

LIBRARY
OF THE
UNIVERSITY
OF ILLINOIS

551.05
UNKE
1921-36

MAT.
HIST.

NOV 13 1942

Return this book on or before the **Latest Date** stamped below. A charge is made on all overdue books.

University of Illinois Library

MAR 16 1951

DEC 16 1988

Jan 02 1989

JAN 03 1989

SEP 07 1989

SEP 22 1989

APR 16 1992

APR 23 1992

L161—H41

UNIVERSITY OF ILLINOIS LIBRARY
MAR 29 1921

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., JANUARY, 1921. No. 1

GENERAL SUMMARY.

Extended periods of unseasonable warmth and the absence of any severe temperatures were the special features of the month's weather. Mean temperatures ranging from 4° to 24° above normal were recorded in most of the State during the first decade, from the 19th to 25th, and 28th to 30th. The persistence of spring-like weather caused wheat to begin growing and trees to show indications of budding. The tendency toward growth was checked by the short intervening periods with average temperature a few degrees below normal and minimum temperatures below freezing. Alternate freezing and thawing on a few days near the middle of the month injured wheat to some extent; but in general this crop fared much better than usual in January, and seemed to improve in the southern counties. There was considerable snow protection during the periods 13-15th and 25-27th; and, except on a few days, the lack of snow covering at other times was of little importance because of the moderate temperature.

Rainfall averaged considerably less than normal, some stations reporting only about half the normal amount. It was well distributed through the month, occurring in light to moderate showers and light snowfalls. This precipitation feature was quite important, for the soil needed all the moisture received, on account of the shortage during previous months. There was but little run-off, streams showing practically none of the usual winter fluctuations. Although relatively light in quantity, the frequency of precipitation kept the surface soil wet and prevented much progress with plowing; otherwise conditions were generally favorable for outdoor work. The sleet and ice storm of the 25th caused some damage to trees, and also necessitated increased feeding of stock for a few days.

TEMPERATURE.

The average temperature for the State, 38 stations reporting, was 39.7°, which is 4.5° above normal. Maximum temperatures of 60° or higher, and minimum temperatures above freezing, were registered frequently at most stations in the periods 1st-8th and 20-24th. There were a few days when minimum temperatures ranged between 15° and 20°, but generally they registered only a few degrees below freezing in the cold periods. The extremes for the month were 71° at Beattyville on the 4th, and 12° at Anchorage on the 27th.

PRECIPITATION.

The average precipitation, based on reports from 55 stations, was 3.06 inches, which is 1.33 inches less than normal. Precipitation occurred generally over the State in the periods 1st-2d; 7-8th; 11-15th; 25-26th, and 29th-31st; and in most districts from the 21st to 23d. From one to four inches of snow occurred in the northern and central counties on the 13th-14th, and one to two inches of sleet or snow in the central and southern counties on the 25-26th. The total snowfall for the month ranged between four and ten inches in the east-central counties, and from two to four inches in most other districts. The monthly precipitation ranged between four and five inches in the upper valleys of the Green and Cumberland, and from 2.0 to 3.5 inches in the rest of the State. Amounts at the various stations ranged between 2.00 inches at Carrollton and 4.81 inches at Brownsville. Thunderstorms were reported on the 1st and 29th.

MISCELLANEOUS.

January 25.—Sleet and ice on streets and sidewalks in Louisville caused many accidents, resulting in the death of one person and injuries to several others.

Rivers.—Moderate stages prevailed in the Ohio River, with no important changes. Its tributaries in the state remained at low stages.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.20	30.73	18	29.63	1	7687	10.3	33	w.	1
Cincinnati ..... Ohio	30.20	30.93	18	29.62	1	7012	9.4	29	w.	5
Evansville ..... Ind.	30.21	30.80	18	29.63	1	9126	12.3	33	sw.	1
Lexington ..... Ky.	30.21	30.85	18	29.72	14	11731	15.8	47	sw.	1
Louisville ..... Ky.	30.22	30.86	18	29.68	1	10682	13.6	42	s.	1

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	79	67	65	157.3	308.4	51	8	8
Cincinnati ..... Ohio.	79	63	78	129.2	303.4	43	9	15
Evansville ..... Ind.	77	65	69	126.4	305.9	41	7	11
Lexington ..... Ky.	80	70	.....	111.7	305.9	37	6	14
Louisville ..... Ky.	79	68	72	135.2	305.9	44	7	10

COMPARATIVE DATA FOR JANUARY.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with .01 or more rain.
1889	38.0	+2.8	65	13	3.52	−0.87	..
1890	44.0	+8.8	77	10	6.43	+2.04	..
1891	37.0	+1.8	68	14	5.40	+1.01	..
1892	29.0	−6.2	65	− 6	2.72	−1.67	..
1893	26.0	−9.2	67	−22	2.08	−2.31	..
1894	38.0	+2.8	78	−12	2.91	−1.48	..
1895	30.0	−5.2	78	−16	5.71	+1.32	11
1896	36.1	+0.9	74	− 3	1.25	−3.14	6
1897	32.0	−3.2	75	−16	3.25	−1.14	8
1898	40.4	+5.2	72	− 6	8.76	+4.37	12
1899	31.4	−0.8	68	−18	6.23	+1.84	11
1900	37.2	+2.0	77	− 8	2.80	−1.59	8
1901	36.7	+1.5	75	4	1.85	−2.54	7
1902	33.7	−1.5	70	5	5.14	+0.75	7
1903	34.8	−0.4	82	− 9	2.50	−1.89	9
1904	32.3	−2.9	70	− 9	3.17	−1.22	10
1905	27.5	−7.7	70	−15	2.83	−1.56	11
1906	39.7	+4.5	80	− 9	3.48	−0.91	8
1907	43.2	+8.0	83	−11	8.62	+3.63	14
1908	35.0	−0.2	62	7	2.20	−2.79	8
1909	38.3	+3.1	77	− 8	3.47	−0.92	9
1910	33.8	−1.4	70	−20	4.41	+0.02	10
1911	39.7	+4.5	73	−16	2.88	−1.51	11
1912	25.9	−9.3	61	−20	3.09	−1.30	8
1913	42.5	+7.3	76	13	11.41	+7.02	14
1914	39.4	+4.2	79	5	2.31	−2.08	6
1915	33.0	−2.2	65	0	5.63	+0.64	13
1916	41.2	+6.0	78	− 5	7.27	+2.88	14
1917	35.7	+1.5	74	−17	6.38	+1.99	12
1918	20.6	−14.6	62	−20	5.09	+0.70	14
1919	37.9	+2.7	68	− 1	3.62	−0.77	7
1920	33.4	−1.8	72	− 6	6.75	+2.36	10
1921	39.7	+4.5	71	12	3.06	−1.33	10

Climatological Data for January, 1921.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.						Precipitation in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	17	40.7	+ 6.1	68	22	19	27	32	2.60	−1.86	0.70	3.0	9	15	7	9	ne.	Miss Addie B. Taylor.
Blandville	Ballard	445	39	41.6	+ 7.6	64	22	18	27	27	3.00	−1.63	0.67	4.0	10	8	9	14	sw.	E. W. Horr.
Calhoun	McLean	437	18	39.4	+ 3.1	66	21	20	17†	32	3.87	−1.22	1.17	1.5	8	3	18	10	sw.	W. A. Taylor.
Earlington	Hopkins	420	30	40.6	+ 5.3	67	21	19	10†	33	3.05	−1.43	0.50	4.5	10	12	3	16	s.	Brick Southworth.
Greenville	Muhlenburg	519	4	[c]39.8	.....	68[c]	23	17[c]	12[c]	33[c]	3.28	.....	1.10	.....	9	12[c]	4[c]	12[c]	n.	C. R. Lovell.
Henderson	Henderson	327	12	.....	.....	.....	.....	.....	.....	.....	3.18	−0.55	0.65	2.0	9	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	24	41.4	+ 3.4	70	21	19	27	35	3.61	−1.52	1.04	2.7	12	4	5	22	sw.	W. E. Graves.
Marion	Crittenden	571	22	41.0	+ 5.0	66	21	19	27	26	2.65	−2.15	1.65	.....	4	7	11	13	s.	B. C. Paris.
Mayfield	Graves	364	10	[a]42.4	+ 6.8	67[a]	22	18[a]	15	29[a]	3.32	−0.65	1.55	.....	11	13[e]	5[e]	10[e]	sw.	N. E. Douthit.
Owensboro	Daviess	479	24	40.8	+ 5.3	62	5	20	17†	29	2.37	−2.14	0.80	2.0	11	8	11	12	nw.	Henry S. Berry
Paducah (Lone Oak)	McCracken	516	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Paducah	McCracken	341	32	.....	.....	.....	.....	.....	.....	.....	3.04	−1.59	0.59	3.0	11	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	10	41.4	+ 6.0	69	21	19	27	35	3.42	−0.73	0.86	3.0	14	5	15	11	s.	Dr. W. L. Cash.
Russellville	Logan	590	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Wm. A. Shelton.
Central Division.																			
Alpha	Clinton	811	26	.....	.....	.....	.....	.....	.....	.....	2.55	−2.30	1.10	.....	5	4	16	11	sw.	Frank Hicks.
Anchorage	Jefferson	700	20	36.4	+ 3.4	64	22	12	27	33	2.62	−1.46	0.67	7.4	8	15	2	14	sw.	C. E. Barret.
Bardstown	Nelson	637	24	39.5	+ 3.6	65	22	18	27	30	3.56	−1.27	0.87	4.5	11	13	4	14	n.	Chas. M. Talbott.
Bowling Green	Warren	500	30	42.6	+ 6.0	70	21	22	15	32	2.86	−1.78	0.95	4.0	6	15	5	11	w.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	3	.....	.....	.....	.....	.....	.....	.....	4.81	.....	1.03	6.0	11	.....	.....	.....	.....	James H. Young.
Burnside	Pulaski	773	28	.....	.....	.....	.....	.....	.....	.....	3.43	−1.12	1.26	1.0	12	.....	.....	.....	.....	F. E. Bradshaw.
Camp Knox	Hardin	736	0	38.2	.....	63	21†	18	27	29	3.07	.....	0.69	.....	13	7	9	15	.....	Signal Corps, U. S. A.
Carrollton (Lock No. 1)	Carroll	492	21	.....	.....	.....	.....	.....	.....	.....	2.00	−1.64	0.56	.....	10	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	7	.....	.....	.....	.....	.....	.....	.....	2.90	.....	0.73	2.9	11	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	26	39.8	+ 4.9	65	4†	16	16	41	2.49	−1.48	0.82	3.7	8	3	11	17	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	27	38.8	+ 2.6	64	1†	15	28	31	2.81	−1.32	0.70	6.0	11	12	2	17	s.	Mrs. Amelia Wood
Franklin	Simpson	691	25	43.5	+ 5.9	70	4†	19	27	32	3.19	−0.41	1.00	2.5	9	16	1	14	n.	B. V. Hunt.
Greensburg	Green	581	28	39.6	+ 5.4	66	1†	14	16	37	4.05	−0.46	0.80	5.5	15	21	5	5	ne.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	18	.....	.....	.....	.....	.....	.....	.....	3.31	−0.93	0.90	6.0	9	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	23	39.6	+ 3.4	64	21	19	17	25	2.55	−1.87	1.08	1.0	7	12	2	17	sw.	W. J. Piggott.
Junction City	Boyle	985	27	39.4	+ 4.8	66	21†	14	16	37	3.82	−0.60	0.95	8.0	12	4	10	17	s.	Prof. E. L. Grubbs.
Leitchfield	Grayson	635	25	39.4	+ 4.3	68	21	19	27	26	3.26	−1.26	1.00	3.0	7	9	10	12	sw.	John E. Stone.
Lexington	Fayette	989	33	37.4	+ 4.4	62	1	16	17	25	3.24	−0.59	0.94	9.8	13	9	5	17	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	48	39.2	+ 4.9	63	21	18	17	21	2.20	−1.70	0.67	3.9	10	10	6	15	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	11	39.0	+ 4.4	63	1†	17	17	26	2.57	−2.21	0.55	3.5	9	13	4	14	s.	Wm. I. Hunt.
St. John	Hardin	777	24	38.2	+ 4.1	65	21	18	28	30	3.29	−1.28	0.92	7.0	9	19	1	11	.....	Sisters of Loretto.
Scott ¶	Kenton	900	23	36.3	+ 3.2	63	1	14	17	27	2.03	−2.06	0.67	2.1	12	5	10	16	s.	E. B. Wilson.
Shelbyville	Shelby	825	31	36.8	+ 3.5	65	21	13	27	35	2.73	−1.53	0.64	3.2	13	16	6	9	s.	F. A. Miller.
Taylorsville	Spencer	489	18	37.3	+ 2.2	65	21	17	27†	33	2.89	−1.80	0.63	5.0	13	9	6	16	sw.	E. D. Bourne.
Williamstown	Grant	943	18	[f]38.9	+ 6.2	69[f]	25	15[g]	17	30[g]	2.31	−1.56	0.45	3.0	16	11	7	13	.....	Mrs. E. S. Humlong.
Woodbury	Butler	533	3	.....	.....	.....	.....	.....	.....	.....	4.49	.....	1.10	3.2	10	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																			
Ages	Harlan	1256	0	39.8	.....	64	2	22	16	28	2.81	.....	0.63	T.	12	14	1	16	.....	S. A. Driver.
Ashland	Boyd	534	3	39.8	.....	68	3	17	13	37	2.57	.....	0.78	1.5	9	7	3	21	sw.	Forester Farley.
Beattyville	Lee	650	16	39.6	+ 5.6	71	4	16	16†	42	3.34	−1.32	1.20	5.3	10	5	9	17	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	40.6	+ 3.3	68	21	19	10†	37	2.67	−1.86	0.74	4.5	9	12	4	15	sw.	Prof. Chas. D. Lewis.
Cynthiana	Harrison	684	3	.....	.....	.....	.....	.....	.....	.....	2.50	.....	1.05	7.0	6	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	32	.....	.....	.....	.....	.....	.....	.....	2.48	−1.22	0.65	3.0	10	11	6	14	s.	J. V. Oldham.
Farmers	Rowan	668	13	.....	.....	.....	.....	.....	.....	.....	2.08	−1.68	0.50	4.5	9	.....	.....	.....	.....	.....
Jackson	Breathitt	776	9	.....	.....	.....	.....	.....	.....	.....	4.08	.....	0.60	2.5	12	.....	.....	.....	.....	Nick Kelly.
London	Laurel	1190	6	.....	.....	.....	.....	.....	.....	.....	2.24	−1.36	0.70	.....	10	.....	.....	.....	.....	C. R. Lee.
Louisa	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	3.08	−1.08	0.90	4.5	10	15	4	12	w.	T. D. Snyder.
Maysville	Mason	524	23	37.6	+ 4.5	64	22	18	13†	31	4.52	−0.16	1.16	.....	12	19	3	9	.....	Harry M. Robinson.
Middlesboro	Bell	1128	23	40.6	+ 2.8	66	1	22	6†	35	2.68	−2.04	0.67	5.0	12	7	10	14	w.	B. H. Perkins.
Mount Sterling	Montgomery	930	31	38.2	+ 4.6	65	1†	15	16	32	3.19	.....	1.11	1.0	8	.....	.....	.....	.....	W. R. McKee.
Oliver	Greenup	540	1	.....	.....	.....	.....	.....	.....	.....	3.00	−1.04	0.62	5.0	10	.....	.....	.....	.....	W. C. Hash.
Pikeville	Pike	634	15	.....	.....	.....	.....	.....	.....	.....	2.82	−1.25[b]	0.50	3.0	10	13	2	16	.....	I. M. Williams.
Richmond	Madison	926	26	40.4	+ 6.1	65	4†	19	16†	33	3.66	.....	1.22	6.5	8	.....	.....	.....	.....	J. W. Crooke.
Vanceburg	Lewis	525	4	.....	.....	.....	.....	.....	.....	.....	4.31	+0.28	1.24	7.0	12	7	13	11	se.	Samuel Johnson.
Williamsburg	Whitley	939	23	41.8	+ 3.2	70	1†	19	11	40	3.06	.....	1.65	4.0	10	10	7	14	sw.	D. B. Bradley.
State averages and extremes		.....	.....	39.7	.....	71	4	12	27	42										

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries.
T Precipitation is less than 0.01 inch rain or melted snow.
¶ Post-office address, Covington, Ky.

551.05
UNKE
1921-36

Daily Precipitation for January, 1921.

Stations.	Day of month.																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam.....G.	.30							.35			.10	.05	.55										.20		.70	.10			.25			2.60
Blandville.....M.	.25						.03	.48			.15		.41	T.								.15		.06	.67	.14			.66			3.00
Calhoun.....G.	.49						T.	.36			.20		.32								T.		.30	T.	1.17				.52	.51		3.87
Earlington.....G.	.03							.67				T.	T.	.62	.08								.10		.90	.30	.05		.10	.30		3.05
Greenville.....G.	.32							.38			.04		.42										.44		1.10	.02			.21	.35		3.28
Henderson‖.....O.	.10	.50	T.					.30			.10			.25								T.			.50	.33			.45	.65		3.18
Hopkinsville.....C.	.16	T.						.47			.09	.01	.82	.04	.01								.13		1.04	.01			.66	.17		3.61
Marion.....O.	.30							.28			T.	T.		T.							T.			T.	1.65	T.			.42			2.65
Mayfield.....M.	.10							.50			.06	.10	.25	.02	.01								.01	.22	.50				1.55			3.32
Owensboro.....O.	.35						.20	.04			.10	.02	.24	T.							T.	.04	.06		.80	T.			.28	.24		2.37
Paducah ‖.....O.		.46						.48			.10	.12		.50									.24		.12	.42	.04		.22	.34		3.04
Princeton.....G.	.40						.02	.51			.11	.05	.56	.01	.01						T.	T.	.20	T.	.86	.04			.57	.07	.01	3.42
Russellville‖.....G.																																
Central Division.																																
Alpha.....C.	.20							.45	T.				1.10										T.		.45	.35		T.	T.			2.55
Anchorage.....O.	.42						.27				.11	.02	.67	T.	T.						T.				.63	T.			.26	.24		2.62
Bardstown.....S.		.32						.63			.06	.12	.79	.05	.01								.08		.87				.25	.38		3.56
Bowling Green ‖.....G.								.90				T.	.50										.05		.16	.95			.30			2.86
Brownsville ‖.....G.	.02	.68						.80				.06		.97	.10								.08		.21	1.03	T.		.24	.72		4.81
Burnside‖.....C.	.08	.15		T.				.35		T.		.06	T.	1.26	.02	.06							.12			.76	.01			.52	.04	3.43
Camp Knox¶.....O.	T.	.44					.13	.69				.02	.05	.15	T.	T.						.02	T.	.10		.57	.20			.31	.38	.01	3.07
Carrollton ‖ (Lock No. 1).....O.		.23						.56					.21		.28	.07	T.					T.	.07			.14	.01			.36	.07	2.00
Cloverport‖.....O.	T.	.35						.38			T.	.09			.33	.05	T.						.01	.03		.14			.13	.73		2.90
Eubank.....C.	.08	.06						.43				T.			.82	.03								.04			.62			.41		2.49
Frankfort‖.....K.	.03	.26						.70				.16		.67	.02	.01							.04		T.	.55	T.			.35	.02	2.81
Franklin.....G.	.10	.40						.45				.04	.60										.24		1.00				.20		.16	3.19
Greensburg.....G.	.20	.33		.02				.80	.33	.09		.2	.63	.22	.05										.41	.28			.12	.33	.04	4.05
High Bridge‖.....K.		.27						.63				.10	.01	.90	.02	T.							.10			.65				.63		3.31
Irvington.....O.	.33							.35	.17			T.		.36	T.	T.						T.	T.		.15	.11			1.08			2.55
Junction City.....K.	.13	.32	.02					.95				.12	.60	.18	.05										.48	.36			.27	.34		3.82
Leitchfield.....G.	.15							.26			T.	.10	.80	T.	T.							T.	.08		.87				1.00			3.26
Lexington ***.....K.	.24							.31	.41				.05	.94	.01	.02						T.	.02	.02	.41	.01			.68	.12		3.24
LOUISVILLE***.....O.	.29							.67	T.			.09	.09	.40	.02	T.						.02	T.		T.	.26	T.			.22	.14	T.	2.20
Do. (Cherokee Park).....O.	.02	.30						.55				.13	.13		.46							.04	T.				.50				.44		2.57
St. John.....S.	.21							.55			.08	.10	.72		T.								T.	.11		.92				.50	.10		3.29
Scott.....L.	.14						.20	.40			T.	.05	.15	.20	.01							.06	.02				T.			.10	.67	.03	2.03
Shelbyville.....S.							.64	.10			.10	.20	.50	.05	.06							.05	.01			.47	.17			.16	.22		2.73
Taylorsville.....S.	T.	.20					.10	.63			.12	.10	.61	.09	.01							.01	T.			.54	.08			.16	.24		2.89
Williamstown.....L.		.21					.10	.45			.06	.11	.45	.05	.02							.02		.12		.01	.13		.05	.05	.42	.06	2.31
Woodbury ‖.....G.		.60						.56				.10		.97	.02	T.								.11		.13	1.10	T.		.14	.76		4.49
Eastern Division.																																
Ages.....K.		.15						.30	.32	.32		.23	.03	.63	.03											.40	.20		.10	.10			2.81
Ashland ‖.....O.	.25	.05						.70				.08		.08	.04								.09			T.				.39	.19	2.57
Beattyville‖.....K.	.15	.10						.38		.29		.09	T.	1.20	.08	T.							.10			.65				30	T.	3.34
Berea.....K.		.74							.09			.15	.54	.17											.52	.16			.22	.08		2.67
Cynthiana ‖.....L.						T.	T.	.85			T.	.10		1.05	T.						T.		T.	T.		.20	T.			.20	.10	2.50
Falmouth‖.....L.		.18						.56			T.	.13		.65	.02	T.							.05	.17		.18				.39	.15	2.48
Farmers ‖.....L.																																
Jackson‖.....K.		.15					.17	.40	.01	.20			T.	.01	.39	T.							T.			.50				.25	T.	2.08
London‖.....C.								.32	.10	.55	.24	.20		.50		.48							.28			.50	.21			.60	.10	4.08
Louisa‖.....B.		.08	.36							.25		.03		.70		.06						.03				.36				.29	.08	2.24
Maysville‖.....O.	.13							.90			1	.03		.90	.05							T.	.05	.16		.15				.43	.28	3.08
Middlesboro.....C.		.13						.42	.82	.28				1.16	.06										.30	.52	.36		.15	.28		4.52
Mount Sterling.....L.		.39					.67	.36	T.		T.	.06	.16	.32	T	.03					T.		.02		.03	.09			.08	.43		2.68
Oliver ‖.....O.	.49							1.11				.07	.04	.86	T								.09							.35	.18	3.19
Pikeville‖.....B.		.18						.52	.42	.24		.08	T.	.62	T.								.08			.36				.38	.12	3.00
Richmond.....K.	.18						T.	.48				.07	.50	.40	.05							T.			.35	.30			.10	.39		2.82
Vanceburg‖.....K.	.48							1.22				.15	.20	.65												.10					.86	3.66
Williamsburg‖.....C.		.09			T.			.39	.09	.82		T.	.05	1.24	.06	.02							.06			.80	.39			.30	T.	4.31

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland, (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Precipitation for 24 hours ending at 3 p. m.

BINDING DEPT. NOV 4

Daily Temperatures for January, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	60	55	62	57	58	55	60	60	43	51	45	38	32	40	34	50	47	40	52	59	67	68	63	57	47	32	37	47	48	50	40	50.1
	Minimum	50	30	36	24	37	23	44	37	29	21	31	28	24	30	28	25	21	36	37	59	67	64	58	49	44	35	40	49	53	53	40	49.5
Blandville	Maximum	63	52	56	61	54	57	63	61	44	49	41	40	34	36	33	51	37	36	57	59	67	64	58	49	44	35	40	49	53	53	40	49.5
	Minimum	46	33	35	43	37	32	49	34	32	35	24	26	25	28	19	28	23	26	42	42	36	51	59	66	65	60	52	48	32	37	44	49
Calhoun	Maximum	62	53	57	62	58	52	59	59	43	47	45	38	33	34	32	42	42	36	51	59	66	65	60	52	48	32	37	44	49	50	39	50.3
	Minimum	30	30	27	32	34	25	42	35	29	21	32	27	23	29	22	25	20	23	31	39	42	42	38	30	31	26	19	24	39	38	34	31.5
Earlington	Maximum	62	52	58	62	53	53	61	59	40	49	39	39	35	35	35	34	35	36	52	59	67	64	60	50	46	38	31	26	19	24	39	38	34	°49.5
	Minimum	48	29	28	35	33	25	50	32	28	19	33	25	24	29	22	20	22	24	33	40	50	46	44	33	63	64	68	58	49	33	37	48	51	50	42	°29.7
Greenville	Maximum	62	55	60	65	55	56	62	58	42	46	46	39	34	33	33	50	44	..	..	..	31	44	41	31	31	24	18	23	34	39	33	63	61.7
	Minimum	42	20	27	37	34	24	46	36	31	19	31	17	17	28	21	24	20	..	..	..	31	44	41	31	31	24	18	23	34	39	33	40	38	31.0
Hopkinsville	Maximum	61	56	63	59	66	56	64	62	44	48	42	41	34	37	35	51	47	36	56	63	70	68	64	53	50	36	44	49	52	53	40	38	49.0
	Minimum	30	29	28	38	34	23	43	37	29	28	31	27	23	29	20	24	21	24	31	33	41	42	46	35	32	25	19	24	36	40	41	38	33.0
Marion	Maximum	61	53	50	61	58	58	60	60	43	49	41	39	33	34	32	49	40	34	55	49	66	61	65	67	62	52	48	49	51	51	55	50	..	°53.1
	Minimum	48	32	38	38	37	34	50	34	30	23	32	25	23	28	20	26	20	23	33	40	50	47	38	38	31	24	19	29	41	38	33	35	30	..	°31.7
Mayfield	Maximum	60	61	65	59	66	66	62	63	45	51	43	41	34	35	35	51	48	36	60	61	65	67	62	52	48	49	51	51	55	50	..	51	37	49.3
	Minimum	32	34	40	37	39	38	36	34	33	25	38	27	25	29	18	26	23	26	35	35	37	42	45	35	19	53	48	31	37	46	49	51	37	36	35	32.2
Owensboro	Maximum	61	51	58	61	62	61	59	59	44	49	39	40	34	34	32	50	42	50	52	58	59	61	59	53	48	31	31	25	20	27	36	37	35	.....
	Minimum	45	31	36	32	36	42	47	35	32	23	34	26	23	29	22	28	20	24	31	39	39	45	37	31	31	25	20	27	36	37	35	.....
Paducah (Lone Oak)	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	62	56	61	65	55	59	61	61	46	52	40	39	34	36	34	52	39	36	58	62	69	60	52	45	35	45	51	52	54	41	50.9
	Minimum	52	27	27	32	35	24	45	36	30	20	32	28	24	29	21	25	23	25	33	36	48	42	42	37	33	27	19	25	38	41	34	31.9
Russellville§§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Central Division.																																	
Alpha	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Anchorage	Maximum	63	50	56	62	51	53	56	56	40	47	36	35	33	35	30	46	35	34	44	56	63	64	56	53	35	30	41	46	47	48	36	46.4
	Minimum	46	30	30	22	26	20	38	27	26	17	26	19	17	28	16	16	16	20	24	34	38	46	31	24	24	22	12	18	30	35	30	30	26.4
Bardstown	Maximum	63	55	58	64	55	53	60	60	39	45	38	38	34	37	32	49	42	35	48	58	62	65	61	51	44	32	39	43	50	51	51	48.8
	Minimum	50	35	28	35	37	23	35	37	30	20	28	25	20	30	24	21	19	21	26	39	46	45	39	25	32	23	18	20	34	37	34	34	30.2
Bowling Green	Maximum	65	64	62	61	67	57	60	61	43	48	41	40	38	36	35	51	45	40	55	60	70	66	62	60	57	50	49	50	52	53	50	53.1
	Minimum	43	32	33	31	36	26	41	41	33	23	31	30	27	25	22	24	23	24	28	39	41	43	38	33	30	30	26	30	32	40	41	39	32.1
Camp Knox	Maximum	61	50	59	61	48	52	55	54	39	50	36	36	36	36	30	45	30	36	46	57	63	63	55	52	34	27	36	41	48	50	37	47	45.9
	Minimum	46	34	30	39	32	28	45	36	30	25	32	21	21	28	21	25	21	23	28	39	46	46	32	28	25	23	18	23	36	36	32	30.6
Eubank	Maximum	64	61	58	65	59	50	61	59	40	46	39	36	33	39	30	57	45	37	50	58	65	64	58	53	43	32	39	50	50	52	40	49.5
	Minimum	46	33	30	37	37	22	40	39	30	20	23	27	20	30	22	16	20	22	25	35	40	46	43	24	28	25	24	22	40	50	33	30	30.0
Frankfort	Maximum	64	63	54	62	58	50	57	58	43	44	43	38	33	36	33	48	43	32	45	55	62	64	62	49	47	32	41	46	45	51	40	48.5
	Minimum	48	35	26	31	39	24	36	38	30	21	27	27	19	31	24	21	19	22	24	35	37	43	40	27	25	23	17	15	30	38	33	33	29.2
Franklin	Maximum	63	64	64	70	64	56	65	65	45	50	45	43	36	39	36	52	49	38	52	61	70	68	65	58	53	45	33	26	19	27	41	44	53	53.6
	Minimum	50	34	32	43	38	29	45	40	32	23	32	28	25	25	21	26	23	25	31	35	43	48	48	35	33	26	19	27	41	44	35	33.4
Greensburg	Maximum	66	62	60	59	59	53	61	61	42	44	42	38	34	36	33	51	44	38	53	57	66	65	61	53	45	33	37	52	53	54	42	50.1
	Minimum	50	29	26	30	37	20	39	38	28	17	28	27	21	29	22	14	22	22	24	32	41	34	46	24	28	24	21	22	34	38	33	29.1
Irvington	Maximum	61	50	56	60	54	52	59	55	40	43	39	35	35	36	32	47	39	36	49	56	64	63	57	51	41	30	37	45	50	51	40	47.2
	Minimum	51	30	30	37	37	22	40	39	30	20	23	27	20	30	22	16	20	22	25	35	40	47	47	42	29	29	24	20	25	33	40	33	32.0
Junction City	Maximum	65	62	59	65	60	51	60	60	40	45	44	43	38	32	28	51	43	37	47	58	66	66	60	52	40	34	39	45	52	53	40	49.7
	Minimum	46	30	27	35	37	22	38	37	29	24	22	27	20	30	23	14	19	22	27	32	44	48	42	23	25	21	24	18	34	39	32	29.2
Leitchfield	Maximum	59	53	55	61	54	50	58	58	41	41	40	36	33	33	31	47	40	36	49	55	68	61	58	50	49	31	35	44	58	51	28	47.5
	Minimum	50	31	29	36	38	24	43	38	31	21	32	27	22	29	23	24	20	23	27	37	45	41	42	29	30	23	19	26	36	37	34	31.2
Lexington	Maximum	62	45	55	61	50	50	58	56	36	43	37	34	35	36	28	45	27	32	45	55	66	61	52	46	29	28	38	45	48	50	34	30	30.1
	Minimum	40	35	37	42	33	32	44	34	30	25	33	16	16	28	20	22	16	21	20	38	45	48	38	29	22	21	17	27	39	36	22	32	45.9
Louisville	Maximum	43	27	25	32	32	32	33	33	24	16	26	17	14	14	14	17	14	14	17	26	34	38	39	30	26	21	18	13	15	31	33	28	52.6
	Minimum	62	49	56	59	50	52	58	48	39	47	38	37	35	35	31	48	28	35	46	55	63	62	55	49	35	30	40	44	50	50	36	32	47.5
Do. (Cherokee Park)	Maximum	44	36	35	46	39	32	44	36	30	28	33	22	20	25	23	28	18	24	27	42	48	50	38	35	25	24	21	27	39	38	43	47	50	38	47.5
	Minimum	43	36	35	46	39	32	44	36	30	28	33	22	20	25	23	28	18	24	27	42	48	50	38	35	25	24	21	21	39	38	43	47	50	38	47.5
St. John	Maximum	63	61	54	60	58	51	56	57	44	44	43	38	32	35	32	47	43	33	45	55	63	62	60	48	42	29	30	23	25	21	24	34	37	33	30.5
	Minimum	48	35	29	36	38	27	41	36	27	22	31	27	19	30	23	22	17	21	26	39	45	50	36	28	25	23	19	21	34	37	33	32	32	32	30.5
Scott	Maximum	61	52	54	62	55	51	58	58	37	47	36	36	33	36	31	47	36	34	49	56	65	64	55	52	39	35	44	49	52	42	47.3
	Minimum	32	31	27	32	34	24	41	34	29	20	29	25	20	29	21	21	19	22	27	39	45	46	36	28	25	23	19	18	35	36	32	29.0
Shelbyville	Maximum	63	60	55	59	55	49	52	56	38	46	40	35	24	34	27	45	38	32	35	52	54	58	54	49	35	30	39	43	45	50	35	44.7
	Minimum	46	33	31	38	36	23	38	34	25	19	30	20	15	24	21	18	14	18	20	34	42	49	32	26	23	21	16	20	34	35	29	27.9
Taylorsville	Maximum	62	60	60	60	52	53	60	60	43	49	38	38	35	41	33	47	40	35	45	57	65	63	58	56	48	32	43	44	46	48	38	48.4
	Minimum	43	27	25	32	32	21	33	33	24	16	26	15	12	20	17	14	14	14	17	26	34	38	39	30	26	21	18	13	15	31	33	28	25.2
Williamstown	Maximum	62	60	54	61	54	50	58	42	43	36	36	32	35	32	48	41	33	45	55	65	64	61	48	42	26	39	43	48	50	38	47.1
	Minimum	46	30	25	28	37	21	33	37	27	19	26	26	19	29	23	19	18	21	25	32	36	37	38	23	25	22	17	17	28	36	32	32	32	32	27.5
	Maximum	61	61	53	60	56	50	53	57	44	39	36	35	32	48	41	33	45	55	65	64	61	48	42	26	39	43	48	50	38	35	22	17	17	28	36	32	32	32	32

UNIVERSITY OF ILLINOIS LIBRARY

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., FEBRUARY, 1921. No. 2

GENERAL SUMMARY.

Unseasonably warm weather prevailed from the 3d to 17th, mean daily temperatures ranging from 10° to 28° above normal on many days during this period. Wheat and grass made considerable growth; blossoms appeared on maple trees and some early plants; plum and peach buds advanced to such a stage of development as to alarm fruit growers; and vegetation generally seemed to indicate that spring was at hand. Growth was checked by a change to colder on the 18th, followed by heavy snow on the 19-20th, with temperatures below normal on most days during the remainder of the month. This period of cold weather was undoubtedly of great benefit in stopping the untimely plant development, particularly in preventing the premature blossoming of fruit trees. On account of the fact that wheat had been sown late in order to avoid fly damage, it had not advanced to a stage where freezing weather would cause serious injury; nevertheless this cold spell was beneficial in retarding its growth and returning it to the dormant condition. Several hard freezes occurred in the period, 18th-21st, but winter grains were protected by snow on the 20th and 21st. Freezes in the period 23d-25th came without much snow covering, but seem to have caused little damage to wheat because of its vigorous condition. Some plowing and sowing oats was accomplished in the southern counties during the first week, but the soil was generally too wet to be worked during the remainder of the month.

Precipitation averaged only slightly less than the normal amount, and was well distributed through the month. A large part of the rainfall and most of the water from the melting snow was absorbed by the soil, overcoming the long continued deficiency in sub-soil moisture.

TEMPERATURE.

The average temperature for the month, 38 stations reporting, was 41.3°, which is 5.7° above normal. Minimum temperatures a few degrees below freezing were registered from the 1st to 4th, and ranging between 11° and 25° in the period 18-25th. Maximum temperatures ranging from 50° to 70° occurred generally from the 6th to 17th. Extremes at the various stations were 77° at Princeton and Hopkinsville on the 14th; and 11° at Taylorsville on the 21st, and at Calhoun and Owensboro on the 25th.

PRECIPITATION.

The average precipitation, based on reports from 57 stations, was 3.20 inches, which is 0.40 inches below normal. There were few days on which precipitation did not occur in some part of the State. The principal periods were: 5-12th, moderate to heavy rains; 19-20th, heavy snow; and 23d-27th, light scattered showers. Precipitation was heaviest in the extreme western counties, ranging between 4.0 and 5.0 inches; and lightest in the northeastern counties where it ranged from 2.2 to 3.0 inches. The remainder of the State received 3.0 to 4.0 inches. Snowfall averaged 8.9 inches, nearly all of it occurring in one storm on the 19-20th. In a broad belt from east to west across the State the depth ranged from 10 to 14 inches, diminishing to the northward and southward of this district. Precipitation amounts at the various stations varied between 1.83 inches at Cloverport and 5.20 inches at Brownsville.

MISCELLANEOUS.

Rivers.—A rise to moderate stages, caused by rain and melting snow in the upper basin, occurred in the Ohio River from the 8th to 14th. Green River was near flood stage in the upper reaches on the 12th, and in the lower section from the 14th to 16th; but other tributary streams in this State showed no changes of special importance.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.08	30.57	18	29.54	5	7104	10.6	45	ne.	19
Cincinnati ..... Ohio	30.10	30.64	18	29.52	10	5851	8.7	34	sw.	16
Evansville..... Ind.	30.10	30.62	18	29.59	5	8138	12.1	40	sw.	16
Lexington .....Ky.	30.10	30.62	18	29.52	10	9732	14.5	56	sw.	16
Louisville .....Ky.	30.11	30.64	18	29.52	10	8633	12.8	44	sw.	16

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less
Cairo ..... Ill.	82	68	66	151.8	308.5	50	10	10
Cincinnati ..... Ohio.	82	70	80	109.6	300.9	36	4	11
Evansville..... Ind.	79	68	69	128.2	302.2	42	9	12
Lexington ..... Ky.	85	75	.....	91.0	302.2	30	4	14
Louisville ..... Ky.	82	72	74	130.3	302.2	43	10	6

COMPARATIVE DATA FOR FEBRUARY.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with .01 or more rain
1889	34.1	− 1.5	74	3	1.91	−1.69	.
1890	45.6	+10.0	86	16	7.98	+4.38	.
1891	42.2	+ 6.6	76	0	4.72	+1.12	.
1892	42.2	+ 6.6	70	11	2.92	−0.68	.
1893	37.7	+ 2.1	70	3	4.40	+0.80	.
1894	34.6	− 1.0	74	2	4.66	+1.06	.
1895	25.9	− 9.7	80	−18	0.66	−2.94	5
1896	37.4	+ 1.8	81	−12	3.06	−0.54	9
1897	39.8	+ 4.2	76	8	5.75	+2.15	11
1898	37.4	+ 1.8	77	3	1.61	−1.99	6
1899	26.2	− 9.4	71	−33	3.97	+0.37	11
1900	32.5	− 3.1	76	− 9	4.68	+1.08	12
1901	32.4	− 3.2	71	1	1.27	−2.33	6
1902	27.9	− 7.7	69	− 3	1.30	−2.30	7
1903	35.5	− 1.9	75	−16	2.28	+2.68	7
1904	35.2	− 0.4	75	2	2.32	−1.28	7
1905	27.9	− 7.7	67	−16	2.44	−1.16	9
1906	34.7	− 0.9	75	−12	1.81	−1.79	7
1907	35.7	+ 0.1	73	−10	3.66	+ 0.54	9
1908	35.6	0.0	70	2	5.56	+1.96	13
1909	42.4	+ 6.8	75	− 8	8.17	+4.57	11
1910	32.9	− 2.7	66	−12	4.70	+1.10	10
1911	42.0	+ 6.4	80	11	3.25	−0.35	9
1912	29.7	− 5.9	68	−14	3.08	−0.52	7
1913	34.8	− 0.8	77	− 2	2.94	−0.66	7
1914	32.2	− 3.4	69	− 2	4.14	+0.54	11
1915	41.9	+ 6.3	75	13	1.74	−1.86	8
1916	35.0	− 0.6	72	− 4	2.99	−0.61	9
1917	31.8	− 0.8	80	− 9	3.51	−0.09	8
1918	30.3	+ 3.7	83	− 8	2.04	−1.56	7
1919	38.6	+ 3.0	69	12	1.79	−1.81	9
1920	35.7	+ 0.1	71	0	2.27	−1.33	6
1921	41.3	+ 5.7	77	11	3.20	−0.40	10

Climatological Data for February, 1921.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	17	42.5	+ 7.3	75	14	12	25	40	3.75	+0.37	1.00	9.0	11	12	6	10	sw.	Miss Addie B. Taylor
Blandville	Ballard	445	39	42.9	+ 6.1	73	14	18	20	32	4.45	−0.08	1.55	12.0	9	8	6	15	sw.	E. W. Horr.
Calhoun	McLean	437	18	41.1	+ 3.8	74	14	11	25	39	3.84	+0.44	1.20	11.5	11	7	7	14	sw.	W. A. Taylor.
Earlington	Hopkins	420	30	41.8	+ 5.5	72	14†	15	25	32	3.93	+0.33	1.20	13.2	10	9	2	17	s.	Brick Southworth.
Greenville	Muhlenburg	519	4	41.1	.....	74	16	12	22†	34	3.53	.....	0.95	12.0	14	7	4	17	s.	C. R. Lovell.
																				W. W. Shelby.
Henderson	Henderson	327	12								4.19	+1.44	1.25	7.0	8	.....	.....	.....	.....	W. E. Graves.
Hopkinsville	Christian	524	24	43.6	+ 6.6	77	14	16	25	43	3.77	−0.12	1.25	13.2	10	4	4	20	.....	B. C. Paris.
Marion	Crittenden	571	22	42.2	+ 6.5	72	14	19	20	33	4.73	+1.36	1.50	7.4	6	6	13	9	s.	N. E. Douthit.
Mayfield	Graves	364	10	43.0	+ 5.8	74	14	21	21	30	4.31	+0.48	1.00	10.0	11	11	7	10	s.	Henry S. Berry.
Owensboro	Daviess	479	24	41.2	+ 6.5	73	15	11	25	34	3.13	−0.12	0.93	8.0	9	10	2	16	se.	
Paducah(Lone Oak)	McCracken	516	4																	
Paducah	McCracken	341	32								4.32	+0.71	1.40	8.0	8	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	10	42.8	+ 7.6	77	14	17	22	41	3.94	−0.58	0.99	10.0	14	8	5	15	s.	Dr. W. L. Cash.
Russellville	Logan	590	8	40.8	+ 4.2	74c	14	14b	25	40c	2.05	−1.69	0.74	6.5	6	12b	1b	13b	.....	Wm. A. Shelton.
Central Division.																				
Alpha	Clinton	811	26																	Frank Hicks.
Anchorage	Jefferson	700	20	38.4	+ 5.4	72a	14†	15c	24	39a	3.22	−1.28	0.60	7.0	12	6	5	17	sw.	C. E. Barret.
Bardstown	Nelson	637	24	41.6	+ 7.1	73	15	15	24	35	3.02	+0.18	1.21	7.5	8	9a	1a	17a	w.	Chas. M. Talbott.
Bowling Green	Warren	500	30	44.2	+ 6.6	76	14†	18	25	35	3.44	−0.47	1.05	10.0	13	6	7	15	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	3								3.01	−1.66	0.51	11.0	9	8	5	15	w.	James H. Young.
Burnside	Pulaski	773	28								5.20	.....	1.00	15.0	14	.....	.....	.....	.....	F. E. Bradshaw.
Camp Knox	Hardin	736	0	38.3	.....	72	14	18	24	33	3.11	−1.15	0.98	6.5	12	.....	.....	.....	.....	Signal Corps, U. S. A.
Carrollton Lock No.1	Carroll	492	21								2.99	.....	0.91	7.9	15	2	8	18	w.	
Cloverport	Breckenridge	375	7								2.23	−0.65	0.90	.....	11	.....	.....	.....	.....	Charlie Oliver.
Eubank	Pulaski	1177	26	41.4	+ 8.1	72	15	12	25	34	1.83	.....	0.41	7.2	11	.....	.....	.....	.....	W. A. Cockerill.
Frankfort	Franklin	560	27	41.2	+ 6.4	70	15	19	18	35	3.20	−0.89	1.16	14.2	8	3	5	20	sw.	Mrs. Katie Payne.
Franklin	Simpson	691	25	44.8	+ 6.2	76	14†	18	25	37	2.26	−1.30	0.80	8.5	10	9	0	19	s.	Mrs. Amelia Wood
Greensburg	Green	581	28	41.0	+ 7.3	73	15	14	25	40	4.01	−0.88	0.80	10.5	12	9	2	17	n.	B. V. Hunt.
High Bridge	Jessamine	762	18								3.13	−0.89	0.85	11.6	16	4	4	20	n.	Mrs. Bettie K. H. Alcorn.
Irvington	Breckenridge	646	23	40.8	+ 6.5	70	15	20	18†	30	3.34	−0.12	0.90	11.0	14	.....	.....	.....	.....	Miss Lulu Wood.
Junction City	Boyle	985	27	40.6	+ 7.5	72	15	12	21	38	2.61	−0.72	1.08	8.6	6	9	1	18	sw.	W. J. Piggott.
Lettelfield	Grayson	989	33	38.2	+ 2.6	70	15	17	18	28	3.61	−0.02	0.92	9.0	14	6	8	14	sw.	Prof. E. L. Grubbs.
Lexington	Fayette	525	48	40.0	+ 3.4	70	15	20	24	27	3.02	−0.76	1.25	9.5	8	7	7	14	sw.	John E. Stone.
Louisville	Jefferson	534	11	40.0	+ 4.8	70	15	18	18	34	2.62	−0.61	1.13	8.9	14	4	7	17	sw.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	777	24	39.8	+ 6.8	70	14†	16	21†	35	2.65	−1.10	1.03	9.0	9	5	5	18	s.	U. S. Weather Bureau.
St. John	Hardin										2.63	−0.33	1.10	5.2	10	7	6	15	sw.	Wm. I. Hunt.
Scott¶	Kenton	900	23	37.8	+ 7.1	70	15	14	18	37	3.30	−0.68	1.03	11.0	10	12	4	12	.....	Sisters of Loretto.
Shelbyville	Shelby	825	31	38.3	+ 4.5	73	15	14	18†	38	2.21	−0.54	0.65	3.5	10	3	8	17	sw.	E. B. Wilson.
Taylorsville	Spencer	489	18	39.4	+ 5.0	70	15	11	21	37	3.34	−0.44	1.05	8.0	11	8	7	13	w.	F. A. Miller.
Williamstown	Grant	943	18								3.06	−0.71	1.00	9.2	12	7	3	18	s.	E. P. Bourne.
Woodbury	Butler	533	3								3.20	+0.23	0.80	8.0	13	9	3	16	nw.	Mrs. K. S. Hunnlong.
Eastern Division.											3.71	.....	1.02	9.0	13	.....	.....	.....	.....	J. C. Stinson.
Ages	Harlan	1256	0	43.0	.....	69	14‡	23	24	36	3.47	.....	1.35	4.0	8	11	4	13	.....	S. A. Driver.
Ashland	Boyd	534	3	41.4	.....	75	16	19	18	44	2.32	.....	0.80	4.6	10	6	5	17*	w.	Forester Farley.
Beattyville	Lee	650	16	42.4	+ 7.9	73	15	18	18†	43	3.22	+0.88	1.11	10.4	14	10	3	15	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	42.3	+ 6.0	74a	15	17a	25	30a	3.11	0.00	0.75	11.5	9	9a	5a	13a	sw.	Prof. Chas. D. Lewis.
Cynthiana	Harrison	684	3								2.30	.....	0.80	6.0	7	.....	.....	.....	.....	P. B. Kehoe.
Falmouth	Pendleton	600	32								2.32	−1.04	0.82	5.5	11	7	2	19	s.	J. V. Oldham.
Farmers	Rowan	668	13								2.73	−0.27	1.10	11.0	6	9	8	11	se.	Mrs. Alice Phelps.
Jackson	Breathitt	776	9								2.43	−0.87	1.00	7.0	5	.....	.....	.....	.....	Nick Kelly.
London	Laurel	1190	6								2.91	.....	0.95	7.0	12	.....	.....	.....	.....	C. R. Lee.
Louisa	Lawrence	594	15								2.24	−1.44	0.84	.....	8	.....	.....	.....	.....	T. D. Snyder.
Maysville	Mason	524	23	39.4	+ 6.4	70	15	18	18	36	2.65	−0.68	0.75	7.0	11	7	5	16	w.	Harry M. Robinson.
Middlesboro	Bell	1128	23	44.4	+ 5.5	71	14†	21	24	40	4.17	−0.75	1.30	6.0	14	12	11	5	.....	B. H. Perkins.
Mount Sterling	Montgomery	939	31	39.7	+ 6.3	71	15†	16	18	37	3.55	−0.44	1.15	10.0	12	10	2	16	w.	W. R. McKee.
Oliver	Greenup	540	1								2.74	.....	0.85	9.0	9	.....	.....	.....	.....	W. C. Hash.
Pikeville	Pike	634	15								3.40	+0.12	1.12	13.0	9	.....	.....	.....	.....	I. M. Williams.
Richmond	Madison	926	26	42.0	+ 6.7	73	15	18	18	32	2.73	−0.71	0.70	9.0	10	7	6	15	.....	J. W. Crooke.
Vanceburg	Lewis	525	4								3.08	.....	1.00	11.0	6	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	939	23	45.2	+ 7.7	76	15	20	24	39	3.32	−0.17	1.20	3.8	14	8	10	10	w.	D. B. Bradley.
State averages and extremes				41.3	+ 5.7	77	14	11	25	44	3.20	−0.40	1.55	8.9	10	8	5	15	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing: for example, b represents two days, etc.
† Also on other dates. ‡‡ Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.
¶ Post office address, Covington, Ky.

Daily Precipitation for February, 1921.

Stations.	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam ..... G	.40				.30		.12		.18	1.00	.08					.17			.90			.15		.05			.40				3.75
Blandville ..... M				.02	.47		1.55	T.		.68	.02					.32			1.50			T.	.68	T.		.01					4.46
Calhoun ..... G	T.			.04	.27		.85	T.	T.	.94	.03	.04				.12			1.20					.13		.01	.21				3.81
Earlington ..... G					.18		.75	.07		1.20		.04				.18			.41	.72					.23		.15					3.96
Greenville ..... G					.35		.18	.02	.15	.95	.10	.07				.34			.80	.05				.04	.18	.02	.28					3.05
Henderson ‖ ..... O					1.20		1.25		.02	T.	.94	.08							.20	.40						.10	T.					4.19
Hopkinsville C					.55		.48	T.	.09	.99	.07	.05							1.25	T.			.03	.63			.23					3.77
Marion ..... O				T.	.87		1.50			1.28	T.					.15			.70					.23				T.			4.73
Mayfield ..... M				.01	.20		1.00		.50	.30	.20	.10							1.00				.50	.10		.40					4.31
Owensboro ..... O	T.			.02	.90		.40	T.		.93	T.	.06				.02			.60	.10				.10		T.					3.13
Paducah ‖ ..... O					.44		1.40	.34		T.	.90	.06							.30	.70			T.				.18					4.32
Princeton ..... G		T.		.01	.40		.94	.01	.01	.99	.10	.02				.07			.90				.11	.04	T.	.30	.04	T.				3.93
Russellville ‖ ..... G									.26	.23	.74	.07								.65					.10							2.65
Central Division.																																
Alpha C	T.	T.		*	.25		.11	.07	.38	.56		.04	T.					.36	*	.60		.10		.19	.10			.46				3.22
Anchorage ..... O					.26		.21	T.	.11	1.21	T					.22			.65	.04						.32						3.62
Bardstown ..... S					.40		.23		.04	.93	.03	.04					.15		1.05	.25			.12		.02	.02	.16					3.44
Bowling Green ‖ ..... G	T.				.05		.50		.50	.51		.10							.30	.50				.30			.25					3.01
Brownsville ‖ ..... G		.11			.60	.07		.20	.45	.17	.78	.04					.15		.40	1.00			.50		.10		.63					5.20
Burnside ‖ C	T.	.01			.32	T.		.17	.48	.38	.08	T	T.				.28			.98		.13	.12		.04		.12					3.11
Camp Knox* ..... O		.01		T.	.21	.06	.12	.03		.91	.41	.08					.08		.42	.25			T	.02	.03	.01	.35					2.99
Carrollton ‖ ‖ (Lock No. 1) ..... O		.02			.33	.12	.02		.04		.90	.04					.15			.24			.15				.22					2.23
Cloverport ‖ ..... O					.38	.03	.10	.14	T.		.41	.02					.05		.15	.41					.10	T.	.04					1.83
Eubank C					.47	.10			1.16	.20	.17									1.00		.02			.08							3.20
Frankfort ‖ ..... K		T.			.26	T.		.11	.12		.80	.02					.07		.04	.68		T.	.11	T.			.05					2.26
Franklin ..... G	T.				.65		.18	.08	.65	.80		.02				.02	.01		.40	.65			.12				.43					4.01
Greensburg ..... G	T.	.01			.53		.10	.01	.85	.40	.05	.09				T.			.35	.23	T.		.09	.03	.07	.01	.30	.01				3.13
High Bridge ‖ ..... K					.47	.04		.06	.88	.05	.32	.06	.01				.06		.20	.90		.04	.10				.15					3.34
Irvington ..... O		T.		T.	.25		.20	T.		1.08	T.	T.				.18			.80	T.				T.		.10					2.61
Junction City ..... K		.02			.57		.09	.02	.92	.20	.10	.16				.01	.10		.60	.20	.10		T.			T.	.52	T.				3.61
Leitchfield ..... G					.38		.18			1.25		.05				.09			.80		.15					T.		.12				3.02
Lexington *** ..... K	.02	T.			.46		.07	.22	.07	.35	.01	.02				.04			1.13		.04		.04			.13	.02					2.62
LOUISVILLE*** ..... O	T.	T.		.01	.30		.20	.02		1.03	T.	.02				.06			.90		T.	T.	T.			.11						2.65
Do. (Cherokee Park) ..... O				T.	.36		.20	.02	.07		1.10	.05				.16				.45						.14	.08					2.63
St. John ..... S				T.	.42		.12	.05	.02	1.03	.03	T.				.15			1.00				T.	.30		T.	.18					3.30
Scott L				T.	.57		.63	.02		.65	.19					.14			.10	.05						.24	.22					2.21
Shelbyville ..... S		.01			.29		.10		.20	1.05	.28	.03				.10	.03		.95	T.						.30						3.34
Taylorsville ..... S		T.		T.	.29		.10		.09	.85	.12	.04				T.	.04		1.00	.20	T.		.10			.19	.04					3.06
Williamstown L					.25		.01		.20	.80	.24						.12		.70	.10		.30	.10		.20	.13	.05					3.20
Woodbury ‖ ..... G					.62	.03		.23	.19	.12	1.02	.09					.09		.35	.45			.05	.10			.37					3.71
Eastern Division.																																
Ages ..... K	T.	.06			.19		.31		.90	.40	T.	.06							T.	1.35	T		.20		T.		T.					3.47
Ashland ‖ ..... O		T.			.01	.25		.01	.80		.34					T	.09		.02	.68		.07	.05									2.32
Beattyville ‖ ..... K		.03			.30	.08		.14	.75	.12	.32	.05	T.				.03		T.	1.11	.08	.14		.02			.05					3.22
Berea ..... K	.08				.55		.05		.66	.35	.05	T.				T.			.75	.46	.16					T.						3.11
Cynthiana ‖ L		T.		T.	.40	T		T.	.10	.20	.80	T.						T.	.10	.50							.20					2.30
Falmouth ‖ L					.22	.05		.03	.37		.82	.04					.05		.05	.34						.25	.10					2.32
Farmers ‖ L		T.			T.	T.	.05			.83	T.	.29	T.					.26		1.10			T.				.20	T.				2.73
Jackson ‖ ..... K		T.	T.		T.	.30		1.00	T.	T.	.20	T.	T.				.08			.85		T.	T.	T.			T.					2.43
London ‖ C		.10	.15		.12			.30	.50	.25	.10	.02	.09							.95			.28		.05							2.91
Louisa ..... B		.07			.34			.11	.45		.24	.03								.84		.16										2.24
Maysville ‖ ..... O	T.			.30	.23		.08	.20		.75	.07						.08		.04	.60		T.	.12				.18					2.65
Middlesboro C	.06	.05			.52		.33	.31	.83	.32	.05	.07							.05	1.30	.06		.16		.06							4.17
Mount Sterling L	T.	.02		.58			.04	T.	1.15	.02	.08	.09				T.	.25		.60	.40	.06	T.				T.	.26					3.55
Oliver ‖ ..... O					.15	.32	.48		.39		.34						.05		T.	.85		.07	.09									2.74
Pikeville ‖ ..... B		.12						.12	1.12	.42	.18						.18			.84	T.	.24	.18	T.								3.40
Richmond ..... K	T.	.05			.42		.01		.45	.35	.15	.05							.70	.50	T	.05										2.73
Vanceburg ‖ ..... O		.10			.39		.08		.60		.91									1.00												3.08
Williamsburg ‖ C		.10			.20	.15		.35	.40	.38	.17	.04	.05				T.			1.20	T.	.06	.11		.03		.08					3.32

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

*Precipitation for 24 hours ending at 3 p. m

Daily Temperatures for February, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	36	36	53	54	54	60	58	64	60	47	38	42	68	75	72	71	66	45	30	40	38	51	50	40	46	62	59	50	..	..	..	52.3
	Minimum	32	30	35	36	44	32	50	47	42	36	33	34	33	35	41	50	32	22	25	21	17	19	30	21	12	34	32	34	..	..	..	32.7
Blandville	Maximum	36	39	52	52	53	64	63	56	53	45	42	49	70	73	70	68	54	33	30	35	37	47	42	39	46	64	57	56	..	..	..	51.0
	Minimum	33	31	30	39	43	39	49	45	40	38	34	37	38	50	49	54	33	25	25	18	20	23	30	26	27	39	32	26	..	..	..	34.8
Calhoun	Maximum	36	37	53	52	50	59	59	57	58	46	38	41	69	74	72	71	55	38	30	35	35	50	47	36	43	61	58	54	..	..	..	50.5
	Minimum	31	30	29	35	45	30	44	46	41	36	34	35	34	35	38	51	33	23	25	21	16	16	29	22	11	32	32	34	..	..	..	31.7
Earlington	Maximum	35	38	51	53	53	61	59	61	57	44	39	44	67	72	72	68	58	35	35	36	35	48	49	33	42	62	58	54	..	..	..	50.3
	Minimum	31	31	33	39	44	30	53	46	41	35	32	35	39	40	42	52	35	22	20	21	22	21	30	21	15	38	32	34	..	..	..	33.4
Greenville	Maximum	37	37	51	51	50	59	59	59	50	46	39	42	68	68	72	74	52	37	30	35	36	48	46	35	42	60	60	50	..	..	..	50.1
	Minimum	31	29	29	38	45	30	52	46	40	35	31	34	34	40	45	50	32	22	24	22	20	12	29	20	12	34	31	33	..	..	..	32.1
Hopkinsville	Maximum	39	37	56	56	56	63	60	62	61	49	40	48	73	77	76	69	64	40	36	46	37	54	48	38	48	65	59	60	..	..	..	54.2
	Minimum	32	29	28	32	45	31	43	45	44	36	32	33	33	38	40	56	33	19	25	25	19	31	25	15	18	28	32	33	..	..	..	33.1
Marion	Maximum	42	38	55	56	58	66	64	64	61	53	40	44	69	76	76	71	65	41	39	35	34	54	48	42	45	55	56	54	..	..	..	49.8
	Minimum	31	31	32	38	45	34	51	48	38	36	32	35	38	53	56	55	38	23	27	26	27	24	32	30	18	33	35	34	..	..	..	34.6
Mayfield	Maximum	33	36	28	30	46	38	44	46	40	37	33	35	32	43	41	53	36	23	26	27	24	32	30	45	43	30	27	59	36	52	..	46.3
	Minimum	36	34	50	54	50	52	57	59	52	43	36	43	66	72	70	66	43	30	28	34	30	45	43	30	27	59	36	52	..	..	..	50.3
Mayfield	Maximum	30	28	28	36	27	30	41	43	41	34	32	32	34	39	41	41	25	19	27	21	21	21	21	18	19	34	32	34	..	..	..	50.4
	Minimum	35	33	49	57	52	55	60	61	61	47	44	62	70	72	71	67	39	30	30	30	34	47	46	31	41	55	51	49	..	..	..	52.5
Owensboro	Maximum	31	28	28	32	44	31	42	49	47	42	32	32	30	44	38	50	37	18	25	25	24	31	28	15	12	29	34	33	..	..	..	49.6
	Minimum	36	34	49	57	55	54	58	61	60	50	41	43	60	67	70	68	67	40	32	34	32	47	47	34	39	55	55	43	..	..	..	52.9
Paducah (Lone Oak)	Maximum	42	39	48	60	58	65	63	70	65	52	44	45	72	76	76	72	71	45	35	40	37	59	54	39	40	58	44	58	..	..	..	54.5
	Minimum	31	29	29	31	44	33	37	42	45	39	34	34	34	35	35	57	38	19	26	27	22	31	27	22	21	31	34	34	..	..	..	35.1
Princeton	Maximum	42	39	48	60	58	65	63	70	65	52	44	45	72	76	76	72	71	45	35	40	37	59	54	39	40	58	44	58	..	..	..	54.5
	Minimum	33	30	31	36	44	38	52	49	44	40	33	36	35	46	48	52	36	23	27	26	28	27	33	22	18	27	35	34	..	..	..	51.5
Russellville§§	Minimum	38	36	51	59	57	58	58	62	61	54	41	41	64	71	73	71	64	42	31	34	35	50	50	33	44	58	55	50	..	..	..	30.6
	Maximum	38	36	51	59	57	58	58	62	61	54	41	41	64	71	73	71	64	42	31	34	35	50	50	33	44	58	55	50	..	..	..	30.6
Greensburg	Minimum	30	28	26	28	44	31	36	44	44	38	33	31	29	33	33	52	36	19	24	24	20	26	30	15	14	26	32	31	..	..	..	48.6
	Maximum	35	36	50	53	51	54	59	61	58	44	37	43	65	69	70	66	53	32	30	34	34	47	43	35	43	57	48	51	..	..	..	48.6
Irvington	Minimum	31	29	30	37	39	32	45	42	43	35	34	34	36	39	44	53	29	20	26	24	22	27	27	20	30	34	32	34	..	..	..	38.1
	Maximum	34	34	50	59	54	56	60	61	60	47	42	39	65	68	72	70	66	38	30	31	32	45	47	34	42	58	52	60	..	..	..	50.2
Junction City	Minimum	31	28	26	28	44	31	37	47	45	41	32	32	30	32	34	51	37	18	25	24	12	31	28	17	15	26	33	36	..	..	..	31.1
	Maximum	31	28	26	28	44	31	37	47	45	41	32	32	30	32	34	51	37	18	25	24	12	31	28	17	15	26	33	36	..	..	..	48.0
Leitchfield	Minimum	35	34	49	54	54	54	58	62	59	46	37	40	65	69	68	65	50	35	33	31	46	45	32	35	54	54	50	33	..	..	..	32.5
	Minimum	31	29	27	35	45	41	45	47	43	36	33	32	33	39	42	50	34	20	25	23	21	22	29	18	15	30	32	33	..	..	..	45.3
Lexington	Minimum	32	30	27	35	50	53	55	55	57	44	33	39	59	65	70	67	45	29	27	29	32	44	44	31	36	53	41	43	..	..	..	31.2
	Maximum	28	27	27	35	41	35	46	41	40	33	31	32	34	45	42	45	22	17	23	22	18	31	21	20	23	32	32	32	..	..	..	47.0
Louisville	Minimum	35	35	50	53	53	51	57	58	53	44	37	42	63	69	70	66	46	32	31	35	32	47	42	32	37	57	58	51	..	..	..	33.0
	Maximum	35	35	50	53	53	51	57	58	53	44	37	42	63	69	70	66	46	32	31	35	32	47	42	32	37	57	58	51	..	..	..	47.9
Do. Cherokee Park	Minimum	32	29	31	39	42	32	43	41	38	35	33	33	36	47	43	46	27	21	27	24	24	32	24	26	26	35	31	33	..	..	..	32.5
	Maximum	35	35	49	54	53	51	57	58	59	47	40	41	62	66	70	68	54	35	30	34	30	47	33	33	38	56	56	51	..	..	..	48.5
St. John	Minimum	30	29	29	35	45	31	41	40	43	35	34	33	34	38	36	52	35	18	25	23	22	29	26	19	23	30	32	34	..	..	..	31.1
	Maximum	33	32	50	54	54	56	57	57	61	43	36	44	66	70	70	67	52	31	29	33	38	45	47	28	43	58	54	51	..	..	..	45.6
Scott	Minimum	31	29	29	33	39	33	46	43	43	36	33	32	33	35	40	51	30	19	25	24	18	16	20	24	16	17	29	32	34	..	..	29.9
	Maximum	31	31	47	54	50	51	55	54	53	41	37	39	58	60	70	67	51	32	29	34	31	41	44	32	38	58	49	46	..	..	..	48.5
Shelbyville	Minimum	26	27	27	33	41	32	38	35	40	34	31	31	32	38	33	50	29	14	26	24	18	25	22	16	20	30	32	32	..	..	..	48.1
	Maximum	33	36	50	56	52	54	56	62	57	45	40	41	63	72	73	70	57	33	36	34	30	43	43	34	40	58	46	50	..	..	..	48.3
Taylorsville	Minimum	27	25	32	39	39	26	40	37	39	33	29	29	29	34	36	47	25	14	22	18	16	26	20	14	17	26	28	29	..	..	..	30.6
	Maximum	34	34	49	56	53	51	57	61	55	47	39	41	63	66	70	68	55	35	36	33	31	45	46	33	40	56	52	49	..	..	..	48.5
Williamstown	Minimum	31	29	27	30	42	29	38	42	43	37	32	32	32	32	33	54	34	18	26	25	11	29	25	15	19	29	31	33	..	..	..	28.1
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Eastern Division.																																	
Ages	Maximum	41	40	45	47	48	48	52	62	62	53	63	38	57	69	69	69	65	50	45	45	36	47	46	35	39	52	52	55	..	..	..	51.6
	Minimum	34	34	30	28	40	34	35	47	52	50	34	32	30	33	46	34	41	24	33	28	25	35	31	23	26	30	40	31	..	..	..	34.3
Ashland	Maximum	37	37	50	59	59	52	51	55	58	63	42	39	55	65	74	75	73	45	32	39	38	45	46	32	40	59	55	44	..	..	..	50.4
	Minimum	29	31	31	27	39	36	32	41	47	38	36	32	34	35	50	51	42	19	21	28	21	33	31	24	26	27	28	28	..	..	..	32.5
Beattyville	Maximum	37	36	55	65	61	61	59	63	62	67	50	40	67	68	73	70	70	43	32	35	34	51	45	25	48	63	54	56	..	..	..	58.7
	Minimum	33	32	31	22	32	32	30	45	50	40	34	33	27	32	31	37	12	18	27	24	21	28	22	18	22	38	35	..	..	..	..	31.2
Berea	Maximum	38	33	53	59	52	57	63	67	60	62	48	40	64	71	74	73	.	42	32	34	34	50	42	35	42	57	49	50	..	..	..	§51.1
	Minimum	31	29	28	35	46	35	48	49	42	40	36	32	34	45	45	55	.	18	25	25	25	25	21	17	27	34	33	..	..	..	..	§33.5
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	73	50	32	43	39	45	46	40	40	56	52	40	..	..	..	.....
Farmers	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	38	15	22	27	18	30	28	26	15	20	35	34	..	..	..	46.9
	Maximum	34	33	48	56	51	53	54	56	55	46	40	40	56	62	70	69	64	35	32	35	34	42	43	31	37	51	45	41	..	..	..	31.9
Maysville	Minimum	29	31	28	28	44	35	36	40	46	37	34	33	32	35	34	47	35	18	26	27	19	32	26	20	20	28	37	35	..	..	..	54.1
	Maximum	40	38	46	55	54	60	65	63	60	62	62	39	57	71	71	71	67	50	46	46	38	55	54	42	45	58	52	53	..	..	..	34.8
Middlesboro	Minimum	33	33	29	25	41	33	40	50	53	45	34	33	26	34	31	51	44	24	31	27	28	35	34	24	31	25	40	39	32	..	..	48.8
	Maximum	35	34	48	58	50	54	62	59	58	43	47	41	59	67	71	71	60	36	32	35	34	47	46	36	38	53	47	45	..	..	..	30.6
Mount Sterling	Minimum	28	28	27	29	43	35	38	43	43	32	33	33	36	40	34	50	26	16	24	23	18	25	20	27	26	22	20	31	35	54	..	50.4
	Maximum	35	34	49	58	53	56	63	61	60	50	44	40	61	70	73	71	66	40	31	34	31	47	45	34	41	55	50	48	..	..	..	33.5
Richmond	Minimum	32	30	28	35	45	35	47	46	45	40	31	33	33	44	41	54	37	18	25	25	20	27	26	22	20	31	35	54	..	..	..	55.0
	Maximum	41	38	51	58	54	63	68	62	61	54	47	34	33	36	45	50	37	51	41	24	31	27	27	34	33	20	22	29	30	35	..	35.4
Williamsburg	Minimum	33	32	30	32	45	40	44	51	54	47	34	33	36	45	37	51	41	24	31	27	27	34	33	20	22	29	30	35	..	..	..	25.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

a, b, etc., indicate respectively 1, 2, 3, etc., days missing from record.

105
KE
UNIVERSITY OF ILLINOIS LIBRARY
JUN 1 1921

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., MARCH, 1921. No. 3

GENERAL SUMMARY.

The mean temperature for the month was the highest on record in this State for March. Unseasonably warm weather prevailed almost continuously from the 1st to the 27th, the daily excess during most of this period ranging from 10° to 27°. The persistence of high temperature caused premature development or forcing of early vegetation, which reached the stage of rapid growth and marked susceptibility to frost damage about three weeks ahead of the usual time. Wheat, clover, pastures, and fruit trees presented the appearance usually seen about the middle of April. Peach, pear, and plum trees began to bloom in the northern counties about the 13th, and in the southern counties a week earlier; and were in full bloom by the end of the third week. Wheat grew rapidly and had begun to joint in some of the earlier fields in the southern counties. A sharp cold wave swept over the State on the 28th, accompanied by a severe freeze on the 29th, with minimum temperatures ranging from 19° in the northern to 30° in the southern and eastern counties. Most of the fruit in blossom was killed, the damage to plums, pears and peaches being especially heavy; while apples, cherries and grapes were considerably injured. Clover was also damaged to some extent, but wheat generally escaped injury of consequence.

Precipitation was heavy in the agricultural districts, being nearly twice the normal amount in many localities; but was generally deficient over the mountain counties. Good progress was made with plowing during the third week, otherwise the frequent and heavy rains rendered the month unfavorable for soil preparation.

TEMPERATURE.

The average temperature for the month, 41 stations reporting, was 56.7°, which is 10.7° above normal. Maximum temperatures ranging from 70° to 85° occurred almost daily in the period 5-27th. Minimum temperatures were also unseasonably high until the 28th, the only cold period of importance being the 28-30th. On the 29th minimum temperatures ranging from 19° to 25° were registered in most localities. These temperatures were not unusual for the last of March, but were especially damaging this year on account of the advanced condition of vegetation. The extremes at the various stations were 87° at Bardstown on the 15th and at Greenville on the 20th, and 19° at Shelbyville on the 29th.

PRECIPITATION.

The average precipitation, based on reports from 58 stations, was 5.75 inches, which is 1.09 inches in excess of normal. Precipitation was frequent and unevenly distributed over the State. The principal periods were: 2d-3d, moderate to heavy rains; 6-7th, showers; 8-9th, heavy rains; 12-16th, showers; 22d-24th, moderate to heavy rains; 27-28th, heavy rains; and 31st, moderate to heavy rains. In the northern, central and western counties monthly amounts ranged between 5.0 and 9.0 inches; while in the upper Cumberland basin and the mountain district they ranged between 2.5 and 4.0 inches. The only snowfall was a trace in the northern counties. Amounts at the various stations ranged between 2.59 inches at Pikeville and 9.12 inches at Shelbyville. Thunderstorms were frequent in the central and western counties and accompanied in a few instances by damaging hail.

MISCELLANEOUS

March 5.—A barn was burned by lightning near Whitewood, Green County.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity* Miles per hour.	Direction.	Date.
Cairo.....Ill.	30.07	30.55	28	29.70	24	9508	12.8	42	ne.	27
Cincinnati.....Ohio	30.10	30.63	22	29.58	24	7276	9.8	48	nw.	27
Evansville.....Ind.	30.09	30.58	22	29.65	24	11171	15.0	45	w.	24
Lexington.....Ky.	30.11	30.55	22	29.68	24	12775	17.2	60	sw.	15
Louisville.....Ky.	30.11	30.59	22	29.65	24	12074	16.2	66	sw.	15

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo.....Ill.	79	60	60	259.1	371.4	70	16	3
Cincinnati.....Ohio.	77	61	68	197.0	371.1	53	7	9
Evansville.....Ind.	76	57	58	243.4	371.2	66	12	4
Lexington.....Ky.	76	68	.....	175.6	371.2	47	9	11
Louisville.....Ky.	81	60	54	223.8	371.3	60	13	7

COMPARATIVE DATA FOR MARCH.

Year	Temperature. Monthly average.	Departure from 36-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 36-year normal.	No. of days with .01 or more rain.
1889	40.5	− 5.5	84	18	1.52	−3.14	..
1890	41.2	− 4.8	78	4	8.34	+3.68	..
1891	41.8	− 4.2	71	9	8.06	+3.42	..
1892	40.6	− 5.4	82	7	4.08	−0.58	..
1893	45.0	− 1.0	89	5	2.76	−1.90	..
1894	50.8	+ 4.8	86	10	2.72	−1.94	..
1895	45.0	− 1.0	88	15	3.17	−1.49	9
1896	41.1	− 4.9	80	8	6.16	+1.50	12
1897	49.6	+ 3.6	86	20	7.94	+3.28	14
1898	50.7	+ 4.7	84	16	7.59	+2.98	13
1899	43.9	− 2.1	80	− 3	8.10	+3.44	15
1900	42.8	− 3.2	81	− 3	2.58	−2.08	9
1901	46.4	+ 0.4	87	3	3.50	−1.16	10
1902	47.2	+ 1.2	82	7	4.44	−0.22	11
1903	52.5	+ 6.5	85	19	4.43	−0.23	12
1904	47.7	+ 1.7	88	12	6.26	+1.62	12
1905	52.2	+ 6.2	86	22	4.45	−0.21	9
1906	39.2	− 6.8	75	3	6.37	+1.71	16
1907	54.9	+ 8.9	92	18	2.28	−2.38	10
1908	51.8	+ 5.8	88	19	5.42	+0.76	13
1909	44.8	− 1.2	74	17	5.14	+0.48	11
1910	55.0	+ 9.0	91	11	0.79	−3.87	3
1911	46.0	0.0	87	7	2.57	−2.09	9
1912	41.3	− 4.7	88	10	6.22	+1.56	15
1913	46.5	+ 0.5	85	9	7.22	+2.56	10
1914	41.8	− 4.2	78	2	3.62	−1.04	12
1915	37.8	− 8.2	65	11	2.11	−2.55	8
1916	43.5	− 2.5	84	4	3.39	−1.27	10
1917	45.9	− 0.1	84	0	6.52	+1.86	14
1918	51.6	+ 5.6	85	17	1.97	−2.69	8
1919	47.6	+ 1.6	81	16	5.65	+0.99	9
1920	46.3	+ 0.3	88	1	4.85	+0.19	10
1921	56.7	+10.7	87	19	5.75	+1.09	11

Climatological Data for March, 1921.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall melted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Western Division.																				
Beaver Dam	Ohio	441	17	58.0	+11.3	84	15†	25	29	39	6.75	+2.84	1.70	0	10	24	5	2	s.	Miss Addie B. Taylor
Blandville	Ballard	445	39	57.6	+10.3	82	15	24	29	33	6.44	+1.81	2.57	0	12	10	13	8	s.	E. W. Horr.
Calhoun	McLean	437	18	58.2	+ 8.9	84[d]	19	26*	29	44	7.49	+3.52	1.95	T.	14	7	17	7	sw.	W. A. Taylor.
Earlington	Hopkins	420	30	57.4	+10.1	83	15†	23	4	37	8.59	+3.71	3.30	0	11	20	1	10	s.	Brick Southworth.
Greenville	Muhlenburg	519	4	56.8	.....	87*	20	24*	29	41[b]	7.00	.....	1.81	0	13	14	10	7	s.	C. R. Lovell.
Henderson	Henderson	327	12	.....	.....	.....	.....	.....	.....	.....	5.26	+0.48	1.65	0	9	.....	.....	.....	.....	W. Shelby.
Hopkinsville	Christian	524	24	60.1	+10.9	86	15	23	29	42	8.21	+3.37	2.08	0	12	14	4	13	s.	W. E. Graves.
Marion	Crittenden	571	22	57.6	+ 9.0	81	15	24	29	33	6.32	+1.53	1.90	0	8	10	12	9	sw.	B. C. Paris.
Mayfield	Graves	364	10	58.4	+ 7.0	81	15†	26	29	39	7.51	+3.45	1.20	0	13	16	10	5	s.	N. E. Douthit.
Owensboro	Daviess	479	24	56.5	+ 9.6	82	19	25	29	37	6.94	+2.16	1.57	0	15	14	9	8	s.	Henry S. Berry.
Paducah Lone Oak	McCracken	516	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Paducah	McCracken	341	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	10	57.8	+ 9.5	83	15†	24	29	39	6.46	+2.07	2.20	0	12	.....	.....	.....	.....	Dr. W. L. Cash.
Russellville	Logan	590	8	55.2	+ 6.0	83	19	25	29	39	5.46	+0.25	1.40	0	13	12	12	7	s.	E. C. Shelton.
Central Division.											6.33	+1.04	1.48	0	12	.....	.....	.....	s.	
Alpha	Clinton	811	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anchorage	Jefferson	700	20	54.2	+ 9.1	82	19†	21	29	40	5.36	−0.81	1.60	0	8	5	13	13	s.	Frank Hicks.
Bardstown	Nelson	637	24	57.2	+10.6	87	15	24	29	42	7.21	+2.97	1.79	T.	10	17	6	8	sw.	C. E. Barret.
Bowling Green	Warren	560	30	59.2	+10.9	85	15†	25	29	39	6.76	+2.07	1.88	0	11	13	10	8	s.	Chas. M. Talbott.
Brownsville	Edmonson	410	3	.....	.....	.....	.....	.....	.....	.....	7.92	+3.00	1.47	0	11	15	8	8	s.	Mrs. Lillie G. Causey.
Burnside	Pulaski	773	28	.....	.....	.....	.....	.....	.....	.....	7.29	.....	1.45	0	15	.....	.....	.....	.....	James H. Young.
Camp Knox	Hardin	736	0	54.7	...	82	19†	23	29	36	3.75	−1.51	0.86	0	13	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton Lock No.1	Carroll	492	21	.....	.....	.....	.....	.....	.....	.....	7.53	.....	2.96	0	10	5	15	11	sw.	Signal Corps, U. S. A.
Cloverport	Breckenridge	375	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charlie Oliver.
Eubank	Pulaski	1177	26	56.2	+ 9.9	82	20	23	4	38	6.46	+2.07	2.20	0	12	.....	.....	.....	.....	W. A. Cockerill.
Frankfort	Franklin	560	27	56.4	+10.2	82	20	25	4[b]	35	5.30	+1.97	2.14	0	13	.....	.....	.....	.....	.....
Franklin	Simpson	691	25	60.3	+10.2	85	15†	25	29	44	7.21	+2.97	1.79	T.	10	17	6	8	sw.	W. A. Cockerill.
Glasgow	Barren	788	0	59.2	.....	83	18†	23	29	38	6.25	.....	2.58	T.	12	.....	.....	.....	.....	.....
Greensburg	Green	581	28	56.1	+ 9.3	83	19†	23	4†	43	3.22	−2.03	0.95	0	6	4	16	11	s.	Mrs. Katie Payne.
High Bridge	Jessamine	762	18	.....	.....	.....	.....	.....	.....	.....	5.45	+0.75	1.80	T.	14	13	6	12	s.	Mrs. Amelia Wood
Irvington	Breckenridge	646	23	57.1	+10.3	81	19†	24	29	33	5.47	+0.72	1.74	0	9	19	4	8	s.	B. Y. Hunt.
Junction City	Boyle	985	27	55.8	+ 9.7	84	20	24	3†	37	7.22	+2.11	1.90	0	13	13	9	9	sw.	G.E.Watkins.
Leitchfield	Grayson	635	25	56.2	+10.2	82	20	24	29	35	6.45	+1.66	1.81	0	15	10	7	14	sw.	Mrs. Bettie K. H. Alcorn.
Lexington	Fayette	989	33	54.6	+11.2	80	20	23	29	32	5.06	+0.34	1.29	T.	14	8	13	10	s.	U. S. Weather Bureau.
Louisville	Jefferson	525	48	55.6	+10.3	81	20	25	29	34	6.65	+2.33	2.21	T.	14	11	12	8	s.	U. S. Weather Bureau.
Do. Cherokee Park	Do	534	11	55.5	+10.2	82	20	23	29	37	7.07	+3.23	2.42	T.	14	11	12	8	s.	Wm. I. Hunt.
St. John	Hardin	777	24	54.9	+ 9.8	81	20	21	4	38	6.79	+1.80	2.10	0	11	17	5	9	.....	Sisters of Loretto.
Scott ¶	Kenton	900	23	53.2	+ 9.8	81	26	21	29	35	6.51	+2.07	1.72	0.5	11	3	18	10	s.	E. B. Wilson.
Shelbyville	Shelby	825	31	54.0	+ 9.3	83[a]	20	19*	29	40[b]	9.12	+4.41	2.81	T.	13	14	8	9	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	18	54.9	+ 9.1	81	19†	24	4	36	6.11	+1.77	2.18	T.	12	12	7	12	sw.	E. D. Bourne.
Williamstown	Grant	943	18	55.0	+11.8	81	27	20	29	47	6.15	+1.99	3.20	T.	10	15	8	8	sw.	Mrs. E. S. Hundlong.
Woodbury	Butler	533	3	.....	.....	.....	.....	.....	.....	.....	6.10	.....	1.38	0	15	.....	.....	.....	.....	J. C. Stinson.
Eastern Division																				
Ages	Harlan	1256	0	57.6	.....	81	20	29	1†	41	3.56	.....	0.63	0	8	12	10	9	.....	S. A. Driver.
Ashland	Boyd	534	3	56.6	.....	86	20	29	5†	46	3.39	.....	1.06	T.	11	14	7	10	sw.	Forester Farley.
Beattyville	Lee	650	16	56.8	+12.1	86	26†	25	1*	47	4.00	−1.33	0.95	0	13	11	8	12	s.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	57.0	+ 9.9	83[a]	20†	28*	4	39	5.15	+0.39	1.27	0	10	16*	4*	10*	sw.	Prof. Chas. D. Lewis.
Carlisle	Harrison	684	3	.....	.....	.....	.....	.....	.....	.....	3.55	.....	1.30	0	8	.....	.....	.....	.....	P. H. Kehoe.
Cynthiana	Pendleton	600	32	.....	.....	.....	.....	.....	.....	.....	6.59	+2.50	3.39	T.	11	10	11	10	s.	J. V. Oldham.
Falmouth	Bowan	668	13	55.4	+10.3	84	20	25	10	39	3.93	−0.58	1.10	T.	7	14	11	6	sw.	Mrs. Alice Phelps.
Farmers	Breathitt	776	9	.....	.....	.....	.....	.....	.....	.....	3.10	−1.53	1.00	0	8	.....	.....	.....	.....	Nick Kelly.
Jackson	Laurel	1190	6	.....	.....	.....	.....	.....	.....	.....	2.75	.....	0.95	0	6	.....	.....	.....	.....	C. R. Lee.
London	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	2.82	−1.30	0.95	0	11	.....	.....	.....	.....	T. D. Snyder.
Louisa	Mason	524	23	55.6	+11.5	83	26	26	29	35	5.44	+0.80	1.12	T.	14	10	11	10	e.	Harry M. Robinson.
Maysville	Bell	1128	23	58.2	+ 9.7	85	21	26	1†	40	3.32	−2.16	0.90	0	8	22	6	3	.....	B. H. Perkins.
Middlesboro	Montgomery	930	31	54.7	+11.0	82	20†	21	10	37	6.22	+0.81	1.25	0	13	15	8	8	w.	W. R. McKee.
Mount Sterling	Greenup	540	1	.....	.....	.....	.....	.....	.....	.....	3.84	.....	1.08	0	13	.....	.....	.....	.....	W. C. Hash.
Olive	Pike	634	15	.....	.....	.....	.....	.....	.....	.....	2.59	−1.96	0.82	0	9	.....	.....	.....	.....	I. M. Williams
Pikeville	Madison	926	26	58.1	+12.7	84	20	25	29	39	6.92	+2.53	1.37	0	11	18	5	8	.....	J. W. Crooke.
Richmond	Lewis	525	4	.....	.....	.....	.....	.....	.....	.....	4.55	.....	1.29	T.	13	.....	.....	.....	.....	Samuel Johnson.
Vanceburg	Whitley	939	23	59.4	+13.3	85	20†	26	4	41	3.30	−1.62	3.80	0	10	12	13	6	s.	D. B. Bradley.
Williamsburg				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	11	13	9	9	s.	
State averages and extremes				56.7	.....	87	15†	19	29	47	5.75	.....	.....							

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, b represents two days, etc.
T. Precipitation is less than 0.01 inch rain or melted snow.
[a] Also on other dates. ** Received too late to be included in means and summaries.
¶ Postoffice address, Covington, Ky.

March 15.—Greenhouses and windows in residences and business houses at Paducah were damaged by a heavy hailstorm. Automobile tops were punctured by the hail. The loss is estimated at $100,000.

March 24.—A windstorm, probably a tornado, having a path about three-fourths of a mile wide and extending due north, caused damage estimated at $50,000 in Scott County. Nine barns were destroyed, several head of cattle and horses killed, and residences and telephone systems damaged. Heavy hail that accompanied the storm caused damage to fruit trees.

Five persons were injured and considerable property damaged in a windstorm in Madison County. Hail causing slight damage occurred in Jefferson and Fayette counties.

Daily Precipitation for March, 1921.

Stations.	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam ..... G			.40			.05			1.70			.60		.50		.20						.10		.90			1.50				3.25
Blandville ..... M		.06		T.				.62	.58			.58		.11		.15						.02	.64	.84			2.05				4.24
Calhoun ..... G		.03	.66			.02		.03	1.95			.33		.44		.36			T		T	.43	.04	.57			1.80				5.26
Darlington ..... G			.73				T.		1.76			.41			.15	.68					.45	.11		.45	.10		3.50				6.40
Greenville ..... G		.07	.41						1.70			.49		.21		.36						.45	.16	.62			1.81		.02		6.00
Henderson ‡ ..... O			T						1.65			.30		T		.42			T			.25	.08	.56	.35		1.55				5.26
Hopkinsville C		.09	.02			.04	T	T	2.04			.82		.25		.42						.76		.76			2.08				8.24
Marion ..... O		T.				T.		.65	1.05			.17		.20		.87					T	.42		1.66			1.90		T		6.27
Mayfield ..... M		.50				.01		.50	1.00			1.10		.10								1.00	.35	.65			1.20		.20	.50	7.50
Owensboro ..... O		.27	.28			.05	T.	.50	1.25			.30		.10		.29					.10	.35	.02	1.57			2.21				6.94
Paducah ..... O			.06						1.58			.28		.06	.16	.62						.44	.10	.66	.20		2.20				5.46
Princeton ..... G		.16				.01		.30	1.40			.42		.23		.39					T.	.35	.24	.44			1.56		T		5.36
Russellville ..... G			.42						1.48			.45			.32	.26						.42	.14	.17	.70		1.60	.04			6.35
Central Division.																																
Alpha C		.55							1.10			T		.52	.23						T.	.40		.75			.21		1.60		5.56
Anchorage ..... O		.79				.15	T.		1.10			.28		.25	.01							T.		.78		1.45	1.70		.55		7.21
Bardstown ..... S		.68	.38			.13			1.01			.38		.28		.47						.34		.40			1.88		.81		6.36
Bowling Green ‡ ..... G		.05	.55						1.47			.40		1.00		.45						.48	.17	.93			1.40		1.02		7.92
Brownsville ‡ ..... G			.60				.22		1.45	.06		.23	.42		.44	.36						.14	.17	.14	.95		1.29	.15	.67		7.25
Burnside ‡ C			.49				T.		.86	.04		T	.07		.43	.23						.10	.23	.14	.59		.17	.02	.38		3.75
Camp Knox¶ ..... O		.42			.18	T.	T.	1.24				.24		.23		.25					T	.39	T	1.65		T	2.96		.57		7.53
Carrollton ‡ ‡ (Lock No. 1) ..... O		.07	.52			.07	.22		1.36	.03		.11	.27								.02	.15					2.14	.17	.17		5.30
Cloverport ‡ ..... O			.26				.10		1.39	T.		.42	T.		.03	.15						.28	.04	.66	.72		2.58	T	.22		6.25
Eubank C			.35						.95			.04			.75										.43		.70				3.22
Frankfort ‡ ..... K			.79			.06	.18		.81	.06		.02	T.		.18	.06				T.	T	.01	.01	.92		1.80	.09	.46		5.45
Franklin ..... G		.38	.18						1.74			.55		.65		.16						.85	.20	.76							5.47
Glasgow ..... G		.40												.85		.40						.40	.15	.65					1.70		4.55
Greensburg ..... G		.06	.45			.06		1.60				.30		1.35		.22						.27	.07	.66			1.19		1.52		7.65
High Bridge ‡ ..... K			1.19			.46			.97	.15		.02	.08		.23	.26						.02	.20	.10	.19		1.15	.15	.47		5.64
Irvington ..... O		.25	.19			.18	.04		1.48			.40		.08		.34						.42		.45			2.20	T	.47		6.96
Junction City ..... K		.82				.11			1.51			.07		.30		.25						.31		.53	.02		1.90		1.46		7.22
Leitchfield ..... G		.30				.17			1.35			.48		.32	.15							.37	.10	.78			1.26	.61	.62		6.45
Lexington *** ..... K		.97				.16		.08	.91			.15		.05	.04	.12		T	.01	T		.08	.06	.33			.01	1.28	.81		5.06
Lottsville *** ..... O		.85				.08	.01	1.02	.52			.24		.14	T.	.03			T	.02	.02	T	1.06					1.30	.91	T	.41	6.65
Do. (Cherokee Park) ..... O		.07	.77			.07	.04		1.59			.30		.25		.09				.02	.01	.05		.95			2.42		.44		7.07
St. John ..... S		T.	.60			.36	T.	T.	1.17			.45		.34		.26						.30	.04	.57			T.	2.10		.60		6.79
Scott L		.65				.15	.65		1.06			.28				.25				.04	.20			.81			.70	1.72				6.51
Shelbyville ..... S		.96				.56	.12		.82			.58		.17		.13					.05	.15		.55			1.45	2.81		.77		9.12
Taylorsville ..... S		.40	.14			.10	T.	T.	.87			.49		.16	.01	.30				T		.27		.56			T	2.18		.63		6.11
Williamstown L		.62	.03			.14	.52		.46			.22									.18			.30			3.20		.53		6.15
Woodbury ‡ ..... G			.49				.32		1.38	.05		.40	.10		.35	.23						.16	.13	.15	.62		1.06	.65	.61		6.10
Eastern Division.																																
Ages ..... K			.46						.61					.39		.30						.27		.37			.63		.53		3.56
Ashland ‡ ..... O			1.06				.04		.25	.53		.06		.10	.05									.21	.67		.04	.38				3.39
Beattyville ‡ ..... K			.95						.70	.11				.06		.47	.43			.32		.05	.18	.13	.26			.32		.02		4.00
Berea ..... K		.31	.24						.91			.05		.40			.24					.34		.36			1.63		1.27		5.15
Cynthiana L			1.00		T.	.05	.15		.20	T.		T.	T.		T.	T	T								.45		1.20	.10	.36		3.55
Falmouth L			.75				.76		.39	.08		.15	T.		T	.12						.02			.50		.39	.07	.36		6.59
Farmers ‡ L			1.10			.14	T.	.98					T		.10	T				T			.40		.37		.84	T	T.		3.93
Jackson ‡ ..... K			1.00						.50	.45			T		.30	.20						T.	.30	.05	T			.40	T.		3.10
London ‡ C			.20						.60				.12		.35							.10	.20	.25	.30				.03		2.75
Louisa ‡ ..... B			.95				.05		.49	.25			.02		.10		.03					.09		.15	.36			.33				2.82
Maysville ..... O		.06	1.08			.10	.60		.67	.17		.37			.07	.28				T.		T		.10	.22		1.12	.35	.25		5.44
Middlesboro C			.26						.90					.32		.25						.46		.57			.12		.44		3.92
Mount Sterling L		.06	.86	.09					1.04			.10		1.11		.14			.06		T	.02		.42	.02		1.25		1.05		6.22
Oliver ‡ ..... O			.76			.04	.50		.41	.19			.11		.06	.05				.03				.14	.29		1.08	.18			3.84
Pikeville ..... B			.82						.08	.52					.23	.18						.18	.22		.12			.24				2.59
Richmond ..... K		1.37				.15	.13		1.25			T.		.15		.47						.28		.62	.36		.90		1.25		6.92
Vanceburg ‡ ..... O		.10	1.02				.53		.56	.11			.12	.06		.14						.04			.32		1.29	.13	.13		4.55
Williamsburg ‡ C			.51						.80	.26			.02		.36	.32						T.	.31	.14	.30			.28				3.50

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Precipitation for 24 hours ending at 3 p. m

Rivers.—A rise began in the upper reaches of the Ohio on the 3d, soon reaching moderate stages which continued until about the 13th. This swell, together with the runout of the tributaries, in the lower basin, caused flood stages in the lower Ohio for the first time this season. The river at Paducah and Henderson reached flood stage on the 12th and continued above that stage until the 17th. Flood stage was also reached at Mt. Vernon, Ind. on the 15th. Considerable freshets occurred in Green River on the 11-12th and 30th, but flood stage was not reached.

Daily Temperatures for March, 1921.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	65	65	64	60	73	69	79	78	65	61	74	69	74	72	84	78	75	81	80	84	79	50	56	72	79	80	84	72	54	66	55	70.9
	Minimum	32	38	38	26	45	54	61	61	40	26	35	53	48	52	50	50	40	44	60	69	49	40	40	50	43	60	66	33	25	35	42	45.2
Blandville	Maximum	69	69	68	60	72	67	76	68	58	58	69	68	70	72	82	72	73	80	80	79	73	54	74	72	78	78	76	45	48	61	55	68.3
	Minimum	38	53	41	31	47	58	57	56	38	31	42	54	50	57	57	44	44	57	65	64	44	40	48	50	45	53	44	30	24	37	43	46.8
Calhoun	Maximum	68	66	61	59	72	68	78	75	...	...	...	...	72	71	81	79	63	78	84	83	81	75	58	72	78	80	78	60	33	26	35	47
	Minimum	31	50	38	27	45	57	58	57	...	...	...	46	52	47	45	34	34	45	58	...	...	...	...	51	48	60	60	33	26	35	47	45.2
Earlington	Maximum	68	65	62	59	73	70	78	74	57	58	71	67	71	64	83	78	77	79	83	81	75	52	56	72	77	80	79	60	56	66	67	69.6
	Minimum	33	58	39	23	48	59	61	57	33	26	35	50	45	51	49	46	40	44	61	69	47	40	42	49	40	65	60	32	24	32	42	45.2
Greenville	Maximum	63	65	59	58	73	70	79	77	61	60	71	68	...	71	83	78	78	80	84	87	80	51	56	71	78	79	80	64	32	24	32	42	*69.3
	Minimum	33	41	39	25	46	54	59	59	38	27	34	53	...	45	42	47	40	40	49	61	67	47	40	41	48	41	63	64	32	24	32	42	*44.4
Hopkinsville	Maximum	72	67	65	69	75	73	81	78	61	63	73	67	72	74	86	76	77	82	85	85	80	67	52	74	81	84	83	71	65	68	61	73.1
	Minimum	33	51	40	28	40	54	57	59	39	26	31	53	47	54	51	62	62	48	61	67	49	41	42	49	63	60	64	32	23	33	42	47.1
Marion	Maximum	68	65	64	60	71	66	76	73	57	58	70	65	70	69	81	75	70	74	80	79	76	62	54	70	76	78	75	61	50	63	58	67.9
	Minimum	41	55	38	27	50	59	60	55	34	29	45	55	57	55	57	44	45	48	66	68	44	38	40	44	49	64	61	31	24	39	42	47.2
Mayfield	Maximum	68	60	65	74	71	73	76	75	63	69	71	75	72	73	81	81	77	81	80	80	73	53	52	72	71	81	71	65	51	62	57	69.9
	Minimum	37	36	40	52	53	55	58	45	38	30	39	45	48	55	57	52	46	58	64	61	47	40	47	50	48	57	58	31	26	36	43	46.8
Owensboro	Maximum	66	60	59	56	71	66	77	72	62	54	70	64	69	64	81	61	71	77	82	81	69	51	61	70	76	71	78	71	52	64	54	67.1
	Minimum	36	53	37	29	35	57	54	52	40	31	39	49	54	55	50	46	46	48	62	67	47	40	39	51	46	60	61	34	25	36	43	45.9
Paducah (Lone Oak)	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Princeton	Maximum	70	66	62	65	74	67	79	72	57	62	73	68	74	69	83	76	73	83	83	81	73	52	54	72	78	81	78	65	50	66	59	69.8
	Minimum	31	53	39	29	47	58	58	57	39	28	34	55	44	54	49	46	42	52	62	68	49	40	43	49	40	64	64	33	24	33	33	45.7
Russellville§§	Maximum	68	64	50	58	70	72	74	74	50	60	71	67	72	65	82	85	72	80	83	82	73	52	57	72	79	77	81	46	51	63	60	67.1
	Minimum	34	48	43	27	35	43	46	45	40	28	32	46	44	50	49	50	42	47	53	63	66	42	42	46	42	46	63	38	25	27	43	43.4
Central Division.																																	
Alpha	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Anchorage	Maximum	66	62	54	54	72	64	77	76	57	56	72	62	68	57	80	60	73	73	82	82	73	51	62	68	76	82	81	60	47	66	58	68.3
	Minimum	28	49	31	22	40	52	54	56	38	25	35	53	39	39	50	40	33	38	56	66	46	38	31	52	40	59	58	29	21	34	40	41.7
Bardstown	Maximum	67	66	59	57	73	66	77	76	70	60	73	66	70	60	87	72	75	75	83	83	74	50	62	68	78	82	82	70	49	65	58	69.5
	Minimum	30	51	39	26	45	54	61	60	41	27	37	55	44	48	45	46	38	44	55	64	50	40	35	54	42	61	65	34	24	34	43	44.9
Bowling Green	Maximum	69	67	62	61	72	70	81	78	71	68	74	69	75	66	85	74	74	83	84	85	76	55	55	72	82	82	82	75	57	64	61	71.9
	Minimum	33	51	41	27	43	55	58	60	41	30	37	55	48	50	47	53	41	48	60	66	53	42	42	51	45	60	63	36	25	37	43	46.4
Camp Knox	Maximum	66	66	54	54	70	64	75	75	57	55	70	61	66	57	81	63	72	72	82	82	68	52	61	66	75	77	77	54	46	63	54	65.6
	Minimum	36	54	28	28	48	54	59	57	34	28	36	54	46	46	45	43	39	46	55	66	46	41	37	50	43	59	54	27	23	34	43	43.8
Eubank	Maximum	63	64	60	55	72	62	77	74	67	59	70	65	69	61	78	71	72	75	76	82	78	62	62	63	75	80	80	60	51	67	61	68.2
	Minimum	29	46	37	23	42	55	61	57	45	30	42	58	50	45	46	48	34	43	58	63	61	41	40	52	45	58	45	34	24	33	39	44.3
Frankfort	Maximum	64	66	59	54	71	66	76	75	73	55	68	68	66	60	77	75	72	72	81	82	79	58	61	66	75	81	81	66	47	65	64	68.5
	Minimum	31	47	38	25	45	55	56	54	41	29	35	53	45	44	46	48	37	43	50	68	57	41	34	56	44	56	55	34	25	33	42	44.4
Franklin	Maximum	70	66	68	62	72	71	78	78	74	73	78	71	73	76	85	80	72	84	84	85	80	58	58	72	81	82	83	75	53	64	61	72.9
	Minimum	38	53	42	28	46	55	58	59	41	29	42	56	46	54	52	53	46	48	63	65	56	43	43	52	46	61	63	36	25	37	43	47.7
Glasgow	Maximum	69	63	59	60	73	69	80	75	69	61	73	72	72	65	80	82	70	83	83	83	80	72	60	70	78	81	81	75	56	67	60	71.6
	Minimum	39	42	32	27	40	61	58	57	42	37	37	57	47	47	49	50	38	49	67	68	66	42	39	53	42	60	65	37	23	34	43	46.7
Greensburg	Maximum	66	62	62	57	73	69	79	70	43	59	72	68	69	62	79	75	72	75	83	83	78	64	62	69	77	81	81	77	52	66	62	69.2
	Minimum	26	49	39	23	38	57	59	40	25	28	34	55	46	45	41	48	33	39	52	65	63	40	36	53	40	58	54	34	23	30	40	43.0
Irvington	Maximum	66	66	59	55	71	64	76	75	58	57	70	65	69	60	79	72	73	73	81	81	75	51	61	69	74	78	80	65	48	63	59	67.5
	Minimum	37	54	38	37	48	55	59	58	40	29	39	54	47	52	48	47	40	47	62	69	49	39	36	52	45	62	65	34	24	38	43	46.7
Junction City	Maximum	65	62	55	59	72	68	77	74	65	58	71	65	66	63	80	72	64	74	79	84	78	69	62	65	77	81	80	65	50	66	64	69.0
	Minimum	28	37	24	27	43	57	60	58	40	26	34	52	45	41	43	48	33	42	48	66	50	40	35	53	40	59	62	34	24	29	41	42.5
Leitchfield	Maximum	63	62	59	55	65	65	76	69	59	59	68	64	67	65	75	75	65	77	80	82	75	60	59	67	73	73	78	70	50	60	58	66.9
	Minimum	31	52	38	26	45	52	59	57	39	23	37	54	48	51	46	49	38	45	57	67	60	39	38	50	44	60	65	35	24	34	42	45.5
Lexington	Maximum	62	63	51	52	70	64	74	72	55	56	68	62	66	59	75	61	69	72	77	80	73	48	60	62	74	79	79	58	46	64	56	64.7
	Minimum	38	48	29	27	44	54	60	55	35	32	46	53	49	49	48	43	42	45	58	65	43	38	31	52	49	60	58	26	23	37	39	44.4
Louisville	Maximum	65	62	53	54	71	64	76	74	56	56	70	61	68	58	80	63	74	71	81	81	71	53	61	66	75	80	79	49	49	63	57	67.8
	Minimum	39	52	32	28	49	55	61	56	39	33	42	53	46	51	46	42	42	48	58	68	46	41	35	52	50	65	49	29	25	37	41	45.5
Do (Cherokee Park)	Maximum	65	64	54	53	70	69	76	68	65	56	70	67	68	66	81	78	74	73	81	81	75	49	61	68	78	78	79	64	47	62	58	66.7
	Minimum	33	52	36	25	46	54	58	62	40	28	35	53	44	47	46	44	37	43	54	67	48	39	33	53	40	61	66	32	23	32	42	44.8
St John	Maximum	66	65	60	54	68	70	76	73	57	56	69	64	68	65	80	69	73	75	80	81	75	49	61	68	78	78	79	64	47	62	58	67.2
	Minimum	29	39	36	21	46	46	58	57	40	28	36	53	44	47	44	47	37	45	57	67	46	39	36	52	40	42	61	31	24	33	41	42.6
Scott	Maximum	63	59	52	48	70	64	73	73	59	48	68	61	68	60	75	70	70	67	79	80	74	46	62	65	71	81	79	59	46	64	58	64.9
	Minimum	34	51	33	25	43	53	53	59	38	26	37	53	46	43	45	40	35	41	49	64	46	36	28	58	43	58	57	30	21	31	40	42.3
Shelbyville	Maximum	67	63	52	51	72	62	75	75	63	56	70	63	68	58	79	...	74	71	81	83	75	57	64	68	77	81	80	62	47	64	60	*67.8
	Minimum	29	46	34	21	43	49	54	54	35	36	34	55	51	42	43	51	...	34	44	51	62	41	35	28	50	39	54	55	28	19	31	38	*40.7
Taylorsville	Maximum	65	62	53	54	71	64	76	74	56	56	70	61	68	58	80	63	74	71	81	81	71	53	61	66	75	80	81	67	47	64	60	67.1
	Minimum	28	47	26	24	37	54	54	52	39	25	34	52	43	45	45	46	36	42	52	57	50	40	35	55	41	56	55	33	23	33	43	42.7
Williamstown	Maximum	63	65	55	52	70	67	74	70	61	60	68	64	66	60	75	73	69	67	75	80	76	51	61	65	72	80	81	77	45	64	67	67.6
	Minimum	41	50	32	38	42	52	53	59	37	27	36	48	46	43	42	41	35	37	48	64	47	36	27	42	43	57	62	38	20	30	39	42.3
Eastern Division.																																	
Ages	Maximum	52	65	65	55	67	69	74	74	73	64	67	68	68	57	72	67	74	78	78	81	80	79	57	59	75	75	77	77	57	65	65	68.8
	Minimum	29	35	50	29	41	50	58	54	49	32	40	51	44	43	49	55	38	48	49	59	69	48	47	52	51	59	59	36	30	36	51	46.5
Ashland	Maximum	64	68	64	50	75	73	77	77	75	54	71	68	65	63	74	70	72	70	82	80	76	62	56	62	66	77	84	85	77	60	67	70.0
	Minimum	32	39	41	32	29	52	52	52	41	31	35	45	51	41	46	50	33	43	43	62	56	42	33	50	48	54	56	48	29	33	39	43.2
Beattyville	Maximum	70	67	60	59	76	74	83	78	71	66	76	70	74	64	83	71	77	81	80	80	76	62	54	70	76	82	86	86	79	63	72	72.5
	Minimum	25	32	39	25	31	44	62	52	42	30	31	42	42	39	50	50	32	40	43	43	67	42	37	64	45	49	49	49	28	27	43	41.0
Berea	Maximum	65	63	58	58	74	71	77	74	68	59	71	66	69	60	78	70	74	74	...	83	79	53	65	65	77	77	85	82	65	56	67	68	*68.9
	Minimum	35	51	34	23	49	57	62	61	38	29	35	55	48	45	49	45	35	45	...	65	47	40	41	38	53	45	63	65	34	25	37	39	*45.1
Farmers	Maximum	65	60	60	51	73	74	76	76	72	56	69	68	75	65	78	78	70	69	75	84	75	66	62	65	74	74	83	69	46	66	66	69.6
	Minimum	26	36	39	30	36	53	53	54	40	25	31	42	47	36	46	46	37	37	42	65	65	41	30	52	45	54	60	34	27	28	41	41.9
Maysville	Maximum	62	66	53	49	71	63	75	75	70	55	70	64	66	60	75	71	70	68	80	82	74	63	65	63	73	83	82	65	49	65	62	67.4
	Minimum	32	47	37	29	38	54	54	57	42	29	37	47	41	46	46	46	36	42	47	68	61	40	30	54	44	54	61	36	26	32	42	43.7
Middlesboro	Maximum	65	66	66	56	69	72	77	76	70	70	69	70	73	68	77	75	74	80	77	83	85	72	58	57	76	82	82	76	55	65	64	71.1
	Minimum	26	36	46	26	33	54	61	55	49	30	32	50	39	41	49	54	35	45	47	61	67	49	47	49	50	60	62	36	28	33	50	45.2
Mount Sterling	Maximum	63	66	52	63	61	72	77	75	65	55	72	67	67	61	77	72	72	70	79	82	78	49	63	63	75	82	81	65	48	69	59	69.7
	Minimum	32	44	33	33	26	40	59	58	34	21	43	54	58	42	42	40	36	41	50	56	47	40	32	49	58	60	59	32	33	32	35	41.7
Richmond	Maximum	64	61	61	55	73	65	76	75	70	61	70	66	70	73	79	77	73	76	80	84	80	65	65	62	77	83	81	74	56	68	64	70.5
	Minimum	35	50	38	26	44	56	59	61	41	30	43	55	46	46	49	47	40	44	56	56	56	42	35	54	47	61	64	35	25	35	41	45.8
Williamsburg	Maximum	68	72	65	57	75	78	79	75	69	62	69	71	71	65	81	76	76	77	79	85	85	68	61	64	78	82	85	77	54	65	64	71.9
	Minimum	29	42	46	26	39	55	63	62	44	31	39	51	40	45	49	55	38	48	53	68	67	45	46	54	48	58	59	36	29	39	46	46.7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * etc. indicate respectively 1, 2, 3, etc., days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., APRIL, 1921. No. 4

GENERAL SUMMARY.

Although the temperature averaged above normal and precipitation near normal, the month was decidedly unfavorable for farm work and for growth of vegetation. Frequent periods of cold weather, with heavy frosts and freezes, checked plant growth and caused further damage to fruit; while rains at short intervals prevented seasonal progress with soil preparation and spring planting. The month began with temperature near freezing, followed by several days of warm weather that caused the later fruit blossoms to open. A severe freeze on the 11th practically completed the destruction of the early fruit and caused some injury to the earliest wheat, which was jointing at this time. Killing frosts and freezing temperature, the last of the season, also occurred in the period 17-19th, damaging wheat and strawberries. Temperatures were favorable during the last decade, but frequent rains interfered with outdoor work and little progress was made with plowing and planting corn. The cold, wet weather retarded the growth of wheat, and promoted the formation of rust in some localities; but the vigorous condition of this crop at the beginning of April carried it through the unfavorable weather without serious damage, and the crop was still ahead of the season at the end of the month. Much difficulty was experienced in sowing oats and planting potatoes because of wet soil, some of this work being delayed from two to three weeks. Potatoes were slow in coming up, and suffered only slight damage from frost. Conditions were especially unfavorable for gardening. Early vegetables that grow at moderately low temperatures matured fairly well, but the principal garden plants that require more warmth for their development showed poor stands and made little progress. Pastures and meadows continued in luxuriant condition.

TEMPERATURE.

The temperature for the month, 42 stations reporting, averaged 58.2°, which is 2.3° above normal. Minimum temperatures near freezing were registered in the periods 1st-2d; 10-12th; 17-19th; and 30th. On the 11th they ranged from 22° to 31°, and on the 18th from 27° to 34° generally over the State. Maximum temperatures of 80° or above occurred in the periods 4-7th, 15th, and 23d-26th. The highest for the month was 90° at Ages, Harlan County on the 26th and at Beattyville on the 25th; and the lowest 22° at Shelbyville on the 11th.

PRECIPITATION.

The average precipitation, based on the reports of 58 stations, was 4.09 inches, which is 0.15 inch above normal. The distribution over the State was quite uniform. In general, precipitation was heaviest in the northern and extreme western counties, ranging from four to five inches; and lightest in the south-central and eastern district, where it ranged from three to four inches. Moderate to heavy rains occurred in the periods 7-9th and 14-17th, and showers in the periods 21st-22d, and 26-29th. After the 7th there were only two days without measurable precipitation in some part of the State. Amounts at the various stations ranged between 2.21 inches at Richmond and 5.59 inches at Bowling Green. Snow flurries occurred on the 10th and 17th. Thunderstorms were reported on the 8th, 9th, 15th, 16th, 22d, 25th, and 26th. They were attended by hail in some localities on the 9th, 16th, and 26th.

MISCELLANEOUS

April 8.—Hail caused some damage to fruit blossoms and early crops in Jefferson County.

April 26.—A windstorm caused damage estimated at $20,000 to buildings at Smithland, and hail accompanying this storm damaged crops in Livingston County. A severe storm of wind

(Continued on next page.)

PRESSURE AND WIND.

Stations		Atmospheric Pressure in inches reduced to sea-level: Average	Highest	Date	Lowest	Date	Wind: Total movement	Mean velocity per hour	Highest velocity per hour*	Direction	Date
Cairo	Ill	30.03	30.54	11	29.47	22	6849	9.5	42	S	10
Cincinnati	Ohio	30.06	30.52	11	29.46	22	5576	8.0	34	S	10
Evansville	Ind	30.05	30.54	11	29.46	22	6695	12.5	42	SW	21
Lexington	Ky	30.07	30.54	11	29.50	22	10480	14.6	56	S	24
Louisville	Ky	30.06	30.54	11	29.47	22	9067	12.6	58	S	26

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations		Relative Humidity: 7 A. M.	7 P. M.	7 P. M.	Sunshine: Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with: 80 per cent or more.	20 per cent or less.
Cairo	Ill.	76	54	84	288.7	394.8	73	16	2
Cincinnati	Ohio	72	51	68	267.0	397.4	67	13	4
Evansville	Ind	69	48	86	286.3	396.1	72	16	2
Lexington	Ky	79	56		241.4	396.1	61	12	5
Louisville	Ky.	72	53	69	291.7	396.1	83	15	6

COMPARATIVE DATA FOR APRIL.

Year	Temperature: Monthly average	Departure from 30-year normal	Highest	Lowest	Precipitation: Monthly average	Departure from 30-year normal	No. of days with .01 or more rain
1892	57.0	-1.1	89	24	1.61	-2.36	
1893	57.0	-1.1	92	28	4.04	+0.03	
1894	58.6	+0.5	91	27	5.52	+1.42	
1895	56.0	+0.1	88	32	7.12	+3.18	
1896	58.0	+2.1	94	21	6.99	+3.05	
1897	56.0	-0.1	94	23	3.54	-0.40	
1898	56.2	-1.3	94	22	3.18	-0.76	4
1899	63.6	+7.1	96	24	6.65	+2.70	9
1900	55.5	-0.4	90	25	6.03	+2.09	11
1901	52.4	-2.5	86	10	3.38	-0.56	9
1902	57.2	-1.5	96	20	3.16	-0.78	4
1903	56.2	-0.3	90	15	2.15	-1.79	5
1904	59.2	+5.0	94	25	4.61	+0.67	10
1905	54.2	-1.7	85	22	2.65	-1.29	9
1906	55.1	-0.5	90	22	4.43	+0.49	12
1907	50.5	-5.1	84	16	2.83	-1.11	11
1908	56.7	-0.3	94	23	5.09	+0.94	8
1909	59.5	+3.1	94	29	5.40	+2.94	8
1910	48.4	-7.7	87	19	2.78	-1.16	11
1911	59.8	+3.9	89	23	6.16	+2.62	14
1912	56.1	-0.2	86	24	5.98	+2.84	20
1913	54.1	-2.5	88	20	3.11	-0.03	14
1914	52.8	-3.1	90	20	1.96	-1.18	8
1915	58.4	-2.2	95	25	7.09	+3.96	12
1916	55.3	-.6	85	27	2.72	-1.21	15
1917	55.1	-0.2	94	12	3.02	-0.92	10
1918	60.7	+4.5	91	17	0.96	-2.98	5
1919	54.7	-1.9	88	23	2.84	-1.30	8
1920	55.8	-0.1	96	19	3.02	-1.08	8
1921	58.2	+2.3	90	22	4.09	-0.15	10

Climatological Data for April, 1921.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Western Division.																				
Beaver Dam	Ohio	441	17	59.4	+ 4.0	88	25	26	11	40	4.15	+0.04	1.10	0	8	21	4	5	s.	Miss Addie B. Taylor
Brandville	Ballard	445	39	58.3	+ 0.9	83	25	31	11†	30	4 82	+0.29	1.39	T.	10	9	12	9	se.	E. W. Horr.
Calhoun	McLean	457	18	60.3	+ 2.3	87	25	30	11	45	4.95	+0.47	1.39	T.	10	8	12	10	sw.	W. A. Taylor.
Darlington	Hopkins	420	30	59.1	+ 1.8	87	25	26	11	41	4.08	−0.29	1.45	0	9	18	2	10	s.	Brick Southworth.
Greenville	Muhlenburg	519	4	[58] 4		87[b]	25	27[b]	11	38[b]	3.72		0.97	0	11	10[a]	13[a]	5[a]	s.	C. R. Lovell.
Henderson	Henderson	327	12								3.95	+0.52	1.25	0	9				s.	W. W. Shelby.
Hopkinsville	Christian	524	24	59.4	+ 2.9	89	25	25	11	43	4.12	−0.23	0.81	0	11	12	8	10	s.	W. E. Graves.
Marion	Crittenden	571	22	58.4	+ 1.1	87	24	29	11	29	3.71	−0.87	0.90	0	6	13	9	8	s.	B. C. Paris.
Mayfield	Graves	364	10	60.2	+ 3.0	85	25	31	1†	40	5.04	+0.90	1.15	0	12	18	6	6	se.	N. E. Douthit.
Owensboro	Daviess	479	24	58.1	+ 2.9	85	25	29	11	33	4.32	+0.22	1.60	0	10	15	8	7	sw.	Henry S. Berry.
Paducah (Lone Oak)	McCracken	516	4					31	11					0		13	8	9	s.	
Paducah	McCracken	311	32								4.92	+0.59	1.03	0	10					Frank L. Brown.
Princeton	Caldwell	529	10	58.8	+ 0.6	87	25	28	11	42	4.89	−0.89	1.25	T.	9	15	9	6	s.	Dr. W. L. Cash.
Russellville	Logan	590	8	[57.4]	− 0.4	86[a]	7	28[a]	11	36	3.25	−1.78	1.08	0	9	16[a]	4[a]	9[a]	s.	E. C. Shelton.
Central Division.																				
Alton	Clinton	811	26								3.27	−2.00	1.90	0	5	10	9	11	sw.	Frank Hicks.
Ancorage	Jefferson	700	20	57.1	+ 3.9	87	25	24	11	39	4.07	+0.07	1.15	T.	9	18	4	8	sw.	C. E. Barret.
Bardstown	Nelson	637	24	58.7	+ 3.4	86	25	27	11	36	3.92	+0.05	1.62	0	9	13	3	14	s.	Chas. M. Talbott.
Bowling Green	Warren	500	30	60.3	+ 2.2	88	25	30	11	42	5.59	+1.33	1.40	0	10	14	6	10	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	3								5.10		1.19	0	11					James H. Young.
Burkesville	Pulaski	773	28								3.83	−0.37	1.26	0	10					F. E. Bradshaw.
Burnside	Pulaski	736	0	57.1		88	25	28	11	33	5.09		1.38	0	13	7	9	14		Signal Corps, U. S. A.
Camp Knox	Hardin																			
Carrollton Lock No.1	Carroll	492	21								5.19	+2.01	1.08	0	16					Charlie Oliver.
Cloverport	Breckenridge	375	7								4.20		0.88	0	13					W. A. Cockerill.
Eubank	Pulaski	1177	26	57.8	+ 4.0	86	25	25	11	39	3.64	−0.41	0.80	0	9	10	10	10	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	27	58.3	+ 3.0	86	26	29	11	34	3.62	−0.11	1.00	T.	12	20	1	9	s.	Mrs. Amelia Wood
Franklin	Simpson	691	25	61.1	+ 2.0	85†	25	28	11	37	4.14	−0.47	1.41	0	7	16	9	5	s.	R. V. Hunt.
Glasgow	Barren	788	0	60.4		87	25†	29	11	39	4.30		1.00	0	7	19	8	3	sw.	G.E.Watkins.
Greensburg	Green	581	28	56.7	+ 1.5	89	24	25	11	42	3.68	−0.17	0.67	T.	14	12	6	12	se.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	18								4.22	+0.53	1.50	0	10					Miss Lulu Wood.
Irvington	Breckenridge	646	23	59.2	+ 3.7	85	25	30	11	31	3.56	−0.46	0.84	T.	10	15	6	9	sw.	W. J. Piggott.
Lancaster	Garrard	985	27	56.4	+ 1.9	86	25	24	11	40	4.01	+0.30	0.81	0.8	15	11	10	9	sw.	Prof. E. L. Grubbs.
Lawrenceburg	Anderson	525	25	58.3	+ 3.0	86	26	28	11	34	4.78	+0.70	1.77	0.6	6	15	10	5	s.	John E. Stone.
Leitchfield	Grayson	635	25	56.4	+ 1.0	79	24†	28	11	31	4.78	+0.70	1.77	0.0	6	15	10	5	s.	U. S. Weather Bureau.
Lexington	Fayette	980	33	57.5	+ 3.8	85	24	26	11	27	3.28	−0.06	0.92	0.1	14	11	9	10	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	48	59.0	+ 2.8	86	25	32	11	29	4.58	+0.51	1.26	T.	11	11	8	11	s.	U. S. Weather Bureau.
Louisville	Do (Cherokee Park)	534	11	57.8	+ 1.9	85	25	29	11	34	4.77	+0.49	0.97	T.	13	16	6	8	s.	Wm. I. Hunt.
St. John	Hardin	777	24	57.3	+ 2.9	84	25	27	11	36	4.89	+1.02	0.96	T.	8	19	6	5		Sisters of Loretto.
Scott	Kenton	960	23	57.5	+ 1.4	82	26	24	11	38	3.84	+0.66	0.84	T.	13	10	11	9	s.	E. B. Wilson.
Shelbyville	Shelby	825	31	56.0	+ 1.3	85	25	22	11	38	4.42	+0.70	1.00	T.	12	13	9	8	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	18	56.6	+ 2.2	84	25	27	11	35	4.05	−0.42	0.65	T.	13	15	4	11	sw.	E. D. Bourne.
Williamstown	Grant	943	18	56.6	+ 4.3	84	24†	23	11	35	3.93	+0.89	0.70	T.	13	15	7	8	w.	Mrs. E. S. Humlong.
Woodbury	Butler	533	3								3.50		0.91	0.0	10					J. C. Stinson.
Eastern Division.																				
Ages	Harlan	1250	0	[58.2]		90	26	29	11	41	3.56		1.92	T.	6	16	5	9		S. A. Driver.
Ashland	Boyd	531	3	59.4		88	24†	27	11	47	4.29		0.98	0	9	14	6	10	nw.	Forester Farley.
Beattyville	Lee	690	16	57.7	+ 3.8	90	25	23	11	48	4.19	−0.08	0.98	T.	11	12	11	7	w.	Mrs. Sabina E. Hall
Berea	Madison	1070	18	58.1	+ 2.7	87	24†	24	11	38	3.68	−0.01	1.75	T.	9	19	2	9	sw.	Prof. Chas. D. Lewis
Cynthiana	Harrison	684	3								3.50		1.55	T.	9					P. H. Rehoe.
Falmouth	Pendleton	600	32								4.11	+0.64	1.05	0	13	18	1	11	sw.	J. Y. Oldham.
Farmers	Rowan	668	13	54.0	− 0.4	81	7	25	12	41	3.43	−0.57	0.84	T.	7	12	11	7	se.	Mrs. Alice Phelps.
Jackson	Breathitt	776	9	[60.0]		89[a]	25	24[f]	11	44[f]	2.81	−0.70	2.04	T.	7	14[a]	5[a]	10[a]	nw.	Nick Kelly.
Lancaster	Garrard	1196	6								3.82		1.00	0	6					C. R. Lee.
Lewisburg	Lawrence	584	15								3.92	+0.70	0.79	0	9					T. D. Snyder.
Louisa	Lawrence	538	23	57.8	+ 4.2	83	7†	26	11	35	4.13	+0.70	0.92	0	13	10	11	9	w.	Harry M. Robinson.
Maysville	Mason	524	23	57.8	+ 4.2	83	7†	26	11	35	4.13	+0.70	0.92	0	13	10	11	9	w.	Harry M. Robinson.
Middlesboro	Bell	1128	23	58.0	+ 1.8	87	25†	25	12	44	4.76	−0.03	2.85	0	10	17	12	1		B. H. Perkins
Mount Sterling	Montgomery	930	31	56.8	+ 3.2	89	25	24	11	41	4.01	+0.09	0.72	T.	10	17	6	7	w.	W. R. McKee.
Olympia	Greenup	540	1								2.98		0.70	0	8					W. C. Rash.
Pineville	Pike	631	15								4 12	+0.51	1.18	0	10					I. M. Williams.
Richmond	Madison	926	26	59.8	+ 0.3	88	25	26	11	34	2.21	−1.40	0.74	0	9	21	3	6		J. W. Crooke.
Vanceburg	Lewis	525	4								3.12		0.74	0	11					Samuel Johnson.
Williamsburg	Whitley	929	23	57.5	+ 1.8	86	26[b]	28	11	42	5.05	+0.65	1.40	T.	11	12	13	5	s.	D. B. Bradley.
State averages and extremes				[58.2]	+ 2.3	90	25†	22	11	47	4.09	+0.15	2.85	T.	10	15	7	8		

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, [a], [b], etc., appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. [a] Received too late to be included in means and summaries.
T. Precipitation is less than 0.01 inch rain or melted snow.
* Post office address, Covington, Ky.

and hail damaged buildings, wire systems, fences, trees, and tobacco plantbeds in Barren, Cumberland and Monroe counties. A barn was partly destroyed by lightning near Georgetown.

Rivers.—The Ohio River approached the flood stage at Evansville near the beginning of the month, but it soon declined to moderate stages that continued until the end of the month. Green River was near flood stage at Woodbury on the 3d and at Rumsey on the 4th, and was also moderately high on the 19th and 20th.

Daily Precipitation for April, 1921.

Stations	Day of month.																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam ..... G						1.10		.60	.50							.60	.25				.25	.40					.45					
Blandville ..... M							.12	.29					.10	.59	.06	1.33	T				.05	.52			1.20		.35					
Calhoun ..... G							T	1.39	.34					.17		.71	.48				.58	.54			.65	.87	.05					
Earlington ..... G							T.	1.45	.78					.12		.78	.24				.16		.18			.34		.09				
Greenville ..... G							.02	.75	.32					.19		.97	.41				.22	.28				.56	.01	.05				
Henderson ..... O								.90	.30					.30		1.25						.30	.05		.20	.14		.15				
Hopkinsville C							.12	.61	.62					.12		.81	.56				.17	.39			.22	.17		.30				
Marion ..... O							T.	.90						.35	.75	.34					T	.57		.80								
Mayfield ..... M							.90	.11	.23					.27		1.15	.15				.10	.04			1.14	.18	.25	.50				
Owensboro ..... O							.10	1.60	.54					.20		.30	.14				.16	.25				.13	.06	T				
Paducah ..... O							T.	.34	.20				1.00			1.03	.30					.48	.08		.20	.75		.18				
Princeton ..... G							.05	1.25					T.	.25	T.	1.23	.07				.27	.28			1.23		.20					
Russellville ..... G								.55						.04		1.08	.60				.03	.18	.33			.39		.07				
Central Division.																																
Alpha C																1.90	.10					.53			.42	.32		T				
Anchorage ..... O							T.	1.15	.15	T.				.18		.34	.64				.54	.06			T.	.08	.33	T.				
Bardstown ..... S								1.02	.43					.21		.70	.59				.18	.36					.40		.03			
Bowling Green ..... G							1.40	.70	1.01					.03		1.35	.45				.05		.10				.15		.05			
Brownsville ..... G	.09							.69	.98					.07		1.19	.63				.09	.15	.50			.65		.06				
Burnside C	1.16								.42		.03				.16	1.26	.08	T.				.03	.56			.05	.04		T				
Camp Knox* ..... O								.67	.36					.08	.07	.38	.47	.50			.49	.15	.50			.56	.82	T	.04				
Carrollton ‡ (Lock No. 1) ..... O	.17							.03	1.08		.09			.14	.20	.14	.82		.04		.28	.14	.68		.60		.53		.14	.11		
Cloverport ..... O	.02							.50	.55					.11	.06	.61	.24	.01			.56	.23	.23				.88		.20			
Eubank C	.17								.25						.30	.60	.40	.80					.47			.55	.10					
Frankfort ..... K	.20								1.00	T	.02			.01	T	.39	.71	.02			.25	.04	.32			T	.60		.66	T		
Franklin ..... G								1.41	.18							1.10	.50					.50				.15		.30				
Glasgow ..... G								.85	.35							1.00	.75					.35				.65	.35					
Greensburg ..... G	.05							.64	.31					.05		.67	.47	.12			.01	.07	.61			.31	.19		.15	.02		
High Bridge ..... K	.48								.96		.05					.25	.39					.06	.48				1.50		.03	.02		
Irvington ..... O								.84	.43	T.				.09		.52	.16	.05			.53	.42				.15	.37	T	T.			
Junction City ..... K								.32	.29	.08		.05		.12	.05	.63	.20	.02				.77			.24	.81	.28	.05		.10		
Leitchfield ..... G								1.45								1.77					.40	.50				.60		.06				
Lexington *** ..... K								.90	.02	.01	.01			.03		.44	.09				.43	.40			.54	.55	.08	.05	.12			
Louisville*** ..... O							T.	1.15		T		.03		.14		.72	.02				.29	.91			T.	1.08	.18	.02	.04			
Do. (Cherokee Park) ..... O							T.	.67	.97	T.			.07	.31		.44	.47				.63	.50	.08		T.		.57	.03	.05	.04		
St. John ..... S								.52	.69	T.				T.		.70	.60				.48	.52				.96	.42		T.			
Scott L								.36	.84	.02				.21		.12	.59	.01			.34	.15	.47		T.	.10	.41		.22			
Shelbyville ..... S								.58	.45	T				.08		1.00	.41				.84	.15	.25		T	.25	.15	.12	.14			
Taylorsville ..... S							T.	.65	.52	T.	T.			.08		.60	.55	.04			.89	.50	.17		T.	.15	.28	.10	.02			
Williamstown L								.38	.40	.04	T.			.06	.08	.30	.62	T			.25	.12	.38			.50	.70		.16			
Woodbury ..... G	T.							.62	.68					T.	.10	.91	.27				.16	.21	.20				.30		.05			
Eastern Division.																																
Ages ..... K									T.		.33					1.92	.04					.40	.49				.38					
Ashland ..... O	.93								.52						.98	.12	.32	.09					.07				.35		.28			
Beattyville ..... K	.98								.22	T.	.03			T.	.58	.98	.32	.06					.27			.31	.42		.02	T.		
Berea ..... K								1.75		T.				.15	.30	.56						.12	.36		.06	.28		.10				
Cynthiana ‡ L	.35								1.00		.05	T.	T.		T.	.15	.10				.05	T.	.15			.10	1.55	T				
Falmouth L	.25								1.05						.12	.35	.41	.02			.23	.07	.38			.02	1.02		.15	.04		
Farmers L	.80								.62		T.		T.		.10	.40	.20					T.	T.			.84	.47					
Jackson ..... K								.13	T.	T.	T.			.02	.08	2.04	.21	T				T.	.21			T.	.12		T.			
London ‡ C	.95								.25		.09					1.00	.60						.53				.53					
Louisa ..... B	.79								.21						.66	.43	.79					.09					.41		.47	.07		
Maysville ..... O	.35								.92					.08	.07	.30	.58	.07			.10	.17	.30			.78	.35		.06	T.		
Middlesboro C										.23				.39	.04	2.85		.05				.42	.30			.05	.35		.08			
Mount Sterling L								.51	.22	T.	T.		T.	T.		.68	.16				T.	.07	.45		.72	.53	.61	T.	.06			
Oliver ..... O	.70								.62						.02	.28	.33						.18				.69		.10			
Pikeville ‡ ..... B	1.18								.22	.08					.28	.52	1.18	T	T				.12	.08			.18					
Richmond ..... K							.10	.15	T.					T.	.33	.74	.04					T.			.15	.51	.14		.05			
Vanceburg ‡ ..... O	.53								.74					.05	.62	.30		.38			.02	.24				.35	.44			.05		
Williamsburg ‡ C	.90								.06		T.				.50	1.40	1.03	.05				T.	.49			.15	.21	.21	.65			

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

; Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy. (L) Licking. (K) Kentucky. (S) Salt. (G) Green. (C) Cumberland. (T) Tennessee; (O) Ohio; (M) Mississippi.

*Precipitation for 24 hours ending at 3 p. m.

Daily Temperatures for April, 1921.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	61	74	76	80	82	84	79	79	76	56	59	71	74	76	85	72	65	59	67	75	68	73	82	85	88	85	80	73	77	61	..	74.1
	Minimum	31	35	38	45	48	50	61	60	46	33	26	34	34	54	47	50	35	31	33	43	54	54	45	59	67	62	47	41	41	37	..	44.7
Bowlingville	Maximum	59	70	72	81	78	80	73	76	61	49	55	66	65	69	78	75	45	57	67	66	64	66	56	52	61	68	55	45	49	44	..	68.4
	Minimum	34	42	47	52	58	63	61	55	41	36	31	39	50	52	53	45	34	31	43	46	58	56	52	61	68	55	45	39	44	44	..	48.2
Calhoun	Maximum	62	74	78	80	80	81	76	77	73	50	59	71	72	74	84	75	70	62	72	73	67	71	82	84	87	85	74	68	63	67	..	73.0
	Minimum	33	37	39	35	50	50	59	60	46	36	34	46	55	48	60	35	31	44	43	56	57	50	61	69	63	65	46	48	42	46	..	47.6
Darlington	Maximum	64	75	77	79	79	81	77	76	73	49	55	70	72	74	82	76	57	59	69	73	68	70	81	85	87	81	71	68	64	67	..	72.0
	Minimum	31	35	38	46	52	54	63	60	45	35	26	34	44	55	46	57	35	31	38	47	56	57	45	63	63	63	60	46	42	46	37	46.2
Greenville	Maximum	60	66	..	69	79	80	77	77	73	49	56	69	71	70	82	82	68	59	68	71	68	72	80	..	87	83	78	78	65	67	..	71.6
	Minimum	32	36	..	40	49	52	60	59	43	33	27	31	42	54	46	55	33	31	39	42	55	56	46	..	60	60	45	56	44	55	..	45.2
Hopkinsville	Maximum	63	75	78	81	81	83	77	78	73	54	59	72	73	77	83	76	59	64	73	74	68	71	83	86	89	83	72	70	65	70	..	73.9
	Minimum	33	37	41	49	53	59	60	44	32	25	33	44	54	44	58	33	31	36	41	56	56	45	55	65	62	45	42	46	37	..	..	45.0
Marion	Maximum	59	72	75	78	79	80	78	75	58	48	57	68	69	67	68	69	50	60	67	69	66	66	77	87	83	76	68	66	62	65	..	68.7
	Minimum	30	30	34	38	39	40	38	35	34	46	29	42	45	54	56	50	33	31	41	49	57	56	48	62	58	62	45	50	45	42	..	48.1
Mayfield	Maximum	34	44	47	55	55	57	62	58	42	34	39	42	45	54	56	50	33	31	41	49	57	56	48	62	58	62	45	50	45	42	..	72.2
	Minimum	34	35	38	45	51	56	61	61	60	45	35	31	38	50	58	51	59	34	32	40	46	56	57	49	60	67	59	41	49	44	41	48.2
Owensboro	Maximum	59	70	75	78	78	78	74	78	63	47	60	68	70	70	81	73	46	60	68	71	68	71	77	81	85	80	67	66	62	66	..	69.7
	Minimum	35	40	44	50	54	54	61	60	43	35	29	35	41	51	49	45	35	32	38	45	56	57	45	54	65	62	48	46	47	46	..	46.5
Paducah (Lone Oak)	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	35	36	46	50	56	58	62	60	46	36	31	41	42	50	53	53	34	32	38	42	55	57	51	53	63	64	46	50	44	44	..	47.5
Princeton	Maximum	62	73	79	82	82	84	76	78	63	50	59	72	71	73	84	76	59	61	70	73	66	69	80	85	87	79	71	68	65	70	..	72.3
	Minimum	34	33	37	44	53	54	60	60	44	33	28	32	47	54	46	59	33	29	34	40	55	56	44	56	64	59	44	43	45	36	..	45.2
Russellville§§	Maximum	61	68	75	77	78	80	76	75	63	48	56	70	72	72	80	68	39	57	67	72	67	69	..	81	85	82	69	71	62	65	..	*66.5
	Minimum	34	36	39	44	54	54	60	60	47	33	28	35	42	52	48	60	35	32	39	43	55	56	47	..	49	63	47	44	45	36	..	*45.4
Central Division																																	
Alpha	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	57	70	76	80	80	81	79	72	60	40	54	67	71	71	80	71	64	59	69	71	68	68	73	84	87	83	68	67	62	64	..	70.2
Anchorage	Maximum	50	68	72	77	78	80	77	76	57	38	51	64	67	68	77	68	60	57	60	65	59	58	57	46	52	62	60	50	40	43	35	44.0
	Minimum	30	33	38	41	46	47	57	57	38	31	24	31	40	51	50	35	29	34	39	58	57	46	52	62	60	50	40	43	35	..	..	71.3
Bardstown	Maximum	60	70	77	83	82	82	80	71	70	47	53	68	73	73	80	72	65	58	67	72	67	70	74	84	86	84	68	73	68	65	..	74.5
	Minimum	35	34	44	45	48	50	54	61	45	33	27	32	45	55	51	61	35	31	36	42	55	56	47	53	64	65	52	42	46	39	..	46.1
Bowling Green	Maximum	64	74	78	83	85	86	88	74	54	60	72	75	74	85	76	65	59	73	75	67	73	80	86	88	85	85	76	74	66	68	..	74.6
	Minimum	34	36	37	39	46	50	56	60	48	34	30	32	45	56	52	69	35	33	42	42	57	56	52	47	55	56	41	45	46	40	..	46.1
Camp Knox	Maximum	58	67	73	77	78	78	71	61	42	54	66	69	68	77	69	49	56	68	69	66	70	74	80	88	81	68	68	59	64	..	..	68.2
	Minimum	35	37	43	46	47	51	56	60	38	35	28	33	47	52	49	49	36	33	39	43	53	51	47	58	65	64	54	43	49	42	..	46.0
Danville	Maximum	58	69	76	78	80	82	82	71	63	52	51	68	68	72	79	76	61	54	66	74	73	74	75	85	86	83	69	70	64	66	..	70.8
	Minimum	29	32	37	43	47	56	53	60	51	31	25	29	35	50	55	59	34	32	32	36	57	56	49	57	64	63	53	41	42	34	..	44.7
Evansville	Maximum	55	67	73	77	78	80	79	77	67	52	51	65	72	71	78	77	69	55	65	72	70	70	72	84	85	86	67	71	69	62	..	70.5
	Minimum	33	34	41	43	46	47	51	61	56	34	29	32	45	56	52	62	37	34	35	40	56	57	50	51	59	64	54	44	46	39	..	46.1
Frankfort	Maximum	63	72	76	81	83	84	81	79	81	50	61	73	75	74	82	80	67	59	69	72	67	71	80	82	85	85	77	72	71	67	..	74.0
	Minimum	36	41	45	50	52	55	62	60	47	33	28	36	47	58	55	59	35	32	41	44	56	56	50	56	66	64	48	44	48	42	..	48.2
Franklin	Maximum	62	71	79	83	83	84	82	74	72	54	56	71	75	70	84	73	66	58	70	74	69	72	72	85	87	87	78	72	63	66	..	73.1
	Minimum	34	33	40	46	48	49	55	61	56	42	29	32	48	57	57	60	36	35	38	41	59	58	46	56	65	66	51	43	49	57	..	47.7
Glasgow	Maximum	67	68	75	78	79	81	80	71	67	50	54	68	73	74	81	73	66	58	68	73	70	71	75	89	87	85	68	71	62	64	..	70.4
	Minimum	29	29	35	39	42	45	49	58	48	31	25	26	39	56	58	59	34	31	34	35	51	56	44	50	59	61	50	39	45	34	..	43.0
Greensburg	Maximum	55	68	74	77	78	80	77	84	68	42	54	64	69	71	76	72	66	58	66	71	68	70	73	81	85	82	72	70	62	69	..	70.2
	Minimum	36	36	44	51	54	53	61	61	41	34	30	39	47	56	52	62	35	32	42	46	55	56	47	50	68	67	48	45	49	39	..	48.3
Irvington	Maximum	66	76	78	79	80	79	80	73	49	52	67	71	65	79	70	62	55	67	71	68	66	73	85	86	86	68	70	56	63	..	..	69.6
	Minimum	36	36	44	51	54	53	61	61	41	34	30	39	47	56	52	62	35	32	42	46	55	56	47	50	68	67	48	45	49	39	..	48.3
Lagrange	Maximum	56	70	74	78	79	80	79	80	63	49	52	67	71	65	79	70	62	55	67	71	68	66	73	85	86	86	68	70	56	63	..	69.6
	Minimum	32	30	37	39	37	46	45	57	50	32	24	27	47	55	52	60	37	33	32	36	58	47	48	48	64	59	52	40	43	35	..	43.3
Lebanon	Maximum	65	72	74	78	78	76	71	66	43	53	65	65	67	77	70	64	55	59	65	65	62	70	79	79	76	70	62	58	62	..	..	66.7
	Minimum	34	35	41	45	49	50	57	60	43	33	28	34	44	50	50	60	34	31	42	43	54	53	45	53	67	65	49	43	48	40	..	46.2
Lexington	Maximum	58	69	75	78	79	76	66	59	38	48	63	70	68	78	69	55	52	63	70	67	66	69	85	85	78	67	68	54	58	..	..	66.6
	Minimum	32	34	39	43	47	51	53	61	38	32	24	33	48	53	51	60	36	31	36	44	53	55	51	51	62	64	52	40	45	39	..	46.0
Louisville	Maximum	54	68	74	79	80	80	76	71	60	43	53	67	70	69	78	70	48	59	69	70	67	70	74	84	86	82	67	70	59	63	..	68.7
	Minimum	33	41	51	53	55	57	60	55	35	34	32	38	54	55	55	48	36	33	46	50	58	54	50	64	69	64	51	49	49	46	..	49.4
Louisville	Maximum	57	69	75	78	80	80	76	71	60	40	53	67	70	69	78	70	48	59	69	70	67	70	74	84	86	82	67	70	59	63	..	68.8
	Minimum	32	41	51	53	55	57	60	55	35	34	32	38	54	55	55	48	36	33	46	50	58	54	50	64	69	64	51	49	49	46	..	49.4
Mt. Cherokee Park	Maximum	56	70	76	78	79	79	76	70	66	44	54	66	70	70	77	70	44	59	69	70	68	70	73	83	85	80	68	68	59	63	..	68.8
	Minimum	35	37	42	48	48	49	55	61	44	34	29	34	48	55	49	61	36	32	39	45	55	57	50	54	65	63	52	44	47	41	..	46.8
Mt. Sterling	Maximum	60	69	69	77	78	80	78	70	66	41	52	66	65	70	79	71	61	59	69	71	65	70	75	80	84	79	69	70	73	67	..	69.2
	Minimum	35	33	40	45	47	48	54	59	40	32	27	32	43	55	46	58	35	32	37	42	54	54	46	53	64	61	50	42	47	38	..	45.4
St. John	Maximum	64	68	74	79	80	80	78	71	64	40	55	63	70	68	78	69	64	69	69	69	68	68	69	81	75	82	66	72	55	61	..	69.0
	Minimum	31	38	45	47	47	51	53	61	38	32	24	33	48	53	51	60	36	31	36	44	53	55	51	51	62	64	52	40	45	39	..	46.0
Salt	Maximum	57	70	76	79	81	82	80	72	66	41	54	64	70	71	81	70	59	57	69	71	67	68	72	82	85	83	67	70	60	64	..	69.6
	Minimum	29	32	40	44	50	49	52	57	37	29	22	29	42	51	46	52	32	27	32	39	56	52	44	66	58	60	48	39	46	38	..	42.3
Shelbyville	Maximum	56	68	72	76	78	75	70	65	44	51	66	70	71	77	70	65	56	65	70	68	70	73	82	85	83	67	70	59	62	..	..	68.6
	Minimum	33	33	39	41	45	45	50	60	43	34	27	31	44	56	48	61	37	32	33	39	56	51	46	58	58	53	42	46	39	..	..	44.6
Taylorsville	Maximum	54	66	74	82	80	82	77	76	63	44	51	66	70	71	77	70	65	63	64	70	67	68	68	84	84	82	68	69	57	59	..	68.6
Versailles	Minimum	30	36	44	47	50	50	52	59	39	30	22	33	47	52	51	58	34	30	36	42	52	53	49	51	59	60	51	42	44	36	..	44.7
Eastern Division																																	
Ages	Maximum	57	73	73	75	73	78	78	70	70	59	47	58	67	67	83	71	64	55	66	75	75	73	74	86	87	90	77	79	69	59	..	70.9
	Minimum	34	32	38	43	44	48	52	54	54	36	29	46	52	61	62	61	44	40	45	..	..	..	..	..	..	..	..	..	44	36	..	145.5
Ashland	Maximum	56	70	78	81	80	83	82	70	64	59	53	77	77	73	78	74	67	54	66	75	76	74	69	88	88	88	82	73	69	69	..	73.1
	Minimum	36	34	41	43	46	46	52	61	53	36	27	38	48	51	56	56	39	30	33	38	55	52	54	46	53	63	61	44	47	37	..	45.6
Beattyville	Maximum	56	74	83	85	86	88	74	68	57	53	70	77	71	83	70	64	54	66	75	73	72	74	77	87	86	89	78	76	67	61	..	73.6
	Minimum	33	41	35	39	40	42	47	33	52	36	23	27	38	51	55	51	37	35	31	38	53	53	47	57	58	56	56	41	45	36	..	41.8
Boyd	Maximum	56	69	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Bracken	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Farmers	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Flemingsburg	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Grayson	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Greenup	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Hazard	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Jackson	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Maysville	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Middlesboro	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Mount Sterling	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Olympian	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Owingsville	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Pikeville	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Richmond	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Somerset	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Williamsburg	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5
Winchester	Maximum	56	65	77	77	80	80	80	68	64	43	56	67	74	72	82	71	53	61	54	68	73	73	67	73	87	87	86	80	78	76	67	70.8
	Minimum	39	35	42	48	45	53	60	45	43	32	24	36	52	58	52	61	34	38	40	35	62	53	49	54	64	64	54	46	42	36	..	46.5

§§ Instruments are read in the morning

1.05
YHE

UNIVERSITY OF ILLINOIS LIBRARY
AUG 3 1921

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., MAY, 1921. No. 5

GENERAL SUMMARY.

Weather conditions during the first half of the month contrasted strikingly with those prevailing during the last half. Cloudy, showery weather was the rule during the first two weeks, and temperatures were below normal almost daily until the 17th. Conditions were decidedly unfavorable for outdoor work, wet soil preventing much progress with plowing and corn planting. Corn germinated poorly, producing an uneven stand, and much of it was planted over later in the month. The growth of wheat was checked somewhat, and rust appeared in a few localities; but on account of the advanced condition of this crop it continued to develop ahead of the season. Gardens were exceptionally backward, and the growth of tobacco plants was retarded by the low temperature. During the last two weeks fair weather and unseasonably high temperature prevailed, being the first period of favorable weather for outdoor work since March. Excellent progress was made with preparation of soil and other farm work, especially corn planting, which was nearly completed. This period of high temperature, by stimulating corn to quick germination and rapid growth, compensated in a measure for the delay in planting. Some tobacco was transplanted where local showers occurred in the central and eastern counties during the last week. In large districts, however, including most of the western counties, the moisture was not sufficient for tobacco setting. The high temperature hastened the maturity of wheat, which showed indications of premature ripening in the dry districts. Early potatoes also matured too rapidly, the straw of oats was shortened, and the strawberry crop was considerably reduced. Toward the end of the month the soil became dry and hard, causing preparation and planting to proceed with difficulty.

TEMPERATURE.

The temperature for the month, 41 stations reporting, averaged 65.9°, which is 0.3° above normal. Minimum temperatures near freezing occurred generally on the 1st, and only a few degrees above freezing at many stations on the 2d, 3d, 6th, and 7th. A sharp change to warmer occurred on the 18th, daily maxima during the last two weeks ranging from 85° to 95°. Mean daily temperatures during this period ranged generally from 5° to 13° above normal. The highest for the month was 97° at Shelbyville on the 24th and at Glasgow on the 28th; and the lowest 32° at Middlesboro on the 1st.

PRECIPITATION.

The average precipitation, based on the reports of 58 stations, was 2.45 inches, which is 1.50 inches less than normal. Rainfall was heaviest in the eastern mountain region, being in excess of five inches in the Big Sandy Valley. It decreased rapidly toward the west and southwest, the average amount over the agricultural portion of the State being only about half of the normal rainfall for May. In large areas, principally the south-central and southwestern counties, the Licking Valley and Blue Grass Region, and the southeast corner of the State, amounts ranged between one and two inches. Showers occurred in the period 1st-6th, and moderate to heavy rains from the 10th to 12th, showers continuing until the 14th. Moderate to heavy local showers also occurred from the 25th to 29th, mostly in the central and eastern counties. Amounts at the various stations ranged between 1.12 inches at Woodbury and 5.81 inches at Lounsa. Thunderstorms were frequent in the periods 10-13th and 25-28th, attended by hail on the 13th, 25th and 28th.

PRESSURE AND WIND.

Stations	Atmospheric Pressure (In inches reduced to sea-level) Average.	Highest.	Date.	Lowest.	Date.	Wind Total movement	Av. hourly velocity.	Max. Velocity.* Miles per hour	Direction.	Date.
Cairo ..... Ill.	30.01	30.39	16	29.52	10	5649	7.6	31	n.	19
Cincinnati ..... Ohio	30.02	30.32	21	29.65	11	4893	6.6	29	nw.	5
Evansville ..... Ind.	30.03	30.39	16	29.58	11	7281	9.8	36	n.	25
Lexington ..... Ky.	30.02	30.32	21	29.67	11	8078	12.1	40	nw.	25
Louisville ..... Ky.	30.03	30.30	16	29.59	11	8024	10.8	42	n.	5

*For any five minute period

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	77	47	54	349.5	439.0	80	20	3
Cincinnati ..... Ohio.	74	53	74	324.9	444.0	73	19	3
Evansville ..... Ind.	71	45	52	320.8	441.4	73	16	2
Lexington ..... Ky.	76	60	.....	285.3	441.4	65	12	3
Louisville ..... Ky.	71	59	60	275.3	441.4	62	13	3

COMPARATIVE DATA FOR MAY.

Year	Temperature. Monthly average.	Departure from 30-year normal	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal	No. of days with .01 or more fell
1889	63.6	- 2.0	94	28	4.03	+0.08	
1890	63.9	- 1.7	93	32	4.22	+0.27	
1891	62.6	- 3.0	90	29	1.78	-2.17	
1892	64.6	- 1.0	90	36	5.49	+1.54	
1893	63.2	- 2.4	96	37	5.59	+1.64	
1894	64.5	- 1.1	99	32	3.84	-0.41	
1895	63.9	- 1.7	99	29	3.16	-0.79	8
1896	72.2	+ 6.6	106	42	5.34	+1.39	13
1897	61.4	- 4.2	92	32	3.27	-0.68	10
1898	67.6	+ 2.0	93	31	4.52	+0.57	10
1899	68.8	+ 3.2	94	42	4.79	+0.84	11
1900	66.3	+ 0.7	96	29	3.49	-0.46	10
1901	63.7	- 1.9	97	34	2.65	-1.30	10
1902	70.0	+ 4.4	98	35	3.55	-0.40	9
1903	68.0	+ 2.4	98	29	3.09	-0.86	8
1904	65.0	- 0.6	98	35	3.05	-0.90	10
1905	68.0	+ 2.4	95	38	5.23	+1.28	11
1906	69.5	+ 3.9	95	31	2.54	-1.41	9
1907	61.3	- 4.3	93	30	5.07	+1.12	12
1908	66.7	+ 1.1	96	28	4.34	+0.39	12
1909	65.9	- 1.7	93	27	4.64	+0.69	12
1910	61.1	- 4.5	89	30	4.81	+0.86	12
1911	69.4	+ 3.8	105	29	2.46	-1.49	5
1912	66.7	+ 1.1	97	37	4.53	+0.58	10
1913	66.1	+ 0.5	99	29	2.92	-1.03	8
1914	66.5	+ 0.9	103	32	2.16	-1.79	5
1915	65.2	- 0.4	98	35	6.62	+2.67	18
1916	67.2	+ 1.6	98	33	4.02	+0.07	9
1917	58.9	- 6.7	92	30	3.43	-0.52	10
1918	69.4	+ 3.8	97	28	4.29	+0.34	8
1919	63.9	- 1.7	93	35	6.05	+2.10	14
1920	64.2	- 1.4	94	32	4.08	+0.13	11
1921	65.9	- 0.3	97	32	2.45	-1.50	8

Climatological Data for May, 1921.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	17	67.6	+ 1.7	96	24	39	1	41	2.70	−1.08	1.40	0	6	25	2	4	sw.	Miss Addie B. Taylor
Blandville	Ballard	445	39	67.9	+ 1.3	91	23†	41	3	31	1.98	−2.26	1.04	0	6	12	9	10	n.	E. W. Horr.
Calhoun	McLean	437	18	68.6	+ 1.2	95	24	41	3	38	2.84	−0.77	1.32	0	9	12	14	5	sw.	W. A. Taylor.
Earlington	Hopkins	420	30	67.1	− 0.1	95	23†	38	17	41	1.84	−2.87	0.85	0	7	25	1	5	s.	Brick Southworth.
Greenville	Muhlenburg	519	4	[a]66.0		92[b]	24†	38[b]	3	38[b]	2.78		1.38	0	8	14[b]	11[b]	4[b]	s.	C. R. Lovell.
Henderson	Henderson	327	12								2.54	−1.32	1.09	0	4					W. W. Shelby.
Hopkinsville	Christian	524	24	69.0	+ 1.4	96	24	40	3	41	1.94	−2.29	0.80	0	6	15	8	8	sw.	W. E. Graves.
Marion	Crittenden	571	22	67.8	+ 0.7	92	24†	39	3	31	2.77	−1.52	0.75	0	4	14	12	5	nw.	B. C. Paris.
Mayfield	Graves	364	10	67.5	+ 1.3	95	25	41	3	39	1.42	−2.93	0.60	0	5	24	4	3	w.	N. E. Douthit.
Owensboro	Daviess	479	24	67.0	+ 0.7	93	24†	40	3	40	1.56	−2.28	0.80	0	5	20	6	5	se.	Henry S. Berry.
Paducah(Lone Oak)	McCracken	516	4					41	3		1.74		0.80	0	4	22	7	2	sw.	
Paducah	McCracken	341	32								1.95	−1.86	0.70	0	7					Frank L. Brown.
Princeton	Caldwell	529	10	67.8	+ 0.2	94	31	40	3	39	1.83	−3.30	0.71	0	5	15	12	4	s.	Dr. W. L. Cash.
Russellville	Logan	590	8	66.6	+ 2.0	94	24†	39	3†	39	1.42	−3.10	0.72	0	6	21	5	5	s.	E. C. Shelton.
Central Division.																				
Alpha	Clinton	811	26								2.59	−1.29	0.82	0	5	17	6	8	w.	Frank Hicks.
Anchorage	Jefferson	700	20	64.4	+ 0.3	91	23†	33	1	43	2.71	−1.13	0.64	0	9	23	3	5	se.	C. E. Barret.
Bardstown	Nelson	637	24	67.5	− 1.3	93	23†	38	1	37	2.30	−1.23	1.16	0	8	17	1	13	s.	Chas. M. Talbott.
Bowling Green	Warren	500	30	68.8	+ 1.2	96	20†	42	1†	41	1.95	−2.30	0.50	0	7	20	7	4	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	3								1.56		0.98	0	5					James H. Young.
Burnside	Pulaski	773	28								2.32	−1.75	0.96	0	9					F. E. Bradshaw.
Camp Knox	Hardin	736	0	66.8		93	24	40	1†	35	2.19		1.36	0	7					Signal Corps, U. S. A.
Carrollton(Lock No.1)	Carroll	492	21								3.23	−0.81	1.16	0	10					Charlie Oliver.
Cloverport	Breckenridge	375	7								2.05		1.28	0	9					W. A. Cockerill.
Eubank	Pulaski	1177	26	64.1	− 0.1	90	23†	35	1	41	2.93	−1.02	1.10	0	9	10	9	12	nw.	Mrs. Katie Payne.
Frankfort	Simpson	560	27	65.4	+ 0.2	90	28†	38	1	35	2.44	−1.37	0.65	0	9	22	5	4	s.	Mrs. Amelia Wood
Franklin	Simpson	691	25	68.1	+ 1.1	94	24	40	3	37	1.44	−2.61	0.85	0	6	10	16	5	s.	B. Y. Hunt.
Glasgow	Barren	788	0	67.0		97	28	39	1	42						21	6	4	w.	G.E.Watkins.
Greensburg	Green	581	28	63.4	− 1.5	90	24†	34	1	43	1.63	−2.66	0.46	0	9	12	9	10	n.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	18								3.06	−0.79	0.86	0	8					Miss Lulu Wood.
Irvington	Breckenridge	646	23	66.2	− 0.1	90	24	41	1†	31	1.55	−1.86	0.73	0	3	21	4	6	sw.	W. J. Pigrott.
Junction City	Boyle	985	27	64.5	0.0	89	23†	36	1	42	2.78	−0.97	0.68	0	11	14	4	13	s.	Prof. E. L. Grubbs.
Leitchfield	Grayson	635	25	65.2	− 0.3	90	23†	41	3	34	2.16	−1.84	1.18	0	5	17	10	4	sw.	John E. Stone.
Lexington	Fayette	989	33	64.9	+ 0.6	87	31	39	1	30	1.60	−1.92	0.70	0	10	13	7	11	sw.	U. S. Weather Bureau.
LOUISVILLE	Jefferson	534	11	64.6	− 1.1	88	24	40	3	33	1.85	−2.03	0.65	0	8	20	5	6	s.	U. S. Weather Bureau
Do.(Cherokee Park)	Do.																			Wm. I. Hunt.
St. John	Hardin	777	24	65.8	+ 1.1	93	23†	38	1	34	2.89	−1.09	1.58	0	6	23	2	6		Sisters of Loretto
Scott¶	Kenton	900	23	64.5	+ 0.7	90	24	37	1	36	2.50	−1.56	1.10	0	11	14	11	6	s.	E. B. Wilson.
Shelbyville	Shelby	825	31	64.1	− 0.9	97	24	35	1†	40	2.46	−1.66	0.80	0	5	17	7	7	n.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	18	64.6	+ 0.1	91	24	38	1	38	3.12	−0.46	0.83	0	11	17	5	9	ne.	E. D. Bourne.
Williamstown	Grant	943	18	64.1	+ 1.0	90	24	35	1	33	2.27	−1.28	1.21	0	8	17	8	6	nw.	Mrs. E. S. Rumlong.
Woodbury	Butler	533	3								1.12		0.79	0	6					J. C. Stinson
Eastern Division.																				
Ages	Harlan	1250	0	64.2		89	23†	34	1	41	2.33		0.53	0	9	11	7	13		S. A. Driver.
Ashland	Boyd	534	3	65.4		91	27	40	1†	36	4.55		1.32	0	12	12	4	15	ne.	Forester Farley.
Beattyville	Lee	650	16	64.3	+ 0.1	91	23	34	1	42	3.52	−0.63	1.54	0	9	10	11	10	w.	Mrs. Sabins E. Hall
Berea	Madison	1070	18	64.4	+ 2.7	90[a]	23†	32[a]	1	40	1.84	−2.22	0.56	0	7	19[a]	6[a]	5[a]	nw.	Prof. Chas D. Lewis.
Cynthiana	Harrison	684	3								1.75		1.05	0	6					P. H. Kehoe.
Falmouth	Pendleton	600	32								1.67	−2.00	0.74	0	8	19	6	6	sw.	J. Y. Oldham.
Farmers	Rowan	668	13								2.51	−1.55	0.86	0	6	16	12	3	se.	Mrs. Alice Phelps
Jackson	Breathitt	776	9	65.0		90	23†	33	1	40	2.31	−1.41	0.42	0	9	13	7	11	nw.	Nick Kelly.
London	Laurel	1190	6								2.30		0.80	0	9					C. R. Lee.
Louisa	Lawrence	584	15								5.85	+1.63	2.11	0	9					T. D. Snyder.
Maysville	Mason	524	23	65.8	+ 0.7	92	23	39	2	35	3.13	−0.92	1.00	0	10	7	17	7	w.	Harry M. Robinson.
Middlesboro	Bell	1128	23	63.8	− 0.9	91	24†	32	1	44	1.15	−3.02	0.24	0	9	16	12	3		B. H. Perkins
Mount Sterling	Montgomery	930	31	64.3	+ 0.2	89	23†	35	1	34	2.99	−1.30	0.87	0	11	14	8	9	w.	W. R. McKee.
Oliver	Greenup	540	1								3.46		0.72	0	9					W. C. Rash.
Pikeville	Pike	634	15								5.26	+2.11	1.64	0	9					J. M. Williams
Richmond	Madison	926	26	66.4	+ 0.8	90	23†	38	1	35	2.26	−1.32	0.75	0	9	14	8	9		J. W. Crooke.
Vanceburg	Lewis	525	4								4.98		1.13	0	10					Samuel Johnson.
Williamsburg	Whitley	939	23	64.6	− 1.7	91	24†	35	1	39	1.62	−2.46	0.53	0	8	12	11	8	w.	D. B. Bradley
State averages and extremes				65.9		97	24†	32	1	44	2.45		2.11	0	8	16	8	7		

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, [a], [b], appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. ‡ Received too late to be included in means and summaries.
T Precipitation is less than 0.01 inch rain or melted snow.
¶Post-office address, Covington, Ky.

MISCELLANEOUS.

May 12.—Near Amos, Allen County, two men were killed by lightning and another probably fatally injured while standing under a tree. In Mason County a boy was killed by lightning while riding on a horse with another boy, the horse and other boy escaping injury.

May 26.—At Louisville lightning exploded fumes of industrial alcohol causing damage estimated at $1,500.

May 29.—A farmer was killed by lightning near Harrodsburg.

Auroras.—An auroral display began faintly on the night of the 13th, becoming brilliant on the night of the 14th and 15th, and continuing with decreasing brilliancy until the night of the 17th. The length of this display, its intensity and magnitude, which practically included the entire sky on the night of the 14th, were remarkable and probably unprecedented in this

(Continued on next page.)

Daily Precipitation for May, 1921.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam ..... G		.40	.15								1.40	.25														15			.35			2.50
Blandville ..... M	.15	.25							.04	1.04	.08														.42							1.98
Calhoun ..... G		.29	.51	T.	.03	.04			.01	.48	1.32	.01			T.										.15							2.84
Earlington ..... G		.36	.25	.03		.07				.02	.85	.26														T.						1.84
Greenville ..... G		.36	.26							.40	1.38	.18	.05												.10			.05				2.78
Henderson ‖ ..... O		.18	.19		T.						1.08	1.09																				2.54
Hopkinsville C			.02			.01				T.	.54	.25											.32						.80			1.94
Marion ..... O		T.							.75	.68	.59														.75	T.		T.				2.77
Mayfield ..... M	.21	.55	.01							.60	.05																					1.42
Owensboro ..... O		.29	.41	.02						T.	.80	.04														T.			T.			1.56
Paducah (Lone Oak) ..... O	.42	.12								.80	.40																					1.74
Paducah ‖ ..... O	.24	.27	.24							.10	.70	.25																	.15			1.66
Princeton ..... G		.36	.02		T.		T.		.15	.59	.71														T.							1.83
Russellville ‖ ..... G	T	.15	.11				.01				.72		.18																.25			1.42
Central Division.																																
Alpha C		.42	T.	.19						.45															.71	.82						2.59
Anchorage ..... O		.17	.06	.16		.11				.64	.48	.03													.56	.50						2.71
Bardstown ..... S			.18	.03	.20						1.16	.50	.07													.10	.06					2.30
Bowling Green ‖ ..... G		.05	.05	T.							.90	.05	.05									.15				T.			.70			1.95
Brownsville ‖ ..... G			.04	.09							.98	.42	.03													T.						1.56
Burnside ‖ C			.10	.09	.09	.03					.96	.22	T.	.06																		2.32
Camp Knox ¶ ..... O		.08	.39			.01				.40	.96	.15													T.	.20						2.19
Carrollton ‖ (Lock No. 1) ..... O			.38	.06	.18		.04				.60	1.16	.06													.02	.56	.17				3.23
Cloverport ‖ ..... O		.11	.16	.01		T.	T.				1.28	.13	.01													.33	.01		.01			2.06
Eubank C			.16	.17	.08						1.10	.36	.25	.07												.14	.60					2.93
Frankfort ‖ ..... K			.12	.06	T.		T.	T.			.53	.27	.14	.01												.33	.65	.33				2.44
Franklin ..... G		.08	.02							.85	.04		.05															.40				1.44
Glasgow ..... G																																
Greensburg ..... G			.13	.05	.10						.46	.18	.14													.22	.25		.10			1.63
High Bridge ‖ ..... K			.05	.11							.86	.26	.06													.30	.72		.70			3.06
Irvington ..... O		.32	T.		T.					.50	.73	T.													T.	T.						1.55
Junction City ..... K		.04	.20	.12	.02	.01				.28		.27	.19												.68	.67		.30				2.78
Leitchfield ..... G		.22	.02							.75	.56														.61		T.					2.16
Lexington *** ..... K		.24	.12	.05		.16				.70	.02	T.	.04												.04	.20		.03				1.60
Louisville *** ..... O		.24	.01	T.		.01			T.	1.12	.51	.01													.05	.85		.02				2.82
Do. (Cherokee Park) ..... O		.23	.01	T.		T.	.03			.65	.23	.03													.06	.61		T.				1.85
St. John ..... S			.38	.02	T.					.05	1.58	.58														.28						2.89
Scott L		.14	.42	T.	.07	.08				.10	1.10	.28	.15								T.				.05	.08		.03				2.50
Shelbyville ..... S			.27								.80	.21														.46	.72					2.46
Taylorsville ..... S		.18	.07	.02		T.	.01			.83	.34	.39	.04												.42	.75	.07					3.12
Williamstown L			.25	.18	.13		.06				1.21		.25													.05	.14					2.27
Woodbury ‖ ..... G		.09	.05							.03	.79		.13														T.		.03			1.12
Eastern Division																																
Ages ..... K		.10	.20	.33	.53					.18	T.	.11									.40	.30			.18							2.33
Ashland ‖ ..... O			.82	.48	.56	.02					.16	.44	.17	.18										.04	T.	.19	1.32		.17			4.55
Beattyville ‖ ..... K			.16	.24	.11	T.					.74	.21	.19	.04							T.					.29	1.54					3.52
Berea ..... K		.05	.12	T.						.34	.54	T.	.06												.17	.56						1.84
Cynthiana ‖ L			.15	.10	T.		.10				.25		.10														T.		1.05			1.75
Falmouth ‖ L			.14	.12	.08						.74	.10	.07	T.												.32	.10					1.67
Farmers ‖ L		.30	.45	T.							.55	T.	.17													T.			.20			2.51
Jackson ‖ ..... K			.13	.42	.15	.22					.30		.25	.35							T.	.84				T.	.30	.19				2.31
London ‖ C			.10	.20				.08			.40	.28	.10	.12								.22					.80					2.30
Louisa ‖ ..... B			.93	.40	.58						.24	.39													30	2.11	.65		.25			5.85
Maysville ‖ ..... O			.15	.25	.10						.60	.08	.28	.42												.26	.15		1.00			3.13
Middlesboro C		.22	.14	.05	.06		.12			.13		.24									.08					.15						1.19
Mount Sterling L			.30	.17	.03						.87	.04	.38	.25								.10				.14	.21		.50			2.99
Oliver ‖			.66	.33	.25						.30	.18	.14													.50	.38		.72			3.46
Pikeville ‖ ..... B		1.64	.32	.84	.18						.72	.12	.08													1.12	.24					5.26
Richmond ..... K		.12	.08	.05	T.		.05				.75	.03														.21	.72		.25			2.26
Vanceburg ‖ ..... O			.68	.26							.38	.15	.87	.45										.02	1.13	.18		.86			4.58
Williamsburg ‖ C		.25	.16	T.	.03						.37	.05	.18									.05			T.	.53	T.					1.62

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Precipitation for 24 hours ending at 3 p. m

ocality. Earth currents as strong as 170 volts were reported by telegraph companies at Louisville on the night of the 14th. These are said to be the strongest currents of this character ever recorded in this vicinity. Interference with telegraph wires continued periodically from the 13th to 16th, inclusive, the time of greatest disturbance coinciding with the brilliant display on the 14th. The aurora was seen all over the State.

Rivers.—Good stages prevailed in the Ohio during the first half of the month, but they declined to pool stages in the third week. Rains over the upper basin on the 25th started a rise that gave moderate stages during the last week. Other streams of the State were generally low.

Daily Temperatures for May, 1921.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	69	67	50	67	74	78	78	82	84	70	76	78	80	76	73	70	77	85	91	90	92	90	95	96	95	98	93	94	91	92	94	82.0
	Minimum	39	45	40	43	43	43	42	41	50	58	58	57	55	46	50	41	40	46	51	57	58	60	62	62	66	68	66	69	65	60	64	53.1
Blandville	Maximum	64	58	50	63	72	74	77	78	78	69	71	75	76	73	67	67	75	81	85	86	89	88	91	90	89	87	88	91	91	89	91	78.2
	Minimum	48	43	41	43	47	51	48	59	59	51	55	55	59	51	52	47	47	54	61	60	62	66	65	63	67	67	69	65	64	66	66	57.6
Calhoun	Maximum	70	66	55	66	72	72	75	80	83	81	71	77	75	75	72	68	77	85	91	90	87	89	93	95	88	91	93	92	91	91	92	80.7
	Minimum	44	54	41	45	44	46	66	50	52	59	59	57	57	57	51	54	44	47	53	59	61	64	65	63	67	67	67	69	65	64	66	56.4
Earlington	Maximum	70	63	46	65	73	75	73	81	82	71	75	76	78	74	76	68	76	86	90	90	90	95	95	92	91	91	91	92	91	92	92	80.6
	Minimum	48	45	39	43	44	43	43	43	47	53	57	57	56	51	44	51	43	38	45	51	54	57	66	66	62	69	67	67	69	68	89	53.6
Hopkinsville	Maximum	67	62	46	65	72	72	75	80	81	75	72	74	78	..	75	66	75	85	88	88	87	88	90	92	92	92	..	89	88	89	91	79.0
	Minimum	45	44	38	42	43	44	42	47	51	66	66	66	65	..	46	44	40	45	52	55	57	62	61	62	66	66	..	64	65	69	62	52.9
Greenville	Maximum	77	67	49	67	74	76	77	84	86	79	79	78	81	77	72	73	82	88	93	92	94	91	94	96	92	93	94	94	90	91	94	83.0
	Minimum	49	45	40	42	45	44	43	51	56	66	66	66	65	63	47	51	46	41	48	55	58	61	61	62	64	66	67	66	67	66	61	54.9
Hopkinsville	Maximum	69	64	49	66	73	75	76	77	84	86	79	79	78	81	77	72	73	82	88	93	93	88	87	90	92	89	86	87	89	90	92	78.3
	Minimum	49	45	40	42	45	44	43	51	56	66	66	66	65	63	47	51	46	41	48	55	58	61	61	62	64	66	67	66	67	66	61	54.9
Marion	Maximum	69	59	44	63	72	75	76	80	80	77	68	72	74	74	67	67	75	85	85	89	88	93	93	96	93	90	94	93	90	92	93	57.3
	Minimum	49	44	39	43	45	47	52	56	58	59	56	56	59	50	50	45	44	55	64	63	63	64	67	67	69	70	69	69	72	65	68	78.8
Mayfield	Maximum	65	64	47	68	70	75	78	83	80	74	74	76	73	72	66	65	70	71	78	81	86	92	93	93	95	93	90	94	93	90	92	56.2
	Minimum	49	44	41	43	45	48	48	58	60	58	55	57	54	50	44	42	44	49	53	70	76	53	55	69	69	69	64	65	71	65	66	78.7
Owensboro	Maximum	68	67	46	66	73	76	75	78	80	70	73	72	72	70	69	66	73	84	88	87	85	87	90	93	90	90	92	90	90	92	93	55.2
	Minimum	45	45	40	43	45	49	46	56	53	59	59	56	58	48	49	45	46	47	47	60	60	60	66	65	68	68	66	69	68	66	69	
Owensboro	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paducah (Lone Oak)	Maximum	71	67	49	67	74	76	77	84	86	79	78	78	81	77	73	73	82	88	93	92	94	91	94	96	92	93	94	94	90	91	94	83.0
	Minimum	49	45	41	44	47	49	49	57	60	61	56	58	60	50	50	45	44	51	59	59	60	67	68	70	71	71	68	69	70	65	67	57.4
Princeton	Maximum	73	64	47	65	69	76	78	83	84	75	73	75	79	75	69	69	77	86	91	90	91	90	94	96	93	93	94	94	90	91	94	80.9
	Minimum	50	45	40	43	45	49	48	56	55	59	55	55	59	49	48	45	42	47	54	55	58	63	62	64	67	67	68	66	64	59	63	54.6
Russellville§§	Maximum	68	52	47	64	73	73	78	80	80	73	69	75	75	75	69	71	79	85	88	88	89	87	93	94	91	92	91	94	89	89	91	75.6
	Minimum	46	45	39	40	45	44	42	44	48	58	56	56	55	47	50	46	39	46	52	58	60	62	63	64	67	67	68	66	64	59	63	53.5
Central Division																																	
Alpha	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anchorage	Maximum	64	56	46	66	73	76	74	77	80	65	71	74	78	72	68	67	77	84	88	85	85	87	91	91	82	81	89	87	67	50	91	77.5
	Minimum	33	40	38	43	45	43	39	40	46	56	55	57	55	42	46	38	40	45	45	58	57	61	65	67	60	64	65	60	63	66	67	51.3
Bardstown	Maximum	64	55	45	65	71	71	75	76	83	77	73	73	80	74	64	67	77	83	87	86	84	86	93	93	90	85	88	89	88	88	90	78.1
	Minimum	38	44	39	45	47	46	41	43	46	56	59	57	56	48	47	43	42	46	54	56	58	64	66	68	63	65	69	65	68	68	68	53.3
Bowling Green	Maximum	71	65	47	67	74	76	79	83	86	79	78	80	82	78	73	73	84	90	93	96	88	88	96	88	96	94	92	91	93	93	94	84.5
	Minimum	42	46	42	43	45	46	44	48	51	56	55	57	56	49	49	47	43	48	54	59	60	61	64	64	69	70	66	67	65	63	65	77.5
Camp Knox	Maximum	66	63	46	68	70	76	72	76	79	78	70	73	78	72	67	66	77	83	87	88	80	87	91	93	86	86	89	86	86	86	86	56.4
	Minimum	40	45	40	41	47	48	46	48	52	58	58	60	59	47	53	47	45	48	56	60	61	62	65	68	72	67	70	72	70	67	67	77.0
Eubank	Maximum	66	54	44	62	70	67	73	75	80	77	77	75	79	77	69	72	79	84	88	82	80	83	90	90	89	90	86	86	86	86	86	50.6
	Minimum	35	39	38	42	48	36	37	40	41	54	54	54	54	43	46	42	38	45	53	53	60	59	61	60	63	63	62	65	61	68	68	77.2
Frankfort	Maximum	62	55	47	66	71	69	71	76	79	75	72	75	81	74	68	66	74	80	86	86	84	87	90	90	88	86	89	85	87	87	89	58.5
	Minimum	38	45	41	46	49	43	42	44	44	52	59	58	57	47	49	43	42	46	52	57	58	61	64	64	68	67	68	65	69	65	62	54.2
Franklin	Maximum	69	66	51	65	72	75	75	81	82	79	77	80	82	76	74	71	80	86	88	88	85	88	92	94	92	92	90	93	89	90	92	81.4
	Minimum	45	45	40	42	45	48	43	49	52	59	56	56	57	50	48	45	46	50	51	54	51	61	63	67	67	67	71	70	70	64	67	81.5
Glasgow	Maximum	68	55	45	65	73	73	77	81	84	74	78	80	80	78	73	67	83	88	92	92	86	89	95	95	94	92	91	97	89	91	94	82.0
	Minimum	39	42	40	42	45	42	39	43	50	57	56	57	54	44	47	45	41	48	52	59	60	61	60	59	65	67	68	67	69	61	59	52.6
Greensburg	Maximum	63	61	45	64	71	70	72	77	81	75	73	77	73	72	67	67	75	82	86	85	88	85	88	90	90	90	87	86	86	86	87	77.1
	Minimum	34	37	39	41	45	37	38	40	42	53	56	56	56	40	43	44	41	37	43	43	54	58	57	58	57	62	64	63	63	58	57	69.4
Irvington	Maximum	64	61	45	65	71	72	73	76	79	74	70	74	77	70	67	65	74	81	86	84	85	89	91	86	84	85	88	86	88	87	88	76.9
	Minimum	41	43	41	44	45	47	44	46	49	61	58	59	57	47	50	44	44	50	56	61	65	66	67	67	71	66	69	70	66	66	66	55.5
Junction City	Maximum	63	59	48	65	70	70	73	76	79	76	73	76	77	73	71	71	82	87	89	89	86	86	89	89	86	86	84	86	86	86	86	77.1
	Minimum	36	38	39	43	47	41	40	42	42	50	57	56	56	47	45	40	46	40	51	55	67	58	66	63	65	68	66	65	66	67	66	77.3
Lettchfield	Maximum	65	58	44	62	70	69	65	72	71	70	60	71	77	71	68	67	78	83	87	87	82	83	90	90	88	87	89	86	86	87	90	75.1
	Minimum	42	43	41	43	44	47	42	46	51	57	58	57	57	51	50	45	45	49	55	59	61	61	63	61	66	68	67	67	62	63	65	73.6
Lexington	Maximum	68	46	45	62	65	66	67	72	76	67	71	73	76	69	64	62	74	80	85	83	81	83	86	87	82	79	86	84	80	84	87	54.4
	Minimum	37	41	40	44	47	44	46	55	53	58	58	57	58	51	50	45	44	60	61	67	64	62	67	66	68	65	68	69	66	66	69	56.3
Louisville	Maximum	63	51	47	63	71	71	73	76	79	67	68	72	76	71	67	65	75	82	88	88	88	88	93	92	81	80	88	88	89	89	90	76.4
	Minimum	44	41	39	45	49	54	48	51	55	59	58	58	60	53	50	46	46	57	62	68	66	65	70	71	69	65	70	72	69	66	70	57.5
Do (Cherokee Park)	Maximum	62	50	47	64	70	65	72	74	79	64	68	72	76	69	67	62	74	82	83	84	82	83	86	88	84	78	85	86	82	85	86	74.4
	Minimum	41	44	40	44	47	48	43	44	47	50	57	58	59	49	49	44	43	49	55	59	61	63	65	67	71	63	67	71	65	64	66	54.9
St John	Maximum	65	67	48	67	71	72	77	77	80	74	73	75	80	75	68	66	75	81	87	86	82	87	93	93	90	88	88	91	88	88	90	78.7
	Minimum	38	40	39	41	45	45	41	44	48	59	58	57	54	47	49	43	42	47	56	59	62	62	65	66	71	66	66	70	65	63	65	53.0
Scott	Maximum	61	52	47	63	68	71	71	76	80	75	70	70	76	69	66	62	77	81	87	87	81	85	88	90	86	86	86	86	84	83	85	75.4
	Minimum	37	46	46	43	46	44	43	44	44	56	57	57	58	46	46	41	42	45	52	60	61	62	65	66	71	66	66	70	65	63	65	53.6
Shelbyville	Maximum	65	56	46	66	71	73	75	76	80	70	75	76	80	72	68	68	78	83	88	88	85	88	94	97	87	80	86	89	86	88	91	78.0
	Minimum	35	35	36	40	41	40	38	39	45	53	54	54	53	42	45	37	38	45	53	60	59	58	60	64	63	59	67	64	60	59	61	52.2
Taylorsville	Maximum	58	43	40	45	47	42	40	42	43	53	59	58	56	45	50	42	40	44	50	56	60	60	61	64	67	67	68	67	66	64	66	76.4
	Minimum	35	33	40	41	47	42	40	42	43	50	52	50	52	42	40	36	36	40	46	50	52	53	56	57	59	56	57	58	57	53	54	52.7
Williamstown	Maximum	66	58	46	64	69	69	69	74	78	73	71	72	76	71	65	64	69	81	87	85	87	89	90	86	83	87	90	91	84	80	86	75.5
	Minimum	35	39	39	41	45	42	42	46	46	52	56	55	57	44	46	41	41	52	53	59	61	60	64	64	67	63	65	68	60	62	64	72.5
Eastern Division																																	
Ages	Maximum	68	61	48	61	57	65	69	76	81	64	79	75	80	79	77	74	84	88	86	80	76	80	89	89	87	83	87	89	83	83	89	77.0
	Minimum	34	36	43	43	47	47	41	41	41	46	53	53	54	55	48	49	43	48	50	52	62	59	60	61	64	61	60	59	62	59	59	51.4
Ashland	Maximum	62	56	54	64	59	66	69	74	77	79	73	75	80	78	76	76	81	87	84	84	87	90	92	89	90	87	88	90	86	86	88	76.8
	Minimum	40	47	41	49	50	48	46	42	41	49	57	59	58	51	48	49	42	46	54	56	59	60	60	58	60	61	62	63	60	60	62	50.2
Beattyville	Maximum	64	55	47	61	63	68	72	77	77	80	76	75	78	76	76	76	73	82	85	89	82	80	88	90	91	92	89	86	87	84	87	76.3
	Minimum	34	35	43	46	48	46	41	40	40	41	52	56	52	46	46	40	40	45	48	52	60	58	60	61	62	63	60	60	62	61	61	50.0
Berea	Maximum	63	51	50	63	65	67	72	76	81	71	74	67	70	75	76	70	80	84	88	88	90	90	88	88	90	90	88	88	89	85	86	76.0
	Minimum	32	41	40	45	48	45	45	43	46	59	49	57	57	47	47	43	40	46	54	64	65	62	65	64	66	66	..	65	64	59	61	52.5
Jackson	Maximum	61	65	49	63	61	68	70	76	81	70	77	78	76	76	74	72	82	84	88	88	81	88	90	90	88	84	88	89	88	85	88	78.2
	Minimum	33	36	44	46	47	43	42	43	42	48	52	56	53	50	48	42	42	47	50	54	62	61	61	62	66	64	61	63	62	59	61	77.6
Maysville	Maximum	61	55	51	65	67	69	72	75	77	79	73	75	81	73	69	66	75	83	88	86	87	88	92	89	89	86	89	90	82	88	90	54.1
	Minimum	40	39	45	47	51	41	45	47	43	52	58	58	58	48	50	45	42	48	54	58	60	61	63	66	69	66	64	67	65	63	64	77.7
Middlesboro	Maximum	66	62	48	64	68	65	72	76	81	76	76	76	79	79	77	72	82	85	86	82	79	80	89	91	91	79	88	88	85	85	88	76.0
	Minimum	32	35	43	45	47	46	39	41	39	48	52	54	54	47	49	41	41	48	50	54	58	58	58	59	62	61	59	60	60	58	60	50.0
Mount Sterling	Maximum	68	55	48	65	66	67	71	74	76	74	73	78	80	72	69	66	76	80	85	82	82	87	89	89	87	80	88	89	87	85	88	76.1
	Minimum	35	36	41	42	44	43	43	45	55	56	56	56	56	42	46	42	42	46	54	55	63	60	65	64	69	62	63	65	63	61	61	52.5
Richmond	Maximum	67	59	47	66	69	72	72	78	81	70	74	77	76	73	69	71	79	85	89	86	83	86	90	91	91	81	86	88	86	87	90	77.6
	Minimum	38	40	40	45	49	42	44	48	50	45	53	55	55	46	50	46	42	46	50	55	57	62	66	66	66	67	70	65	67	67	64	65	55.1
Williamsburg	Maximum	66	60	48	63	64	68	71	77	81	68	78	75	82	79	77	73	82	86	88	79	75	82	86	88	79	75	82	86	88	86	87	77.8
	Minimum	35	37	41	42	44	43	40	42	42	51	54	51	56	52	48	44	43	47	52	52	61	57	59	61	64	64	66	64	60	60	60	51.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

" " " etc. indicate respectively 1, 2, 3, etc., days missing from record

51.05
NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., JUNE, 1921. No. 6

GENERAL SUMMARY.

The most noteworthy features of the month's weather were the persistent high temperature and the local character of the rainfall. Except in 1890 and 1914, the average temperature was the highest for June since State records were established in 1889. Temperatures were slightly below normal in the period 5-7th, otherwise daily averages were constantly above normal, the excess ranging from 5° to 10° on most days. The high temperature, especially the warm nights, greatly stimulated the growth of corn, advancing its development to a condition practically abreast of the season, and overcoming much of the delay due to late planting. The hot, dry weather also hastened the maturity and ripening of wheat; but it was responsible for the failure of many heads to fill and for yields considerably lighter than expected. The crop was harvested earlier than usual, the grain dried out quicky, and thrashing followed at once because of favorable weather conditions.

Precipitation consisted entirely of local showers, and in consequence was unevenly distributed, some restricted areas receiving about the normal amount; while over large districts it was so light that drought conditions had become established in such places by the end of the month. The drier portion of the State was mainly in two belts, one of which extended across the west-central and the other across the eastern counties from southwest to northeast. In the burley district rainfall was generally sufficient for transplanting tobacco, although much of the crop was set late; but in the dark district dry weather prevented the setting of a full crop. On smooth land, where machines are now largely used in setting, the dry weather was favorable for the work. Early potatoes were badly damaged and made one of the shortest crops in many years, being almost a failure in many localities. The straw of oats was shortened, meadows matured prematurely, and much young clover died. Alfalfa and clover were cut and cured under excellent conditions, but the drought and heat were unfavorable for starting the second crop. Except for the dryness of the soil, the weather was favorable for the cultivation of corn and tobacco, which were kept unusually clean. Pastures deteriorated and gardens made poor progress.

TEMPERATURE.

The temperature for the month, 42 stations reporting, averaged 77.8°, which is 4.1° above normal. Except in the period 5-7th, minimum temperatures near 70° were registered on most days; while maximum temperatures of 90° or above were recorded practically every day. Uniformity of temperature was a marked characteristic. The highest for the month was 100° at Mayfield on the 30th, and the lowest 46° at Scott and Shelbyville on the 5th.

PRECIPITATION.

The average precipitation, based on the reports of 57 stations, was 2.90 inches, which is 1.28 inches less than the normal June rainfall. In the lower Licking basin, along the middle course of the Kentucky, and in a few other localities, the monthly amount was near normal. In the eastern counties, and in southwest-northeast belts extending from the upper Green to the lower Licking, and from the southwest corner of the State to the lower Green, amounts ranged between 3.0 and 4.5 inches. In parallel belts extending from the upper Cumberland to Mason County, and from Logan to Oldham County, amounts ranged between 0.8 inch and 2.5 inches; being generally about half the

(Continued on next page.)

PRESSURE AND WIND.

Stations	Atmospheric Pressure (In inches reduced to sea-level.) Average	Highest	Date.	Lowest	Date.	Wind Total movement	Av. hourly velocity	Max. Velocity* Miles per hour	Direction.	Date.
Cairo ..... Ill.	29.95	30.19	5	29.78	20	5254	7.3	52	sw.	24
Cincinnati ..... Ohio	29.98	30.20	5	29.74	28	4278	5.9	23	nw.	4
Evansville..... Ind.	29.98	30.25	5	29.76	28	6628	9.2	38	nw.	3
Lexington ..... Ky.	30.00	30.23	5	29.76	28	4239	11.4	50	nw.	18
Louisville ..... Ky.	30.00	30.28	5	29.77	28	6662	9.3	37	n.	19

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m	Noon	7 p. m	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with: 80 per cent or more.	20 per cent or less
Cairo ..... Ill.	82	57	65	351.5	440.1	80	16	6
Cincinnati ..... Ohio.	76	56	67	325.8	446.6	73	16	2
Evansville..... Ind.	76	49	61	291.6	443.0	66	10	1
Lexington ..... Ky.	74	54	.....	295.0	443.0	67	13	4
Louisville ..... Ky.	76	54	57	274.5	443.0	62	9	3

COMPARATIVE DATA FOR JUNE.

Year	Temperature. Monthly average	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average	Departure from 30-year normal.	No. of days with .01 or more rain.
1889	70.6	3.1	99	38	5.27	+1.09	
1890	78.4	+ 4.7	101	51	4.96	+0.78	
1891	77.1	+ 3.4	97	51	4.48	+0.30	
1892	75.8	+ 2.1	101	48	4.23	+0.05	
1893	73.3	− 0.4	97	46	4.64	+0.46	
1894	75.6	+ 1.9	102	35	2.69	−1.49	
1895	75.9	+ 2.2	104	47	3.63	−0.55	
1896	73.5	− 0.2	98	46	4.64	+0.46	10
1897	73.4	− 0.3	101	41	3.61	−0.57	9
1898	76.2	+ 2.5	101	45	3.90	−0.28	9
1899	76.1	+ 2.4	100	44	2.80	−1.38	5
1900	73.9	+ 0.2	100	40	6.14	+1.96	14
1901	75.6	+ 1.9	104	42	3.97	−0.21	9
1902	73.4	− 0.3	101	39	4.75	+0.57	11
1903	68.6	− 5.1	96	37	3.61	−0.57	10
1904	73.2	− 0.5	99	48	3.14	−1.04	11
1905	74.8	+ 1.1	106	45	4.49	+0.31	10
1906	73.9	+ 0.2	99	42	4.53	+0.35	11
1907	70.2	− 3.5	95	41	4.91	+0.73	11
1908	73.4	− 0.3	102	43	4.36	+0.18	7
1909	74.5	+ 0.8	99	43	5.03	+0.85	14
1910	70.0	− 3.7	99	36	5.20	+1.02	10
1911	75.2	+ 1.5	106	45	4.06	−0.12	10
1912	70.2	− 3.5	95	38	3.55	−0.63	10
1913	75.0	+ 1.3	107	48	2.87	−1.31	7
1914	78.3	+ 4.6	108	45	2.30	−1.88	5
1915	71.7	− 2.0	95	42	4.79	+0.61	12
1916	76.1	− 3.6	99	45	4.94	+0.76	11
1917	70.9	− 2.8	100	39	4.30	+0.12	10
1918	73.6	0.1	104	37	3.63	0.55	8
1919	76.7	+ 3.0	103	51	4.00	0.18	10
1920	71.9	1.8	100	44	3.12	−1.06	7
1921	77.8	4.1	100	46	2.90	−1.28	8

Climatological Data for June, 1921.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days. With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Western Division																				
																				Miss Addie B. Taylor
Beaver Dam	Ohio	441	17	79.9	+ 6.3	99	14	50	6	42	1.93	−1.50	0.90	0	6	26	3	1	s.	E. W. Horr.
Bardwell	Ballard	445	39	78.2	+ 3.2	94	18	56	6	25	2.78	−1.58	0.71	0	8	8	14	8	sw.	W. A. Taylor.
Bandsville	Mclean	437	18	79.7	− 4.7	97	24[b]	53	6	40	3.82	+0.19	2.56	0	8	6	22	2	sw.	Brick Southworth.
Calhoun	Mclean	420	30	80.0	+ 4.3	99	18	49	6	41	0.78	−2.65	0.34	0	6	20	7	3	s.	C. R. Lovell.
Earlington	Hopkins	519	4	74.8	.....	96[a]	18	52[a]	6	36[a]	2.78	.....	2.10	0	6	11[a]	16[a]	0[a]	s.	W. W. Shelby.
Greenville	Muhlenburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.92	−0.31	1.27	0	9	.....	.....	.....	.....	.....
Henderson	Henderson	327	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. E. Graves.
Hopkinsville	Christian	524	24	79.8	+ 4.6	98	2	51[b]	5	37[b]	3.56	0.78	1.18	0	16	12	7	11	sw.	.....
Marion	Crittenden	571	22	79.0	+ 4.1	95	14	54	6	33	1.32	−2.33	0.78	0	4	8	19	3	sw.	B. C. Paris.
Maxwell	Graves	364	10	80.1	+ 6.5	100	30	55	6	34	3.08	+0.48	1.00	0	9	17	13	0	sw.	N. E. Douthit.
Owensboro	Daviess	479	24	78.2	+ 4.1	94	2[b]	54	7	37	3.18	−0.39	1.18	0	11	16	6	8	so.	Henry S. Berry.
Paducah, Lone Oak	McCracken	516	4	79.4	.....	96	14[a]	54	6	26	3.25	.....	1.17	0	6	11	17	2	sw.	.....
Paducah	McCracken	340	32	.....	.....	.....	.....	.....	.....	.....	4.40	−0.12	1.24	0	8	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	520	10	79.3	+ 3.3	96	2[a]	56	6[a]	37	2.50	−1.22	0.83	0	9	5	23	2	s.	Dr. W. L. Cash.
Russellville	Logan	560	8	79.6	+ 4.6	98	27	53	6	33	0.95	−2.19	0.34	0	8	16	6	8	s.	E. C. Shelton.
Central Division																				
																				Frank Hicks.
																				C. E. Barret.
Alpha	Clinton	811	26	.....	.....	.....	.....	.....	.....	.....	1.99	−1.73	0.70	0	8	26	8	2	sw.	W. A. Cockerill.
Ammerman	Jefferson	700	29	77.2	+ 2.3	97	24[a]	50	5	40	2.13	−2.21	0.71	0	9	23[a]	0	7	sw.	Chas. M. Talbott.
Bardstown	Nelson	687	24	77.9	+ 3.3	95	14[a]	52	5	38	2.47	−1.10	1.32	0	5	17	10	3	s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	500	30	80.7	+ 4.9	99	2[a]	55	5	35	1.82	.....	0.50	0	8	.....	.....	.....	.....	James H. Young.
Brownsville	Edmonson	410	3	.....	.....	.....	.....	.....	.....	.....	2.63	−1.75	1.13	0	8	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	773	28	.....	.....	.....	.....	.....	.....	.....	2.81	.....	1.02	0	9	.....	.....	.....	.....	Signal Corps, U. S. A.
Camp Knox	Hardin	736	0	77.8	.....	95	13[a]	53	5	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
											3.62	+0.03	0.81	0	8	.....	.....	.....	.....	Charlie Oliver.
Carrollton Lock No. 1	Carroll	492	21	.....	.....	.....	.....	.....	.....	.....	3.11	.....	0.69	0	13	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	355	7	.....	.....	.....	.....	.....	.....	.....	1.90	−2.18	0.95	0	3	4	18	8	se.	.....
Eubank	Pulaski	1177	26	76.8	+ 5.7	94	27	54	5	32	2.32	−1.88	0.79	0	10	20	2	8	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	27	78.2	+ 4.6	95	26	53	5	33	2.62	−1.88	0.70	0	7	4	24	2	s.	Mrs. Amelia Wood
Franklin	Simpson	691	25	79.8	+ 4.9	97	13	55	6	37	2.60	−1.85	0.70	0	9	21	6	3	s.	B. Y. Hunt.
Glasgow	Barren	788	0	79.2	.....	98	2[a]	55	5	36	3.85	.....	1.60	0	12	9	11	10	so.	G.E.Watkins.
Greensburg	Green	581	28	75.2	− 1.9	92	14	51	6	34	4.10	−0.35	1.24	0	.....	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn.
											4.18	+0.26	0.95	0	10	.....	.....	.....	.....	Miss Lulu Wood.
High Bridge	Jessamine	762	18	.....	.....	.....	.....	.....	.....	.....	2.81	−1.18	1.24	0	7	21	4	5	sw.	W. J. Piggott.
Irvington	Breckenridge	646	23	78.2	+ 4.5	94	18	53	7	36	4.43	+0.61	1.34	0	11	17	8	5	s.	Prof. E. L. Grubbs.
Lancaster	Garrard	985	27	76.5	+ 4.9	94	14[a]	50	5	36	1.53	−2.46	0.68	0	5	13	15	2	sw.	John E. Stone.
Lawrenceburg	Anderson	735	25	77.6	+ 4.7	95	18	54	6	36	2.66	−1.85	0.70	0	7	4	24	2	s.	U. S. Weather Bureau.
Lebanon	Marion	630	25	77.6	+ 4.7	95	18	54	6	36	2.16	−1.83	0.68	0	11	15	9	6	sw.	U. S. Weather Bureau.
Leitchfield	Grayson	880	33	76.2	+ 3.0	92	26	50	5	27	2.76	−0.47	1.03	0	8	13	14	4	sw.	U. S. Weather Bureau.
Lexington	Fayette	925	48	78.2	+ 3.2	93	17	54	6	28	3.76	−0.47	1.63	0	11	15	12	3	s	Wm. I. Hunt.
Louisville	Jefferson	534	11	76.4	− 3.4	91	18	51	6	28	3.02	−0.54	0.87	0	.....	.....	.....	.....	.....	.....
Do (Cherokee Park)	Do	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11	22	0	8	.....	Sisters of Loretto
											2.36	−1.64	0.67	0	11	14	11	5	s.	E. B. Wilson.
St. John	Hardin	577	24	77.5	+ 5.2	96	18[a]	52	6	36	3.56	−0.12	2.34	0	11	14	11	5	s.	Mrs. W. T. Miller.
Scott*	Kenton	900	28	75.8	+ 4.2	95	17	46	5	35	2.51	−1.95	0.69	0	8	15	11	4	s.	E. D. Bourne.
Shelbyville	Shelby	825	31	76.0	+ 2.5	95	17[a]	46	5[a]	40	2.21	−2.05	0.92	0	10	15	8	7	sw.	Mrs. E. S. Hunsong
Taylorsville	Spencer	489	18	77.0	+ 4.5	96	27	50	6	36	2.21	−2.05	0.92	0	13	14	12	4	se.	J. C. Stinson.
Williamstown	Grant	943	18	75.8	+ 4.6	94	17	47	5	35	4.10	+0.56	0.77	0	8	.....	.....	.....	.....	.....
Woodbury	Butler	544	3	.....	.....	.....	.....	.....	.....	.....	1.34	.....	0.45	0	.....	.....	.....	.....	.....	.....
Eastern Division																				
Ages	Harlan	1250	0	75.6	.....	95	25[b]	56	5[a]	33	5.21	.....	1.32	0	10	6	11	13	.....	S. A. Driver.
Ashland	Boyd	534	3	76.8	.....	95	25[a]	54	5[a]	36	3.95	.....	1.54	0	7	17	7	6	se.	Forster Farley.
Beattyville	Lee	650	16	76.4	− 4.4	96	25[a]	51	6	38	3.31	−1.40	1.00	0	7	12	11	7	w.	Mrs. Sibbian E. Hall
Berea	Madison	1070	18	76.7	− 3.8	95[a]	14	53[a]	5	34[a]	1.58	2.97	0.85	0	3	18[a]	3[a]	4[a]	sw.	Prof. Chas. D. Lewis.
Cynthiana	Harrison	684	3	.....	.....	.....	.....	.....	.....	.....	2.55	.....	2.00	0	4	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	32	.....	.....	.....	.....	.....	.....	.....	5.35	+1.18	1.54	0	10	17	7	6	s.	J. V. Oldham.
											2.11	−2.43	0.58	0	7	11	18	1	se.	Mrs. Alice Phelps
Farmers	Rowan	668	13	.....	.....	.....	.....	.....	.....	.....	2.20	−1.80	0.60	0	7	20	7	3	nw.	Nick Kelly.
Jackson	Breathitt	776	9	76.8	.....	97	27	53	6	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. R. Lee.
Lewisburg	Logan	1190	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. D. Snyder.
Loyalton	Laurel	584	15	.....	.....	.....	.....	.....	.....	.....	2.95	−2.07	1.69	0	8	.....	.....	.....	.....	Harry M. Robinson.
Louisa	Lawrence	524	23	77.8	+ 4.9	97	17[a]	51	5	33	1.53	−2.40	0.66	0	8	12	11	7	e.	B. H. Perkins
Maysville	Mason	521	23	77.8	+ 4.9	97	27[a]	55	5	33	1.93	−2.61	0.42	0	10	12	18	0	.....	.....
Middlesboro	Bell	1128	23	76.2	+ 4.6	94	27[a]	55	5	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. R. McKee.
											2.42	−2.71	0.68	0	9	17	10	3	w.	W. C. Hash.
Mount Sterling	Montgomery	930	31	76.6	+ 4.2	95	17[a]	49	5	33	4.67	.....	2.17	0	8	.....	.....	.....	.....	I. M. Williams
Oliver	Greenup	540	1	.....	.....	.....	.....	.....	.....	.....	3.32	−1.17	0.82	0	10	.....	.....	.....	.....	I. W. Crooke
Pigeon Pike	Pike	634	15	.....	.....	.....	.....	.....	.....	.....	3.51	−0.43	0.91	0	9	17	6	7	.....	Samuel Johnson.
Richland	Madison	996	26	78.6	4.6	94	16	50	6	36	3.52	.....	0.90	0	9	.....	.....	.....	.....	D. B. Bradley
Vanceburg	Lewis	525	1	.....	.....	.....	.....	.....	.....	.....	3.58	−0.97	0.68	0	12	6	18	6	sw.	.....
Williamsburg	Whitley	953	23	77.3	− 3.8	96	27[a]	55	5	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes				77.8		100	30	46	5[a]	42	2.92	.....	2.56	0	8	14	11	5		

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. ** Received too late to be included in means and summaries.
† Post-office address, Covington, Ky.
T Precipitation is less than 0.01 inch rain or melted snow.

normal rainfall. The dry district in the west-central counties coincided in part with the dry district in May preceding. There were no well defined rain periods. After the 7th local showers occurred somewhere in the State every day, but were most general in the periods 8-12th, 19th-22d, and 28-30th. Amounts at the various stations ranged between 0.78 inch at Earlington and 5.35 inches at Falmouth. Local thunderstorms were frequent, and attended by some loss of life and damage to property.

MISCELLANEOUS

June 16.—Three oil tanks were burned by lightning near Smith's Grove, Warren County.

June 21.—A soldier was killed and two others seriously injured by a bolt of lightning that struck the athletic field at Camp Knox.

Daily Precipitation for June, 1921.

Stations	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
ver Dam	G								.90			.05				.55			.20		.05								.18			
ndville	M		.57	T						.47	.11								.71			T	.09	.13		T	.66	.16			1.92
houn	G						T	2.56			.12				.33		T	.07		.34	T	.18					.14	.68			2.38
rlington	G				T			T			.04	.18			.10	.07		T		.34	.66							T	T		1.39
enville	G							.15			.12			.04	.22					2.10									.15		2.63
anderson	G																															2.75
pkinsville	G																															
rion	C																															
yfield	O				.93				.69		.04		.15					.08				14	T			14.1	27	.48			5.92
ensboro	C								.08		.04	.26			.14	.15		.51	27	1.18	.61	.26									3.50
ver conditio	O							T		.06	T			T	.36			T			.78	T									1.84
preceding	M								.01	.30	.01					.01			.45	1.40		.70		.10		.50					3.56
ughout	O				T			.16	.58		.03	.01			1.18	.12	T		.29		.02		.07			.24	.48				1.93
ntucky, yoname Oak)	O																															1.18
	O						.25			.61																						
asturn	O							.15		.30	.45							.33	1.17								.24	.5				2.91
ock,	G		T		T		.03	T		T	.18				.83	.50		.01	.55	T	1.24	.90					.26	.45	.31		4.49
ville	G							.01			.20					.07		.21	.34		.04	.04					.11	.19	T		2.20
nd V	*Central Division.*																												.04			1.95
lton	C																															
wood	O	.01		.18				.28			.12	.45							.70		T		.13	.03		T						
ns	S								.22		.03	.30			.12		.40	.10	.20			.71					.05				1.16
ap	G							T	.15	T	T					1.32		.05	T			.70					.25				2.15
ong Green	G				.05				.09	T		.23					.50	T	.12	.14		.41						.78	T		2.47
rgetsville	C							.02	.13		T	.19			.06		T	.26								.66	.02		T	.29	1.52
ege	G							.20	.02	T	.41							.72	.30	.32	.37					.05	.42	T	T		2.63
ma	Knox*	O																														2.81
nkow	lton (Lock No. 1)	O			.81			.30			.24																					
nk	port	O			T				.01	.38		.66	.03		.01	.01		.68	.78		.05	.75					T	.01			3.62
sge	C								.70		.25							.02	.40			T	.18	.69		.10	.50	.12			3.11
unset	fort	K	T		T			T	.07	.15	.05	.26				1.32												.55			1.90
n	lin	G						.35	.38		.08							.18	.02		.79		.40		.68		.32				2.32
n	ow	G						1.00		.75	.05	.15					.70		.30	.18	T					.10						2.69
pe	sburg	G						.01	.10	1.24	.01	.35	.03		.95		.09	.78	.12	.98	.04		T				.10	.25				3.86
ree	Bridge	K						.24	.15		.40		.22					.16	.95	.39		.54		.21			.92					4.16
	ton	O						.23	.19		T			.48				T	.28		1.23		T			.23	.17				4.18
	on City	K						.40		.02		.16							.24		.24		.30	.23	1.34		.28		.23			2.81
	field	G						.20	.06		.17							.42								.68					4.43
	gton ***	K	.26			T		.02	.78	T	T	.11					T	.14	.07		.05	.03		.62	.05		.13					1.93
	LLE***	O	T		T	T		.34	T	T	.49	.98							.37													2.16
	(Cherokee Park)	O	.03					.43		.04	.17	.61			.13		T	1.63	T	T			.09	.09	.01	T						5.76
	n	S							.45	.11	.08	.12						.44	.67	.04	.25	.03		.02			.15					3.02
	ville	L			T			.38	.05	.01	.17							2.34		T	.12	.09	T	.10			.13	.13	.01			2.36
	sville	S	.30					.10	.06		.60								.43	.60		.03			.01	.16	.01		.12				3.56
	dstown	S	.07					.10		T	.11	.92																				2.51
	ury	L	.05		.50			.07	.15		.40	.30						.04	T	.37		.04			.01		.54		T			2.21
		G						.04	.14		.02				.08	.40				.77	.10		.26	.22		.68	.24		.14	.52			4.40
																				.45			.68							.13		1.34
	Eastern Division.																															
	d	K																														
	Stville	O					T	.70	.52	.09		.20				.65	.11	1.32			.39							1.06	.14			5.21
		K						.65	.04								.78	1.54					.05			.68	.17				3.91
		K						.65	.25		T	.06				.34		.14	.86			.11	.72				.18				3.51
	nville	L	.20	T	T			T	T								T				.18		.55	T							1.58
	outh	L			.68			.10	.04		.16									.10		T		2.60		.25		T	T		2.56
	ers	L																		.65		.86	.60		1.54	.20			.52			5.35
		K										17																				
		B						.51	.60			.05	.02					.12	.30		.14		.98				.30	.10				2.11
	le	O			.38				.35			.08						.44	T	T		T	T		T		.30	.28				2.20
	boro	C						.16	.16	T		T						1.69	.03		.14					.03	.25	.40				2.97
	Sterling	L	.03					.08	.02			.08						.29	.23	.24	.03		.14		.42			.21	.16				1.03
									.03	.11		.15								.09	.53		.03	.78		.67	T	T				1.89
		O																														2.42
	le	O						T	.16	.05								2.17	.32			.82		.08			.66	.41				4.67
	ond	B	.18					.12	.32		.08		.24					.18	.62			.42					.34	.82				3.92
	burg	K						.50	.14			.20						.03	.17	.45		.10	.66		.83	.91		.12				3.51
	nsburg	O			.90			.48	.22										.80	.24			.20		.05			.41	.22				3.59
		C						.42	.46	.06		.58	.09	T				.68	.16			.15	.06		.42	T	T		.34	.16				3.58

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

§ Precipitation for 24 hours ending at 8 p. m.

June 27.—Five heat prostrations occurred at Louisville.

June 30.—A man was killed by lightning near Eubank, while using on a hay-rake.

Rivers.—The streams of the State, including the Ohio, were unusually low during the month. Navigation was impeded by low water in the Ohio between Louisville and Evansville.

Daily Temperatures for June, 1921.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	94	98	95	85	93	88	94	85	92	96	84	89	96	99	95	94	97	97	92	94	94	92	95	96	96	97	97	93	97	97	..	93.7
	Minimum	64	64	65	63	56	59	52	64	66	68	70	69	67	68	67	68	70	69	66	66	70	69	65	71	70	65	71	70	67	..	..	66.1
Blandsville	Maximum	92	93	90	80	80	81	87	87	86	80	82	86	91	96	90	92	61	94	80	92	88	89	88	94	97	96	87	91	95	..	..	87.8
	Minimum	70	68	69	62	58	56	64	67	67	69	68	69	70	71	71	71	74	67	67	69	70	66	73	71	73	69	72	71	68	..	..	68.5
Calhoun	Maximum	92	96	95	84	88	88	94	79	88	85	83	90	96	95	89	95	90	96	89	91	90	91	93	97	95	96	97	97	98	..	..	92.8
	Minimum	67	68	69	65	56	53	54	66	70	79	70	71	68	70	70	70	72	71	72	68	70	70	71	72	71	69	71	71	66	..	..	67.1
Earlington	Maximum	94	96	96	84	82	90	93	89	93	86	82	90	98	97	93	96	94	99	93	91	93	90	93	94	94	93	89	93	98	..	..	91.5
	Minimum	63	67	65	65	56	49	54	65	68	68	69	73	68	67	67	67	70	72	73	64	70	70	71	73	71	71	70	70	66	..	..	65.4
Greenville	Maximum	93	95	92	83	..	87	90	87	..	92	..	90	94	95	94	93	91	96	91	92	90	89	91	92	92	93	..	89	96	95	..	93.1
	Minimum	62	63	61	65	..	52	54	63	..	64	..	68	68	65	65	65	68	68	69	64	68	68	69	69	69	68	65	..	69	66	..	66.6
Hopkinsville	Maximum	97	98	97	88	85	92	95	91	95	92	80	92	97	95	96	96	94	96	87	94	92	91	93	93	94	97	96	..	98	..	..	89.8
	Minimum	66	67	62	67	51	55	69	65	71	68	68	68	68	66	..	..	60	68	70	64	68	67	70	71	70	68	66	67	65	..	..	68.8
Marion	Maximum	92	94	95	82	81	87	89	87	90	82	82	88	94	95	87	93	92	94	90	93	87	86	87	90	89	91	92	88	92	..	..	91.8
	Minimum	72	70	70	67	55	54	64	68	70	69	69	70	70	73	69	69	70	73	70	65	70	70	70	72	72	71	73	69	70	..	..	68.4
Mayfield	Maximum	94	96	94	85	83	89	92	90	91	83	83	90	94	94	95	96	95	98	93	94	92	93	95	89	90	91	93	87	95	100	..	89.4
	Minimum	67	69	66	64	60	55	64	65	70	70	69	69	69	71	70	70	70	72	67	71	70	70	70	74	71	70	71	70	70	69	..	67.0
Owensboro	Maximum	92	94	91	81	82	88	91	85	87	83	82	87	94	93	93	92	92	94	87	89	88	87	88	94	93	94	92	87	91	92	..	91.1
	Minimum	70	68	69	66	57	56	54	55	55	69	70	69	67	70	65	67	71	71	71	67	70	70	70	72	71	72	70	70	71	68	..	..
Paducah (Lone Oak)	Maximum	92	90	90	88	79	79	80	80	89	85	85	90	95	96	94	95	96	95	85	94	93	91	91	92	92	95	90	93	93	93	..	..
	Minimum	67	68	70	63	57	54	60	68	65	70	69	71	73	73	76	70	72	74	67	68	70	71	70	72	73	72	73	71	70	70	..	..
Princeton	Maximum	94	96	94	84	82	89	93	91	92	87	85	89	94	96	90	93	92	95	85	92	91	89	91	93	92	94	94	86	94	93	..	..
	Minimum	70	65	65	65	57	56	56	66	70	70	69	70	66	67	68	67	69	70	67	71	70	70	71	73	70	69	66	69	71	66	..	6
Russellville§§	Maximum	95	96	94	94	83	89	93	87	92	92	76	88	95	96	95	95	91	96	88	91	93	92	95	96	96	97	98	89	95	96	..	9
	Minimum	63	65	65	69	64	53	57	64	65	67	63	66	66	66	65	66	68	69	69	65	75	68	70	71	71	71	71	70	71	69	..	6
Central Division.																																	
Alpha	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anchorage	Maximum	91	94	94	79	79	84	91	78	84	85	81	90	95	93	89	95	95	95	87	90	88	91	90	97	98	94	94	89	94	97	..	..
	Minimum	66	66	63	62	60	51	51	62	66	63	68	68	58	68	64	61	67	68	68	64	70	66	68	69	68	68	67	69	67	66	..	..
Bardstown	Maximum	90	92	91	80	79	86	91	80	83	84	89	90	94	95	90	93	94	94	87	88	87	90	91	93	93	94	93	91	91	95	..	..
	Minimum	64	64	65	67	52	53	53	67	66	65	69	69	67	68	65	65	69	70	68	66	70	68	69	72	72	70	70	71	70	68	..	..
Bowling Green	Maximum	97	99	96	88	86	92	95	84	93	89	91	93	98	99	97	95	91	98	93	95	90	93	94	96	95	99	98	90	96	99	..	..
	Minimum	64	66	65	69	55	57	59	67	66	68	70	66	67	68	67	68	69	70	71	68	70	69	71	70	73	71	70	70	69	70	..	..
Camp Knox	Maximum	90	91	91	79	78	88	91	76	83	83	77	91	95	91	89	91	93	95	86	86	84	88	88	92	91	92	90	86	90	92	..	..
	Minimum	67	67	68	66	53	55	55	65	65	65	68	68	67	71	69	67	72	72	69	67	70	69	70	74	73	73	73	74	71	70	..	..
Eubank	Maximum	90	92	91	84	78	88	90	86	84	82	82	83	90	91	89	93	93	92	84	92	92	90	93	93	93	93	94	93	93	93	..	..
	Minimum	60	63	59	65	54	57	58	64	65	63	66	66	62	64	65	61	66	67	66	67	66	66	65	66	66	68	67	68	68	66	..	..
Frankfort	Maximum	89	92	90	88	77	83	87	85	80	89	81	87	93	92	89	91	94	94	92	89	89	92	91	94	93	95	93	90	89	93	..	..
	Minimum	65	67	65	65	53	55	54	65	68	67	69	69	68	70	65	64	70	73	70	68	71	69	71	71	70	71	71	70	71	70	..	..
Franklin	Maximum	93	95	95	91	84	92	93	84	89	85	82	90	97	95	96	90	92	95	90	90	89	91	92	94	94	97	94	92	94	96	..	..
	Minimum	63	65	68	68	56	55	61	64	66	69	70	67	68	70	67	68	69	71	71	67	70	69	71	71	72	72	74	72	71	70	..	..
Glasgow	Maximum	96	98	98	87	86	90	94	82	92	84	78	86	95	97	93	93	92	95	92	90	89	90	93	94	94	96	94	94	92	92	..	..
	Minimum	61	63	64	67	55	56	60	67	68	67	71	68	67	74	68	68	70	69	68	65	68	70	70	70	72	70	70	68	63	63	69	..
Greensburg	Maximum	89	90	90	84	79	85	89	83	84	80	76	82	88	92	89	89	91	90	84	86	87	87	88	91	91	91	91	88	88	91	..	..
	Minimum	58	60	60	65	53	51	55	64	65	62	65	64	63	65	63	63	64	65	66	64	64	67	67	69	69	67	68	68	67	66	..	..
Irvington	Maximum	93	89	89	80	78	84	89	82	83	85	80	88	93	93	88	91	93	94	86	86	89	88	89	92	90	92	91	87	89	93	..	..
	Minimum	68	66	70	67	55	54	53	66	67	69	70	71	69	70	67	67	74	72	69	67	72	71	70	74	72	72	72	73	70	69	..	..
Hawesville	Maximum	89	91	90	86	79	86	90	86	83	83	78	86	92	94	89	93	94	91	82	89	93	89	90	94	92	93	91	89	89	94	..	..
	Minimum	58	60	62	65	50	52	54	69	65	63	67	68	65	64	61	61	67	74	67	67	64	67	66	66	68	69	69	66	70	68	..	..
Leitchfield	Maximum	91	92	91	80	80	88	91	78	83	83	77	85	91	92	89	92	93	95	88	87	88	88	92	91	92	94	94	86	92	93	..	..
	Minimum	65	65	62	68	55	54	55	67	65	66	69	68	65	70	67	67	70	69	69	67	70	69	71	70	70	68	69	71	70	70	68	..
Lexington	Maximum	88	91	88	73	75	82	88	75	78	85	77	84	90	89	87	90	90	90	80	89	84	87	88	90	91	92	90	85	86	90	..	..
	Minimum	64	65	68	57	50	56	61	63	67	67	69	67	70	67	63	65	71	67	69	67	69	69	72	69	69	74	75	68	71	71	..	..
Louisville	Maximum	96	92	90	77	76	82	88	77	83	83	79	84	93	91	88	92	93	93	87	89	87	89	88	92	90	92	92	85	90	92	..	..
	Minimum	69	70	71	62	54	54	60	64	68	68	70	69	72	73	68	68	75	75	68	69	72	71	72	74	73	73	76	73	71	75	..	..
Louisville (Cherokee Park)	Maximum	86	87	86	75	74	79	83	74	81	80	78	81	86	87	85	86	90	91	82	84	86	85	89	88	89	90	94	92	93	91	89	89	94	..	..
	Minimum	72	66	70	64	52	51	55	62	68	66	69	69	70	73	65	64	71	73	68	68	74	69	69	74	70	71	79	79	70	70	..	..
Madisonville	Maximum	94	94	93	80	79	88	92	78	84	84	88	89	94	95	89	95	95	96	87	85	85	88	92	92	90	94	93	89	92	96	..	..
	Minimum	64	65	62	67	53	52	63	63	65	65	66	66	65	67	67	64	67	67	68	65	69	68	67	71	68	69	67	70	67	66	..	..
Scott	Maximum	85	89	89	73	73	83	84	75	81	87	80	91	93	85	83	94	95	93	80	90	87	86	87	88	88	91	89	84	91	88	..	..
	Minimum	66	65	68	58	46	50	54	59	63	64	69	69	66	67	61	59	65	73	67	65	70	68	69	71	69	72	72	71	78	68	..	..
Smithville	Maximum	90	91	91	84	79	86	91	86	83	89	80	89	93	93	90	94	95	95	84	89	87	91	91	94	94	94	94	90	92	95	..	..
	Minimum	61	63	61	59	46	46	52	59	63	62	65	65	65	66	60	59	65	67	65	63	66	64	65	67	66	67	67	66	65	65	..	..
Taylorsville	Maximum	89	91	90	77	77	84	87	77	83	83	79	84	93	91	88	93	94	93	89	89	89	93	88	92	90	92	92	85	90	91	..	..
	Minimum	63	65	64	64	58	50	51	65	66	64	69	69	67	69	66	64	69	69	69	73	66	66	70	70	69	70	71	70	68	..	..	..
Versailles	Maximum	86	92	91	79	75	81	87	82	79	88	80	87	91	87	85	93	94	93	87	90	88	88	87	89	87	90	92	88	87	91	..	..
	Minimum	64	64	66	58	47	49	53	59	62	63	63	67	66	67	60	61	69	70	67	65	69	67	69	70	68	69	72	70	68	69	..	..
Eastern Division.																																	
Ages	Maximum	96	90	91	81	82	84	89	84	83	84	85	78	91	92	90	93	82	88	84	87	87	89	93	80	95	93	95	94	85	90	..	..
	Minimum	59	59	60	60	56	56	60	62	60	65	64	65	64	61	60	64	66	66	64	61	66	67	68	65	66	68	64	67	69	..	..	..
Ashland	Maximum	86	88	90	90	76	85	86	81	81	90	89	87	93	87	84	92	87	92	88	85	89	91	91	93	95	92	95	94	83	90	..	..
	Minimum	63	64	67	65	54	54	58	59	64	65	70	71	65	70	61	56	64	71	69	65	61	70	71	70	71	73	71	68	72	63	..	..
Beattyville	Maximum	91	91	90	91	83	88	91	76	83	85	82	85	92	93	89	94	92	91	84	90	87	87	87	91	95	95	95	93	86	93	..	..
	Minimum	59	70	60	61	54	51	57	59	65	64	65	70	65	65	58	56	65	66	65	66	67	68	67	68	67	68	68	65	70	67	..	..
Berea	Maximum	90	92	93	86	80	87	90	83	87	84	79	..	94	95	90	93	..	90	85	90	88	91	90	93	..	..	..	..	89	91	..	..
	Minimum	58	65	69	64	58	55	57	62	65	66	68	..	67	68	57	59	..	69	68	68	68	70	70	68	68	..	..	..	69	66	..	..
Jackson	Maximum	90	92	92	81	81	86	92	91	82	87	83	87	93	92	90	91	92	90	88	91	91	93	93	92	95	95	97	94	84	92	..	..
	Minimum	60	62	61	65	55	58	60	64	66	65	67	66	66	67	60	58	66	68	66	61	65	63	69	68	68	68	69	69	66	70	67	..
Maysville	Maximum	91	93	92	78	77	84	86	78	82	90	84	89	96	89	87	92	97	97	90	89	93	95	92	92	94	97	96	93	88	94	..	..
	Minimum	66	65	66	62	51	52	55	60	65	64	68	68	66	67	61	59	67	74	69	69	67	70	70	70	71	70	70	71	71	71	..	..
Middlesboro	Maximum	90	89	90	85	84	84	88	86	86	87	89	90	90	93	92	93	92	90	88	87	88	91	93	90	92	92	94	94	88	93	..	..
	Minimum	57	58	58	59	55	59	59	61	62	59	62	63	65	63	64	63	66	66	65	67	66	68	67	69	65	66	66	63	68	68	..	..
Mount Sterling	Maximum	87	90	91	78	76	85	88	78	86	90	82	87	93	90	86	92	95	95	86	87	91	91	91	95	93	94	91	89	90	..	..	..
	Minimum	62	65	64	63	49	52	55	64	68	63	68	66	65	67	61	59	68	70	67	65	65	67	69	70	68	71	70	70	71	67	..	..
Nicholasville	Maximum	90	92	90	84	82	86	89	85	84	83	82	92	94	91	93	89	94	92	93	91	91	87	87	89	93	93	96	96	89	92	..	..
	Minimum	66	67	67	66	56	60	61	66	67	66	70	67	69	70	64	64	71	70	69	69	68	70	71	72	70	73	73	72	71	70	..	..
Williamsburg	Maximum	91	91	92	83	84	88	89	85	84	83	84	82	92	94	91	93	94	91	91	87	87	89	94	88	93	93	96	96	89	92	..	..
	Minimum	61	61	59	62	55	59	60	65	62	64	66	65	66	64	64	64	68	67	68	67	64	67	68	70	68	69	69	70	67	69	..	..

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

§§ Observations respectively 1, 2, 3, etc., days missing from record.

UNIVERSITY OF ILLINOIS LIBRARY

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

OL. XXVI. LOUISVILLE, KY., JULY, 1921. No. 7

GENERAL SUMMARY.

Weather conditions were similar to those that prevailed in ne preceding, but were more intensified as to heat and ought. All early crops were seriously damaged, oats, early rn, young clover and gardens probably faring the worst. stures dried up and farmers were compelled to feed their ck. Drought became apparent in large areas in the central d western counties during the first week, spreading as the nth advanced to include most of the State. Early corn on od soil held out fairly well until about the middle of the nth, after which it deteriorated rapidly because of "firing", mature appearance and drying of tassels, and failure to ferti- e and form ears. Early tobacco "fired" badly and grew wly, making no progress of consequence during the last three cks. Much of the late planting died in the fields during the st two weeks. Except in a few favored localities, where local ns were more frequent, the tobacco crop presented the poorest pearance in many years. Oats were almost a failure and re generally cut for hay. The dry, hot weather caused delay planting late potatoes; also considerable loss of seed where y were planted without sufficient moisture. Gardens practi- ly ceased to produce, and vegetables became scarce. Con- derable inconvenience was experienced from failure of stock ter in the hilly districts.

Precipitation was local and generally in the form of light to derate showers that had little effect on vegetation. Even ere heavy showers occurred the dry soil was not penetrated pply, and the moisture was lost quickly because of the intense t and rapid evaporation. To a considerable extent the trict in which the drought was most severe coincided with area of lightest precipitation in May and June preceding, eral stations reporting a total rainfall of 4.00 to 6.00 inches the three months, May to July, inclusive.

TEMPERATURE.

The temperature for the month, 40 stations reporting, averaged .1°, which is 4.4° above normal; and exceeded only during past 33 years by the average of 81.7° in July, 1901. Max- um temperatures of 100° or higher were registered on five to rteen days, and 90° or above on nearly every day, at stations the central and western counties. Record mean temperatures July were established at stations representing all divisions the State, exceeding those recorded in 1901, 1913, and 1914, en similar conditions prevailed. A few days with normal mperature in the period 20th-22d, afforded the only relief m the excessive heat. The extremes for the month were 6° on the 3d at Hopkinsville, and 52° on the 22d at Jackson.

PRECIPITATION.

The average precipitation, based on the records of 55 stations, s 2.65 inches, which is 1.65 inches less than normal. The tal deficiency for this month and June preceding was nearly 50 inches, and at many stations in the drier districts it was re than half of the normal precipitation for these two months. rer the southeastern mountain region, in a limited area about e mouth of the Licking, and in a few other localities, monthly nounts ranged from 4.00 to 6.00 inches. In the remainder the State, including most of the cultivated district, amounts nged from about 1.00 to 3.00 inches; while considerable areas in the north-central counties and the western part of the State received less than 1.00 inch. Scattered showers occurred almost daily from the 1st to 16th and from the 24th to 28th. Showers, varying greatly in amount, occurred quite generally in the periods 19-20th, and 29th-31st. Practically all precipitation occurred in connection with thunderstorms, which were frequent and attended by considerable damage and a number of fatalities.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour.	Direction.	Date
Cairo ..... Ill.	29.98	30.22	25	29.78	2	4774	6.4	60	nw.	31
Cincinnati .....Ohio	30.01	30.29	26	29.80	30	3810	5.1	27	w.	26
Evansville..... Ind.	30.01	30.24	25	29.81	14	5908	7.9	54	w.	19
Lexington .....Ky.	30.02	30.27	25	29.81	29	7676	10.3	39	ne.	11
Louisville .....Ky.	30.02	30.27	25	29.83	29	6621	8.9	33	s.	28

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m	Noon.	7 p. m	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less
Cairo .....Ill.	77	50	58	385.4	447.1	86	21	6
Cincinnati .....Ohio.	77	47	51	327.1	452.3	72	16	9
Evansville .....Ind.	71	44	50	383.8	449.8	85	22	9
Lexington .....Ky.	74	48	.....	299.4	449.8	67	10	1
Louisville .....Ky.	72	45	50	297.3	449.8	66	14	4

COMPARATIVE DATA FOR JULY.

Year	Temperature. Monthly average	Departure from 30-year normal	Highest	Lowest.	Precipitation Monthly average	Departure from 30-year normal	No. of days with .01 or more
1889	75.1	− 1.6	98	50	5.62	+1.32	
1896	73.0	− 3.7	101	44	2.66	−1.64	
1891	74.0	− 2.7	91	47	4.08	−0.22	
1892	76.5	− 0.2	100	48	3.30	−1.00	
1893	78.8	+ 2.1	101	50	3.48	−0.82	
1894	76.2	− 0.5	105	43	2.03	−2.27	
1895	77.2	− 1.5	99	49	5.75	+1.45	9
1896	77.4	+ 0.7	103	47	7.44	+3.14	11
1897	77.8	+ 1.1	107	50	4.79	+0.49	10
1898	77.8	+ 1.1	102	48	4.71	+0.41	11
1899	77.3	+ 0.6	100	47	3.78	−0.52	9
1900	77.9	+ 1.2	103	50	4.91	+0.61	11
1901	81.7	+ 5.0	112	48	1.72	−2.58	5
1902	78.1	+ 1.4	107	48	1.91	−2.39	6
1903	77.5	+ 0.8	104	49	3.53	−0.77	8
1904	75.2	− 1.5	99	46	3.40	−0.90	10
1905	75.9	− 0.8	102	52	5.93	+1.63	13
1906	75.2	− 1.5	100	51	6.02	+1.72	11
1907	78.1	+ 1.4	102	49	4.71	+0.41	9
1908	76.9	+ 0.2	100	50	3.94	−0.36	10
1909	74.8	− 1.9	99	48	6.01	+1.71	13
1910	76.2	− 0.5	96	51	8.63	+4.33	16
1911	75.8	− 0.9	105	42	2.28	−2.02	7
1912	76.8	+ 0.1	100	53	5.50	+1.20	12
1913	79.9	+ 3.2	109	48	2.54	−1.76	7
1914	78.8	+ 2.1	109	43	3.20	−1.10	6
1915	75.7	− 1.0	102	49	5.30	+1.00	11
1916	78.6	+ 1.9	102	52	4.17	+0.13	9
1917	75.3	− 1.4	100	50	4.38	+0.08	11
1918	73.8	− 2.9	103	46	3.28	−1.02	8
1919	79.6	+ 2.8	104	50	2.10	−2.26	6
1920	75.2	− 1.5	99	44	3.85	−0.45	9
1921	81.1	+ 4.4	108	52	2.65	−1.65	7

Climatological Data for July, 1921.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall recorded.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Upper Division																				
																				Miss Addie B. Taylor.
	Ohio	441	17	82.8	+ 5.2	102	18	55	22	40	1.92	−2.47	0.72	0	6	26	2	3	s.	E. W. Horr.
	Bullitt	445	39	81.5	+ 3.6	98	14+	59	23	30	2.36	−1.53	1.29	0	5	14	14	3	sw.	W. A. Taylor.
	McLean	437	18	80.7	+ 5.9	103	3	60	22‡	35	2.05	−2.54	1.20	0	4	7	24	0	sw.	Brick Southworth.
	Hopkins	426	30	83.2	+ 4.8	104	14	57	22	36	0.91	−3.16	0.77	0	3	27	2	2	s.	C. R. Lovell.
	Muhlenburg	519	4	*81.7	.....	*101	14+	*56	22	*36	1.42	.....	0.90	0	5	16a	14a	0a	s.	W. W. Shelby.
	Henderson	325	12	.....	.....	.....	.....	.....	.....	.....	2.74	−1.02	0.83	0	8	.....	.....	.....	.....	.....
	Christian	524	24	82.5	+ 3.7	106	3	58	22	37	3.92	−0.11	1.47	0	6	19	8	4	sw.	W. E. Graves.
Central Division																				
																				Frank Hicks.
	Crittenden	571	22	83.4	+ 5.6	101	14	64	22+	39	2.59	−1.43	1.05	0	5	13	17	1	sw.	B. C. Paris.
	Graves	564	30	82.4	+ 4.8	102	14	63	22	31	3.09	−1.55	1.50	0	4	23	8	0	nw	N. E. Douthit.
	Daviess	479	24	82.8	+ 4.8	103	3+	66	23	30	2.60	−1.25	1.27	0	8	20	8	3	se.	Henry S. Berry.
	McCracken	316	4	83.9	.....	102	14	61	23	34	2.34	.....	0.73	0	5	12	16	3	sw.	D. T. Haydon.
	McCracken	341	32	.....	.....	.....	.....	.....	.....	.....	0.34	−3.64	0.18	0	2	.....	.....	.....	.....	Frank L. Brown.
	McCracken	329	10	82.2	+ 3.6	100	3	60	23	32	2.37	−1.25	0.75	0	10	8	21	2	s.	Dr. W. L. Cash.
	Caldwell	500	8	81.4	+ 3.7	100	4†	58	22	31	2.21	−2.80	0.93	0	6	24	4	3	s.	E. C. Shelton.
	Logan																			
Lower Division																				
																				Frank Hicks.
	Clinton	811	26	.....	.....	.....	.....	.....	.....	.....	0.87	−3.57	0.38	0	4	21	10	0	sw.	C. E. Barret.
	Jefferson	700	29	81.9	+ 5.9	103	5	56	22	39	0.34	−4.14	0.21	0	3	22	1	8	s.	Chas. M. Talbott.
	Nelson	657	24	82.5	+ 4.0	102	31	61	22	35	2.16	−1.85	1.01	0	5	20	7	4	s.	Mrs. Lillie G. Causey.
	Warren	500	30	83.1	+ 4.5	102	31	60	22	35	2.61	−1.85	1.01	0	5	20	7	4	s.	James H. Young.
	Edmonson	419	3	.....	.....	.....	.....	.....	.....	.....	1.53	.....	0.54	0	10	.....	.....	.....	.....	.....
	Pulaski	773	28	.....	.....	.....	.....	.....	.....	.....	4.71	−0.22	1.40	0	10	.....	.....	.....	.....	F. E. Bradshaw.
	Hardin	736	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Signal Corps, U. S. A.
																				Charlie Oliver.
	Carroll	492	21	.....	.....	.....	.....	.....	.....	.....	2.38	−1.02	0.69	0	5	.....	.....	.....	.....	.....
	Breckenridge	355	7	.....	.....	.....	.....	.....	.....	.....	2.74	.....	1.71	0	7	.....	.....	.....	.....	W. A. Cockerill.
	Pulaski	1177	26	79.0	+ 4.3	97	7	59	17	34	2.16	−2.47	0.56	0	6	6	6	19	se.	Mrs. Katie Payne.
	Franklin	850	27	81.6	+ 4.7	98	5	59	22	31	0.82	−3.29	0.36	0	6	22	3	6	w.	Mrs. Amelia Wood
	Franklin	800	25	82.6	+ 5.1	100	4†	61	22	33	3.32	−0.79	1.03	0	7	8	22	1	s.	Volney Jameson.
	Simpson	691	25	82.6	+ 5.1	100	4†	61	22	33	3.32	−0.79	1.03	0	7	8	22	1	s.	Fidelia Edwards.
	Barren	788	0	82.2	.....	101	5†	60	22	33	1.16	.....	0.90	0	4	28	2	1	sw.	.....
	Green	881	28	78.5	+ 1.9	97	5†	55	22	36	2.44	−2.15	0.82	0	11	14	11	6	se.	Mrs. Bettie E. H. Aborn.
																				Miss Lulu Wood.
	Jessamine	792	18	.....	.....	.....	.....	.....	.....	.....	3.28	−1.04	1.78	0	6	.....	.....	.....	.....	.....
	Breckenridge	636	23	82.9	+ 5.5	100	18	62	22	30	0.82	−2.73	0.42	0	3	25	5	1	sw.	W. J. Piggott.
	Boyle	985	27	79.2	+ 4.2	98	5	57	23	37	3.40	−0.90	1.30	0	11	11	9	11	s.	Prof. E. L. Grubbs.
	Boyle	635	25	81.4	+ 4.8	98	3†	63	22†	32	4.42	+0.28	2.40	0	10	13	18	0	sw.	John E. Stone.
	Grayson	680	33	80.2	+ 3.6	96	6	64	21	24	1.04	−3.40	0.60	0	8	16	10	5	sw.	U. S. Weather Bureau.
	Fayette	980	33	80.2	+ 3.6	96	6	64	21	24	1.64	−2.70	0.53	0	5	15	12	4	n.	U. S. Weather Bureau.
	Jefferson	525	48	82.5	+ 3.9	98	4	64	22	26	1.31	−4.31	0.61	0	7	21	8	2	s.	Wm. I. Hunt.
	Do	444	11	80.2	+ 3.7	94	4*	60	22	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hardin	777	24	81.5	+ 5.8	101	31	58	22	35	1.02	−2.53	0.45	0	6	22	6	3	.....	Sisters of Loretto.
	Kenton	900	23	79.3	− 2.7	98	5	60	22	30	5.58	+2.24	2.00	0	8	10	20	1	s.	E. B. Wilson.
	Shelby	825	31	80.2	+ 3.3	101	5	55	22	38	1.06	−3.04	0.65	0	5	10	17	4	s.	Mrs. W. T. Miller.
	Spencer	488	18	80.2	+ 4.1	98	5	55	22	37	3.32	−0.95	1.75	0	8	23	3	5	se.	E. D. Bourne.
	Grant	943	18	79.1	+ 3.4	98	5	59	22	31	3.68	0.00	1.30	0	11	16	12	3	nw.	Mrs. E. S. Humlong.
	Butler	593	3	.....	.....	.....	.....	.....	.....	.....	1.70	.....	0.53	0	6	.....	.....	.....	.....	J. C. Stinson.
Eastern Division																				
																				S. A. Driver.
	Harlan	1250	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forester Farley.
	Boyd	544	3	79.2	.....	96	5†	60	22†	32	2.80	.....	1.04	0	9	19	5	7	w.	Mrs. Salina E. Hall.
	Lee	650	16	79.2	+ 3.8	101	7	58	23	36	3.36	−1.67	0.73	0	11	12	12	7	w.	Prof. Chas. D. Lewis.
	Madison	1070	18	*78.6	+ 2.7	99‡	4†	58‡	22	34†	3.61	−0.95	1.18	0	6	20a	6a	4a	sw.	P. H. Kehoe.
	Harrison	684	3	.....	.....	.....	.....	.....	.....	.....	0.85	.....	0.50	0	2	.....	.....	.....	.....	.....
	Bracken	680	32	.....	.....	.....	.....	.....	.....	.....	3.01	−0.71	1.30	0	7	.....	.....	.....	w.	J. V. Oldham
	Rowan	668	13	.....	.....	.....	.....	.....	.....	.....	1.50	−3.80	0.53	0	5	14	16	1	se.	Mrs. Edna Tinsey.
	Breathitt	776	9	77.7	.....	97	4*	52	22	37	5.20	+1.17	1.50	0	12	12	5	14	nw.	Nick Kelly.
	Laurel	1100	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. R. Lee.
	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	3.74	+0.38	1.54	0	7	.....	.....	.....	.....	T. D. Snyder.
	Lawrence	524	23	81.1	+ 4.1	100	5	61	22	33	3.37	−1.17	2.00	0	9	15	11	5	e.	Harry M. Robinson.
	Massie	1128	25	77.2	+ 2.5	97	9	58	24	33	6.81	+1.31	2.00	0	15	12	19	0	.....	B. H. Perkins.
	Bell																			
	Montgomery	900	31	79.8	+ 4.6	97	5*	60	21†	33	2.36	−2.70	0.71	0	10	24	6	1	w.	W. R. McKee.
	Greenup	540	1	.....	.....	.....	.....	.....	.....	.....	3.47	.....	0.94	0	9	.....	.....	.....	.....	W. C. Hash.
	Pike	654	15	.....	.....	.....	.....	.....	.....	.....	5.18	+1.19	1.12	0	10	.....	.....	.....	.....	I. M. Williams.
	Madison	926	26	81.0	+ 4.1	98	4†	63	22	29	2.16	−1.71	1.19	0	7	26	5	0	.....	J. W. Crooke.
	Lewis	525	4	.....	.....	.....	.....	.....	.....	.....	5.53	.....	1.69	0	9	.....	.....	.....	.....	Samuel Johnson.
	Whitley	959	23	*78.1	+ 1.6	97‡	5	60‡	22†	33‡	5.36	−0.51	0.91‡	0	.....	7‡	19‡	3‡	s.	D. B. Bradley
				81.1	.....	106	3	52	22	40	2.65	.....	2.40	0	7	17	10	4	.....	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining the averages of division means.
Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, 5 represents two days, etc.
: Also on other dates. *a* Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.
* Postoffice address, Covington, Ky.

MISCELLANEOUS

July 5.—During a heavy local storm at Owensboro, a theater was unroofed and practically ruined, a building was damaged by lightning, much plate glass was broken and wire systems extensively damaged.

July 13.—A woman was killed by lightning near Paris.

July 14.—A residence and church were damaged by lightning at Jackson.

July 18.—A girl was killed by lightning at Prestonburg.

July 19.—Fifty head of cattle were drowned and several bridges swept away along Otter Creek, Madison County, due to a heavy local rain.

Daily Precipitation for July, 1921.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
...ver Dam ..... G					50				10											72				28		12					
...nville ..... M	1.29										.83								.11	.04												
...ston ..... G						T		.06	T						T.				T.	.16					T	T		.03	T	T		
...rington ..... G										.15									T	.77						.02						
...ville ..... G		.01																	.03	.90					10							
...dy ...rson ..... O	.03																															
...insville C		T									1.47		.07	T		20			43	.40				.09		55						
...sville ..... O	T.							T		21				.12	T				1	.60						T						
...field ..... M																.40			1.60	1.50												
...chester ..... O					1.27				.06										.05	.10					T	.33	.39		.3	1.		
...heath (Lone Oak) ..... O	.40																															
...ttsville ..... O																			.28	.32										.78	.6	
...nston ..... G				.75				.03	.08	T					.23			T	.04	.16			T		.61	.11		.66		T	.4	
...ellville ..... G				.02					.59											.93						.02			.01		.64	
Central Division																																
...ia C																																
...orage ..... O								T	T										.13					T.	T	T		.03	.08	.25		
...stown ..... S										.21			.03																.10			
...ville ..... G	.48									.38					1.01				T	.47				.27		T						
...sville ..... G	.04		.32					T.		.54				.15	.03				.08	.29							.02	.03		.03		
...nside C	.26								.06	.38		.37	T.	.06	T.	1.40	T.		T.	1.10						.27				.53	.28	
...p Knob* ..... O																																
...ollton ... (Lock No. 1) ..... O																																
...eport ... O	T.								.02					.24	T	T			.69							.58	.12		.02	.37		
...s C									.30							.48			.47						.27	.02	.01	1.71	T			
...kfort ..... K									.06	.36				T.	T	.02			.10	.48					T	T	.22		.50	.20		
...klin ..... G									.36						.33				.03										.12	T		
...kson ..... G																			.55	.18						.02				.65	.87	
...nsburg ..... G	.25							.09	.20				.02			.54			.90	.15								.06	.65			
...h Bridge ..... K																			.06	.16						.10		.82	.03	.10		
...rson ..... O								T.		.37			.30			.07				.09							.07		1.58			
...son City ..... K									1.30	.15	T.	T	T	.04	.02	.10			.02						T			.68	.42			
...field ..... G	.02	.10				.40			.16		T								.67		.68				.12	.38			.16			
...ston *** ..... K								.06	T.		T	T	.06	.01	.10				.10	.91					T			.18	.12	.03	2.40	
...VILLE*** ..... O						T.		T					.01		T				.04					T	T			.05	.12			
... (Cherokee Park) ..... O								T.											.28					.66	T	T	T	.53	.06			
...ohn ..... S	T.		.45													.05			.15	.07				.09	.05	.10	T.	T.	.61	.24		
...t L								T			.10			2.00	T.				.14	.01						.19	1.			T.		
...byville ..... S				.10						.65									.45		.08		T		1.80		.72	.31	.12		
...sville ..... S									.17			.30	.04	T.	T	T			.04				.22		T			.65				
...rstown L	.02								.28	.01		.12			1.30					T			T	.26	1.75	T		.06	.22	.52		
...sbury ..... G	.04									.55						.01			.82	T.						.14	.13	.86		.10	.40		
																				.51				.23			.38					
Eastern Division																																
...land ..... K																																
...ville ..... O										.22	.15	.08	.20		1.04	.61				.10								.16		.27		
...a ..... K	T.								.50	.73	.31	T	T.		.21	.20			.36	.56						.02	.02		.02	.36		
...han ..... K									.77																1.18		.34		.15	.10	1.10	
...outh L										T		T.							T	T.	T			T	T		T.		.35	.50		
															1.30				.23						.02		.10	.02	.34	1.03		
...ers L								T						.11		.53			.39							T			.27	.40		
...on ..... K								.48	.10		.15	.20			.55	1.50				.15	.10				T.	.20	T.	T.	.48	.57	.45	
...sville ..... O									.54		1.54	.12			.32	.51										.18			.63			
...chero C								.12	.15		.12				.25	T			.10	T					T	.23	.30		2.00	.10		
... Sterling L						.07		2.66	.73	.02		.03		.10	.45				.90	.68					.07	.18			.58		.72	
								T.	.55	T.	.03				.03	.40				.13				T	.06	.20	.11	.14	.71				
...ar ..... O									.17			.94		.48		.66			.40							.12	.22	.28	.26			
...ville ..... B									.62			.32				.22				.84	1.12				.16		1.12		.08	.52		
...mond ..... K									.10	.16			.40		T				.13	1.19					T.	.04			.14	T	T.	
...oburg ..... O									.50	1.50		.05			1.69	.80			.64							.48			.17	.10		
...iamsburg C									.28	.80		.11	T		* 2	15				.88	.12					.04	T.	.91	.08	T.	.24	

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

; Separate dates of falls not recorded. T Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy, (L) Licking, (K) Kentucky, (S) Salt, (G) Green, (C) Cumberland, (T) Tennessee, (O) Ohio, (M) Mississippi.

* Precipitation for 24 hours ending at 3 a. m.

July 25.—A residence was wrecked by lightning near Georgetown, and a man was killed by lightning near Hopkinsville.

July 26.—Hail destroyed 25 acres of tobacco in Scott County, with a loss estimated at $3,000.

July 30.—Four persons were injured and 20 others shocked by lightning that struck a tree near a funeral party at Valley, Jeenup County. A windstorm damaged buildings at Maysville.

July 31. Buildings were unroofed and two residences struck by lightning at Hopkinsville. A severe windstorm damaged wire systems in Ballard and adjoining counties.

A death at Louisville on the 9th and two on the 16th, also two deaths at Paducah on the 7th, were attributed to heat. Prostrations from heat were reported on several other dates.

Rivers. The streams of the State, including the Ohio, were at unusually low stages during the month. Navigation between Louisville and Evansville was impeded by low water.

Daily Temperatures for July, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	98	100	101	100	99	99	97	93	92	97	99	99	97	99	100	98	101	102	97	92	92	95	93	95	95	95	98	99	100	96	100	100	97.5
	Minimum	67	62	67	70	69	71	72	74	72	69	68	65	65	66	70	73	64	64	69	69	63	55	64	67	70	67	69	70	72	74	67	68.2
Blandville	Maximum	93	92	95	96	95	95	91	87	92	93	98	97	96	98	94	94	98	94	84	88	89	90	89	89	89	91	92	95	94	95	98	92.8
	Minimum	65	65	72	72	69	76	74	71	73	71	72	71	73	72	76	73	73	74	72	71	67	63	59	68	71	71	71	75	77	75	69	70.8
Calhoun	Maximum	94	98	103	101	99	98	96	91	94	97	98	98	96	102	98	98	102	100	96	90	92	93	95	93	90	97	100	96	97	98	96	96.7
	Minimum	81	69	68	72	71	74	72	73	75	71	69	68	69	70	72	73	68	74	79	70	67	60	60	71	71	69	69	72	72	72	70	70.7
Earlington	Maximum	95	99	101	103	101	100	97	90	94	94	101	97	97	97	104	101	99	100	100	91	91	90	92	93	92	91	97	97	101	101	101	97.1
	Minimum	68	69	69	70	70	70	72	74	74	70	71	70	65	68	69	73	67	68	77	68	64	57	58	69	71	70	70	75	71	72	70	69.3
Greenville	Maximum	..	95	98	99	100	98	99	94	94	94	98	96	96	101	99	96	99	101	91	88	88	92	92	93	89	94	95	97	97	99	101	95.8
	Minimum	..	66	68	70	69	70	76	74	72	69	68	64	66	66	68	71	65	65	75	68	64	56	59	65	67	67	68	72	70	71	66	67.6
Hopkinsville	Maximum	94	97	106	105	100	101	99	96	92	93	94	95	96	101	100	96	103	101	88	90	89	91	95	94	95	97	98	100	100	98	97	96.7
	Minimum	67	66	69	71	72	74	71	72	72	69	66	68	67	69	70	72	68	69	75	69	64	58	60	64	69	64	67	69	71	72	66	68.8
Marion	Maximum	92	95	98	100	98	100	98	89	94	97	97	98	97	98	97	96	100	102	95	96	100	100	98	90	91	90	90	94	99	97	97	96	94.8
	Minimum	70	69	75	76	72	75	75	74	72	71	70	71	72	74	70	71	73	75	76	72	65	64	64	72	73	73	73	75	75	75	66	71.9
Mayfield	Maximum	93	95	97	100	98	98	94	90	89	89	98	98	98	100	102	95	96	100	100	85	86	87	90	90	90	92	92	97	96	95	97	93.9
	Minimum	70	67	69	75	71	75	72	74	72	69	71	70	72	71	70	75	71	73	70	73	66	63	64	69	70	71	70	74	75	74	70	70.8
Owensboro	Maximum	94	96	100	100	97	96	94	89	91	93	96	96	97	99	97	97	99	98	97	89	89	90	90	92	93	91	92	94	94	92	94	94	94.2
	Minimum	70	70	72	73	72	71	73	72	74	71	71	70	71	69	72	73	70	68	75	79	68	66	69	66	68	71	70	70	73	71	72	69	71.5
Paducah (Lone Oak)	Maximum	94	91	97	100	96	99	96	98	94	98	98	99	100	102	96	97	101	100	88	90	91	93	95	95	94	96	96	100	98	98	99	96.4
	Minimum	70	72	73	73	71	74	74	71	74	71	72	70	72	72	71	73	72	72	73	71	66	66	61	66	71	73	73	76	76	76	68	71.4
Princeton	Maximum	95	96	100	99	96	98	96	85	87	89	95	94	94	97	94	95	97	96	87	87	89	90	92	90	92	92	96	93	95	95	93	93.4
	Minimum	70	70	69	73	71	76	72	73	72	70	69	67	66	80	70	73	71	70	71	71	67	64	60	75	71	71	68	71	72	73	69	71.2
Russellville§§	Maximum	95	94	99	100	99	100	97	92	86	91	94	95	95	98	98	95	94	98	100	83	86	82	91	94	95	95	97	97	98	97	97	94.3
	Minimum	67	68	68	70	70	71	71	73	68	71	70	67	67	73	70	73	73	68	67	72	68	64	58	63	66	63	68	70	72	71	74	67	68.6
Central Division.																																	
Alpha	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anchorage	Maximum	96	99	101	101	103	100	98	94	96	97	97	98	95	97	97	96	100	102	94	91	92	93	96	96	95	97	99	99	93	95	94	96.8
	Minimum	67	63	67	68	70	70	68	70	70	65	66	65	65	70	70	68	61	64	74	67	62	56	63	67	67	67	68	70	70	67	70	67.0
Bardstown	Maximum	95	95	99	99	101	98	95	95	90	95	97	95	92	95	97	94	97	100	97	93	90	94	94	95	94	94	96	99	94	99	102	95.8
	Minimum	67	66	70	69	71	72	71	73	73	73	76	68	69	68	73	70	64	65	77	74	65	61	64	67	70	69	66	72	70	70	68	69.2
Bowling Green	Maximum	97	97	101	101	101	100	98	94	94	92	99	98	96	101	98	96	100	100	90	91	93	95	93	93	92	96	99	99	96	99	100	97.0
	Minimum	68	69	71	73	72	72	71	72	72	71	69	69	69	73	73	73	68	67	78	69	67	60	65	66	69	69	69	72	72	75	69	69.9
Camp Knox	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eubank	Maximum	95	95	95	94	94	95	97	96	95	95	94	94	89	89	91	90	90	93	88	90	83	92	90	95	94	96	95	96	95	91	92	92.6
	Minimum	64	64	65	65	66	66	67	67	69	68	66	65	68	65	67	68	59	61	73	70	62	60	61	69	66	64	67	70	67	70	64	66.5
Frankfort	Maximum	92	96	97	97	98	97	96	94	89	94	97	96	94	97	96	95	96	97	94	91	88	90	93	93	91	96	95	94	92	94	92	93.5
	Minimum	70	68	70	71	72	74	72	75	74	70	69	68	71	71	73	69	64	66	76	74	67	59	63	68	68	69	68	72	71	71	68	69.7
Franklin	Maximum	94	94	99	100	100	98	95	94	93	92	97	97	95	100	98	95	98	99	95	88	89	91	91	95	94	97	101	99	99	100	99	96.7
	Minimum	68	69	70	72	71	72	70	70	71	72	71	70	68	69	71	73	68	68	72	69	65	61	66	67	69	69	70	75	72	71	67	69.5
Glasgow	Maximum	96	94	99	100	101	101	97	94	92	94	93	96	93	98	97	96	98	97	89	90	90	93	92	92	92	97	96	98	96	95	98	96.0
	Minimum	67	67	68	71	72	71	71	72	73	69	69	66	67	68	71	70	65	68	73	68	67	60	66	68	76	68	68	68	71	72	73	68	69.0
Greensburg	Maximum	91	92	95	96	97	95	94	91	89	92	93	92	86	89	94	87	91	96	90	88	86	89	90	94	94	95	97	92	93	93	95	92.0
	Minimum	65	65	66	66	65	67	66	69	69	66	66	64	65	64	65	69	61	60	73	67	62	55	59	63	66	65	64	66	66	67	65	65.0
Irvington	Maximum	93	93	96	97	98	96	95	92	93	94	95	96	92	96	98	94	96	100	93	90	88	92	94	94	90	96	97	95	92	94	95	94.4
	Minimum	68	68	71	73	74	75	76	76	74	69	71	69	70	73	73	69	67	70	76	74	67	62	71	68	72	72	72	75	71	73	72	71.4
Junction City	Maximum	93	95	97	96	98	97	97	93	89	91	93	94	91	93	94	91	91	94	90	90	94	96	94	91	88	92	91	91	92	95	94	93.1
	Minimum	64	63	64	66	65	65	64	69	70	69	65	66	63	64	70	69	59	59	67	73	70	61	57	66	67	69	64	67	69	68	67	65.3
Leitchfield	Maximum	95	96	98	98	98	97	94	89	88	93	94	95	91	95	98	93	96	98	91	89	90	92	87	91	88	93	95	95	94	95	97	93.5
	Minimum	68	68	70	71	73	73	72	71	73	69	69	68	68	71	73	66	66	75	69	66	63	63	63	68	76	69	68	70	70	71	69	69.3
Lexington	Maximum	90	94	95	96	95	96	94	91	85	89	89	88	86	86	88	88	91	94	90	85	85	88	90	85	86	87	88	87	91	89	90	88.9
	Minimum	71	74	76	77	74	76	75	73	71	69	71	70	67	71	72	71	71	74	71	68	68	68	70	70	69	69	71	70	71	70	70	70.7
Louisville	Maximum	94	96	98	98	96	97	94	89	92	92	92	93	90	92	94	92	94	96	92	92	85	88	90	90	92	87	88	94	94	91	92	92.3
	Minimum	74	74	74	75	76	76	74	78	76	74	74	73	72	73	75	72	71	73	74	72	66	64	70	72	72	72	71	70	70	72	72	73.1
Do (Cherokee Park)	Maximum	90	91	91	94	94	94	90	89	90	91	91	86	90	90	90	90	92	94	90	88	86	87	88	89	85	88	91	91	88	89	87	89.9
	Minimum	69	68	71	73	74	79	73	75	75	70	70	70	70	72	74	69	65	67	75	70	64	60	68	68	69	67	66	70	70	72	70	70.5
St. John	Maximum	94	93	95	96	98	97	95	93	89	95	96	95	92	97	100	92	96	98	95	92	88	90	92	92	90	97	96	98	96	98	101	96.8
	Minimum	65	65	67	71	72	72	71	71	72	66	67	67	67	72	71	64	64	73	72	63	58	67	66	70	69	66	72	69	69	68	68	69.2
Scott	Maximum	91	94	92	95	98	93	94	91	90	94	93	90	92	91	89	89	93	94	89	94	85	86	93	92	87	88	92	91	86	89	88	90.6
	Minimum	65	67	70	68	71	73	71	73	71	69	65	71	68	68	71	65	64	66	73	66	62	60	62	68	69	66	67	71	70	68	70	67.4
Shelbyville	Maximum	95	97	96	98	101	98	96	95	94	97	96	97	94	94	97	96	97	98	94	92	91	93	95	94	92	93	98	96	94	93	96	95.4
	Minimum	66	63	65	65	69	69	70	69	65	68	64	65	66	68	69	61	64	71	68	65	58	55	61	64	64	64	63	67	66	65	64	65.0
Taylorsville	Maximum	93	96	94	97	98	95	96	93	92	90	92	93	92	93	95	95	96	98	93	92	87	92	91	92	87	86	96	95	92	91	90	93.7
	Minimum	67	64	68	68	71	70	70	69	73	68	67	66	68	68	73	70	62	62	78	73	65	55	60	65	68	68	67	70	70	69	68	67.7
Williamstown	Maximum	92	95	95	95	98	96	93	92	90	92	91	91	91	88	91	90	92	93	89	86	87	90	92	89	89	93	94	95	89	93	94	92.3
	Minimum	67	68	70	69	70	71	70	73	71	67	67	66	66	67	69	64	63	65	71	65	60	59	63	67	67	65	66	70	64	67	68	69.0
Eastern Division.																																	
Ages	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ashland	Maximum	90	91	94	95	96	93	91	93	92	90	91	88	86	88	84	87	90	91	93	89	84	87	88	89	92	90	94	96	94	92	92	90.4
	Minimum	69	69	66	68	69	71	72	72	70	68	75	67	66	70	67	63	68	75	70	64	65	66	69	63	63	68	67	67	72	73	70	70	69.0
Beattyville	Maximum	94	96	97	99	100	98	103	95	89	90	91	88	89	90	91	88	88	88	86	90	86	90	90	91	90	90	94	99	98	98	94	95	93.3
	Minimum	66	64	64	64	61	68	65	67	70	65	66	65	66	68	66	70	61	63	70	60	68	68	68	75	67	66	65	65	70	69	66	66	66.1
Berea	Maximum	94	95	98	99	99	97	97	94	88	91	96	96	91	91	92	89	94	96	89	90	83	89	91	90	89	87	92	..	..	..	..	..	92.5
	Minimum	62	63	65	65	65	66	67	65	67	69	64	64	64	65	70	69	60	62	71	72	63	58	63	63	67	68	62	..	..	..	..	..	65.6
Jackson	Maximum	93	95	96	97	95	96	97	95	91	89	89	88	90	89	90	89	90	87	91	93	87	89	88	90	87	90	91	88	87	89	91	93	91.6
	Minimum	67	65	64	63	65	70	66	68	68	71	67	67	66	68	67	67	66	68	67	75	65	64	66	62	60	58	57	59	61	62	66	68	65.8
Maysville	Maximum	91	94	96	98	99	100	99	94	98	92	93	93	91	90	91	94	90	93	98	94	91	89	90	94	93	94	96	95	95	98	95	93	94.7
	Minimum	68	69	71	67	71	73	72	72	72	68	69	69	68	72	70	66	66	65	75	69	62	61	63	63	68	67	67	72	70	68	69	68	68.4
Middlesboro	Maximum	91	93	95	95	95	94	95	94	95	85	89	87	87	87	88	87	89	90	84	81	81	85	86	82	86	85	90	93	92	88	92	91	89.3
	Minimum	65	65	62	62	65	61	66	67	66	65	68	65	66	64	66	66	66	63	73	69	61	60	63	58	65	64	63	66	67	69	68	66	65.3
Mount Sterling	Maximum	91	94	95	96	97	96	96	96	93	92	93	90	89	94	93	87	90	93	87	90	86	89	92	94	92	94	97	92	93	93	93	93	92.6
	Minimum	66	64	66	65	69	71	68	74	71	67	66	66	66	65	68	65	62	68	74	70	66	61	69	64	64	66	68	73	70	69	69	68	67.9
Richmond	Maximum	94	96	97	98	98	98	97	93	86	92	92	93	91	89	91	89	95	97	87	89	87	89	91	91	87	90	93	95	92	92	94	93	92.2
	Minimum	69	69	71	72	72	74	72	74	70	69	70	69	67	70	70	70	67	68	74	71	64	63	65	68	70	68	69	72	71	71	70	69	70.1
Williamsburg	Maximum	94	95	96	96	97	94	95	89	92	89	90	88	87	89	..	..	..	93	90	86	88	86	87	89	91	91	87	90	93	95	92	92	94	92.0
	Minimum	65	65	66	65	64	69	67	67	68	67	67	66	65	67	..	..	..	68	64	72	70	63	69	67	65	64	65	67	70	71	69	66	66.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

.. indicate respectively 1, 2, 3, etc., days missing from record.

551.05
LNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., AUGUST, 1921. No. 8

GENERAL SUMMARY.

The drought that prevailed in June and July preceding was broken in the northern and eastern counties by good rains during the first week in August, while moderate showers in other districts afforded temporary relief. Heavy precipitation over the State in the period 11-14th, the first general rains since May, brought the drought to an end and started late crops to growing. On account of the large root systems developed during the dry weather, late corn and tobacco made unusually rapid and vigorous growth after the rains came. Early corn had nearly matured and was only slightly benefited; but the late portion of the crop received the moisture about the time of silking and tasseling, and had eared well by the end of the month, with promise of practically a full yield. Deficient sunshine and several cool nights during the first half of the month were rather unfavorable for corn, but ample sunshine and temperature above normal during the last two weeks were decidedly beneficial. Tobacco was unusually small when the rains occurred and, although it grew rapidly, much of it did not have sufficient time to reach full size. Topping was finished late, which will result in deferring maturity until there is danger of injury by frost. The showers favored the spread of rust, which appeared in both the burley and dark districts. Late potatoes, planted during the dry weather in July, had not come up well; but the rains and moderate temperature caused a marked improvement in the stand. The weather during the last two weeks was ideal for the growth of this crop. Pastures revived so quickly that plenty of grass was soon available, and feeding of stock was discontinued. Improvement in cow peas made possible the harvesting of a fair crop of hay during the last week. There was considerable improvement in alfalfa and second crop clover, also in young clover that had survived the drought. Fall plowing began during the third week, with the soil moist and mellow. Alfalfa was sown about this time under conditions favorable for germination. Gardens and truck farms were producing a good supply of vegetables at the end of the month.

TEMPERATURE.

The temperature for the month, 39 stations reporting, averaged 76° which is 0.3° above normal. Maximum temperatures of 90° or higher were registered generally during the first week, in the period 17-20th, and on the last three days; although the long period of continuous heat ended with the high temperatures of the 2d. Temperatures were moderate and the nights cool in the periods 8-16th and 22d-28th. The extremes at the various stations ranged between 101° at Bowling Green, on the 2d, and 48° at Greensburg on the 10th.

PRECIPITATION.

The average precipitation, based on the reports of 53 stations, was 5.28 inches, which is 1.72 inches above normal for August. The distribution over the State was in northeast-southwest belts, one covering most of the eastern mountain region, another extending from the lower Licking basin to Simpson County, and a third from the lower Green to the lower Cumberland. In these belts the monthly amounts ranged generally between 5.0 and 7.5 inches; while in the districts between them they ranged from 4.0 to 5.0 inches. In the agricultural portion of the State the heaviest precipitation generally occurred where drought conditions were most intense in July preceding. Light to heavy showers occurred on the 3d, and in the period, 6-7th. Moderate to heavy rains were general from the 11th to 18th, and local showers occurred in the central and western counties

(Continued on next page.)

PRESSURE AND WIND.

Stations	Atmospheric Pressure (In inches reduced to sea level.) Average	Highest.	Date	Lowest.	Date	Wind Total movement	Average hourly velocity	Max. Velocity * Miles per hour	Direction	Date
Cairo ..... Ill.	30.03	30.21	30	29.83	6	4752	6.4	38	ne.	1
Cincinnati ..... Ohio	30.06	30.28	21	29.78	17	3924	5.3	32	nw.	7
Evansville ..... Ind.	30.06	30.25	21	29.85	2	6260	8.4	48	nw.	26
Lexington ..... Ky.	30.07	30.27	30	29.87	17	8307	11.2	45	n.	26
Louisville ..... Ky.	30.07	30.27	21	29.85	17	6462	8.7	37	w	20

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	84	61	68	286.0	420.0	68	14	3
Cincinnati ..... Ohio.	82	58	68	298.7	423.5	71	18	3
Evansville ..... Ind.	79	54	62	313.4	421.7	74	16	1
Lexington ..... Ky.	80	57	.....	265.0	421.7	63	10	4
Louisville ..... Ky.	78	58	63	265.4	421.7	63	13	4

COMPARATIVE DATA FOR AUGUST.

Year	Temperature Monthly average	Departure from 30-year normal.	Highest	Lowest	Precipitation Monthly average	Departure from 30-year normal.	No. of days with .01 or more rain
1889	70.6	−5.1	100	43	1.23	−2.33	
1890	73.2	−2.5	101	44	6.16	+2.60	
1891	72.9	−2.8	103	43	5.82	+2.26	
1892	75.4	−0.3	96	45	3.16	−0.40	
1893	74.8	−0.9	99	48	1.72	−1.84	
1894	77.1	+1.4	105	41	3.02	−0.54	
1895	76.6	+0.9	102	49	2.15	−1.41	6
1896	77.1	+1.4	105	41	2.83	−0.73	5
1897	75.2	−0.5	101	49	2.33	−1.23	6
1898	76.7	+1.0	100	55	3.83	+0.27	7
1899	78.1	+2.4	102	51	3.09	−0.47	6
1900	80.4	+4.7	104	52	4.74	+1.82	6
1901	75.5	−0.2	101	50	5.12	+2.56	12
1902	75.6	0.1	103	45	2.48	−1.08	8
1903	75.5	0.2	100	49	3.27	−0.29	8
1904	75.2	−0.5	100	45	2.64	−0.92	8
1905	75.7	0.0	99	49	3.82	+0.26	8
1906	77.4	+1.7	99	48	4.37	+0.81	10
1907	74.8	−0.9	99	48	4.27	+0.71	10
1908	76.3	+0.6	104	49	2.79	−0.77	8
1909	76.9	+1.2	104	45	2.99	−0.96	8
1910	74.0	−1.7	100	46	2.72	−1.04	8
1911	76.2	+0.5	106	45	4.03	+0.47	10
1912	73.7	−2.0	98	43	4.71	+1.15	12
1913	78.0	+2.3	108	44	2.81	−0.75	7
1914	76.0	+0.3	100	49	5.04	+2.38	11
1915	73.8	−1.4	100	42	6.29	+3.73	14
1916	77.4	+1.2	102	47	4.25	+0.69	9
1917	75.9	+1.8	101	42	3.24	−0.57	7
1918	80.2	+4.5	111	56	3.28	−0.38	7
1919	75.5	−0.7	104	47	3.49	−0.07	7
1920	73.4	−2.3	98	45	3.81	−2.24	7
1921	76.0	−0.3	101	48	5.28	+1.72	10

Climatological Data for August, 1921.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches. Number of days.									Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall in melted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																					
Beaver Dam	Ohio	441	17	77.4	+ 1.2	100	2	51	9	42	4.19	+0.85	1.20	0	12	21	2	8	sw.	Miss Addie B. Taylor.
Blandville	Ballard	445	39	76.4	+ 0.4	95	1[d]	59	8[b]	28	5.11	+1.97	2.39	0	11	14	10	7	sw.	E. W. Horr.
Calhoun	McLean	437	18	77.2	− 0.3	98	2	55	9	33	6.15	+2.79	1.67	0	8	11	16	4	sw.	W. A. Taylor.
Earlington	Hopkins	420	30	75.6	− 0.5	100	2	51	9	37	4.13	+0.98	1.31	0	12	21	3	7	s.	Brick Southworth.
Greenville	Muhlenburg	519	4	76.5	.....	98[c]	2	51[c]	9	37[c]	7.70	.....	2.55	0	9	14[c]	13[c]	1[c]	s.	C. R. Lovell.
Henderson	Henderson	327	12	.....	.....	.....	.....	.....	.....	.....	4.53	+2.23	1.84	0	10	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	924	24	77.4	− 0.4	98	20	52	9	41	6.35	+3.30	1.77	0	11	11	7	13	se.	W. E. Graves.
Marion	Crittenden	571	22	76.9	− 1.2	95	20	59	8	30	3.26	+0.47	1.01	0	5	14	12	5	nw	B. C. Paris.
Mayfield	Graves	364	10	78.0	+ 0.7	98	2[b]	58	9[f]	32	5.14	+1.90	2.50	0	6	24	7	0	sw.	N. E. Douthit.
Owensboro	Daviess	479	24	75.6	− 0.8	95	2	56	9	29	5.20	+1.61	1.87	0	11	16	8	7	se.	Henry S. Berry.
Paducah (Lone Oak)	McCracken	516	4	78.8	.....	98	4	50	8	33	4.55	.....	1.31	0	8	6	19	6	sw.	D. T. Haydon.
Paducah *	McCracken	341	32	79.2	.....	97	1[f]	58	9	32	4.00	+0.72	1.38	0	8	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	10	76.6	− 2.0	98	2	54	9	33	3.80	+0.28	1.05	0	9	14	7	10	s.	Dr. W. L. Cash.
Russellville	Logan	590	8	76.6	− 1.5	95	1[f]	53	9	37	3.66	+1.13	1.30	0	11	19[a]	5[a]	6[a]	s.	E. C. Shelton.
Central Division.																					
Alpha	Clinton	811	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Frank Hicks.
Anchorage	Jefferson	700	29	75.4	− 0.7	99	2	56	8[f]	40	6.31	+2.42	2.00	0	9	20	9	2	w.	C. E. Barret.
Bardstown	Nelson	837	24	76.5	− 0.7	97	2	53	9	33	7.15	+3.54	1.70	0	12	24	0	7	s.	Chas. M. Talbott.
Bowling Green	Warren	509	30	79.0	+ 0.7	101	2	55	9	37	4.68	+1.16	1.10	0	12	16	6	9	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	3	.....	.....	.....	.....	.....	.....	.....	4.70	.....	1.19	0	14	.....	.....	.....	.....	James H. Young.
Burnside	Pulaski	773	28	.....	.....	.....	.....	.....	.....	.....	4.92	+0.76	1.59	0	12	.....	.....	.....	.....	F. E. Bradshaw.
Camp Knox	Hardin	736	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Signal Corps, U. S. A.
Carrollton Lock No. 1	Carroll	492	21	.....	.....	.....	.....	.....	.....	.....	6.40	+3.58	2.25	0	9	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	7	.....	.....	.....	.....	.....	.....	.....	3.97	.....	1.02	0	11	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	26	74.2	+ 0.4	95	31	54	10	33	5.66	+1.71	1.60	0	11	7	16	8	s	Mrs. Katie Payne.
Frankfort	Franklin	560	27	76.4	+ 1.4	97	2	55	9	32	6.39	+2.71	1.72	0	6	20	2	9	s.	Mrs. Amelia Wood
Franklin	Simpson	691	25	78.2	+ 1.0	98	2	56	9	29	6.58	+3.28	2.87	0	12	10	17	4	s.	Volney Jamieson.
Glasgow	Barren	788	0	77.7	.....	98	1	56	9	37	3.90	.....	0.80	0	9	21	6	4	s.	Fidelia Edwards.
Greensburg	Green	581	28	74.0	− 1.3	96	2	48	10	42	4.87	+0.97	1.33	0	11	11	15	5	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	18	.....	.....	.....	.....	.....	.....	.....	5.43	+1.56	3.02	0	9	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	23	76.4	+ 0.4	97	2	57	9[f]	30	4.03	+0.43	1.24	0	7	18	6	7	sw.	W. J. Piggott.
Junction City	Boyle	985	27	74.7	+ 0.4	93	2[f]	51	9	37	4.04	+0.49	1.58	0	10	14	9	8	s.	Prof. E. L. Grubbs.
Litchfield	Grayson	635	25	75.6	+ 0.2	95	2	56	9	30	6.86	+3.19	3.79	0	9	17	10	4	sw.	John E. Stone.
Lexington	Fayette	989	33	74.6	0.0	92	2	55	15	25	3.88	+0.31	1.94	0	10	11	12	8	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	48	76.5	0.0	96	2	60	15	26	5.40	+1.89	1.89	0	11	15	10	6	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	11	74.8	− 0.5	94	2	56	9	27	5.39	+1.24	1.62	0	8	16	9	6	sw.	Wm. I. Hunt.
St. John	Hardin	777	24	75.5	+ 0.8	98	2	54	9	35	5.56	+1.93	2.09	0	15	19	3	9	.....	Sisters of Loretto.
Scott ¶	Kenton	900	23	72.8	− 2.3	91	29	52	9	32	4.98	+1.44	2.22	0	7	12	14	5	s.	E. B. Wilson.
Shelbyville	Shelby	825	31	73.8	− 1.7	98	2	50	8[f]	36	7.63	+4.27	2.06	0	9	13	12	6	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	18	75.0	+ 0.7	93	1[f]	53	9	32	5.18	+1.31	1.57	0	10	21	5	5	sw.	E. D. Bourne.
Williamstown	Grant	943	18	74.2	0.0	95	2	51	15	33	5.30	+1.11	2.03	0	8	14	12	5	e.	Mrs. E. S. Humlong.
Woodbury	Butler	533	3	.....	.....	.....	.....	.....	.....	.....	3.76	.....	1.18	0	12	.....	.....	.....	.....	J. C. Stinson
Eastern Division.																					
Ages	Harlan	1250	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	S. A. Driver.
Ashland	Boyd	534	3	74.6	.....	98	6	54	22	32	7.05	.....	2.40	0	10	13	9	9	se.	Forester Farley.
Beattyville	Lee	650	16	74.9	− 0.3	95	1[f]	53	9	35	6.67	+2.04	1.27	0	12	10	9	12	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. Chas. D. Lewis.
Cynthiana	Harrison	684	3	.....	.....	.....	.....	.....	.....	.....	6.80	.....	3.00	0	7	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	32	.....	.....	.....	.....	.....	.....	.....	4.20	+0.67	1.60	0	7	18	5	8	s.	J. V. Oldham
Farmers	Rowan	668	13	.....	.....	.....	.....	.....	.....	.....	4.76	+0.19	1.60	0	7	18	7	6	se.	Mrs. Edna Tinsey.
Jackson	Breathitt	776	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Nick Kelly.
London	Laurel	1190	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. R. Lee.
Louisa	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	8.30	+4.47	1.32	0	12	.....	.....	.....	.....	T. D. Snyder.
Maysville	Mason	524	23	75.2	− 0.5	95	2	55	15[f]	31	3.89	−0.09	1.30	0	6	16	9	6	e.	Harry M. Robinson
Middlesboro	Bell	1128	23	74.8	+ 0.4	93	2	55	9	30	6.64	+3.11	2.10	0	15	18	13	0	.....	B. H. Perkins
Mount Sterling	Montgomery	930	31	74.4	+ 0.3	94	2[b]	52	9	35	5.44	+1.47	1.95	0	11	18	10	3	w.	W. R. McKee.
Oliver	Greenup	540	1	.....	.....	.....	.....	.....	.....	.....	5.60	.....	2.78	0	8	.....	.....	.....	.....	Chas. Folsom.
Pikeville	Pike	634	15	.....	.....	.....	.....	.....	.....	.....	4.48	+0.74	1.84	0	8	.....	.....	.....	.....	J. M. Williams
Richmond	Madison	926	26	76.6	+ 1.0	93	1[f]	56	15	31	4.92	+1.72	1.42	0	10	16	10	5	.....	J. W. Crooke.
Vanceburg	Lewis	525	4	.....	.....	.....	.....	.....	.....	.....	5.79	.....	1.88	0	7	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	939	23	76.1	0.0	96	2	55	9	31	4.04	−0.48	2.13	0	9	6	19	6	se.	D. B. Bradley.
State averages and extremes		....	....	76.0	.....	101	2	48	10	42	5.28	.....	3.79	0	10	16	9	6	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, "a", "b", "c", appearing in the table indicate number of days missing; for example, b represents two days, etc.
[f] Also on other dates. [d] Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.
¶ Post-office address, Covington, Ky. *Temperature data by Evening Sun.

from the 21st to 28th. There were but few days without appreciable rainfall somewhere in the State. Amounts at the various stations ranged between 3.26 inches at Marion and 8.30 inches at Louisa. Thunderstorms of unusual intensity for August occurred frequently during the first three weeks.

MISCELLANEOUS

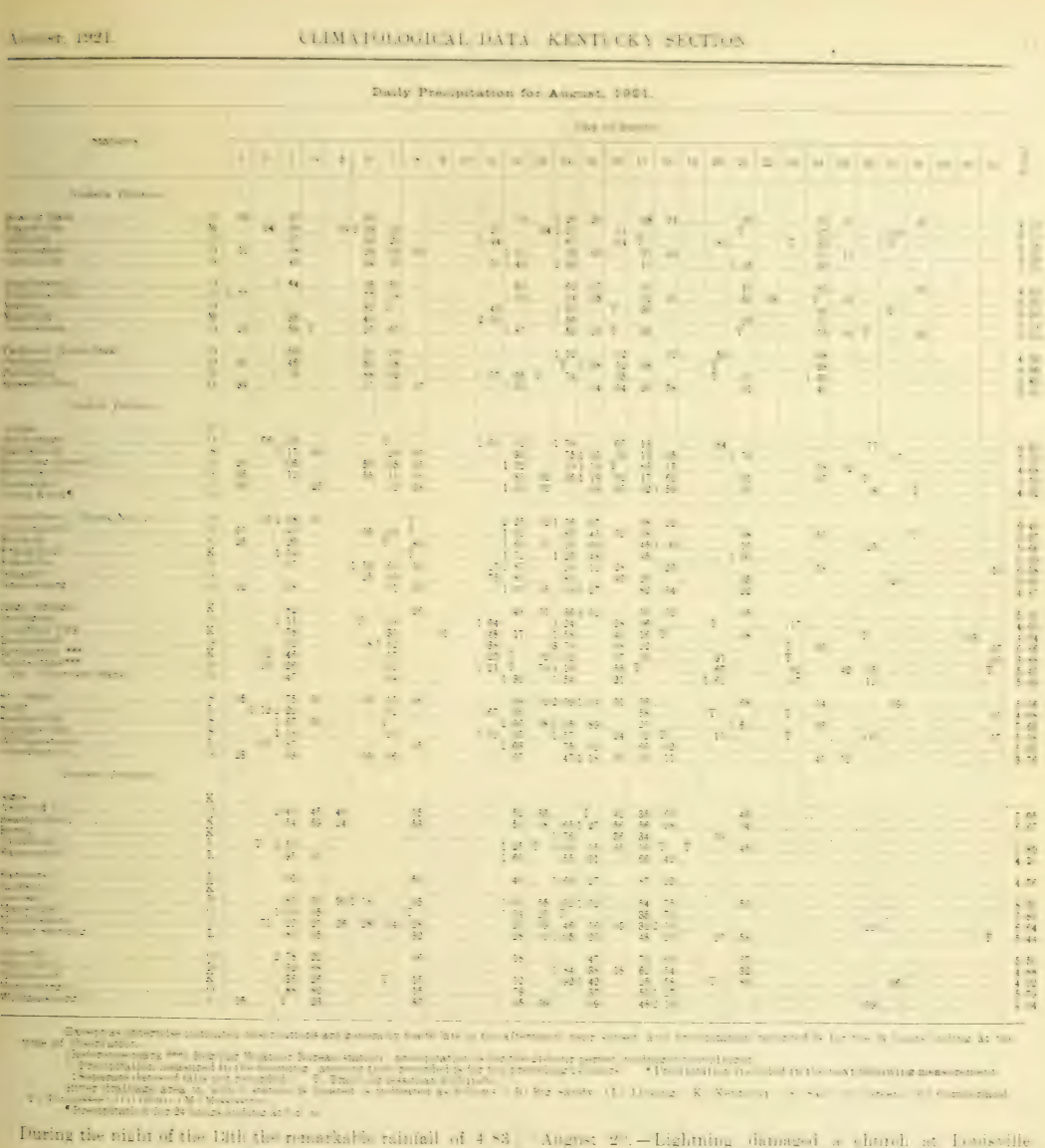
August 6.—A severe windstorm caused damage to buildings at Paducah estimated at $75,000. Some small river craft were sunk, and wire systems in McCracken County were considerably damaged.

August 8.—A residence was damaged by lightning at Hopkinsville.

August 11.—Near Clinton five head of horses, standing bunched together, were killed by a bolt of lightning.

August 13.—A man was shocked into unconsciousness by lightning at Hickman.

Daily Precipitation for August, 1921.



During the night of the 13th the remarkable rainfall of 4.83 and 5.36 inches was recorded at Lockport and Gest, Kentucky, respectively. (Locks Nos. 2 and 3, Kentucky River). At Lock No. 3, the river below the dam rose 14 feet and fell 11 feet during the morning of the 14th, and for an hour or so the river flowed up-stream over the crest of the dam, backing up the water about 1 1-2 feet at Lock No. 4. At Lock No. 2, the river rose over 18 feet and fell 11 1-2 feet in 18 hours.

August 2°.—Lightning damaged a church at Louisville. Wire systems were damaged by wind in the eastern part of Shelby County.

August 22.—One man was killed and two others injured by a tree that was blown across a cabin on the summit of Black Mountain, Letcher County.

Rivers.—The heavy rains caused temporary freshets of the Ohio and tributary streams, but moderate stages only were reached. These rises quickly subsided and low stages prevailed during most of the month.

Daily Temperatures for August, 1921.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	97	100	90	89	97	90	85	89	86	94	83	92	98	79	82	86	94	94	95	98	85	87	80	85	92	94	88	92	92	94	95	90.4
	Minimum	64	76	70	66	63	67	70	52	51	52	68	69	67	72	60	63	74	67	61	69	66	59	57	63	62	64	67	65	61	65	67	64.4
Blandville	Maximum	95	95	80	85	88	85	79	82	82	84	82	87	88	79	80	83	87	90	90	94	82	85	86	78	85	88	81	80	87	86	88	85.2
	Minimum	67	78	68	64	65	65	69	59	59	61	73	71	71	71	63	69	74	73	68	74	68	63	64	68	64	69	69	69	65	69	68	67.7
Calhoun	Maximum	94	98	91	88	95	91	80	84	87	90	86	88	88	82	79	85	92	92	96	97	82	86	84	83	88	91	92	90	91	92	93	88.7
	Minimum	69	76	68	66	66	67	69	57	55	57	66	67	69	71	69	66	73	68	64	71	69	62	59	65	68	65	69	65	64	66	68	65.6
Earlington	Maximum	95	100	81	89	94	87	84	86	86	91	79	90	90	80	81	86	91	91	93	97	84	85	84	79	88	90	86	88	89	90	92	87.9
	Minimum	65	78	69	67	63	66	66	53	51	54	68	70	66	72	60	66	74	67	62	73	67	61	58	65	61	66	67	69	61	70	78	65.4
Greenville	Maximum	94	98	96	96	94	96	84	82	86	90	83	89	..	90	82	94	90	91	93	...	82	83	84	81	88	90	86	..	90	90	91	*89.0
	Minimum	65	77	68	67	64	65	68	55	51	53	66	69	..	64	60	65	74	64	69	..	65	60	57	64	60	64	64	..	60	66	68	*64.0
Hopkinsville	Maximum	97	97	87	90	95	88	85	85	86	88	91	82	92	93	81	85	83	93	92	96	98	85	89	88	83	91	91	86	91	92	96	89.9
	Minimum	66	73	72	66	64	66	68	65	52	56	60	61	69	72	65	67	74	70	65	69	68	63	59	66	61	64	66	66	62	67	67	64.8
Marion	Maximum	94	94	85	86	90	85	79	82	85	87	81	89	89	82	81	86	90	90	92	95	80	86	86	79	87	88	89	86	89	89	90	86.8
	Minimum	64	68	69	66	71	65	69	59	60	62	73	70	71	70	60	68	64	68	66	73	65	61	62	65	70	70	69	70	69	70	70	67.0
Mayfield	Maximum	96	98	89	87	91	86	92	80	84	85	89	89	90	85	80	81	90	94	96	98	90	86	87	89	91	90	85	88	90	90	90	88.9
	Minimum	68	77	69	64	65	63	72	72	56	62	69	69	68	72	65	65	69	68	73	75	69	64	65	66	64	68	68	69	64	69	69	67.2
Owensboro	Maximum	93	95	77	88	91	85	82	81	84	86	78	87	88	80	78	81	89	87	89	93	82	84	77	82	86	87	81	88	88	88	88	85.3
	Minimum	69	71	73	68	66	64	67	57	56	57	69	70	69	70	60	64	73	69	64	72	64	64	61	63	64	67	68	68	63	68	69	66.0
Paducah (Lone Oak)	Maximum	95	96	94	98	91	86	80	83	86	89	86	93	92	90	90	85	90	90	95	97	86	89	92	82	91	92	87	89	92	81	92	90.0
	Minimum	68	78	70	65	68	66	70	50	58	59	72	71	72	70	64	68	75	72	67	76	66	63	62	67	65	69	71	70	64	68	70	67.5
Alpha	Maximum	97	97	78	84	94	87	94	87	90	90	88	91	87	86	84	81	90	87	97	96	92	86	92	74	94	91	85	96	92	94	92	89.5
	Minimum	70	74	70	68	68	68	65	62	58	60	73	74	76	75	65	66	75	73	69	72	70	69	66	64	67	68	67	74	68	70	70	68.8
Princeton	Maximum	95	98	89	86	88	86	80	82	85	89	80	88	90	79	79	82	90	89	94	95	85	86	85	78	85	88	85	87	89	91	91	86.9
	Minimum	66	81	69	67	65	67	71	56	54	56	70	71	69	72	62	67	74	70	64	70	68	63	60	65	62	65	67	68	62	68	68	66.4
Russellville§§	Minimum	65	70	74	68	65	67	66	56	53	54	64	70	70	72	69	66	70	69	69	70	69	62	59	63	61	64	66	64	62	68	68	65.6
Central Division.																																	
Anchorage	Maximum	97	99	77	87	93	91	81	85	88	93	84	89	90	82	78	80	90	88	91	93	84	81	81	91	91	89	83	90	92	93	93	87.9
	Minimum	63	72	66	64	62	68	68	50	50	53	64	68	68	68	57	59	71	66	63	67	63	56	57	62	60	65	65	64	60	66	65	63.0
Bardstown	Maximum	95	97	83	87	91	92	85	82	85	90	88	85	87	80	77	84	90	89	91	95	84	82	80	80	90	85	83	89	93	93	91	87.5
	Minimum	65	76	73	65	64	72	71	56	53	57	68	70	69	70	57	62	73	70	65	67	64	57	60	64	65	69	67	64	63	66	69	65.5
Bowling Green	Maximum	100	101	91	94	92	92	88	90	92	94	89	91	94	85	85	82	92	92	96	98	94	95	86	87	93	92	88	92	95	95	95	91.9
	Minimum	67	75	72	69	65	67	69	57	55	57	67	70	70	71	62	67	73	69	65	69	70	61	59	64	62	66	67	63	64	64	69	66.0
Camp Knox	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Eubank	Maximum	90	94	80	83	90	89	82	81	82	87	87	80	85	79	77	78	86	86	86	90	82	80	82	86	85	85	82	88	86	91	95	85.0
	Minimum	63	74	72	66	62	68	68	59	56	54	68	67	69	57	57	62	70	67	63	69	57	62	56	58	60	65	63	59	61	63	64	63.4
Frankfort	Maximum	93	97	94	85	90	90	87	81	85	90	89	86	87	83	77	82	90	87	89	93	81	79	79	85	89	87	86	87	91	90	91	87.1
	Minimum	66	77	72	65	65	73	72	57	55	58	66	70	69	71	58	61	73	70	66	67	65	59	62	61	62	65	66	65	63	67	68	65.6
Franklin	Maximum	96	98	92	90	94	91	85	83	85	92	90	88	90	87	81	80	92	89	92	96	95	85	85	80	88	91	85	87	90	92	94	89.1
	Minimum	67	77	71	69	66	66	69	58	56	74	69	69	70	72	65	67	73	70	66	70	71	62	59	65	63	65	69	65	68	69	70	67.3
Glasgow	Maximum	98	97	90	89	96	91	87	84	88	94	88	86	91	80	85	78	91	89	93	95	87	85	88	88	90	88	83	90	91	93	93	89.2
	Minimum	64	78	73	65	65	67	70	57	56	57	67	69	69	70	61	67	72	69	66	79	69	60	57	65	63	65	66	65	63	68	69	66.2
Greensburg	Maximum	91	96	84	85	90	86	86	80	83	90	89	83	87	78	77	79	88	85	87	91	83	80	81	84	86	83	83	85	87	90	91	85.4
	Minimum	62	73	70	64	62	68	69	55	49	48	62	67	67	68	58	61	70	68	65	68	65	57	55	63	60	64	62	59	60	62	64	62.6
Irvington	Maximum	93	97	82	85	90	89	85	81	83	88	82	86	88	84	77	80	89	87	88	93	82	80	77	85	88	87	81	89	90	90	91	86.0
	Minimum	67	80	72	66	66	71	71	58	57	58	71	70	69	70	57	62	74	71	68	71	64	60	60	65	68	67	69	68	64	67	69	66.9
Junction City	Maximum	91	93	86	86	91	92	83	82	85	89	89	82	89	80	80	89	89	88	89	91	93	83	82	82	89	89	88	83	88	89	90	91	86.8
	Minimum	63	73	71	62	61	70	70	57	51	52	62	69	69	70	56	58	71	70	63	61	65	54	57	59	57	65	62	58	60	60	64	62.6
Leitchfield	Maximum	92	95	80	87	91	88	79	81	84	88	80	87	86	76	80	81	89	88	91	94	84	82	79	85	88	86	82	87	88	89	90	85.7
	Minimum	66	75	71	67	65	67	67	57	56	58	68	70	70	71	59	63	72	70	65	68	65	60	58	65	63	65	68	65	63	65	68	65.5
Lexington	Maximum	90	92	77	83	87	86	77	79	82	87	84	84	85	74	75	77	86	83	87	91	78	76	79	86	86	86	82	87	88	88	87	83.5
	Minimum	65	73	68	63	66	70	63	60	63	64	68	70	69	61	55	57	71	70	69	68	63	58	62	66	66	66	66	66	71	71	71	65.8
Louisville	Maximum	93	96	76	85	91	88	77	82	84	87	81	87	88	78	79	78	88	87	90	93	83	81	77	86	89	85	80	87	89	89	91	85.3
	Minimum	67	73	70	66	68	74	66	63	62	65	70	70	70	66	60	62	74	72	68	72	62	60	64	67	67	71	70	68	67	71	73	67.7
Do (Cherokee Park)	Maximum	90	94	93	82	85	86	84	79	82	85	82	83	85	85	76	76	87	87	86	91	80	78	75	83	83	82	82	84	85	86	88	84.0
	Minimum	64	75	72	63	64	72	70	57	56	58	62	70	68	71	58	60	72	71	66	70	62	57	60	64	64	68	69	67	64	69	69	65.5
St John	Maximum	93	98	85	85	91	91	85	82	83	90	84	88	91	78	76	84	90	89	91	95	83	80	78	85	88	85	82	86	90	91	94	86.7
	Minimum	63	76	71	65	65	68	70	55	54	56	65	69	67	66	58	62	72	68	63	67	63	58	57	65	62	66	66	64	62	64	66	64.3
Scott	Maximum	88	87	81	83	88	86	79	80	83	85	84	84	86	79	73	76	85	82	88	87	83	76	78	87	83	86	82	87	91	90	87	83.7
	Minimum	61	65	65	59	63	71	67	55	52	56	65	68	65	67	54	55	59	67	63	69	61	53	61	55	55	62	65	65	61	70	69	62.0
Shelbyville	Maximum	95	98	82	86	92	90	84	84	85	90	88	86	87	82	79	81	88	88	90	94	82	80	83	88	89	89	83	88	90	93	91	87.1
	Minimum	59	75	67	58	59	67	66	50	50	55	65	66	63	64	52	56	68	64	62	64	58	51	56	57	57	63	62	60	59	68	64	60.6
Taylorsville	Maximum	93	92	82	84	89	89	84	81	82	88	86	84	87	81	86	80	89	86	88	93	79	77	79	84	87	86	82	85	88	88	89	85.4
	Minimum	65	75	71	64	64	73	70	55	53	56	65	70	67	71	59	62	73	70	65	64	64	56	65	63	60	69	66	62	61	63	66	64.7
Williamstown	Maximum	91	95	90	85	89	89	84	80	84	90	86	86	89	85	76	77	88	85	90	91	81	80	85	85	86	87	85	88	90	91	89	86.3
	Minimum	59	67	68	68	59	69	68	52	55	57	66	66	65	67	51	54	67	65	64	67	60	52	58	55	62	61	62	62	63	67	68	62.1
Eastern Division.																																	
Ages	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Ashland	Maximum	88	96	92	83	84	98	86	80	81	88	87	83	90	86	74	78	75	84	87	91	79	79	80	86	87	83	81	86	89	91	90	85.2
	Minimum	63	72	70	63	65	66	71	58	56	58	68	70	73	71	56	55	70	70	65	66	65	64	58	57	62	61	60	57	64	67	69	63.9
Beattyville	Maximum	95	98	85	86	90	88	86	84	83	91	90	88	94	83	77	79	76	88	86	90	92	83	82	81	88	89	87	86	87	90	92	88	86.5
	Minimum	64	69	71	64	65	65	69	60	53	56	60	68	71	70	55	56	69	69	66	69	66	62	66	54	59	57	58	65	61	58	62	75	65	63.3
Berea	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	81	79	86	85	87	90	92	90	87	84	90	71	88	86	89	91	99	91	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	64	55	67	67	67	63	66	65	55	58	58	59	62	60	65	66	65	69	.....
Jackson	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Maysville	Maximum	90	95	89	85	87	89	84	80	84	89	90	86	89	82	76	77	90	87	89	92	80	79	79	86	89	85	86	89	90	92	92	86.4
	Minimum	63	72	70	62	63	69	71	56	57	58	67	70	70	70	55	55	70	69	65	66	65	55	62	58	62	64	63	63	67	68	67	68.1
Middlesboro	Maximum	90	93	83	84	81	86	81	81	82	87	87	81	83	80	80	79	83	86	88	90	87	86	86	86	86	85	82	85	86	88	88	84.7
	Minimum	65	69	72	67	67	67	66	62	55	60	62	69	69	67	64	64	71	68	66	64	70	62	70	62	65	68	69	55	64	66	65	65.0
Mount Sterling	Maximum	92	94	79	83	88	89	82	80	80	90	91	90	88	82	75	81	88	85	89	93	79	76	82	85	87	85	84	89	90	92	96	86.3
	Minimum	64	75	70	63	65	67	69	56	52	55	60	59	65	68	54	58	70	71	65	66	64	55	59	55	58	61	61	56	61	67	68	62.5
Richmond	Maximum	93	93	84	88	90	88	84	84	86	92	89	83	90	82	81	78	89	86	89	93	84	81	82	89	88	88	85	90	91	92	90	87.2
	Minimum	66	77	72	65	66	71	71	58	58	61	71	69	70	70	56	61	71	69	67	69	66	57	63	62	63	64	65	65	66	69	70	66.1
Williamsburg	Maximum	94	96	85	85	92	82	87	82	84	88	89	82	86	81	82	82	91	87	91	93	85	85	85	86	88	83	85	87	88	94	91	87.0
	Minimum	64	72	74	70	66	68	69	62	55	59	65	70	69	70	66	63	71	68	65	63	67	59	59	62	65	66	63	57	64	68	66	65.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, **, ***, etc. indicate respectively 1, 2, 3, etc., days missing from record.

551.65
LANKE

UNIVERSITY OF ILL.
DEC 1 0 1921

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., SEPTEMBER, 1921. No. 9

GENERAL SUMMARY.

High temperature, much cloudiness, and frequent showers characterized the month's weather. Except for a few days in the last week, daily mean temperatures were continuously above normal. The excess warmth caused rapid growth of late crops; but the lack of sunshine and persistent rains during three weeks offset to a marked degree the favorable effect of the high temperature, retarding the ripening process. Farmers began cutting early corn and tobacco during the first week, the work proceeding slowly, delayed by frequent showers and by the green, sappy condition of the crops. A week of warm, dry weather near the middle of the month gave impetus to all fall work, and was particularly opportune for cutting and housing tobacco, probably one-half of the crop being harvested at this time. Cloudy, showery weather prevailed during the last decade, with temperature on several days below normal. This cooler weather was beneficial to tobacco in barns, for the high temperature and humid atmosphere had caused some sweating. Early corn in shock dried slowly with some damage; while cowpea and alfalfa hay were injured by rain. Late potatoes grew well, but the development of the tubers was delayed by lack of sunshine. This crop was already late on account of unfavorable conditions at the time of planting, and the further delay endangered it from frost. Luxuriant pastures rendered feeding unnecessary. Only fair progress was made with fall plowing, due partly to the necessity of caring for the late crops and partly because the soil was frequently too wet to be worked. Late gardens yielded a fair supply of vegetables, but the weather was too wet for best results. Considerable rye was sown, chiefly for a cover crop; but weather and soil conditions being favorable for rank growth, the sowing of wheat was generally deferred until next month to avoid damage by the Hessian fly.

TEMPERATURE.

The temperature for the month, 40 stations reporting, averaged 75.5°, which is 5.5° above normal, and the highest on record for September since State averages were established. Maximum temperatures of 90° or higher were registered nearly every day during the first two decades, and the nights were especially warm, conditions being similar to midsummer. During the last decade the nights were cooler, but with the exception of a few days, day temperatures continued high. Extremes at the various stations were 99° at Hopkinsville and Paducah on the 4th, and 45° at Owensboro on the 30th.

PRECIPITATION.

The average precipitation, based on the reports of 54 stations, was 5.37 inches, which is 2.61 inches above normal for September. The distribution over the State was exceptionally irregular for an autumn month. In the lower and upper Green River basin, and immediately north of the upper Cumberland there were restricted areas in which amounts ranged from 8.0 to 9.5 inches. In the extreme northern counties about the mouths of the Kentucky and Licking rivers, amounts varied from 3.0 to 4.0 inches. In most other sections the monthly rainfall ranged from 4.0 to 6.0 inches. Showers occurred daily, with heavy rainfall somewhere in the State nearly every day, in the periods 1st-12th and 17-30th. There were only three days during the month without appreciable rainfall. Precipitation occurred mainly in connection with thunderstorms which were unusually frequent for this month.

MISCELLANEOUS

Sept. 6.—A barn was burned by lightning at Franklin.

(Continued on next page.)

PRESSURE AND WIND.

Stations	Atmospheric Pressure, (In inches reduced to Sea level.) Average.	Highest	Date.	Lowest	Date.	Wind Total movement	Av. hourly velocity	Max. Velocity* Miles per hour	Direction.	Date.
Cairo ..... Ill.	30.09	30.18	23	29.78	29	4994	6.9	46	nw	23
Cincinnati ..... Ohio	30.03	30.29	19	29.64	30	3986	5.5	28	W	30
Evansville ..... Ind.	30.03	30.19	19	29.75	29	6544	9.1	42	w.	29
Lexington ..... Ky.	30.04	30.26	19	29.75	30	7948	11.0	54	SE	30
Louisville ..... Ky.	30.04	30.25	19	29.72	30	6753	9.4	53	w.	17

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon	7 p. m.	Sunshine. Total length of Sunshine	No. of hours possible	Percentage of possible.	Number of days with. 80 per cent or more	20 per cent or less
Cairo ..... Ill.	90	67	75	258.2	372.4	61	8	4
Cincinnati ..... Ohio	88	61	70	233.5	373.1	57	7	4
Evansville ..... Ind.	84	62	70	223.7	372.9	60	7	4
Lexington ..... Ky.	89	66	.....	175.0	372.9	47	6	8
Louisville ..... Ky.	85	71	78	177.0	372.9	47	6	8

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature. Monthly average	Departure from 30-year normal.	Highest	Lowest	Precipitation. Monthly average	Departure from 30-year normal.	No. of days with .01 or more rain
1889	72.1	+2.1	101	36	1.23	−1.56	
1890	69.0	−1.0	96	36	2.74	+0.05	
1891	69.5	−0.5	97	42	1.89	−0.87	
1892	68.5	−1.5	93	38	2.68	−0.08	
1893	69.6	0.4	99	35	3.24	+0.48	
1894	73.7	+4.7	98	37	2.71	−0.05	
1895	73.4	+4.4	101	37	1.10	−1.66	
1896	68.6	−1.4	100	36	3.75	+0.99	
1897	72.7	+2.8	105	31	0.21	−2.56	
1898	73.4	+3.4	103	42	4.36	+1.60	
1899	68.7	−1.3	105	37	1.66	−1.10	
1900	74.6	+4.6	102	35	2.25	−0.51	
1901	68.1	−1.9	98	38	3.55	+0.79	
1902	67.3	−2.7	97	29	4.01	+1.25	
1903	69.1	−0.9	100	32	6.91	+4.15	
1904	74.1	+4.1	100	41	2.58	−0.18	
1905	70.2	+0.2	95	36	2.61	−0.15	
1906	73.0	+3.0	96	45	6.75	+3.99	
1907	69.1	−0.9	102	35	3.00	+0.24	
1908	71.6	+1.6	101	39	1.65	−1.12	
1909	67.7	−2.3	97	32	2.61	−0.16	
1910	71.8	+1.8	99	38	4.41	+2.65	
1911	74.0	+4.0	100	46	2.72	+0.95	
1912	73.1	+3.1	103	33	2.80	+0.04	
1913	69.6	−0.4	96	37	2.43	−0.27	
1914	67.8	−2.2	95	36	2.05	−1.20	
1915	70.7	−0.3	97	37	3.22	+0.56	
1916	67.2	−3.8	92	33	3.48	+0.72	
1917	67.7	−3.3	98	31	2.76	−0.26	
1918	71.1	−0.1	102	36	2.94	+0.38	
1919	74.1	+2.9	102	38	1.66	−1.07	
1920	73.8	+3.8	98	41	5.98	+3.74	
1921	75.5	+5.5	99	45	5.37	+2.61	13

Climatological Data for September, 1921.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Western Division.																				
Beaver Dam	Ohio	441	17	77.6	+ 7.0	98	17	53	30	32	6.43	+3.91	3.30	0	11	21	2	7	w.	Miss Addie B. Taylor
Blandville	Ballard	445	39	76.0	+ 5.1	93	4†	49	30	29	3.99	+0.84	1.42	0	9	9	13	8	sw.	E. W. Horr.
Calhoun	McLean	437	18	76.8	+ 4.6	97	16	52	30	33	8.45	+5.85	2.45	0	13	4	22	4	sw.	W. A. Taylor.
Earlington	Hopkins	420	30	76.2	+ 5.1	97	16	47	30	30	4.86	+2.17	1.25	0	12	17	7	6	s.	Brick Southworth.
Greenville	Muhlenburg	519	4	75.9	.....	95[b]	4†	51[b]	30	31[b]	5.19	.....	.....	0	9	8[b]	18[b]	2[b]	s.	C. R. Lovell.
Henderson	Henderson	327	12	.....	.....	.....	.....	.....	.....	.....	5.37	+2.82	1.05	0	12	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	24	78.0	+ 6.1	99	4	53	30	30	4.99	+1.96	1.12	0	11	7	5	18	se.	W. E. Graves.
Marion	Crittenden	571	22	76.2	+ 4.0	96	4	57	22[b]	28	3.09	+0.05	0.75	0	8	7	18	5	sw.	B. C. Paris.
Mayfield	Graves	364	10	78.6	+ 7.5	98	4†	52	30	29	7.70	+4.87	2.20	0	12	13	14	3	sw.	N. E. Douthit.
Owensboro	Daviess	479	24	75.0	+ 4.3	94	17	45	30	35	4.15	+1.33	0.90	0	14	10	9	11	s.	Henry S. Berry.
Paducah (Lone Oak)	McCracken	516	4	78.2	.....	97	4†	50	30	32	6.26	.....	0.92	0	9	7	19	4	sw.	D. T. Hayden.
Paducah *	McCracken	341	32	76.8	+ 2.6	99	4	52	30	30	5.55	+2.61	2.00	0	9	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	10	75.6	+ 4.2	95	4	52	30	28	4.94	+2.16	0.90	0	13	6	18	6	s.	Dr. W. L. Cash.
Russellville	Logan	590	8	77.0	+ 5.5	98	20	54	30	31	4.77	+1.69	1.55	0	11	12	4	14	s.	E. C. Shelton.
Central Division.																				
Alpha	Clinton	811	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Frank Hicks.
Anchorage	Jefferson	700	20	73.6	+ 5.1	94	17	48	30	32	3.98	+1.32	1.23	0	10	14	9	7	sw.	C. E. Barret.
Bardstown	Nelson	637	24	75.8	+ 3.9	94	2†	54	22†	29	5.38	+2.48	1.68	0	10	17	2	11	s.	Chas. M. Talbott.
Bowling Green	Warren	500	30	77.7	+ 6.0	97	4†	55	30	33	9.22	+6.09	2.30	0	14	13	10	7	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	3	.....	.....	.....	.....	.....	.....	.....	6.40	.....	1.09	0	14	.....	.....	.....	.....	James H. Young.
Burnside	Pulaski	773	28	.....	.....	.....	.....	.....	.....	.....	6.46	+2.92	1.40	0	13	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton (Lock No. 1)	Carroll	492	21	.....	.....	.....	.....	.....	.....	.....	3.05	+0.22	0.37	0	17	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	7	.....	.....	.....	.....	.....	.....	.....	4.83	.....	1.40	0	14	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	28	74.0	+ 5.3	94	21	53	30	28	9.53	+7.01	1.85	0	12	5	11	14	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	27	74.9	+ 6.4	93	1	55	30	27	2.99	+0.13	0.57	0	18	10	7	13	s.	Mrs. Amelia Wood
Franklin	Simpson	691	25	77.8	+ 5.8	98	4	54	30	30	6.57	+3.21	1.30	0	13	6	19	5	s.	Volney Jameson.
Glasgow	Barren	788	0	77.2	.....	96	4†	56	9†	34	4.30	.....	1.10	0	9	23	4	3	s.	Dr. Fidelia Edwards.
Greensburg	Green	581	28	74.4	+ 4.8	93	5†	53	30	31	4.46	+1.40	0.70	0	15	7	10	13	se.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	18	.....	.....	.....	.....	.....	.....	.....	5.51	+2.54	1.56	0	18	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	23	75.4	+ 5.0	93	17	56	30	26	5.09	+2.10	2.10	0	11	13	8	9	sw.	W. J. Piggott.
Junction City	Boyle	985	27	74.2	+ 4.6	94	1	51	22	31	6.97	+3.95	2.03	0	16	7	12	11	s	Prof. E. L. Grubbs.
Leitchfield	Grayson	635	25	75.4	+ 5.6	93	17	53	30	28	4.77	+1.13	1.75	0	11	12	14	4	sw.	John F. Stone.
Lexington	Fayette	981	33	73.2	+ 5.3	90	17	53	30	25	5.10	+2.68	1.24	0	19	7	10	13	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	48	74.6	+ 4.7	92	17	53	30	25	4.29	+1.66	1.09	0	14	8	14	8	s.	U. S. Weather Bureau.
Dent (Hawkins Park)	Do	544	11	73.4	+ 5.4	90	17	54	30	28	4.56	+1.39	0.92	0	17	10	17	3	sw.	Wm. I. Hunt.
St. Joseph	Hardin	777	24	75.6	+ 6.5	96	17	53	22†	33	4.83	+1.71	1.85	0	17	18	4	8	.....	Sisters of Loretto
Scott *	Kenton	960	23	72.2	+ 2.7	89	11	48	26†	29	3.45	+0.90	1.05	0	10	6	18	6	s.	E. B. Wilson.
Shelbyville	Shelby	825	31	73.4	+ 4.2	93	17	49	30	36	4.31	+1.46	1.04	0	13	9	10	11	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	480	18	73.8	+ 5.8	92	17	54	22†	26	4.46	+1.23	0.85	0	16	11	7	12	ne.	E. D. Bourne.
Williamstown	Grant	913	18	73.2	+ 4.6	93	1	49	26	29	3.72	+0.76	0.70	0	16	9	16	5	w.	Mrs. E. S. Hunlong.
Woodbury	Butler	533	3	.....	.....	.....	.....	.....	.....	.....	3.71	.....	1.01	0	16	.....	.....	.....	.....	J. C. Stinson
Eastern Division.																				
Ages	Harlan	1250	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	S. A. Driver.
Ashland	Boyd	834	3	76.2	.....	95	17	56	30	33	4.66	.....	1.25	0	13	6	9	15	sw.	Forester Farley.
Beattyville	Lee	650	16	74.8	+ 5.7	96	17	55	23	39	5.12	+2.07	1.47	0	11	3	11	16	w.	Mrs. Sabina E. Hall.
Berea	Madison	1020	18	75.4	+ 6.1	96	1	56	29	33	6.63	+3.37	2.00	0	16	9	8	13	sw.	F. C. Thompson.
Cynthiana	Harrison	684	3	.....	.....	.....	.....	.....	.....	.....	7.35	.....	2.30	0	9	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	690	32	.....	.....	.....	.....	.....	.....	.....	4.76	+2.30	0.91	0	13	10	13	7	s.	J. Y. Oldham
Hanson	Hopkins	668	12	.....	.....	.....	.....	.....	.....	.....	4.55	+1.61	1.00	0	13	8	18	4	ne.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jacob E. Lang.
Lorain	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	4.20	+1.65	1.14	0	14	.....	.....	.....	.....	T. D. Snyder.
Maysville	Mason	521	23	74.2	+ 4.6	95	5	55	19	28	6.59	+3.96	1.40	0	12	10	7	13	e.	Harry M. Robinson.
Middlesboro	Bell	1128	23	74.6	+ 5.8	91	5†	55	30	28	4.20	+1.45	1.55	0	13	15	15	0	.....	B. H. Perkins
Mount Sterling	Montgomery	836	31	73.5	+ 5.9	92	5†	54	22†	30	6.64	+3.70	1.62	0	15	13	6	11	w.	W. R. McKee.
Olive	Greenup	546	1	.....	.....	.....	.....	.....	.....	.....	6.40	.....	1.74	0	12	.....	.....	.....	.....	Chas. Folsom.
Pikeville	Pike	634	15	.....	.....	.....	.....	.....	.....	.....	8.22	+5.25	1.62	0	11	.....	.....	.....	.....	I. M. Williams
Richmond	Madison	926	26	75.7	+ 5.2	93	17	55	30	29	5.10	+2.26	1.25	0	17	14	6	10	.....	J. W. Crooke
Vanceburg	Lewis	525	1	.....	.....	.....	.....	.....	.....	.....	6.60	.....	1.35	0	10	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	920	23	76.1	+ 5.8	94	2†	55	30	29	6.63	+3.27	1.55	0	16	9	15	6	se.	D. B. Bradley.
State averages and extremes				75.5	.....	99	4	45	30	33	5.37	.....	3.30	0	13	10	11	9	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, *, [b], †, appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

* Also on other dates. † Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.

¶Post-office address, Covington, Ky. *Temperature data by Evening Sun.

Sept. 7.—A youth was killed by lightning near Slaughters, Webster County.

Sept. 11.—A hailstorm destroyed considerable tobacco near Augusta.

Sept. 13.—The overflow of creeks, due to heavy rains, caused considerable damage to crops on lowlands near Campbellsburg. Corn and tobacco were damaged by wind and hail in Montgomery County.

Sept. 17.—A windstorm at Louisville unroofed several buildings and blew down many shade trees. A barn and oil tank were burned by lightning, the value of oil lost being estimated at $85,000.

Rivers:—Rains in the period 21st-25th caused a moderate rise to good stages in the Ohio River, and in tributary streams in eastern Kentucky; otherwise comparatively low stages prevailed during the month.

Daily Precipitation for September, 1921.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam			40	.10				10	1.16	.05								.45			.40		.20								
Blandville	.10				.68			.52	T		T							.44			.44		1.42								
Calhoun	T	T	T	T		.21		1.46		.04	T						.67	.05		.55	.45		1.50	.24	.01	.3	.01				
Farmington				.03		.50			.25			.80						.17			.63	.40		.20	1.15	.01	.08	.2				
Greenville									.40			.75									.24	.05		.8	2.68	.2	.20	.45				
Henderson						1.05			.18			.65									.03	.05		.85	.80	.10	.05	.10	.02			
Hopkinsville						1.12			.61		.26	T						.61			T	.03	.10		.81	.04	.09	.24				
Marion						.15		.50			T										T	.48		.75	.10	.08	.20				
Mayfield						.10	.60		.90								.20				.01		.10	.05		.01	.2				
Owensboro			.18	T		.15			.30	.06	.20	.31						.10			.01		.10	.20	.20	.20		.01	.2			
																		.10			.15		.20	.25	.5	.10	.03	T	.17		
Paducah (Lone Oak)					.50			.91										.27		.38	.02		.25	.08	.17	.14					
Paducah						.50			.66	T								.30			.46	.05		.2	.01	T	.45					
Princeton		T			.80			.30	.60	T	.90						T	.10		.20	.07		.77	.20	.10	.85	.05		.05		
Russellville								.03	.28	.24											.57	.08	1.55	.85	.30	.05		.41		.08	
Central Division																																
Alpha																																
Anchorage		F	F	1.23		.11	T			.74	.08						.70	.10		.11	.21		T		.38	.27					
Bardstown				1.68			.18		.07		.80							.60			.30	.80		.04	.20			.78				
Bowling Green		.04	1.24			.10			.45	.15		.65						.17			.30	1.52		2.30	.05	.15		.45		.52		
Brownsville	1.08			.16	.01		1.09			.18								.08			.21	.60			.87	1.00	.05	.10		.15		
Burnside		.47	.15			.50	.20		.60	T	.25							.77				1.30		T	.05	.3	.05	.10		.20		
Carrollton (Lock No. 1)	.02	.05	.20	.16	.30		.10	.12			.22	.20						.23			.04	.30		.07	.34	.02	.07			.15		
Cloverport			.1	.72		.10			.14		.18	.05						1.40			.31	.40	.03	.20	.28	.04	.80			.03		
Eubank		.15	.70		.28	1.25	.05				1.15							.50				1.85				.09	1.17		.25			
Frankfort	.20	.05	.35	.10	.06		.15	.02				.10	.02								.05	T		.22	.25							
Franklin					.25	1.30	.25		1.20									.08		.23	1.20			.20	.80	.30	.10	.02				
Glasgow					.05	.35			.30												.95		.05	1.10	.10	.05	.50			.40		
Greensburg					.03	.16	.41	.02	.18			.60						.04			.11	.70	.03	.45	.08	.70	.65			.27		
High Bridge	.42	.05	.20	.25	.10	.30	1.56		.05	.32	.20							.07			.05	.53			.20	.15	.20	.05		.25		
Irvington			.20	2.10					.16	.25	.61						.19				.48	.16	.20	.02	.70				T		
Junction City				.65	.2	.03	.06		.01	.25	.54						T			.34	1.34		.02		.12	.57	.30	.01	.02	.05	.28		
Leitchfield		.05					.14	1.61										.05			.07	.02		.20	.70	.20	.05			.10		
Lexington	.01	T	.06	.11	1.02	.22			.69	.17	.02							.22	.01		.02	.40		.13	.32	.27	.28	.50		.45	.15		
LOUISVILLE		T	.13	.06		.15	.10	T	T	.72	.11							.38	.15		T	.32		.51	.01	.30	.20				.12		
Do. (Cherokee Park)		.30	.04	.22	T.	.30	.15	.02		.71	.13							.5	.20		.03	.20		T.	.25	.32	.42	.52			.05		
St. John	.18	.16	.06	1.85		.01			.18		.02								.01		.03	.15	.30		.09		.2	.01		.13		
Scott	.25	T	.26	.07		.14					1.07					T	.15	T.		T	.35			.12	.4	T	T			.17		
Shelbyville				.70	.27		.09	.29			1.04	.06						.30			.12	.80		.08	.10					.10		
Taylorsville		.25	.01	.87	.18	.05	T		.19	.89	.13							.23	.02	.15	.78		.04	.05	.70	.31						
Williamstown		.02		.02	.12	.06	.20				.30	.12					T		.28		.05	.42		.05	.10	.12	.18	.02				
Woodbury	.34		.06						.54	.01	.09	.03							.05			.37	.02	.02	.71	1.01	.10	.13	.02		.18		
Eastern Division																																
Agos																																
Ashland				1.25	.05	.70	.14					.17									.35	.80		.06	.28	.05	.37	.18		.37		
Beattyville			.06		.50	.80	.08				T										.19	1.47			.80	.60	.25	.14				
Berea	.04	.16	.04	.84	.94	.08			.23	.27	.12										.01	.2	.06			.05	.20	.24	.81		.20		
Cynthiana	T			.75		1.10	.60		T	T		T						.05				.10			2.20	1.00	T	.35	T.	1.10		
Falmouth						.20	.23			.01	.23				.07			.12				.70	.02		.05	.30	.05	.02			.12		
Farmers	.15				.45	.20	.45		.30	.09								.38			.14	.58		1.00	.30	T	.30	T		.27		
Jackson																																
Louisa				.24	.55	.37	.13											.12	.05		.04	1.14		.51	.13	.24	.30			.30		
Maysville	.16				.08	1.40	.35				T	.45						.25			.40	.50		1.00	1.25	T	.40			.32		
Middlesboro		.10			1.55					.04	.12							.22	.05	.78				.25	.45	.04	.08	.31	.18			
Mount Sterling	T	T	T	.40	.05	1.92	.77		.04	.04	.08							.32				.50	.06	.70	.22		.02	.43	.02			
Oliver			.52	1.22		1.74	.05				T	.50						.42			.43	.31		.05	.47		.37			.18		
Pikeville		.42			1.62	.54	.05		.22	.92								.84				.48			.54			.22		.14		
Richmond		.54	.58	.08	.13	1.25	.24			.05	.25	.02						.03		T		.42		.06	.28	.12	.40	.50	T	.15		
Vancebury				.65		1.35	.08				.51										.81	.51		.30	.92		.20			.32		
Williamsburg	.26	.20			.10	1.32	.03		.13		.83				.45							1.55		.10	.75	.24	.05	.55		.20		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount thus recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Precipitation for 24 hours ending at 3 p. m.

Daily Temperatures for September, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	94	93	95	96	94	90	89	90	89	95	96	93	93	95	90	94	98	88	95	89	78	86	84	80	87	80	82	89	90	85	..	89.9
	Minimum	70	68	63	72	72	69	63	66	67	70	65	65	63	66	66	66	70	71	66	71	63	55	66	63	66	63	66	60	62	59	67	53	..	65.4
Blandville	Maximum	86	90	90	93	92	83	83	82	85	86	87	88	87	88	90	93	92	83	91	87	81	83	85	86	77	67	75	85	86	78	..	85.3
	Minimum	69	70	72	73	69	67	64	67	69	69	70	67	71	71	69	71	74	69	65	71	61	56	65	64	65	60	61	63	69	49	..	66.7
Calhoun	Maximum	90	88	90	96	92	85	88	85	88	89	92	90	88	90	94	97	93	83	93	90	79	88	84	79	75	68	77	86	88	82	..	86.9
	Minimum	70	72	74	73	69	67	64	67	69	69	70	67	71	71	69	71	74	69	65	71	61	56	65	64	65	67	57	60	69	67	52	66.7
Earlington	Maximum	89	91	92	94	92	85	87	86	87	91	92	89	88	91	93	97	94	84	92	83	79	84	81	84	81	64	77	85	88	77	..	86.6
	Minimum	70	71	75	71	75	67	62	68	68	70	66	63	66	66	66	66	67	72	68	67	72	62	56	66	62	64	57	60	59	70	47	..	65.8
Greenville	Maximum	88	90	92	95	92	89	87	89	87	90	91	90	90	92	91	95	93	85	92	85	82	85	..	81	81	71	80	..	87	81	..	87.5
	Minimum	68	67	72	71	72	65	63	66	66	67	64	61	64	65	65	65	69	67	61	69	65	55	..	63	63	76	80	68	68	79	..	64.3
Hopkinsville	Maximum	96	93	96	99	97	89	90	89	92	91	94	94	95	94	96	98	95	90	94	93	85	86	86	83	83	76	80	88	89	79	..	89.9
	Minimum	69	68	69	70	71	66	66	66	67	70	65	66	68	67	68	68	69	70	65	69	61	59	69	65	67	61	63	58	67	53	..	66.0
Marion	Maximum	88	90	90	96	92	83	85	77	85	88	91	89	90	90	92	95	93	84	90	84	80	82	78	84	75	65	76	85	86	79	..	85.4
	Minimum	70	72	74	74	72	70	62	67	69	69	70	66	67	73	70	70	75	67	63	72	61	57	64	65	64	57	60	64	69	67	..	67.0
Mayfield	Maximum	90	92	97	98	95	96	86	94	80	90	91	90	90	90	95	96	94	90	98	92	92	85	88	91	82	81	82	87	90	80	..	89.7
	Minimum	70	71	72	70	72	72	64	65	68	68	69	68	68	71	69	70	72	68	69	81	72	58	66	64	68	59	61	63	69	52	..	67.7
Owensboro	Maximum	86	89	89	89	87	83	84	84	84	84	87	87	87	88	91	93	94	87	95	89	83	78	83	77	80	75	69	77	85	87	80	..	84.3
	Minimum	70	70	71	70	72	68	61	68	67	71	68	66	67	69	67	69	71	68	63	71	64	58	67	64	64	56	60	60	67	45	..	65.7
Paducah (Lone Oak)	Maximum	89	92	91	97	95	91	87	87	89	90	94	96	91	89	92	94	93	89	89	88	76	84	75	91	72	64	80	85	90	75	..	89.2
	Minimum	70	72	74	74	73	69	62	68	70	68	71	68	70	69	71	75	70	65	73	62	56	66	66	65	66	59	61	71	71	60	..	67.4
Paducah	Maximum	88	92	88	99	94	88	92	91	88	90	90	88	91	89	92	94	93	89	89	88	76	84	77	91	72	64	80	85	90	75	..	89.2
	Minimum	72	71	69	78	69	66	66	69	71	69	68	67	70	73	74	65	75	68	69	70	64	57	67	66	64	58	60	59	72	52	..	66.7
Princeton	Maximum	88	91	92	95	92	83	84	83	87	88	88	86	86	89	89	92	92	84	91	81	79	81	78	81	78	78	70	74	84	84	80	..	85.0
	Minimum	71	69	72	73	71	67	64	69	68	70	68	65	67	69	68	69	70	69	64	70	61	56	67	64	68	58	60	60	67	54	..	65.8
Russellville§§	Maximum	92	93	96	96	95	90	85	89	90	93	91	91	93	94	97	95	88	94	98	78	82	83	80	80	72	79	86	87	69	..	..	88.2
	Minimum	69	69	70	72	71	66	65	64	67	69	66	65	65	64	68	66	70	60	64	70	69	58	66	62	65	61	63	60	67	54	..	65.8
Central Division.																																	
Anchorage	Maximum	93	90	91	80	87	85	83	85	87	91	88	87	86	90	89	92	94	80	85	91	80	82	82	81	78	62	81	84	87	77	..	84.8
	Minimum	67	66	65	66	68	70	62	62	68	67	66	63	62	62	63	63	68	62	56	66	64	50	59	64	59	53	58	62	64	48	..	62.4
Bardstown	Maximum	91	91	93	85	92	89	85	87	87	90	91	91	86	92	91	92	94	81	85	93	82	82	85	76	83	76	76	68	79	82	84	54	..	86.2
	Minimum	69	69	71	68	71	70	67	65	69	68	67	67	64	63	67	65	69	68	69	68	64	54	62	67	66	56	62	57	63	54	..	65.3
Bowling Green	Maximum	95	94	95	97	96	91	87	89	88	91	93	93	94	94	94	97	97	94	90	95	89	84	87	87	80	82	72	83	87	89	80	..	89.6
	Minimum	69	69	71	71	70	67	67	66	68	68	64	65	65	68	68	69	69	69	70	62	70	65	61	67	65	61	62	65	58	59	55	..	65.8
Camp Knox	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eubank	Maximum	90	86	89	89	88	85	83	85	85	87	84	85	85	85	89	90	89	82	87	90	94	81	84	76	75	71	75	80	86	81	..	84.5
	Minimum	65	65	67	70	70	64	65	66	67	64	64	63	62	63	66	62	68	67	66	66	54	59	66	64	60	60	60	60	53	..	..	63.6
Frankfort	Maximum	93	90	89	82	91	93	83	81	86	84	90	88	85	86	88	87	90	87	64	69	67	59	65	68	58	60	68	66	57	61	58	64	55	..	84.6
	Minimum	70	70	71	70	70	70	67	66	70	67	68	65	64	64	67	64	69	67	59	65	68	58	66	66	64	61	63	63	60	60	60	63	53	..	65.3
Franklin	Maximum	92	93	96	98	98	96	96	89	90	94	90	89	92	94	95	94	89	92	89	84	89	86	79	81	73	82	87	89	82	87	89	82	..	88.8
	Minimum	69	70	72	73	74	66	67	65	68	69	67	68	65	68	69	69	72	70	62	70	66	60	65	64	66	61	65	61	58	64	55	..	66.8
Glasgow	Maximum	94	91	94	96	95	89	89	90	90	94	93	91	94	92	96	96	94	94	90	92	86	86	87	79	84	82	85	85	87	74	..	89.6
	Minimum	69	69	70	70	71	65	66	60	56	66	66	66	64	64	69	67	72	65	62	60	60	60	69	65	63	60	60	61	62	56	..	64.8
Greensburg	Maximum	91	90	92	93	93	86	81	86	84	89	91	88	87	91	91	92	93	83	89	92	86	82	83	78	76	72	72	82	86	80	..	85.8
	Minimum	65	64	65	69	68	64	64	65	64	64	64	65	58	61	67	63	65	67	58	65	55	55	60	65	64	58	63	57	62	53	..	62.9
Irvington	Maximum	91	91	90	88	88	84	85	83	83	87	88	84	84	87	89	90	93	78	86	89	86	82	82	78	75	66	84	82	86	78	..	84.6
	Minimum	71	71	70	68	74	71	67	68	69	70	68	67	65	66	69	67	72	69	60	64	64	57	68	65	57	57	68	64	67	66	..	66.3
Junction City	Maximum	94	91	92	86	91	85	85	86	85	88	92	87	87	90	91	90	93	82	89	88	80	82	82	76	74	69	77	82	86	78	..	85.7
	Minimum	67	64	67	69	68	67	66	64	66	68	65	64	59	60	64	61	67	62	56	64	66	51	57	68	65	58	59	63	57	52	..	62.7
Leitchfield	Maximum	90	88	90	91	90	85	84	86	83	90	90	86	89	89	90	92	93	82	89	88	80	82	82	76	74	69	77	82	86	78	..	85.0
	Minimum	70	68	71	70	71	69	65	65	67	67	69	68	64	66	68	68	70	71	61	70	67	56	67	64	65	57	64	58	65	53	..	65.8
Lexington	Maximum	86	83	86	77	86	80	81	85	82	84	84	82	83	85	84	89	90	76	82	87	81	78	81	74	73	63	78	80	82	74	..	81.2
	Minimum	70	71	71	68	69	68	65	69	68	67	67	67	65	67	70	64	71	62	58	69	62	58	65	67	58	55	63	65	66	53	..	65.2
Louisville	Maximum	90	88	91	79	85	80	82	82	85	90	86	87	87	88	88	89	92	77	85	88	79	80	81	78	71	61	78	82	86	76	..	83.0
	Minimum	73	74	72	68	72	68	66	66	70	70	68	66	69	72	68	69	72	68	69	64	71	63	58	65	68	58	56	61	62	68	53	..	66.2
Do (Cherokee Park)	Maximum	88	87	86	84	83	81	79	80	82	86	84	82	83	84	83	87	90	76	81	86	83	78	79	77	..	66	55	58	60	66	54	..	81.5
	Minimum	70	70	68	71	64	65	65	69	69	68	65	63	64	69	65	71	64	58	66	68	68	58	63	66	66	55	58	60	66	54	..	65.2
St. John	Maximum	92	90	93	91	92	87	86	87	86	91	92	89	85	91	91	93	96	85	90	89	80	83	83	82	82	80	84	83	86	77	..	87.3
	Minimum	66	66	67	68	71	69	65	64	68	67	66	68	65	65	67	67	69	67	64	60	63	64	53	64	65	65	55	55	56	61	53	..	63.9
Scott	Maximum	89	86	87	82	85	77	79	87	86	85	82	87	84	86	87	88	91	81	83	77	75	81	89	81	80	74	71	76	77	80	83	..	81.8
	Minimum	69	70	69	69	70	66	60	63	68	64	66	65	62	60	66	61	70	64	52	64	66	51	62	66	62	48	48	56	64	53	..	62.6
Shelbyville	Maximum	91	91	90	88	88	81	82	85	87	87	85	84	87	89	89	93	80	85	90	82	79	82	77	75	66	80	82	86	78	84	73	..	84.1
	Minimum	67	68	69	67	69	67	62	64	69	66	66	64	61	63	65	62	68	68	55	66	60	55	60	65	61	52	58	60	64	49	..	62.7
Taylorsville	Maximum	90	86	88	80	86	79	83	87	85	82	85	87	82	83	88	88	92	88	89	89	89	78	82	76	73	68	79	80	84	78	..	84.1
	Minimum	68	67	70	68	70	69	66	64	66	67	66	65	63	61	63	65	62	68	63	65	55	55	65	62	58	55	61	64	63	55	..	63.7
Williamstown	Maximum	93	91	89	88	86	79	83	87	86	87	86	87	86	83	86	87	84	87	92	77	82	91	81	79	84	77	78	65	82	77	..	83.6
	Minimum	67	69	69	68	69	65	61	62	66	65	65	63	61	61	65	60	68	64	69	63	68	55	55	65	62	49	56	58	63	52	..	62.8
Eastern Division.																																	
Ages	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ashland	Maximum	83	92	84	84	92	84	84	87	89	90	88	84	85	91	87	88	95	84	84	86	87	80	85	89	81	77	85	85	87	79	..	86.2
	Minimum	67	68	71	72	67	69	67	65	70	67	69	64	65	58	75	70	75	70	64	66	61	56	63	62	57	66	67	63	62	59	61	69	56	..	66.3
Beattyville	Maximum	92	90	92	80	92	85	82	82	90	90	91	90	89	90	91	91	94	96	84	86	91	86	83	87	77	76	71	80	83	83	83	..	86.2
	Minimum	65	66	69	69	68	65	67	65	67	66	65	65	60	61	62	63	57	69	66	66	56	55	67	61	58	62	65	65	56	..	..	63.1
Berea	Maximum	96	92	92	89	91	85	85	88	87	88	88	84	88	88	83	92	93	81	88	91	84	83	85	78	75	69	80	87	76	78	..	86.5
	Minimum	66	75	65	69	68	67	65	66	67	70	73	64	59	65	66	59	70	70	58	70	65	67	68	68	58	58	64	62	56	57	..	65.4
Jackson	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	Maximum	93	92	90	82	95	77	81	88	86	89	90	85	83	89	83	86	93	78	78	89	84	79	84	78	75	79	79	81	79	75	..	84.0
	Minimum	69	70	71	70	68	68	68	68	67	69	67	67	66	64	61	67	62	68	68	55	62	68	59	59	66	64	60	59	59	62	57	..	64.5
Middlesboro	Maximum	87	88	90	86	91	86	83	87	82	87	91	88	88	86	90	90	91	82	88	90	82	86	78	78	75	82	86	74	59	74	85	..	85.0
	Minimum	67	67	66	66	65	65	66	68	68	66	65	65	62	65	62	62	63	67	64	65	67	60	58	62	61	62	76	71	78	81	83	..	84.4
Mount Sterling	Maximum	91	89	90	80	92	80	81	85	87	88	88	83	83	88	85	89	92	80	85	90	89	80	86	78	60	65	54	54	59	61	58	..	82.9
	Minimum	67	69	68	67	70	65	62	65	67	65	65	62	60	65	59	66	67	56	64	68	57	58	60	65	54	54	59	61	58	56	55	..	66.1
Richmond	Maximum	88	85	89	78	91	85	84	88	87	89	89	86	86	90	88	91	92	93	83	88	90	82	82	85	70	76	71	79	82	86	80	..	85.4
	Minimum	69	70	70	70	70	68	67	68	70	69	67	67	63	67	69	69	63	71	71	59	68	66	59	64	70	66	68	61	74	81	84	89	76	..	87.5
Williamsburg	Maximum	93	91	93	89	93	88	86	89	83	90	92	88	91	91	90	92	94	83	89	91	90	86	78	82	76	73	68	79	83	63	66	55	..	86.2
	Minimum	66	66	67	68	68	65	67	68	67	66	66	67	62	63	66	63	66	68	62	68	68	66	60	67	65	65	64	66	67	55	..	65.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

.. indicate respectively 1, 2, 3, etc., days missing from record

UNKE

UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION

JAMES L. KENDALL, Meteorologist.

Vol. XXVI. LOUISVILLE, KY., OCTOBER, 1924. No. 10

GENERAL SUMMARY.

Unseasonably cool weather prevailed during the first half of the month, and abnormally warm weather during the last half. Showers in the first week delayed tobacco and corn cutting, and interfered with fall plowing. The cloudiness and moist atmosphere retarded the curing of tobacco, and caused molding of corn in shock and damage to cowpea hay in process of curing. After the advent of fair weather about the 4th, rapid progress was made with harvesting the late crops of corn and tobacco, and the work was completed in good time with no frost damage of consequence. Late potatoes did not fully mature, partly because of their late start in August and the delay to their growth caused by the wet weather in September, and partly on account of the low temperature of the first two weeks of October. This crop was therefore cut short in its development by the killing frost that occurred generally over the State on the 13th. The dry, sunshiny weather that continued for about three weeks after the 4th was decidedly favorable for plowing, sowing wheat and timothy, curing tobacco, and drying out corn. The sowing of wheat in the northern counties was practically completed by the middle of the month, and in the southern counties in the following week. Favorable soil and temperature conditions resulted in quick germination and excellent stands of wheat, rye, and timothy. Most wheat was up by the end of the month, and growing vigorously under the stimulus of the unseasonably high temperature. Timely rains during the last week were beneficial to fall grains, pastures, and young grass, for the soil was becoming somewhat dry in most districts. The moisture was deficient in the western counties, where rain was still needed at the end of the month.

TEMPERATURE.

The temperature for the month, 40 stations reporting, averaged 57.1°, which is 0.7° below normal. Except on one day temperatures averaged abnormally low from the 1st to 15th, inclusive, the deficiency on several days ranging from 10° to 15°. The temperature reached freezing at a few stations on the 5th, 8th, 9th, and 12th, with frost in many localities. Temperatures below freezing were registered at nearly all stations on the 13th and 14th, with killing frost. Except on two days, temperatures in the period 16th-31st were continually above normal, the excess on most days ranging from 5° to 15°, while maximum temperatures were frequently above 80°. Extremes at the various stations were 90° at Bowling Green on the 25th, and 24° at Greensburg and Junction City on the 13th.

PRECIPITATION.

The average precipitation, based on the reports of 54 stations, was 2.29 inches, which is 0.21 inch below normal. In a considerable district in the central part of the State, also in a limited area in the northeastern corner, the rainfall exceeded the normal October amount, ranging from 3.00 to nearly 5.00 inches. In all other districts, including the western, southern and most of the mountain counties, the monthly totals were deficient, ranging generally from 1.00 to 2.50 inches. A few of the extreme western counties received less than an inch. Showers occurred generally in the periods 1st-2d, 7-8th, and 27th-31st; also in central and eastern districts on the 19th-20th. There were a few heavy local rains on the 29th and 30th, otherwise precipitation occurred in light to moderate showers. Amounts at the various stations ranged between 0.40 inch at Cynthiana and 4.73 inches at Greensburg.

Continued on next page.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. In inches reduced to sea-level.					Wind.				
								Max. Velocity.*		
	Average	Highest	Date	Lowest	Date	Total movement	Av. hourly velocity	Miles per hour	Direction	Date
Cairo, Ill.	30.62	30.80	13	29.74	2	5670	7.6	37	sw.	28
Cincinnati, Ohio	30.63	30.87	13	29.84	31	6155	7.9	25	nw.	7
Evansville, Ind.	30.64	30.84	13	29.72	30	7984	10.7	40	s.	25
Lexington, Ky.	30.63	30.86	13	29.49	30	9720	13.1	38	nw.	7
Louisville, Ky.	30.64	30.88	13	29.60	31	8291	11.1	37	s.	10

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon	7 p. m.	Total hours of possible sunshine	No. of hours possible	Percentage of possible	Number of days with 80 per cent or more	Number of days with 20 per cent or less
Cairo, Ill.	81	48	57	275.4	348.3	79	20	2
Cincinnati, Ohio	88	56	67	213.0	346.3	62	14	3
Evansville, Ind.	78	44	53	268.2	347.3	77	18	2
Lexington, Ky.	72	51	.....	238.6	347.3	69	16	5
Louisville, Ky.	77	56	67	248.6	347.3	72	18	5

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature.				Precipitation.		
	Monthly average	Departure from 30-year normal	Highest	Lowest	Monthly average	Departure from 30-year normal	No. of days with 01 or more rain
1889	52.0	-5.8	89	23	2.42	-0.08	
1890	55.7	-2.1	87	28	2.04	-0.44	
1891	54.8	-3.0	92	21	0.78	-1.70	
1892	57.3	-0.5	97	19	0.51	-1.97	
1893	56.4	-1.4	90	19	4.00	+1.50	
1894	58.6	+0.8	92	25	1.36	-1.14	
1895	52.2	-5.6	89	14	1.24	-1.26	
1896	58.8	+2.0	90	25	1.71	-0.79	
1897	53.2	-5.4	96	26	1.10	-1.40	
1898	57.1	-0.7	93	21	4.19	+1.69	
1899	61.3	+3.5	93	26	2.42	-0.08	
1900	64.5	+6.7	84	29	2.29	-0.21	
1901	58.1	+0.3	93	25	1.57	-0.93	
1902	60.1	+2.3	91	25	2.34	-0.16	
1903	57.7	-0.1	96	19	2.22	-0.28	
1904	57.2	-0.6	93	20	0.52	-1.98	
1905	57.6	-0.8	90	25	4.95	+2.45	
1906	56.9	-0.9	91	20	1.51	-0.99	
1907	55.5	-2.3	93	29	2.97	+0.47	
1908	57.1	-0.7	92	20	0.71	-1.79	
1909	55.2	-2.6	94	18	2.11	-0.39	
1910	61.4	+3.6	96	37	4.45	+1.95	
1911	59.8	+2.1	94	25	3.71	+1.21	
1912	59.5	+1.7	92	35	1.42	-1.08	
1913	56.9	-0.9	97	23	3.55	+1.05	
1914	59.7	+1.9	91	32	5.10	+2.60	
1915	60.6	+2.8	90	25	3.40	+0.90	
1916	57.6	-0.2	97	24	2.59	+0.09	
1917	58.1	+0.3	90	29	3.18	+0.68	
1918	62.3	+4.5	94	32	3.81	+1.31	
1919	65.6	+7.8	98	35	7.99	+5.49	
1920	61.0	+3.2	88	24	1.64	-0.86	
1921	57.1	-0.7	90	24	2.29	-0.21	

Climatological Data for October, 1921.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal	Highest.	Date	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Western Division.																				
Beaver Dam	Ohio	441	17	58.4	+ 1.0	87	25	27	13	46	3.12	+0.68	1.80	0	4	26	4	1	w.	Miss Addie B. Taylor
Blandville	Ballard	445	39	57.6	− 1.0	81	26	33	13	32	0.70	−2.30	0.35	0	6	19	6	6	se.	E. W. Horr.
Calhoun	McLean	437	18	58.4	− 0.9	84	24[1]	32	14	42	1.70	−1.58	0.57	0	6	27	0	4	s.	W. A. Taylor.
Earlington	Hopkins	420	30	57.4	− 1.9	84	24[1]	30	13[1]	44	2.01	−0.56	1.00	0	6	27	0	4	s.	Brick Southworth.
Greenville	Muhlenburg	519	4	*56.8	.....	85[5]	24[1]	27*	13	45[5]	1.67	.....	0.52	0	5	.....	.....	.....	.....	C. R. Lovell.
Henderson	Henderson	327	12	.....	.....	.....	.....	.....	.....	.....	2.39	−0.71	0.85	0	5	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	24	57.8	− 2.6	87	24	29	13	47	1.30	−1.57	0.64	0	4	19	5	7	se.	W. E. Graves.
Marion	Crittenden	571	22	59.1	− 0.3	86	26	34	8	37	1.89	−0.65	0.97	0	4	19	8	4	s.	B. C. Paris
Mayfield	Graves	364	10	59.4	+ 0.9	85	24	33	12	40	0.90	−1.65	0.40	0	3	21	8	2	nw.	N. E. Douthit.
Owensboro	Daviess	479	24	58.9	− 2.1	84	25[1]	32	13	37	1.61	−1.49	0.63	0	3	23	5	3	n.	Henry S. Berry.
Paducah(Lone Oak)	McCracken	516	4	60.4	.....	88	25	33	13	40	1.36	.....	0.68	0	4	.....	.....	.....	.....	D. T. Hayden.
Paducah*	McCracken	341	32	58.6	− 2.8	88	23	35	13	48	1.11	−1.57	0.40	0	5	19	10	2	s.	Frank L. Brown.
Princeton	Caldwell	529	10	56.8	− 2.0	83	26	30	13	42	1.76	−0.34	0.50	0	6	22	2	7	s.	Dr. W. L. Cash.
Russellville	Logan	590	8	57.5	− 2.3	85	24	28	13	44	2.70	+0.48	0.90	0	6	22	2	7	s.	E. C. Shelton.
Central Division.																				
Alpha	Clinton	811	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Frank Hicks.
Anchorage	Jefferson	760	20	55.7	− 1.1	84	24[1]	26	13	45	1.95	−1.10	0.83	0	7	22	4	5	sw.	C. E. Barret
Bardstown	Nelson	637	24	56.5	− 3.0	83	26	27	13	41	4.25	+1.85	1.48	0	4	22	4	5	s.	Chas. M. Talbott.
Bowling Green	Warren	500	30	59.1	− 0.1	90	25	30	13	44	3.10	+0.73	1.05	0	4	22	3	6	w.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	3	.....	.....	.....	.....	.....	.....	.....	2.36	.....	0.91	0	6	.....	.....	.....	.....	James H. Young.
Burnside	Pulaski	773	28	.....	.....	.....	.....	.....	.....	.....	1.51	−1.52	0.56	0	5	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton(Lock No.1)	Carroll	492	21	.....	.....	.....	.....	.....	.....	.....	3.44	+0.79	2.34	0	5	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	7	.....	.....	.....	.....	.....	.....	.....	1.75	.....	0.70	0	5	.....	.....	.....	.....	W. A. Cockerill
Eubank	Pulaski	1177	26	54.6	− 2.1	83	24	26	13	43	1.60	−0.54	1.30	0	2	16	3	12	sw.	Mrs. Katie Payne.
Frankfort	Franklin	560	27	56.2	0.9	86	25	31	13	37	2.96	+0.49	2.20	0	4	20	5	6	w.	Mrs. Amelia Wood
Franklin	Simpson	691	25	59.2	− 0.1	84	26	31	13	38	1.88	−0.22	0.67	0	5	20	9	2	s.	Volney Jamesen.
Glasgow	Barren	788	0	57.0	.....	86	25	30	13	44	1.20	.....	0.80	0	2	25	4	2	w.	Dr. Fidella Edwards.
Greensburg	Green	581	28	54.5	− 2.6	82	26	24	13	45	4.73	+1.97	3.05	0	9	22	5	4	se.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	702	18	.....	.....	.....	.....	.....	.....	.....	4.64	+1.66	2.38	0	5	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	23	57.0	+ 1.4	80	26	30	13	34	1.61	−1.14	0.74	0	4	23	4	4	sw.	W. J. Piggott.
Jamestown	Boyle	885	27	55.2	− 2.3	84	24	24	13	45	4.06	+2.07	1.82	0	12	22	7	2	sw.	Prof. E. L. Grubbs.
Leitchfield	Grayson	635	25	56.3	− 1.8	82	25[1]	30	13	38	3.73	+1.30	1.46	0	5	21	8	2	nw.	John E. Stone.
Lexington	Fayette	989	33	56.8	+ 0.3	78	24	36	12	32	2.46	+0.24	0.85	0	8	16	10	5	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	48	58.0	− 0.4	82	25	35	13	33	1.88	−0.75	0.78	0	7	20	6	5	s.	U. S. Weather Bureau.
Loretto Hill, Do. Cherokee Park	Do	534	11	56.6	− 0.6	79	25[1]	31	13	35	1.74	−1.68	0.94	0	6	20	7	4	s.	Wm. T. Hunt
Mt. Jaspo	Hardin	777	24	57.0	− 0.6	81	26[1]	28	13	46	2.53	+0.04	0.79	0	7	23	1	7	.....	Sisters of Loretto
Sopor¶	Kenton	900	23	55.8	− 2.0	79	17[1]	29	13	40	2.92	+0.58	1.51	0	8	16	7	8	s.	E. B. Wilson.
Shelbyville	Shelby	835	31	*55.8	− 0.9	81	17[1]	30[1]	8	38[1]	4.60	+2.18	1.96	0	6	17	10	4	w.	Mrs. W. T. Miller.
Taylorsville	Spencer	480	18	54.2	− 2.1	79	25	26	13	40	3.29	+0.32	1.07	0	7	21	2	7	s.	E. D. Bourne.
Wilmamstown	Grant	943	18	56.2	+ 1.1	81	24[1]	30	13	39	2.23	−0.65	1.30	0	7	17	7	7	w.	Mrs. E. S. Humlong.
Woodbury	Butler	534	3	.....	.....	.....	.....	.....	.....	.....	1.94	.....	0.62	0	6	.....	.....	.....	.....	J. C. Stinson
Eastern Division.																				
Ages	Harlan	1250	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	S. A. Driver.
Ashland	Boyd	551	3	*57.8	.....	84	2	32[1]	5	38[1]	2.09	.....	0.74	0	5	17	5	9	sw.	Forester Farley.
Beattyville	Lee	690	16	57.1	0.0	86	24	30	13	46	2.54	−0.81	1.37	0	6	16	5	10	w.	Mrs. Sabina F. Hall.
Berea	Madison	1070	18	57.4	− 1.1	83	24	27	13	39	1.40	−1.68	0.88	0	5	21	6	4	e.	F. C. Thompson.
Cynthiana	Harrison	684	3	.....	.....	.....	.....	.....	.....	.....	0.40	.....	0.15	0	4	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	32	.....	.....	.....	.....	.....	.....	.....	1.48	−0.96	0.64	0	5	17	8	6	se.	J. V. Oldham
Farmers	Rowan	668	13	.....	.....	.....	.....	.....	.....	.....	2.06	−1.24	0.59	0	6	17	9	5	ne.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jacob E. Laug.
Louisa	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	3.41	+0.53	1.29	0	6	.....	.....	.....	.....	T. D. Snyder.
Maysville	Mason	524	23	55.4	+ 1.7	78	17	30	13	35	1.75	−0.77	0.40	0	6	20	3	8	w.	Harry M. Robinson
Middlesboro	Bell	1128	23	55.6	− 1.6	83	25	28	14	47	2.70	+0.40	1.12	0	7	26	4	1	.....	B. H. Perkins
Mount Sterling	Montgomery	930	31	54.8	− 0.8	79	24	27	13	41	2.44	−0.53	0.80	0	7	21	3	7	w.	W. R. McKee.
Oliver	Greenup	540	1	.....	.....	.....	.....	.....	.....	.....	2.96	.....	0.86	0	6	.....	.....	.....	.....	Chas. Folson.
Pikeville	Pike	631	15	.....	.....	.....	.....	.....	.....	.....	1.62	−1.40	0.64	0	4	.....	.....	.....	.....	I. M. Williams
Richmond	Madison	926	26	59.0	+ 0.6	85	25	32	13	37	2.96	+0.15	1.55	0	5	20	2	9	.....	J. W. Crooke
Stanford	Lincoln	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.17	.....	0.59	T.	7	.....	.....	.....	.....	Samuel Johnson.
Jamesburg	Lewis	525	4	.....	.....	.....	.....	.....	.....	.....	1.16	−1.39	0.48	0	6	21	6	4	sw.	O. B. Bradley
Williamsburg	Whitley	933	23	58.2	− 1.3	85	24	29	13	45	2.29	.....	3.05	0	6	20	6	5	s.	
State averages and extremes				57.1	.....	90	25	24	13	48										

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, "[1]", appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. ¶ Received too late to be included in means and summaries. † Precipitation is less than 0.01 inch rain or melted snow.
¶Post-office address, Covington, Ky. *Temperature data by Evening Sun

MISCELLANEOUS.

Rivers.—The streams of the State were low, and pool stage continued in the Ohio river during the month. Navigation was impeded by low water in the section of the Ohio between Louisville and Evansville

Daily Precipitation for October, 1921.

Stations		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
West Division																																	
[illegible] Dam	G		1.80						.26																								
[illegible]	M		.55					.20																		.07							
[illegible]	O		.19	.23				.08	.21											T.													
Hopkinsville	C		.37	T				.15																		.44	T						
[illegible]ville	O			.28					.16																	.42							
[illegible]son[1]	O		.85						.20																	.42							
[illegible]sville	C		.29					F	.16																	.21							
Marion	O		.45					.22																		.07							
Maxwood	M		.30						.40																	.20							
[illegible]sboro	O		.63					T	.30											T.						.49							
Paducah (Lone Oak)	O		.58						.26																							.52	1.36
[illegible]	O			.36					.3																	.40		T					
Princeton	O		.50						.25											T.						.50		.43	T				
[illegible]sville	C			.32					.60																	.50		.44	.42				
Central Division																																	
Alpha	C																																
[illegible]	O		.04	.06				.36												T						.24		.83	.26	.16			1.95
Bankhead	S		.23	.65					.15																	.51		1.45	.66	.62			4.25
[illegible] Grove	O			.85					1.05																	.55			.65				3.10
[illegible]ville				.75					.14																	.44		.09	.91	.62			2.36
Bardstown	C			.47					.32												.06						.10		.56	T.				1.51
Cloverport (Lock No. 1)	O			.17					.48												.05						.06		2.34	.84				3.44
Hawesport	O			.70				T	.38																	.10		.66	.84	T.			1.78
Fishpark	C							.30																				1.20					1.50
[illegible]field	K			.25					.33												T.					T.		.2.26	.18				2.96
Hamilton	G		.04	.45																						.57		.67		.15			1.88
Glasgow																												.80		.40			1.20
[illegible]sburg	O		.05	.85					.15											.01	.02					.58		3.05	.65	.27			4.73
Hog Bridge	K			2.38					.25																	.12			1.50	.86			4.64
Irvington	O		T.	.74				.15	.67											T.						T.		.65		T.			1.61
Junction City	K			1.36				.01	.31	.01				.01						.05	.12					.04	.04	.04	1.82	.25			4.66
[illegible]ield	G		1.06						.22																	.20		.79		1.46			3.53
[illegible]ington	K		.47	.34					.11											.08						.12		.32	.53	.49			2.46
LOUISVILLE***	O		.06	.02					.28			T.								T.					T.	.39		.78	.08	.27			1.88
Mt. Tamalpais Park	C		T.	.11				T	.21											T.						.35		.94	.01	.09			1.74
[illegible]wood	S		.79	.51				T.	.13											T.						.30		.75	.01	.04			2.53
[illegible]port	L			.36				.10	.37			T.	T.						T.	.10	.05					.39		.04	1.51				2.92
[illegible]sville	S		.30						.15																	.25		1.65	.35	1.90			4.60
[illegible]ville	S		T.	.35					.50											.63						.38		1.00	.07	.15			3.29
[illegible]town	L			.11					.32											.11						.30		.07	1.50	.60			2.23
[illegible]ney	C			.60					.17																	.40		.07	.62	.68			1.54
Eastern Division																																	
Agos	K																																
[illegible]land	O			.74					.20												.18						.25		.72				2.09
[illegible]ville	K			1.37					.24												.11	T.				.08	.27		.47	T			2.54
Beam	K		T.	.88					.20											.08	.06							T.		.09			1.40
[illegible]ynton	L		T.	.10					T.	.10										T.	T.					T.	.05		T.	.15			0.40
[illegible]mouth	L			.10					.30												.12					.32			.64				1.48
Farmers	L			.59					.19												.15						.50		.50	.13			2.06
Jackson	K																																
Louisa	L			1.29					.21												.24						.14		.53	1.00			3.41
Maysville	O			.40					.50												.18					T.	T.	.37		.38	.12			1.75
Middlesboro	C		.05	.98					1.12												.10						.01		.37	.07			2.70
Mount Sterling	L			.80					.31												.04	.05					.55		T.	.54	.15			2.44
Oliver	O			.77					.16												.37						.25		.55	.86			2.96
Riverside	R	T.		.64					.22												.12								.54				1.62
Richmond	K			1.55					.25												.07					.21		T.	.85				2.96
Vanceburg[1]	O			.27					.29												.25	.02					.29		.46	.59			2.17
Williamsburg	C	T.		.48	T.				.23												.16					.03	.01		.25				1.16

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland T; Tennessee; (O) Ohio; (M) Mississippi.

¶Precipitation for 24 hours ending at 3 p. m.

Daily Temperatures for October, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	76	83	70	62	70	79	79	58	76	76	65	59	66	74	77	80	85	76	80	63	67	77	82	85	87	85	78	77	75	70	66	74 3
	Minimum	41	46	59	40	33	40	45	34	40	57	45	35	27	30	35	48	42	54	42	40	31	34	36	40	41	48	56	55	46	46	48	42 4
Blandville	Maximum	71	74	66	59	64	77	72	56	75	71	57	56	60	65	71	76	78	72	76	60	63	72	77	80	80	81	73	70	68	62	60	69 1
	Minimum	45	51	49	44	38	45	40	34	43	56	45	35	33	39	44	48	49	57	48	42	36	43	45	48	55	57	60	53	52	47	47	46 1
Calhoun	Maximum	76	76	67	69	70	80	73	58	76	73	67	58	63	70	74	79	82	79	73	63	67	76	79	84	83	84	79	70	68	67	64	72 2
	Minimum	62	49	59	42	37	41	47	37	45	57	46	37	33	32	38	41	45	53	46	41	34	35	38	42	44	49	57	47	54	48	50	44 7
Earlington	Maximum	75	81	69	60	69	81	79	67	74	80	69	58	63	72	76	75	81	73	83	57	65	74	79	84	84	83	69	70	70	64	62	72 5
	Minimum	41	45	52	38	33	43	45	36	44	55	45	33	30	30	32	34	45	53	46	40	32	37	39	42	44	46	55	52	52	45	48	42 3
Greenville	Maximum	75	...	81	60	67	76	77	55	74	82	64	57	64	71	74	79	82	75	78	63	66	76	81	85	85	85	75	74	73	69	69	*72 7
	Minimum	40	...	44	36	33	41	46	32	40	56	43	30	27	29	34	41	44	54	42	37	31	35	36	41	43	47	55	44	52	44	47	*40 8
Hopkinsville	Maximum	77	83	77	67	71	79	78	65	78	79	66	61	67	70	66	71	76	82	78	63	61	80	83	87	85	85	75	74	73	69	69	74 0
	Minimum	42	47	58	38	33	38	46	34	40	54	46	34	29	33	36	33	35	42	42	37	31	35	38	40	43	48	56	46	58	48	48	41 5
Marion	Maximum	73	76	65	58	66	77	71	56	72	72	61	55	63	65	72	77	80	73	74	60	65	75	80	84	82	86	75	71	69	64	63	70 3
	Minimum	50	53	54	42	40	50	43	34	35	53	45	35	37	44	49	49	60	55	56	41	40	45	53	54	56	60	53	54	53	48	47	48 9
Mayfield	Maximum	82	80	68	62	69	79	77	60	76	76	68	59	65	69	69	80	81	75	80	65	75	75	82	85	84	82	75	70	70	70	70	73 5
	Minimum	48	46	56	43	37	46	45	35	46	53	46	33	34	38	38	38	40	50	56	49	42	35	35	45	45	49	54	59	51	49	48	45 2
Owensboro	Maximum	70	79	65	59	51	75	74	52	72	69	54	54	54	61	69	71	76	79	74	71	60	62	74	78	82	84	84	70	70	67	68	68 9
	Minimum	51	48	51	41	36	42	47	36	37	51	46	37	32	33	40	44	59	46	47	43	43	40	42	47	47	54	53	46	53	49	50	44 9
Paducah (Lone Oak)	Maximum	78	80	71	62	71	81	76	61	78	76	72	61	68	74	78	81	82	76	77	65	67	79	84	88	86	84	80	72	71	69	68	67 5
	Minimum	46	50	54	44	39	49	40	36	47	55	45	35	33	36	40	46	48	57	51	41	37	45	44	46	51	54	60	50	53	47	47	46 0
Paducah	Maximum	77	78	63	67	70	73	68	60	79	78	68	64	67	65	74	85	84	75	80	65	75	77	82	85	84	84	80	74	73	71	70	73 5
	Minimum	47	46	48	43	40	47	50	37	48	57	43	36	35	38	40	48	45	46	40	45	47	50	48	50	49	54	59	51	49	48	45	44 8
Princeton	Maximum	72	77	67	56	66	76	74	56	74	73	63	55	61	67	74	74	82	75	74	59	65	75	81	82	81	83	75	70	70	70	70	73 5
	Minimum	43	47	55	45	35	41	47	35	45	55	45	37	30	32	35	42	45	50	43	39	32	35	39	41	44	47	57	50	53	45	46	43 2
Russellville§§	Maximum	74	81	67	60	67	76	76	55	74	76	68	56	62	70	75	79	82	74	77	57	67	75	82	85	84	84	80	74	73	71	67	71 2
	Minimum	13	44	59	41	34	42	50	35	40	53	47	34	28	35	38	41	44	52	46	42	32	34	40	41	46	48	55	47	53	47	47	43 2
Central Division.																																	
Anchorage	Maximum	78	81	69	63	67	74	76	54	74	74	56	54	64	73	75	78	83	74	75	56	66	75	79	84	84	83	66	73	71	67	66	71 2
	Minimum	39	43	43	34	32	39	41	33	35	49	44	31	26	28	35	40	48	48	48	40	30	34	39	41	42	46	43	53	50	48	45	40 2
Bardstown	Maximum	74	80	69	60	67	74	75	55	72	75	62	58	63	70	73	76	80	72	75	54	64	75	77	82	82	83	68	74	70	70	62	70 7
	Minimum	41	46	55	38	33	33	48	35	37	55	42	32	27	29	38	41	45	52	43	40	33	35	39	42	44	48	55	48	54	52	50	42 3
Bowling Green	Maximum	77	75	80	64	70	76	79	58	79	81	70	61	67	75	79	83	84	79	80	63	67	77	82	85	84	84	80	77	74	68	72	74 8
	Minimum	43	45	43	40	36	39	40	36	39	54	47	36	30	33	38	43	45	51	47	43	37	56	43	45	48	55	56	52	54	49	47	43 4
Camp Knox	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eubank	Maximum	70	77	66	59	64	71	73	66	70	73	67	50	61	68	71	74	61	75	72	55	63	71	71	83	86	78	73	71	73	70	57	68 8
	Minimum	41	44	56	36	32	35	41	26	34	58	41	30	26	28	29	38	40	47	42	36	33	33	35	40	40	45	56	51	51	54	49	40 3
Frankfort	Maximum	71	77	72	61	63	71	71	56	69	71	68	52	58	66	70	72	77	77	73	54	60	70	73	78	80	77	73	71	73	67	64	69 0
	Minimum	44	48	48	42	37	40	48	37	41	52	44	36	31	32	36	41	43	50	44	45	36	35	41	43	48	54	54	48	50	48	45	43 3
Franklin	Maximum	73	74	71	63	69	77	76	57	76	79	71	58	62	69	74	80	82	75	80	62	70	78	82	85	86	85	76	74	68	70	63	72 5
	Minimum	45	56	59	42	36	42	51	36	42	57	49	37	31	37	41	44	47	55	48	42	36	51	42	44	51	47	54	51	54	46	46	45 8
Glasgow	Maximum	76	82	69	60	69	72	70	64	62	74	60	52	64	73	71	80	82	70	78	63	66	78	82	85	86	85	76	74	69	69	69	71 9
	Minimum	43	46	55	40	34	42	50	34	36	54	47	32	30	35	38	41	46	56	46	40	33	39	46	43	46	44	46	52	53	52	45	42 1
Greensburg	Maximum	75	81	69	60	69	81	79	67	74	80	69	58	63	72	76	75	81	73	83	57	65	74	79	84	84	83	69	70	70	64	62	72 5
	Minimum	39	44	58	39	32	33	40	35	33	54	40	29	24	26	33	36	39	45	40	38	28	29	33	36	37	38	56	48	51	45	45	39 0
Irvington	Maximum	72	76	67	58	63	72	73	52	69	70	62	54	59	68	69	73	77	73	74	62	61	71	75	79	79	80	72	71	65	67	61	69 8
	Minimum	44	46	56	42	37	46	43	36	41	57	49	37	30	34	42	45	49	55	48	42	37	42	43	48	48	49	55	53	54	48	51	45 5
Junction City	Maximum	73	78	70	68	65	73	73	53	70	74	65	56	61	70	71	77	79	73	75	53	63	74	78	84	81	79	69	70	68	67	66	71 6
	Minimum	37	42	58	32	32	35	42	31	33	41	38	36	24	27	33	37	41	45	41	45	37	31	35	39	40	41	55	48	45	52	50	39 8
Lebanon	Maximum	71	77	66	57	62	72	73	59	70	71	64	53	59	67	69	73	77	71	74	58	61	71	76	82	82	75	72	66	67	61	61	68 9
	Minimum	43	48	56	41	35	41	46	36	38	56	46	37	30	34	38	43	46	53	44	42	34	37	40	43	45	48	55	49	52	49	49	43 7
Lexington	Maximum	71	75	63	55	60	70	71	48	68	69	55	48	58	68	70	72	78	68	69	50	59	69	76	78	77	77	69	68	66	62	58	66 1
	Minimum	52	54	48	40	42	47	49	36	39	55	42	36	41	43	49	54	58	56	46	44	39	44	53	57	55	49	52	53	52	52	51	47 8
Louisville	Maximum	73	76	66	58	64	73	72	51	71	71	56	53	61	68	70	75	79	73	71	53	62	72	76	81	82	80	75	72	72	68	65	70 6
	Minimum	48	53	50	43	40	48	49	37	45	56	43	40	35	38	46	49	53	57	51	45	42	46	48	50	52	52	57	54	53	54	52	47 6
Do Cherokee Park	Maximum	69	75	69	58	62	71	71	69	69	68	62	52	58	64	68	72	77	74	70	54	60	70	74	78	79	79	74	71	67	66	63	68 2
	Minimum	44	47	56	43	37	44	49	37	41	57	48	39	31	32	38	43	47	55	47	45	37	38	42	44	44	47	57	48	52	52	50	44 9
St. John	Maximum	76	80	70	70	66	74	78	54	71	76	75	75	75	74	75	75	77	77	79	79	56	63	79	79	78	78	81	80	81	66	67	73 6
	Minimum	12	49	47	37	34	39	48	35	37	33	35	30	28	32	34	36	45	43	43	37	39	39	43	43	41	42	42	44	44	47	57	43 8
Scott	Maximum	73	75	69	60	63	73	71	51	69	69	60	51	61	70	70	75	79	73	67	54	63	72	72	79	75	76	76	68	70	68	65	68 6
	Minimum	43	47	52	40	35	44	47	37	41	52	45	35	29	30	37	43	50	57	46	44	37	41	45	46	45	45	49	48	52	52	51	47 8
Shelbyville	Maximum	73	79	67	64	66	66	75	53	70	73	69	49	65	72	73	76	81	77	73	53	66	72	77	81	81	80	72	73	70	72	69	70 4
	Minimum	37	41	49	36	35	39	43	30	32	47	41	32	27	33	37	43	50	56	44	41	34	35	41	45	46	45	49	48	52	52	51	43 3
Taylorsville	Maximum	69	76	66	58	63	71	74	52	69	73	63	53	57	66	69	73	77	72	74	54	60	71	73	78	79	78	77	73	70	68	66	69 2
	Minimum	40	44	47	41	33	37	46	36	38	47	41	33	26	27	33	43	41	47	41	42	32	34	39	43	42	47	45	48	47	51	51	43 1
Williamstown	Maximum	73	79	72	62	63	73	75	58	70	68	63	53	60	68	68	74	80	76	70	56	62	72	77	81	81	80	72	73	70	68	61	70 6
	Minimum	44	42	52	37	34	41	50	35	38	53	45	33	30	34	38	40	50	56	47	42	34	39	43	42	47	45	48	47	51	51	47	43 1
Eastern Division.																																	
Ages	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ashland	Maximum	76	84	68	55	64	73	76	60	75	75	70	51	60	68	70	72	79	77	73	59	61	74	76	82	79	75	67	72	75	77	67	70 6
	Minimum	47	49	50	40	32	41	56	38	42	59	45	35	39	43	47	50	54	59	45	43	36	36	40	43	43	45	45	49	51	55	58	45 1
Beattyville	Maximum	74	79	72	60	67	74	76	70	73	77	68	55	62	72	76	76	82	77	77	65	76	76	79	86	84	81	70	76	74	75	64	73 4
	Minimum	44	45	50	39	35	38	40	38	33	45	43	35	30	31	32	41	41	43	43	39	42	33	36	40	39	41	40	39	41	40	46	40 8
Berea	Maximum	70	79	68	58	65	74	75	61	70	74	62	54	60	68	73	74	80	75	72	53	66	72	77	83	81	79	65	74	74	72	65	69 9
	Minimum	41	49	54	40	34	43	51	37	38	58	44	35	27	31	40	45	41	56	48	43	39	37	42	44	46	48	52	54	56	64	45	44 9
Jackson	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Maysville	Maximum	72	75	69	58	62	70	74	52	67	71	62	52	56	64	68	70	78	70	71	55	58	68	70	76	76	73	65	71	74	71	67	67 0
	Minimum	44	49	54	42	39	41	50	39	41	58	44	37	30	34	37	43	48	50	44	43	38	38	42	44	44	48	50	49	51	54	52	43 9
Middlesboro	Maximum	72	75	65	60	65	70	72	62	67	76	75	58	60	69	70	75	77	77	68	67	64	72	78	82	83	75	64	73	71	71	71	70 4
	Minimum	45	44	59	38	36	39	40	40	32	57	47	34	29	28	30	29	41	43	40	39	44	39	37	39	39	42	44	49	52	53	53	47 1
Mount Sterling	Maximum	70	77	68	56	63	71	71	60	68	71	62	51	56	66	71	73	77	74	71	55	69	59	73	79	77	76	65	72	71	71	71	68 0
	Minimum	40	44	51	40	34	39	44	34	34	50	45	34	27	30	30	38	43	48	47	42	39	36	40	42	43	44	49	52	53	53	52	46 9
Richmond	Maximum	75	79	70	61	60	75	74	68	70	75	70	52	62	71	76	77	82	78	78	70	53	63	73	81	83	82	76	78	73	73	65	74 2
	Minimum	45	49	58	42	38	45	54	38	38	57	50	36	32	36	42	47	56	52	48	37	45	44	48	51	50	55	56	57	54	52	46	47 2
Williamsburg	Maximum	77	77	69	69	66	75	76	73	77	81	71	59	62	73	76	78	80	80	80	70	64	77	81	85	83	77	69	74	75	76	68	74 2
	Minimum	45	46	60	40	37	38	41	38	34	54	46	35	29	31	35	39	41	47	49	40	43	34	37	40	41	40	51	48	50	54	44	42 2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

... etc. indicate respectively 1, 2, 4, etc., days missing from record.

551.65
UNKE

UNIVERSITY OF ILLINOIS LIBRARY

1922

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., NOVEMBER, 1921. No. 11

GENERAL SUMMARY.

The first half of the month was comparatively dry and somewhat cold, temperature averaging below normal most of the period. Winter grains looked well but grew more slowly because of the low temperature. Growth of grass nearly ceased, and although pastures were good at the beginning of the month they became quite short toward the middle. Corn dried out sufficiently for cribbing, and the work of gathering was greatly accelerated by the favorable weather, being about half completed by the end of the second week. A change to abnormally high temperature, accompanied by rain, occurred on the 16th, ushering in a period of heavy and continuous precipitation that caused the suspension of most outdoor work. Corn fields were too soft to enter with teams, while shocks were soaked through and ears began to mold. The excessive rains caused much damage to bridges, roads, soil on slopes, and crops in lowlands, the losses being greatest in the western half of the State. Thunderstorms, remarkable for frequency, duration, and intensity of electrical display, occurred daily during the periods 16-19th and 23d-27th. The storm on the morning of the 17th at Louisville was similar to the severest that occur in this section in July, lightning and thunder continuing for five and one-half hours.

Farmers utilized the warm, moist weather to begin stripping tobacco; while handling, packing and marketing of old tobacco were also very active in the dark district. The abundant moisture and high temperature, ranging most of the time from 10° to 20° above normal, caused renewed growth of grains and grasses. Although too late to expect much of pastures, they revived to such an extent as to furnish good grazing until the end of the month. A serious effect of the warmth was the expansion of fruit buds, which passed into the winter in poor condition to withstand severe freezes.

TEMPERATURE.

The temperature for the month, 41 stations reporting, averaged 49.7°, which is 3.6° above normal. Minimum temperatures of freezing or a few degrees below were registered on most days during the first half of the month; but maximum temperatures of 70° or higher were frequent. During the last two weeks maximum temperatures were somewhat higher, while minima seldom fell to freezing. Extremes at the various stations were 79° at several stations on the 6th, 14th, 18th and 26th; and 20° at Greenville on the 12th.

PRECIPITATION.

The average precipitation, based on the reports of 54 stations, was 7.96 inches, which is 4.61 inches above normal, and the heaviest on record for November in this State. In the northern, central and western counties monthly amounts ranged between seven and nine inches; but in a limited area near the Ohio River, and in another district including a large part of the upper Green River basin, they ranged from 10 to 13 inches. In most of the mountain region from four to six inches occurred, the amount diminishing toward the southeast. Moderate to heavy rains occurred generally on the 1st, and somewhat lighter rains on the 9th. In the periods 16-19th and 23d-28th precipitation was excessive in nearly all parts of the State. On the 17th 24-hour amounts ranged from 1.00 to 4.00 inches at most stations, followed on the 18th in the western counties by equivalent downpours. Excessive rains were again general on the 27th and 28th. Amounts at the various stations ranged between 3.78 inches at Pikeville and 13.07 inches at Blandville.

(Continued on next page.)

PRESSURE AND WIND.

Stations	Atmospheric Pressure. In inches reduced to sea level. Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Mean hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.07	30.47	20	29.62	18	6008	8.0	44	SW.	18
Cincinnati ..... Ohio	30.07	30.52	20	29.52	1	6216	8.6	42	NW.	15
Evansville ..... Ind.	30.09	30.48	20	29.69	1	5826	12.4	44	W.	1
Lexington ..... Ky.	30.07	30.49	20	29.44	1	11167	15.4	56	S.	28
Louisville ..... Ky.	30.08	30.51	20	29.47	1	9792	13.6	52	N.	28

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of sunshine.	No. of hours possible.	Percentage of possible.	Number of clear days with 80 per cent of sunshine.	Number of cloudy days with 20 per cent or less.
Cairo ..... Ill.	85	61	64	159.5	325.6	52	16	5
Cincinnati ..... Ohio	89	69	76	124.8	301.5	41	8	14
Evansville ..... Ind.	82	63	65	140.2	303.7	46	12	11
Lexington ..... Ky.	85	53	....	117.1	303.7	39	7	15
Louisville ..... Ky.	82	66	68	113.2	303.7	37	6	15

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature. Monthly average	Departure from 30-year normal	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with 0.01 or more.
1890	43.1	-2.6	75	20	6.64	2.64	
1891	43.5	-2.2	81	19	1.87	-1.87	
1892	43.5	-2.6	75	16	6.04	-2.69	
1893	42.8	-3.3	78	20	3.35	-5.38	
1894	44.3	-1.8	78	20	3.42	-5.31	
1895	45.8	-0.3	85	19	4.29	-4.44	
1896	42.3	-3.8	80	11	5.01	-3.76	
1897	47.7	+1.7	78	12	4.69	-1.34	
1898	43.5	-2.5	77	16	12.52	+6.54	
1899	44.8	-1.2	80	12	4.77	-1.23	
1900	47.0	+1.0	75	18	7.52	+1.52	
1901	46.1	+0.1	81	11	4.76	-1.24	
1902	43.4	-2.6	80	20	5.43	+0.43	
1903	42.7	-3.3	81	20	3.64	-1.36	
1904	45.7	+1.4	79	14	6.96	+1.96	
1905	46.4	+2.1	80	14	5.20	+0.20	
1906	46.1	+1.8	81	11	3.92	-1.08	
1907	44.2	-0.2	79	20	5.14	+0.14	
1908	43.6	-2.5	80	8	4.63	-0.74	
1909	44.1	-2.0	85	20	7.79	+2.79	
1910	41.1	-5.0	81	20	2.04	-4.31	
1911	41.6	-4.5	81	20	4.51	-1.84	
1912	45.4	-0.7	84	20	4.14	-2.13	
1913	45.5	-0.6	84	20	1.23	-5.04	
1914	47.8	+1.7	84	20	4.16	-2.12	
1915	44.3	-1.8	82	20	4.18	-2.10	
1916	47.3	+1.2	84	20	4.85	-1.43	
1917	44.1	-2.0	82	20	4.32	-1.96	
1918	49.1	+3.0	84	20	3.52	-2.76	
1919	44.1	-2.0	82	20	4.32	-1.96	
1920	44.7	-1.4	82	20	4.32	-1.96	
1921	49.7	+3.6	79	20	7.96	+4.61	

Climatological Data for November, 1921.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.			Number of days.					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. .01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																			
Beaver Dam	Ohio	441	17	50.9	+ 4.6	75	8†	22	12	39	8.35	+5.49	1.90	0	11	15	6	9	w.	Miss Addie B. Taylor
Blandville	Ballard	445	39	51.1	+ 3.8	73	5†	28	12	36	13.07	+9.00	4.55	0	11	9	7	14	se.	E. W. Horr.
Calhoun	McLean	437	18	50.4	+ 2.0	72	8†	23	12	35	8.01	+4.90	1.52	T.	12	9	8	13	nw.	W. A. Taylor.
Earlington	Hopkins	420	30	49.4	+ 1.5	73	18	24	12	34	7.38	+3.64	2.15	0	12	14	1	16	s.	Brick Southworth.
Greenville	Muhlenburg	519	4	*49.8	.....	78a	19	20a	12	41a	8.46	.....	1.90	0	11	11a	4a	14a	s.	C. R. Lovell.
Henderson	Henderson	327	12	.....	.....	.....	.....	.....	.....	.....	9.62	+5.88	2.20	0	10	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	24	51.0	+ 2.7	79	26	25	12	42	9.38	+5.23	2.81	0	14	13	1	16	w.	W. E. Graves.
Marion	Crittenden	571	22	50.8	+ 2.5	74	18	25	12	35	6.47	+2.75	1.71	0	8	8	8	14	sw.	B. C. Paris.
Mayfield	Graves	364	10	52.0	+ 3.0	78	17	27	30	41	8.20	+4.00	2.10	0	11	10	13	7	sw.	N. E. Douthit.
Owensboro	Daviess	479	24	49.6	+ 2.1	75	17	24	12	35	8.19	+4.74	2.45	0	13	12	7	11	nw.	Henry S. Berry.
Paducah (Lone Oak)	McCracken	516	4	50.4	.....	79	14	27	12	39	11.85	.....	3.10	0	8	11	8	11	s.	D. T. Hayden.
Paducah *	McCracken	341	32	51.2	+ 2.4	75	5	32	3	40	9.88	+6.08	2.97	0	8	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	10	50.0	+ 3.3	75	8	27	3†	39	8.22	+4.10	2.00	0	14	12	5	13	s.	Dr. W. L. Cash.
Russellville	Logan	590	8	*50.6	.....	75e	18	24e	12	38e	.....	.....	2.10e	0	....	14e	0e	11e	s.	E. C. Shelton.
Central Division.																				
Alpha	Clinton	811	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Frank Hicks.
Anchorage	Jefferson	700	20	*47.9	+ 3.6	73a	6	21a	15	43a	9.18	+6.23	4.00	T.	12	14	2	14	sw.	C. E. Barret.
Bardstown	Nelson	637	24	49.2	+ 2.2	75	18	27	3†	37	8.54	+5.16	3.05	0	8	13	4	13	s.	Chas. M. Talbott.
Bowling Green	Warren	500	30	52.0	+ 4.7	76	20	26	12	38	10.07	+6.46	2.20	0	9	13	4	13	w.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	3	.....	.....	.....	.....	.....	.....	.....	10.24	.....	2.32	0	17	.....	.....	.....	.....	James H. Young.
Burnside	Pulaski	773	28	.....	.....	.....	.....	.....	.....	.....	5.41	+2.20	1.84	0	16	.....	.....	.....	.....	F. E. Bradshaw.
Camp Knox	Hardin	736	0	49.8	.....	79	6	25	15	47	7.96	.....	2.11	T.	12	6	7	17	sw.	Signal Corps, U. S. A.
Carrollton (Lock No.1)	Carroll	492	21	.....	.....	.....	.....	.....	.....	.....	7.11	+4.18	1.62	0	17	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	7	.....	.....	.....	.....	.....	.....	.....	7.71	.....	1.52	0	16	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	26	50.8	+ 6.3	75	18	26	3†	38	6.23	+3.20	1.60	0	12	7	7	16	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	27	49.4	+ 3.0	76	18	28	15	36	9.29	+5.88	2.67	0	13	11	0	19	s.	Mrs. Amelia Wood
Franklin	Simpson	691	25	52.1	+ 3.6	75	18	25	12	35	8.04	+4.51	1.50	0	12	8	10	12	s.	Volney Jameson.
Glasgow	Barren	788	9	51.8	.....	76	18	29	3†	34	8.32	.....	1.45	T.	13	14	6	10	s.	Dr. Fidella Edwards.
Greensburg	Green	581	28	48.9	+ 3.7	77	18	24	15	43	7.57	+4.16	1.35	T.	16	7	4	19	se.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	18	.....	.....	.....	.....	.....	.....	.....	8.69	+5.52	2.17	0	15	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	23	49.7	+ 3.0	71	6*	27	12	34	8.46	+5.25	2.10	T.	10	11	4	15	sw.	W. J. Piggott.
Junction City	Boyle	985	27	48.5	+ 5.9	77	18	25	13†	43	7.02	+3.88	1.87	0	16	9	9	12	se.	Prof. E. L. Grubbs.
Leitchfield	Grayson	635	25	49.7	+ 3.4	74	18	26	12	34	10.05	+6.12	3.65	T.	12	11	7	12	sw.	John E. Stone.
Lexington	Fayette	989	33	48.0	+ 3.3	74	18	27	13	30	6.89	+3.11	2.90	T.	13	9	4	17	sw.	U. S. Weather Bureau.
LOUISVILLE	Jefferson	525	48	49.5	+ 3.2	71	19	26	12	33	8.32	+4.14	3.17	T.	12	8	7	15	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	11	48.6	+ 2.0	71	6	27	12	38	9.13	+6.70	3.55	T.	13	11	6	13	s.	Wm. I. Hunt.
St. John	Hardin	777	24	51.3	+ 5.9	78	8†	27	15	42	9.76	+6.28	2.60	T.	9	14	2	14	....	Sisters of Loretto.
Scott¶	Kenton	900	23	45.0	0.0	70	18	24	12†	37	7.70	+4.90	1.42	T.	12	7	8	15	s.	E. B. Wilson.
Shelbyville	Shelby	825	31	47.6	+ 3.2	77	18†	27	1†	41	7.55	+4.14	2.20	0	10	11	3	16	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	18	48.2	+ 3.4	75	18	25	15	39	7.07	+3.74	2.32	T.	8	10	6	14	sw.	E. D. Bourne.
Williamstown	Grant	943	18	45.8	+ 0.7	74	18	23	12	40	7.87	+5.14	1.81	T.	15	8	5	17	w.	Mrs. E. S. Humlong.
Woodbury	Butler	583	3	.....	.....	.....	.....	.....	.....	.....	9.16	.....	1.66	0	17	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ages	Harlan	1250	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	S. A. Driver.
Ashland	Boyd	534	3	49.7	.....	79	18	26	13	37	8.17	.....	1.65	0	12	6	6	18	sw.	Forester Farley.
Beattyville	Lee	650	16	50.0	+ 5.9	77	18	24	13	46	4.71	+1.77	0.81	0	18	6	6	18	w.	Mrs. Sabina E. Hall.
Berea	Madison	1076	18	*50.2	+ 2.9	77c	18	27	13	37c	6.72	+3.62	1.95	0	12	12	3	15	e.	F. C. Thompson.
Cynthiana	Harrison	684	3	.....	.....	.....	.....	.....	.....	.....	7.55	.....	2.05	0	12	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	32	.....	.....	.....	.....	.....	.....	.....	7.63	+4.46	2.06	T.	12	10	4	16	s.	J. V. Oldham.
Farmers	Rowan	668	13	.....	.....	.....	.....	.....	.....	.....	7.55	+4.72	2.30	0	11	8	12	10	sw.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	15	.....	.....	.....	.....	Jacob E. Lang.
Louisa	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	5.61	+2.86	1.30	0	.....	.....	.....	.....	.....	T. D. Snyder.
Maysville	Mason	524	23	47.6	+ 3.6	75	18	26	12	33	7.86	+5.02	2.00	0	13	17	2	11	w.	Harry M. Robinson.
Middlesboro	Bell	1128	23	49.6	+ 3.8	75	18	25	13	38	5.91	+2.40	1.85	0	12	9	18	3	.....	B. H. Perkins
Mount Sterling	Montgomery	930	31	48.0	+ 4.0	76	18	23	12	37	8.60	+5.36	2.43	T.	11	15	4	11	w.	W. B. McKee.
Oliver	Greenup	540	1	.....	.....	.....	.....	.....	.....	.....	6.16	.....	1.48	0	13	.....	.....	.....	.....	Chas. Folsom.
Pikeville	Pike	634	15	.....	.....	.....	.....	.....	.....	.....	3.78	+1.11	1.18	0	11	.....	.....	.....	.....	I. M. Williams
Richmond	Madison	926	26	51.4	+ 4.3	76	18	29	12†	35	5.34	+2.47	1.40	0	10	11	4	15	.....	J. W. Crooke
Vanceburg	Lewis	525	4	.....	.....	.....	.....	.....	.....	.....	7.71	.....	2.07	0	9	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	939	23	52.1	+ 5.3	79	18	24	11	44	6.09	+3.16	1.95	T.	14	9	4	17	se.	D. B. Bradley.
State averages and extremes		.....	.....	49.7	.....	79	14†	20	12	47	7.96	.....	4.55	T.	12	11	5	14	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, *, †, °, appearing in the table indicate number of days missing; for example, b represents two days, etc.
T Precipitation is less than 0.01 inch rain or melted snow.
* Also on other dates. †† Received too late to be included in means and summaries.
¶ Post-office address, Covington, Ky. *Temperature data by Evening Sun.

MISCELLANEOUS

November 16.—A faint auroral display was observed at Louisville, accompanied by some interference with wires. A barn was burned by lightning near Independence, Kenton County, with a loss of $2000.

November 17.—Severe windstorms, heavy rains, and lightning caused widespread damage in the central and western counties. At Danville the gas and electric plants were disabled and wire systems were damaged, the losses being estimated at $20,000. In Logan County a church, schoolhouse, and many tobacco barns were wrecked by wind. At Winchester, Nicholasville, and Shelbyville flood waters entered many buildings. The loss at Nicholasville from this cause was estimated at $8,000. Damage in Louisville and vicinity from flooded cellars and from wrecked bridges along Bear Grass Creek was estimated at $5,000 to $10,000. Corn shocked in the lowlands along Salt River was damaged by floods. Several stock barns in McCracken

Daily Precipitation for November, 1921.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Western Division.																															
Beaver Dam ..... G	.90								.40				.10		.35	1.90	.25	.60				.10	.55			1.70	1.50				6.60
Bandiville ..... M.	.06								.24						.27	1.79	4.55	1.07				.15		.86	1.57	2.47	.04		T.		12.65
Calhoun ..... G	.62								.36		.01		.02	T.	.13	1.38	1.20	.76				T.	.60	T.		.36	1.52	1.11				8.61
Darlington ..... G	.52								.10		.03				.22	2.15	.81	.62				.22	1.68	T.		.19	.84	.66				7.58
Greenville ..... G	1.02								.14						.48	1.90	.45	.57				.68	1.20			.18	1.75	.74				8.46
Henderson ..... O.	.30								.02				.05			2.15	2.20	1.90				.65	.65		T.	1.70	.60				9.62
Hopkinsville ..... C.	1.03								.12			.04	.06		.41	1.76	.88	.38				.56	.67	.01	.09	2.81	.56				9.38
Marion ..... O.									.20		T.		T.		.20	1.50	1.40	.40				T.	.73	T.	1.71		.33				6.47
Mayfield ..... M.									.20				.15		.15	2.10	1.10	.70				.50	1.60		1.50	.56	.30				8.20
Owensboro ..... O.	.60								.25		.10		T.		.05	2.45	1.80	.66				.58	.80	.05	.20	.25	.40				8.19
Paducah (Lone Oak) ..... O.									.37						.27	1.86	3.01	.92				1.20	1.12		3.10						11.85
Paducah ‖ ..... O.	.10								.05	T.						1.30	2.66	1.20					1.20	.50		2.97	T.				9.88
Princeton ..... G	.19								.19		T.		.02	.02	.21	1.57	.90	.95				.69	.70	.02	2.06	.40	.36				8.22
Russellville ‖ ..... G	1.57								.57							.41	1.17	.36								2.10	.80	.06				
Central Division.																															
Alpha ..... C.																															
Anchorage ..... O.	.81								.52		.01	T.			.34	4.00	.19	.49				.04	.57		.28	1.24	.59				9.18
Bardstown ..... S.	1.00								1.32						.37	3.05		.81					.44			.78	.77				8.54
Bowling Green ‖ ..... G.	2.20								T.	1.10		T.		T.		.45	.82		1.00	T.			.20	.70		2.20	1.40				10.07
Brownsville ‖ ..... G.	2.32	.03							.70	.09		.09		.10		.47	.97	.68	.11			.05	.51	.42	.02	2.00	1.48	.20			10.24
Burnside ..... C.	1.84	.05							.30	.08				.15	.02	.15	.70	.34	.17			.30	.09	.04		.34	.72	.12			5.41
Camp Knox ..... O.	T.	T.							.65	T.	.09		T.	T.	.15	2.11	.37	.41				.05	.65	.55		.02	1.63	1.88				7.96
Carrollton (Lock No. 1) ..... O.	.94	.04							.32	.18	.02	.07				.96	.86	.37	.12				.05	.47	.30	.13	.63	1.62	.03			7.11
Cloverport ..... O.	.42	.04							.02	.11		.04	.01			1.25	1.02	1.29	.11				.03	.42	.51	T.	.91	1.52	.01			7.71
Calvalk ..... C.	1.60								.80					.18	.10	.65	.85	.20					.10	.65	.10	.50	.50					6.23
Frankfort ‖ ..... K.	.92	T.							.36	.12		.05		T.	T.	2.67	.92	.48				.01	.44	.24	T.	.92	2.12	.04			9.29
Franklin ..... G.	1.39								1.50				.07	.03		.40	.82	.27	.85			.27	.32			1.22	.90				8.04
Glasgow ..... G.	1.20								1.45		.02		.05	.20		.30	.50	1.15	1.00			.20	.50			1.40	1.35				8.32
Greensburg ..... G.	1.27	.06							1.20	.05	.03		.03	.09		.31	.53	.05	.92			.05	.48			.06	1.25	1.09				7.57
High Bridge ..... K.	1.35	.03							.51	.05						2.17	1.67	.51	.11			.06	.05	.09	.01	.93	1.02	.13			8.69
Irvington ..... O.	.98								.19		T.	T.	T.	T.	.14	2.10	.87	.64				T.	.83		.34	1.34	1.03				8.46
Junction City ..... K.	1.87							.67	.02		.08	.01	.01	.06	.01	.50	.75	1.00	.01		T.	.05	.15		T.	1.05	.78				7.62
Leitchfield ..... G.	.62								.32			T.	.06		.30	3.35	.04	.57				.10	.36		.86	2.90	.57				10.65
Lexington *** ..... K.	.55							.12	.30		.03		T.	.01	.64	2.50		.60				.02	.14		.32	.74	.92				6.89
Louisville*** ..... O.	.65								.09		.05		T.		.33	3.02	.63	.24				.04	.87		.23	1.83	.34				8.32
Pine (Cherokee Park) ..... O.	.87								.17		.05	T.		.05	.29	3.55	.56	.31				.04	.62		.13	.67	1.82				9.13
St. John ..... S.	1.25	.01							.75		T.	T.			.42	1.63						.20	T.	1.10		T.	2.66	1.80				9.76
Scott ..... L.	1.10								.59		.18	.01	T.		.42	.88	.19	.43					1.14		.22	.51	1.23		T.		7.70
Smithville ..... S.									.57					.25	.50	2.14	1.32	.12					.05	.30	2.20	.10					7.55
Taylorsville ..... S.	1.10								.67		.03		T.	T.	.22	2.32	T.	.57								1.70	.46				7.07
Williamstown ..... L.	1.20	.02							.57	.01	.17	.03		.02	.62	1.81		.44				.06	1.03		.15	1.22	.52				7.87
Woodbury ..... G.	1.65	.01							.06	.11		.03	.01	.08		1.01	1.66	.41	.09			.08	.38	.43	T.	1.56	1.54	.05			9.16
Eastern Division.																															
Ages ..... K.																															
Ashland ..... O.	1.60	.04							.30	.12		.16		.05		1.65	.60						.78			1.40	.55	.92				8.17
Beattyville ‖ ..... K.	.81	.29							.22	.24		.16		.20	.20	.25	.62	.16	.11			.08	.18	.06	.04	.36	.50	.23				4.71
Berea ..... K.	1.54								.31			1.95	.02	T.		.30	.90		.10		.01		.05		.20	.56	.78				6.72
Cynthiana ..... L.	1.30	.10							.10	.05		T.				T.	2.05	1.65	.40	T.			.15			.10	1.30	.25	.10			7.55
Falmouth ‖ ..... L.	1.06								1.45	.12		.13	T.			2.06	T.	.37	.08				.78	.13	.09	1.00	.42				7.63
Farmers ..... L.	1.14	.26							.29	T.		T.				2.30	.70	.21	T.				.40	.22		1.07	.84	.12				7.55
Jackson ..... K.																															
Louisa ..... B.	.93	.03							.07	.18		.12		.02		1.30	.23		.14			.03	.25	.14		.33	.87	.97				5.61
Maysville ‖ ..... O.	1.05	T.							.32	.15	T.	.15		T.		2.00	1.55	.35	.16			.08	.85	.18	T.	.90	.12				7.86
Middlesboro ..... C.	1.85								.15	.04	.20		.09	.59		1.11	.75						.15			.75	.68				6.94
Mount Sterling ..... L.	1.30								.29		.09	T.	T.	.04		1.60	2.43	T.	.41			.02	.28		T.	.90	1.24				8.60
Oliver ‖ ..... O.	1.10	.16							.30	.12		.18				1.48	.98		.21			T.	.37	.23		.45	.40	.23				6.16
Pikeville ‖ ..... B.	.84	.18							.12			.18		.34	.08		.12							.12		.16	.46	1.18				3.78
Richmond ..... K.	1.40								.44		T.		.03	T.		.30	.86		.30			.04	.07			.71	1.19				5.34
Jamesburg ‖ ..... O.	.84								.23			.27		.04		2.07	1.83	.30							1.37			.76			7.71
Williamsburg ‖ ..... C.	1.95	.03							.11	.02	T.	.10	.06	.45	.04	T.	1.15	T.	.50			T.	.23	.02	T.	.35	1.08				6.09

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Precipitation for 24 hours ending at 3 p. m

County and a mill valued at $10,000 in Ballard County were destroyed by lightning.

November 18.—Buildings, telephone systems, and timber were damaged by wind in Warren County.

November 19.—A windstorm unroofed buildings, and damaged wire systems in Louisville and vicinity. A local storm, showing some characteristics of a tornado, destroyed several barns in the bottoms west of Hickman. Windstorms destroyed many tobacco barns in Daviess and Todd counties, and damaged buildings in Bracken County.

November 26.—Roads were damaged to the extent of $20,000 in Ballard County by excessive rains.

Rivers.—Green River reached flood stage at Woodbury on the 29th, at Brownsville on the 30th, and was near flood stage at Rumsey on the 30th. The Ohio rose moderately during the first week, followed by another rise to comparatively high stages in the period 17th-21st. A third rise, starting in the upper reaches on the 25th, continued at the end of the month, causing high stages generally. Flood stage was reached at Evansville, and nearly reached at Catlettsburg and Portsmouth, on the 30th.

Daily Temperatures for November, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	61	60	61	60	65	73	70	75	67	52	57	45	46	55	60	69	66	75	74	54	66	75	67	65	56	70	67	46	59	60	..	62.8
	Minimum	50	40	27	36	35	34	39	39	36	36	22	29	43	25	41	50	60	40	37	30	40	54	40	38	50	46	36	36	35	46	..	39.0
Blandville	Maximum	61	56	61	72	65	73	70	72	61	52	56	44	56	55	61	71	67	73	73	56	60	70	68	68	51	68	66	47	58	59	..	61.7
	Minimum	47	34	30	36	43	43	43	47	39	31	37	28	35	40	32	53	59	60	38	35	33	46	56	37	38	45	35	36	30	44	..	40.5
Calhoun	Maximum	58	54	57	68	67	71	66	72	69	56	53	41	46	55	57	70	67	71	72	51	61	70	69	65	55	68	59	48	55	58	..	61.0
	Minimum	53	53	29	33	39	36	40	42	38	36	37	23	32	44	29	43	59	56	40	34	32	39	52	40	46	49	47	38	37	40	..	39.7
Earlington	Maximum	54	52	50	60	62	70	69	72	61	50	55	40	46	55	57	70	67	73	72	51	62	63	66	65	55	68	60	47	55	59	..	60.1
	Minimum	48	30	28	31	36	36	40	40	37	35	32	24	33	42	25	49	59	59	38	33	31	42	59	39	39	50	39	37	33	41	..	38.8
Greenville	Maximum	56	53	54	70	65	71	71	74	65	50	57	41	45	49	54	69	64	76	78	..	56	71	72	61	54	60	60	48	54	59	..	*60.7
	Minimum	48	31	26	30	38	52	41	39	37	34	36	20	28	41	25	43	58	59	37	..	29	46	55	38	38	48	45	35	34	35	..	*38.8
Hopkinsville	Maximum	56	58	61	72	69	69	74	74	64	57	54	45	44	58	61	71	69	74	72	55	68	75	68	62	58	79	61	52	58	59	..	63 2
	Minimum	49	31	28	30	36	38	41	44	38	38	36	25	31	34	29	49	59	59	40	37	31	39	55	40	39	43	47	36	32	36	..	38 9
Marion	Maximum	56	54	61	70	65	72	68	72	67	66	50	42	48	55	60	70	66	74	72	52	62	72	65	65	51	65	58	45	56	58	..	62 4
	Minimum	49	33	32	37	42	44	45	45	38	31	35	25	36	41	30	50	58	60	38	35	36	39	50	39	38	48	40	37	40	33	45	40 4
Mayfield	Maximum	61	55	55	73	67	72	72	73	66	65	56	46	46	58	63	72	78	75	74	60	62	71	69	67	53	70	71	49	60	60	..	64.0
	Minimum	50	33	33	32	42	42	44	47	38	33	38	30	35	44	31	49	59	60	40	29	30	44	55	38	38	47	48	32	29	27	..	39.9
Owensboro	Maximum	56	53	56	66	61	72	65	71	58	49	51	45	47	53	58	69	75	70	73	52	62	71	71	52	55	68	63	47	52	57	..	59.7
	Minimum	43	35	35	34	43	38	43	43	37	35	35	24	32	43	30	46	45	60	38	36	36	45	48	31	41	51	45	39	37	40	..	39.6
Paducah (Clone Oak)	Maximum	63	58	62	73	71	75	74	74	68	54	55	48	50	59	67	71	70	74	77	54	65	75	70	75	64	64	64	49	58	60	..	59 2
	Minimum	51	33	34	38	41	40	43	43	40	39	39	27	35	46	30	50	60	60	38	36	36	45	48	31	41	51	45	39	37	40	..	39 6
Paducah	Maximum	65	59	64	74	75	70	70	73	70	51	49	45	55	69	64	71	65	74	62	63	66	72	64	54	55	64	49	47	65	59	..	61 7
	Minimum	41	36	32	34	42	45	45	47	42	37	38	36	36	38	33	52	42	61	41	40	42	46	48	40	37	40	33	35	43	46	..	40 8
Princeton	Maximum	56	54	57	69	65	67	67	75	66	49	56	43	47	57	59	69	66	73	71	52	62	69	67	62	52	69	59	50	54	55	..	60 6
	Minimum	49	34	37	39	39	35	40	40	37	35	35	27	32	43	28	50	59	59	39	35	30	39	55	40	39	48	48	39	46	46	..	39 0
Russellville§§	Maximum	55	54	59	67	66	69	72	73	69	48	57	43	48	52	61	69	70	75	..	..	..	73	..	..	..	68	..	63	61	59	60	*60.7
	Minimum	48	34	38	33	40	38	41	11	47	35	34	24	39	35	28	51	58	50	55	..	..	..	..	..	..	48	..	48	54	36	36	*40.6
Central Division.																																	
Anchorage	Maximum	57	54	56	66	60	73	66	66	56	..	51	42	44	51	55	66	63	71	71	50	61	70	67	62	53	63	58	54	56	57	..	*59 3
	Minimum	42	27	25	29	30	30	35	37	34	..	33	26	28	38	21	38	56	58	38	34	30	37	48	42	34	48	53	37	35	35	..	*36 5
Bardstown	Maximum	60	53	59	67	60	73	69	70	60	46	56	45	44	45	56	68	65	75	70	50	60	71	68	65	54	66	58	48	53	58	..	59.7
	Minimum	44	31	27	30	39	38	42	38	40	36	24	28	30	31	27	41	59	58	40	37	31	39	51	42	39	49	48	38	38	38	..	38.8
Bowling Green	Maximum	63	58	62	70	68	69	73	75	65	49	58	46	47	53	58	65	70	69	70	76	71	75	64	61	65	75	68	49	60	61	..	63 8
	Minimum	46	37	30	34	41	36	46	41	40	35	32	26	30	35	30	44	54	59	45	39	33	45	54	42	41	47	54	37	37	38	..	40 2
Camp Knox	Maximum	57	53	57	66	64	79	67	70	64	47	53	46	44	52	55	67	65	70	71	58	61	70	68	64	54	64	64	51	56	59	..	60 6
	Minimum	47	36	28	32	39	32	39	37	39	35	38	26	28	40	25	35	58	58	40	37	30	43	49	43	40	46	53	39	35	38	..	78 9
Eubank	Maximum	60	56	56	64	60	69	71	72	70	52	50	38	41	52	54	69	69	75	76	50	62	71	68	61	56	67	63	50	57	60	..	42 1
	Minimum	47	38	26	29	36	33	41	40	44	44	42	26	27	40	27	39	59	59	55	41	36	31	33	46	31	40	57	52	51	53	54	39 6
Frankfort	Maximum	60	59	55	64	63	69	65	65	63	60	42	53	44	44	52	52	66	64	76	73	70	58	66	66	65	63	64	62	55	72	55	*59 5
	Minimum	46	35	31	33	39	33	41	39	38	36	36	29	31	45	28	49	59	55	49	39	32	36	45	44	40	46	55	48	46	54	58	*36 5
Frankfort	Maximum	57	55	60	70	66	70	71	74	68	47	60	48	43	52	60	67	70	75	73	53	65	74	65	63	58	72	66	55	58	62	..	59.7
	Minimum	48	34	32	35	42	38	47	43	40	36	34	25	31	41	48	47	59	58	40	38	33	44	59	44	40	50	54	36	38	37	38	41 5
Franklin	Maximum	57	54	58	66	66	69	70	74	61	64	64	54	44	51	63	68	70	76	71	65	67	74	64	63	63	69	60	54	58	62	..	63 6
	Minimum	45	39	29	32	40	40	40	42	38	36	33	30	29	36	36	38	55	58	40	40	33	40	55	43	40	46	52	35	34	31	..	40 1
Glasgow	Maximum	57	52	57	65	61	71	71	73	68	43	59	46	44	52	52	69	72	77	73	51	63	70	63	65	56	70	67	52	56	57	60	61 3
	Minimum	47	32	27	27	34	28	36	35	40	34	27	27	25	40	24	36	58	57	39	35	26	29	46	38	40	46	52	36	34	34	31	36 5
Greensburg	Maximum	57	50	56	65	58	71	65	70	65	47	56	40	45	53	56	67	65	71	71	50	59	68	67	61	55	61	58	46	54	58	..	58 8
	Minimum	46	31	31	35	41	37	44	40	36	36	37	27	32	43	28	42	59	60	38	37	37	45	56	41	41	51	45	39	38	38	..	40 8
Irvington	Maximum	56	50	57	65	59	71	72	73	65	48	57	45	45	50	56	65	66	77	70	50	61	73	69	66	59	67	62	55	56	59	..	59 7
	Minimum	49	33	32	37	42	44	45	45	38	31	35	25	36	41	30	50	58	60	38	35	36	39	50	39	38	48	40	37	40	33	45	40 4
Junction City	Maximum	59	50	57	65	59	71	72	73	65	48	57	45	45	50	56	65	66	77	70	50	61	73	69	66	59	67	62	55	56	59	..	59 7
	Minimum	45	35	27	30	37	28	35	33	34	35	30	28	25	42	25	31	59	58	40	35	30	35	48	45	39	45	52	36	34	34	31	36 5
Leitchfield	Maximum	56	50	56	65	60	67	68	74	67	50	56	40	43	52	57	66	65	74	70	57	61	70	66	63	54	68	66	51	61	56	54	60 1
	Minimum	46	33	29	33	41	36	42	40	37	36	34	26	28	35	28	42	58	60	37	31	28	36	54	30	38	45	50	37	33	34	31	38 9
Lexington	Maximum	57	46	51	61	51	67	63	68	55	38	52	36	43	50	53	65	62	74	69	47	59	66	65	62	54	65	57	52	56	58	46	56 4
	Minimum	42	32	27	27	34	28	36	35	40	34	27	27	25	40	24	36	58	57	39	35	26	29	46	38	38	45	50	36	34	34	31	36 5
Louisville	Maximum	57	50	56	65	58	71	65	70	65	47	56	40	45	53	56	67	65	71	71	50	59	68	67	61	55	61	58	46	54	58	..	58 8
	Minimum	46	31	31	35	41	37	44	40	36	36	37	27	32	43	28	42	59	60	38	37	37	45	56	41	41	51	45	39	38	38	..	40 8
Do (Cherokee Park	Maximum	59	50	57	65	59	71	72	73	65	48	57	45	45	50	56	65	66	77	70	50	61	73	69	66	59	67	62	55	56	59	..	59 7
	Minimum	45	35	27	30	37	28	35	33	34	35	30	28	25	42	25	31	59	58	40	35	30	35	48	45	39	45	52	36	34	34	31	36 5
St. John	Maximum	56	50	56	65	60	67	68	74	67	50	56	40	43	52	57	66	65	74	70	57	61	70	66	63	54	68	66	51	61	56	54	60 1
	Minimum	46	33	29	33	41	36	42	40	37	36	34	26	28	35	28	42	58	60	37	31	28	36	54	30	38	45	50	37	33	34	31	38 9
Scott	Maximum	57	46	51	61	51	67	63	68	55	38	52	36	43	50	53	65	62	74	69	47	59	66	65	62	54	65	57	52	56	58	46	56 4
	Minimum	42	32	27	27	34	28	36	35	40	34	27	27	25	40	24	36	58	57	39	35	26	29	46	38	38	45	50	36	34	34	31	36 5
Shelbyville	Maximum	61	60	56	64	59	71	65	66	62	50	55	50	46	54	59	70	66	72	72	56	63	72	68	66	56	68	66	52	58	59	..	62 8
	Minimum	46	35	32	35	41	36	42	40	37	36	34	26	28	40	27	39	59	59	40	38	33	44	59	44	40	50	54	36	33	38	36	40 1
Taylorsville	Maximum	57	50	56	65	59	71	72	73	65	48	57	45	45	50	56	65	66	77	70	50	61	73	69	66	59	67	62	55	56	59	..	59 7
	Minimum	45	35	27	30	37	28	35	33	34	35	30	28	25	42	25	31	59	58	40	35	30	35	48	45	39	45	52	36	34	34	31	36 5
Williamstown	Maximum	57	47	54	62	59	70	63	61	56	40	48	45	44	49	51	58	63	74	72	51	57	71	72	65	52	69	63	52	55	57	..	58 0
	Minimum	40	30	28	32	35	30	39	32	36	32	31	23	26	39	24	34	34	36	37	31	32	36	37	31	32	29	33	32	31	33	28	34 3
Eastern Division.																																	
Ages	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ashland	Maximum	65	54	54	64	61	67	65	69	61	56	51	50	41	53	51	54	67	70	76	52	57	70	67	65	62	70	68	57	42	61	..	60 5
	Minimum	50	42	32	35	41	30	43	35	38	37	32	29	26	37	35	31	52	51	51	40	33	39	41	43	39	39	41	41	28	37	..	38 9
Beattyville	Maximum	66	54	57	66	61	73	71	74	64	55	54	51	44	51	58	67	75	77	74	54	62	62	74	60	58	68	65	56	57	58	..	62 8
	Minimum	51	40	29	34	37	27	40	34	34	26	27	29	24	33	32	30	56	54	47	30	29	29	39	51	43	39	45	39	32	37	30	37 3
Berea	Maximum	60	49	54	64	55	69	67	73	..	44	38	34	42	51	56	67	70	77	71	56	61	71	68	..	65	69	64	55	53	56	..	*60 5
	Minimum	43	35	29	32	39	32	50	39	..	34	32	28	27	43	39	39	59	62	40	36	32	45	56	..	41	48	52	38	34	42	..	*39 8
Jackson	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	Maximum	64	48	54	61	54	65	60	60	54	41	52	45	43	51	46	60	63	75	66	53	60	68	65	62	51	66	61	58	46	56	..	58 5
	Minimum	46	35	32	35	39	34	41	36	41	26	31	26	28	42	30	33	58	55	43	36	32	39	52	39	32	42	54	40	26	36	..	40 6
Middlesboro	Maximum	57	54	56	62	58	66	74	71	63	59	52	47	40	49	58	66	71	75	72	52	62	66	68	71	60	61	58	56	54	54	..	58 6
	Minimum	47	37	30	37	34	28	37	38	33	30	31	25	27	33	35	37	54	53	38	36	30	39	51	38	38	38	38	28	30	34	36	36 5
Mount Sterling	Maximum	64	49	54	61	55	68	65	68	60	48	56	44	41	51	50	61	63	76	68	55	57	68	66	62	52	66	64	55	49	56	..	57 2
	Minimum	43	35	31	34	40	35	39	37	39	36	33	29	29	40	29	30	59	56	37	35	31	35	48	40	35	42	46	36	33	35	..	40 8
Richmond	Maximum	62	52	54	61	60	70	69	73	64	56	50	52	40	51	56	66	65	76	73	55	64	74	75	73	61	70	67	57	54	59	55	61 4
	Minimum	42	35	31	34	40	35	48	40	45	35	32	29	29	40	29	30	59	56	39	35	31	35	48	40	35	42	46	36	33	35	36	40 3
Williamsburg	Maximum	61	52	59	73	66	69	74	75	67	60	56	55	47	54	62	69	75	79	74	53	62	69	75	73	55	64	74	55	53	61	60	63 6
	Minimum	47	41	36	39	51	41	41	39	51	36	34	29	30	35	28	51	56	58	46	39	36	39	50	46	39	46	50	45	36	38	35	40 3

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * are indefinite respectively 1, 2, 3, etc., days missing from record.

UNIVERSITY OF ILLINOIS LIBRARY
MAR 8 1922

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., ANNUAL, 1921. No. 13

GENERAL SUMMARY.

The average temperature for the year 1921 was the highest on record for the State, exceeding by nearly two degrees the highest previously recorded. The temperature averaged above normal for every month except October, the excess being especially large for the months of January, February, March, June, July, and September. Precipitation for the year averaged near normal, but there was a marked deficiency during the period May 15th-August 2d, associated with high temperature and damaging drought. All early crops were seriously injured, especially potatoes and oats which were a failure in many districts; while the growth of tobacco was so retarded that the crop matured unusually late and with reduced yield. The special features of the year's weather were the periods of abnormally high temperature in late winter; the disastrous freezes late in March and during April that destroyed most of the fruit; the wet weather of April and early May that delayed planting and hindered germination; the summer drought; the wet September that interfered seriously with saving the crops, and the excessive rainfall in November that caused floods and damage to corn in the field. The unseasonably warm weather in the period, January-March, averaging 7.0° above normal for the three months, caused such premature growth and tender condition of vegetation that the freezes in March and April wrought unusual damage for the time of year. Persistent wet weather in April and the first half of May hindered all spring work, particularly the planting of potatoes and sowing of oats, the delay in this work being an important factor in causing the partial failure of these crops. Poor germination of corn resulted in much replanting. A period of high temperature and local rainfall set in about May 15th, continuing until about August. Soil moisture was soon depleted by the intense heat, and drought became apparent locally in June; spreading to all districts during July, with heavy damage to oats and early potatoes and serious injury to early corn and tobacco. Yields of wheat and hay were reduced, but the favorable harvest weather contributed to the fine quality of these crops. Early tobacco grew unevenly, while the late planting remained quite small and made no growth of consequence until the rains began early in August. Late corn withstood the drought well, and the August rains came in time to mature a good crop. Although September was remarkably warm, cloudiness and wet soil delayed the maturing of late crops. Corn and tobacco were harvested under difficulties, and not without some loss from unfavorable weather. Late potatoes did not complete their growth before frost, otherwise crops were safe when killing temperatures occurred. Winter grains were generally sown during the second and third weeks of October, when moist soil and abnormally high temperature caused quick germination and rapid growth. Favorable weather for gathering corn prevailed during the first half of November, but excessive rains later in the month prevented most outdoor work. Dry, mild weather during the first three weeks of December made possible the completion of corn gathering. The long periods of unseasonably warm weather in the fall and early winter caused considerable expansion of fruit buds, which passed into winter in poor condition to resist low temperatures. Growth of grass continued about three weeks longer than usual, furnishing good pasturage through November.

THE WEATHER BY MONTHS.

JANUARY.—Unseasonably warm and spring-like weather prevailed, causing winter grains to begin growing and trees to show signs of budding. There was some snow protection during the two short periods of moderately cold weather. Precipitation was much less than normal, occurring in light to moderate showers, and was mostly absorbed by the soil, which was quite dry on account of shortage of moisture in previous months.

FEBRUARY.—Abnormally warm weather prevailed from the 3d to 17th. Wheat and grass made considerable growth, blossoms appeared on maple trees, and fruit buds showed marked indications of development. Growth was checked by a cold spell, attended by heavy snow, in the period 18-20th. Precipitation was near normal, and beneficial because of the relative dryness of the soil.

MARCH.—The average temperature was the highest on record for March in this State. Unseasonably warm weather prevailed until the 27th, followed on the 28th by a sharp cold wave and severe freeze which killed most of the fruit in blossom and injured apples, cherries, and grapes. All vegetation was unusually advanced for the season. Precipitation was heavy in the agricultural districts, interfering with spring work.

APRIL.—The temperature averaged above normal; but several severe freezes and killing frosts occurred during the first three weeks, practically completing the destruction of fruit and causing some injury to wheat. Precipitation averaged near normal, but the frequency of showers kept the soil wet and interfered seriously with sowing oats and planting potatoes. Preparation of soil and other farm work was delayed from two to three weeks. Germination of seeds was poor, and there was much replanting.

MAY.—Cold, cloudy, showery weather continued during the first half of the month, preventing much progress with plowing

(Continued on next page.)

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature. Mean	*Departure	Highest	Lowest	Precipitation. Average	*Departure
1889	55.6	−0.7	101	3	35.97	− 9.16
1890	57.1	+0.8	103	4	58.82	+13.69
1891	56.3	0.0	105	0	49.69	+ 4.56
1892	55.3	−1.0	101	− 6	44.25	− 0.88
1893	55.5	−0.8	101	−22	44.71	− 0.42
1894	57.1	+0.8	105	−12	34.81	−10.32
1895	55.0	−1.3	104	−18	38.47	− 6.66
1896	57.6	+1.3	106	−12	44.68	− 0.45
1897	57.2	+0.9	107	−16	46.72	+ 1.59
1898	57.2	+0.9	103	12	52.38	+ 7.25
1899	56.4	+0.1	105	−33	46.38	+ 1.25
1900	57.7	+1.4	104	− 9	44.30	− 0.75
1901	55.3	−1.0	112	−23	35.65	− 9.48
1902	56.5	+0.2	107	− 3	44.35	− 0.78
1903	55.8	−0.5	104	−16	41.16	− 3.97
1904	55.3	−1.0	100	9	35.10	−10.03
1905	57.8	+0.5	106	−16	47.68	+ 2.55
1906	57.0	+0.7	100	−12	48.07	+ 3.74
1907	56.1	−0.2	102	−11	47.76	+ 2.63
1908	57.7	+1.4	104	2	41.94	− 3.19
1909	56.5	+0.2	104	−14	51.36	+ 6.23
1910	55.3	−1.0	100	−20	50.67	+ 5.54
1911	58.0	+1.7	103	−16	46.77	+ 1.64
1912	54.6	−1.7	100	−20	47.93	+ 2.80
1913	57.9	+1.6	109	− 2	47.46	+ 2.33
1914	56.3	0.0	100	−16	41.80	− 3.33
1915	56.2	−0.1	102	0	51.92	+ 6.79
1916	56.2	−0.1	102	−11	45.49	+ 0.36
1917	53.5	−2.8	100	21	45.01	− 0.12
1918	56.5	+0.2	111	20	40.64	− 4.49
1919	57.9	+1.6	104	1	52.13	+ 7.00
1920	55.5	−0.8	100	− 6	46.90	+ 1.77
1921	60.1	+3.8	106	11	49.42	+ 4.29

*Compared with 30 years' normal.

Climatological Data for the Year 1921.

Stations	Counties	Elevation, feet.	Temperature (degrees Fahrenheit). Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Precipitation (inches). Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	Number of days. With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	Prevailing direction of wind.
WESTERN DIVISION																				
Beaver Dam	Ohio	441	18	61.4	102	July 18	12	Feb. 25	18	48.74	8.35	Nov.	1.92	July	12.0	100	248	50	67	sw.
Brandville	Ballard	445	40	61.0	98	July 14†	18	Jan. 27†	43	51.55	13.07	Nov.	0.76	Oct.	16.0	104	128	122	115	sw.
Calhoun	McLean	437	18	61.4	103	July 14	15	Feb. 25	31	45.04	8.59	Mar.	0.78	June	17.7	104	224	32	109	s.
Earlington	Hopkins	420	31	60.9	104	July 14	15	Feb. 25	31	45.04	8.46	Nov.	1.42	July	.....	106	v148	v125	v 70	s.
Greenville	Muhlenburg	519	5	60.2	101	July 14†	12	Feb. 22†	5	50.51										
									13	53.66	9.62	Nov.	2.39	Oct.	9.0	99				
Henderson	Henderson	327							25	54.30	9.38	Nov.	1.30	Oct.	15.9	111	b137	b67	b159	sw.
Hopkinsville	Christian	524	25	62.0	106	July 3	16	Feb. 25	23	41.65	6.47	Nov.	1.32	June	7.4	66	128	147	90	sw.
Marion	Crittenden	571	23	61.3	101	July 14	19	Jan. 27†	10	51.42	8.20	Nov.	1.42	May	.....	103	c204	c106	c52	sw.
Mayfield	Graves	364	10	62.2	102	July 14	18	Jan. 15	25	47.43	8.19	Nov.	1.56	May	10.0	118	173	85	107	se.
Owensboro	Daviess	479	25	60.2	100	July 3†	11	Feb. 25												
									33	49.64	9.88	Nov.	0.34	July	11.0	93				
Paducah	McCracken	340							14	45.88	8.22	Nov.	1.76	Oct.	13.0	123	130	146	89	s.
Princeton	Caldwell	529	11	61.0	100	July 3	17	Feb. 22												
CENTRAL DIVISION																				
Anchorage	Jefferson	700	21	58.4	103	July 5	12	Jan. 27	21	49.22	9.18	Nov.	0.87	July	14.9	99	a202	a61	a101	sw.
Bardstown	Nelson	657	25	60.1	102	July 31	15	Feb. 24	25	52.41	8.54	Nov.	0.84	July	14.5	108	192	39	134	s.
Bowling Green	Warren	500	31	62.6	102	July 31	18	Feb. 25	32	54.85	10.07	Nov.	1.37	Dec.	15.0	97	187	80	98	s.
Brownsville	Edmonson	410							4	54.12	10.24	Nov.	1.53	July	21.0	135				
Burnside	Pulaski	773							29	45.61	6.46	Sept.	1.51	Oct.	7.5	127				
									22	50.50	7.11	Nov.	2.00	Jan.	.....	132				
Carrollton	Carroll	492							8	47.19	7.71	Nov.	1.78	Oct.	10.1	129				
Cloverport	Breckenridge	375							27	47.01	9.53	Sept.	1.60	Oct.	17.9	93	80	118	167	s.
Eubank	Pulaski	1,177	27	59.2	97	July 7	12	Feb. 25	32	46.63	9.29	Nov.	0.82	July	14.5	119	191	36	138	s.
Frankfort	Franklin	500	28	59.8	98	July 5	15	Jan. 28	26	49.28	8.04	Nov	1.44	May	13.0	106	135	143	87	s.
Franklin	Simpson	691	26	62.7	100	July 4†	18	Feb. 25												
									33	51.22	7.65	Mar.	1.63	May	17.1	152	142	87	136	se.
Greensburg	Green	581	29	58.6	97	July 5†	14	Jan. 15†	19	56.02	8.69	Nov.	3.06	May	17.0	125				
High Bridge	Jessamine	762							24	45.13	8.46	Nov.	0.82	July	9.0	87	191	52	122	sw.
Irvington	Breckinridge	646	24	60.3	100	July 18	19	Jan. 17	28	55.61	7.22	Mar.	2.78	May	18.2	151	140	106	119	s.
Junction City	Boyle	985	28	58.8	98	July 5	12	Feb. 21	26	55.32	10.05	Nov.	1.53	June	12.5	97	156	129	80	sw.
Litchfield	Grayson	635	26	59.6	98	July 31	15	Feb. 25												
									34	43.07	6.89	Nov.	1.04	July	19.0	144	127	93	145	sw.
Lexington	Fayette	989	34	58.4	96	July 6	16	Jan. 17	49	49.08	8.32	Nov.	1.04	July	12.9	118	137	107	121	s.
Louisville	Jefferson	525	49	60.1	98	July 4	18	Jan. 17	12	49.59	9.13	Nov.	1.31	July	8.7	122	166	101	98	s.
Louisville (Cherokee Park)	Jefferson	534	12	58.9	94	July 4†	17	Jan. 17	12	49.59	9.76	Nov.	1.02	July	18.0	114	217	46	102	
St. John	Hardin	777	25	59.8	101	July 31	16	Feb. 21†	25	51.77	7.70	Nov.	2.03	Jan.	9.1	122	102	142	121	s.
Scott	Kenton	900	24	57.4	98	July 5	14	Jan. 17†	24	51.09										
									33	55.85	9.12	Mar.	1.06	July	11.2	113	b156	b101	b106	s.
Shelbyville	Shelby	825	32	58.1	101	July 5	13	Jan. 27	19	50.97	7.07	Nov.	2.21	June	14.2	126	171	61	133	sw.
Taylorsville	Spencer	489	19	58.5	98	July 5	11	Feb. 21	19	51.69	7.87	Nov.	2.23	Oct.	11.0	138	153	102	110	w.
Williamstown	Grant	943	19	.....	98	July 5	.....	.....	4	43.09	9.16	Nov.	1.12	May	12.2	119	.....	.....	.....	
Woodburn	Butler	523	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
EASTERN DIVISION																				
Ashland	Boyd	531	.....	59.9	98	Aug. 6	17	Jan. 13	5	50.63	8.17	Nov.	2.09	Oct.	6.1	120	138	68	159	sw.
Beattyville	Lee	650	17	59.6	101	July 7	16	Jan. 16†	19	48.03	6.67	Aug.	2.54	Oct.	15.7	131	115	100	150	w.
Catlettsburg	Harrison	684	.....	.....	.....	.....	.....	.....	4	45.35	7.55	Nov.	0.40	Oct.	13.0	80	.....	.....	.....	
Cynthiana	Pendleton	600	.....	.....	.....	.....	.....	.....	33	48.43	7.63	Nov.	1.48	Oct.	8.5	116	.....	.....	.....	s.
Falmouth	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
									15	50.30	8.30	Aug.	2.24	Jan.‡	.....	121	.....	.....	.....	
Louisa	Lawrence	584	.....	.....	.....	.....	.....	.....	16	50.58	7.86	Nov.	1.75	Oct.	11.5	118	145	94	126	w.
Maysville	Mason	524	24	58.8	100	July 5	18	Jan. 13†	24	50.66	6.84	Nov.	1.19	May	6.0	129	194	137	34	
Middlesboro	Bell	1,128	24	59.6	97	July 9	21	Feb. 24	32	53.98	8.60	Nov.	2.36	July	15.0	127	182	77	106	w.
Mount Sterling	Montgomery	959	32	58.3	97	July 5†	15	Jan. 16												
									2	50.86	6.40	Sept	2.74	Feb.	11.0	110	.....	.....	.....	
Olive	Greenup	540	.....	.....	.....	.....	.....	.....	16	48.31	8.22	Sept.	1.62	Oct	18.0	108	.....	.....	.....	
Pikeville	Pike	634	.....	.....	.....	.....	.....	.....	29	45.34	6.92	Mar.	2.16	July	12.0	114	188	64	113	
Richmond	Morrison	926	27	60.8	98	July 4†	18	Feb. 18	5	56.03	7.71	Nov.	2.17	Oct.	17.5	110	.....	.....	.....	
Vanceburg	Lewis	525	.....	.....	.....	.....	.....	.....	26	47.39	6.63	Sept.	1.16	Oct.	10.8	.....	b121	b146	b96	se.
Wurtland	Whitley	969	24	61.0	97	July 5	19	Jan. 11												

All temperature data are taken from self-registering thermometers.
Reference letters, a, b, c, appearing in the Table indicate number of days missing; for example, b represents 2 days, etc.
†Also on other dates

and corn planting. Corn produced an uneven stand, causing much replanting later in the month. Gardens were exceptionally backward. Unseasonably high temperature, with conditions favorable for outdoor work and rapid growth of vegetation, prevailed during the last two weeks. Wheat developed very rapidly and unusually early, with indications of premature ripening in the dry districts. Early potatoes matured too quickly, with light yields; and oats and strawberries were injured by the abnormal heat and quick drying of the soil.

JUNE.—The month was unusually warm, the average being exceeded only in June, 1890 and 1914. Corn advanced rapidly, overcoming much of the delay due to late planting. Wheat continued to ripen prematurely, with many unfilled heads. Harvest arrived earlier than usual, followed quickly by thrashing because of the dry weather. Precipitation was much less than normal, and entirely local in character. The result was that drought conditions became established in large districts b the end of the month. Moisture was insufficient for tran planting tobacco, which caused the crop to be curtailed. Earl potatoes were badly damaged, being practically a failure i many places.

JULY.—The average temperature was only slightly below t record mean of July, 1901, which is the highest for the past years. Precipitation was light and local, drought becomi worse and more extended. By the end of the month prac cally all parts of the State were affected, resulting in serio damage to all early crops. The oats crop was a failure in ma districts, while early corn, young clover, and gardens suffer marked injury. Tobacco made but little growth, especially t last setting. Planting of early potatoes was delayed because dry, hot soil.

AUGUST.—The drought was broken in the northern and ea

Monthly and Annual Precipitation for the Year 1921, with Departures from the Normal.

Stations	January.		February.		March		April		May		June.		July		August		September		October		November		December		Annual	
	Precipitation.	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.
WESTERN DIVISION.																										
Beaver Dam	2.60	−1.86	3.75	+0.37	6.75	+2.84	4.15	+0.04	2.70	−1.08	1.93	−1.50	1.92	−2.47	4.19	+0.85	6.43	+3.91	2.12	+0.08	8.95	+5.49	2.85	−1.18	48.71	+6.17
Brandville	3.00	−1.63	4.45	−0.08	6.44	+1.81	4.82	+0.29	1.98	−2.26	2.78	−1.58	2.36	−1.53	5.11	+1.97	3.99	+0.84	0.70	−2.36	13.07	+9.16	2.85	−1.08	51.36	+3.15
Calhoun	3.87	−1.22	3.84	+0.41	7.49	+3.52	4.95	+0.47	2.84	−0.77	3.82	+0.19	2.05	−2.54	6.15	+2.79	8.45	+5.85	1.70	−1.58	8.61	+4.99	3.85	−0.28	57.06	+11.77
Carrington	3.05	−1.43	3.93	+0.33	8.59	+3.71	4.08	−0.29	1.84	−2.87	0.78	−2.65	0.94	−3.16	4.13	+0.98	4.86	−2.17	2.01	−0.56	7.38	+3.64	3.46	−0.30	46.64	−0.49
Centerville	3.28	.....	3.53	.....	7.00	.....	3.72	.....	2.78	.....	2.78	.....	1.42	.....	7.70	.....	5.49	.....	1.07	.....	8.46	.....	2.98	.....	46.63	.....
Henderson	3.18	−0.55	4.19	+1.44	5.26	+0.48	3.95	+0.52	2.54	−1.32	3.92	−0.31	2.74	−1.02	4.53	+2.23	5.37	+2.82	2.39	−0.71	9.62	+5.88	5.97	+1.96	56.56	+11.43
Hopkinsville	3.61	−1.52	3.77	−0.12	8.21	+3.37	4.12	−0.23	1.94	−2.29	3.50	−0.78	3.92	−0.11	6.38	+3.30	4.99	−1.56	1.30	−1.37	9.58	+5.23	3.21	−1.50	54.95	+8.45
Madisonville	2.65	−2.15	4.73	+1.36	6.32	+1.58	3.71	−0.87	2.77	−1.52	1.32	−2.33	2.50	−1.43	3.26	+0.47	3.09	−0.05	1.89	−0.65	6.47	+3.72	2.91	−1.28	41.63	−4.84
Mayfield	3.32	−0.65	4.31	+0.48	7.51	+3.45	5.04	+0.90	1.42	−2.93	3.08	+0.48	3.00	−1.65	5.14	+1.96	7.76	+4.87	0.90	−1.65	8.26	+4.60	1.86	−2.56	51.42	+6.64
Owensboro	2.37	−2.14	3.13	−0.12	6.94	+2.16	4.32	+0.22	1.56	−2.28	3.18	−0.39	2.60	−1.25	5.20	+1.61	4.15	−1.33	1.61	−1.49	8.19	+4.74	4.18	+0.32	47.33	−2.71
Paducah (Lone Oak)	.....	.....	.....	.....	.....	.....	.....	.....	1.74	.....	3.25	.....	2.34	.....	4.55	.....	6.26	.....	1.36	.....	11.85	.....	3.19	.....	.....	.....
Paducah	3.04	−1.59	4.32	+0.71	6.46	+2.07	4.92	+0.59	1.95	−1.86	4.40	−0.12	0.34	−3.64	4.00	+0.72	5.55	+2.61	1.11	−1.57	9.88	+6.68	3.67	−0.09	49.64	−3.94
Princeton	3.42	−0.73	3.94	−0.58	5.46	+0.25	4.89	+0.89	1.83	−3.30	2.50	−1.22	2.37	−1.25	3.80	+0.28	4.94	+2.16	1.76	−0.94	8.22	+4.16	2.75	−1.69	45.88	−1.43
Russellville	.....	.....	2.05	−1.69	6.33	+1.04	3.25	−1.78	1.42	−3.10	0.95	−2.19	2.21	−2.80	3.66	+1.13	4.77	+1.69	2.70	+0.48	.....	.....	3.43	−0.21	.....	.....
CENTRAL DIVISION.																										
Adolphus	2.55	−2.30	3.22	−1.28	5.36	−0.81	3.27	−2.00	2.59	−1.29	0.69	−4.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bowling Green	2.62	−1.46	3.02	+0.18	7.21	+2.97	4.07	−0.07	2.71	−1.18	1.90	−1.73	0.87	−3.55	6.31	+2.42	3.88	+1.32	1.55	−1.10	9.18	+6.23	5.40	−1.42	49.22	+5.62
Brandenburg	3.56	−1.27	3.44	−0.47	6.76	+2.07	3.92	+0.05	2.30	−1.23	2.13	−2.21	0.34	−4.14	7.15	+3.54	5.38	+2.48	4.25	−1.85	8.51	+5.16	4.64	+0.28	52.41	+6.11
Bowling Green	2.86	−1.78	3.01	−1.66	7.92	+3.00	5.59	+1.33	1.95	−2.30	2.47	−1.40	2.61	−1.85	4.68	+1.16	9.22	+6.09	3.10	0.73	10.07	6.16	1.37	−2.95	54.85	+6.83
Brownsville	4.81	.....	5.20	.....	7.29	.....	5.10	.....	1.56	.....	1.82	.....	1.53	.....	4.70	.....	6.40	.....	2.56	.....	10.24	.....	3.11	.....	54.12	.....
Dunnside	3.43	−1.12	3.11	−1.15	3.75	−1.51	3.83	−0.37	2.32	−1.78	2.63	−1.75	4.71	−0.22	4.92	+0.76	6.46	+2.92	1.51	−1.52	5.41	+2.20	3.53	−0.76	45.61	−4.27
Camp Knox	3.07	.....	3.53	.....	5.93	.....	2.19	.....	2.81	.....	2.61	.....	.....	.....	3.58	.....	5.08	.....	1.57	.....	.....	.....	4.57	.....	.....	.....
Hendellon	2.00	−1.64	2.23	−0.65	3.30	+1.97	3.19	−2.01	3.23	−0.81	3.62	+0.02	2.38	−1.02	6.40	+3.58	3.05	−0.22	3.44	+0.79	7.11	+4.18	6.55	+3.55	50.70	+12.21
Devorport	2.90	.....	1.83	.....	6.25	.....	4.20	.....	2.05	.....	3.11	.....	2.74	.....	3.97	.....	4.85	.....	1.78	.....	7.71	.....	5.82	.....	47.19	.....
Hanover	2.49	−1.48	3.20	−0.89	3.22	−2.03	3.64	−0.41	2.93	1.02	1.90	−2.18	2.16	−2.47	5.66	+1.71	9.63	+7.01	1.60	−0.54	6.23	+3.20	4.46	+1.03	47.01	+1.53
Frankfort	2.81	−1.32	2.26	−1.30	5.45	+0.73	3.62	−0.11	2.44	−1.37	2.32	−1.88	0.82	−3.29	6.39	+2.71	2.99	−0.13	2.96	+0.49	9.23	+5.88	5.28	+1.09	46.66	+2.28
Franklin	3.19	−0.41	1.01	−0.88	5.47	+0.72	4.14	−0.47	1.44	−2.61	2.69	1.88	3.32	−0.79	6.58	+3.28	6.57	+3.51	1.88	−0.22	8.04	+4.51	5.27	+1.78	49.28	+2.73
Glasgow	.....	.....	.....	.....	4.55	.....	4.30	.....	.....	.....	3.80	.....	1.16	.....	2.98	.....	4.59	.....	1.20	.....	8.32	.....	2.69	.....	.....	.....
Greensburg	4.05	0.46	3.13	−0.89	7.65	+2.62	3.68	−0.17	1.63	−2.66	4.10	−0.35	2.44	−2.15	4.87	+0.97	4.46	−1.46	4.73	+1.97	7.57	+4.16	2.91	−1.25	51.22	+3.19
Hagh Bridge	3.31	0.93	3.34	0.12	5.64	+1.43	4.22	+0.53	3.06	0.79	4.18	+0.26	3.28	−1.04	5.43	1.56	5.51	+2.54	4.64	+1.66	8.69	+5.52	4.72	+0.32	56.02	+10.94
Lexington	2.55	−1.87	2.61	−0.72	6.96	+2.36	3.56	−0.46	1.55	−1.86	2.81	−1.18	0.82	−2.73	4.65	−0.43	5.09	−2.10	1.61	1.14	8.46	+5.25	5.68	+1.18	45.13	+3.56
Hamilton City	3.82	−0.60	3.61	−0.02	7.22	−2.11	4.01	−0.30	2.78	−0.97	4.43	+0.61	3.40	−0.90	4.04	−0.45	6.97	−3.95	4.06	−2.07	7.12	+3.88	4.25	+0.02	55.61	+0.94
Hartsfield	3.26	−1.26	3.02	−0.76	6.45	+1.60	4.78	−0.70	2.16	−1.84	1.53	−2.46	4.42	+0.28	6.86	+3.19	4.77	−1.13	3.73	+1.20	10.15	+6.12	4.29	−0.23	75.52	+7.74
Lexington	3.24	−0.59	2.62	−0.61	5.06	+0.34	3.28	−0.06	1.60	−1.92	2.16	−1.83	1.04	−3.40	3.88	−0.31	5.10	−2.68	2.46	0.24	6.84	+3.41	5.74	+2.42	43.07	.....
LOUISVILLE	2.20	−1.70	2.65	−1.10	6.65	+2.33	4.58	+0.51	2.82	0.82	3.76	−0.47	1.04	−2.70	5.40	−1.86	4.29	−1.66	1.88	−0.75	8.52	+4.14	5.49	+1.76	49.68	+4.75
Do (Cherokee Park)	2.57	2.21	2.63	−0.33	7.07	+3.23	4.77	+0.49	1.85	−2.05	3.02	−0.54	1.31	−4.31	5.39	−1.24	4.56	−1.86	1.74	−1.68	9.13	+6.70	5.55	+1.58	49.59	−2.23
Madison	3.29	−1.28	3.36	−0.68	6.79	+1.86	4.89	+1.02	2.89	1.09	2.36	−1.64	1.02	−2.53	5.56	1.53	4.85	+1.71	2.55	+0.04	9.76	+6.28	4.55	+0.13	51.77	+5.04
Mount	2.03	−2.06	2.21	−0.54	6.51	+2.57	3.84	−0.66	2.50	−1.56	3.56	−0.12	5.58	+2.24	4.98	1.44	3.45	−0.96	2.92	+0.58	7.75	+4.90	5.85	+2.60	51.09	+11.11
Shelbyville	2.73	1.53	3.34	−0.46	9.12	+4.41	4.42	+0.70	2.46	1.66	2.51	−1.95	1.06	−3.04	7.63	+4.27	4.31	−1.46	4.66	+2.18	7.35	1.14	6.32	+2.23	55.85	+10.75
Taylorsville	2.89	−1.80	3.06	−0.71	6.11	+1.77	4.05	−0.42	3.12	−0.46	2.21	2.05	3.32	−0.95	5.18	+1.31	4.46	+1.23	3.28	0.32	7.07	+3.74	6.21	+1.81	56.07	+8.79
Williamstown	2.31	−1.56	3.20	+0.23	6.15	+1.90	3.99	−0.89	2.27	−1.28	4.40	+0.56	3.68	0.00	5.29	1.11	3.72	−0.76	2.23	0.65	7.87	+3.54	6.57	+3.06	51.19	+10.25
Woodbury	4.49	.....	3.71	.....	6.10	.....	3.50	.....	1.12	.....	1.34	.....	1.70	.....	3.76	.....	3.71	.....	1.94	.....	9.16	.....	2.56	.....	43.69	.....
EASTERN DIVISION.																										
Ages	2.81	.....	3.47	.....	3.56	.....	3.56	.....	2.33	.....	5.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ashland	2.57	.....	2.32	.....	3.39	.....	4.26	.....	4.55	.....	3.97	.....	2.80	.....	7.05	.....	4.66	.....	2.03	.....	8.17	.....	4.86	.....	50.63	.....
Beattyville	3.34	−1.32	3.22	−0.88	4.00	−1.34	4.16	0.08	3.52	0.63	3.31	−1.40	3.36	−1.67	6.67	2.04	5.12	−2.07	2.24	−0.81	4.71	−1.77	4.05	−0.28	48.63	−2.52
Bee	2.67	−1.80	3.13	0.00	5.15	+0.39	3.68	−0.01	1.84	2.22	1.58	−2.97	3.64	−0.95	.....	.....	6.63	+3.37	1.46	−1.68	6.72	+3.62	3.64	+0.73	.....	.....
Cynthiana	2.50	.....	2.30	.....	3.55	.....	3.50	.....	1.75	.....	2.55	.....	0.85	.....	6.80	.....	7.35	.....	0.40	.....	7.55	.....	6.25	.....	45.35	.....
Falmouth	2.48	−1.22	2.32	−1.04	6.59	+2.50	4.11	−0.64	1.67	2.00	5.35	−1.18	3.04	−0.71	4.29	0.67	4.76	+2.30	1.48	−0.96	7.63	+4.46	4.80	+1.45	48.43	+7.27
Farmers	.....	.....	2.73	0.27	3.93	−0.58	3.43	−0.57	2.51	−1.55	2.11	−2.43	1.50	−3.89	4.76	−0.19	4.55	+1.61	2.06	−1.24	7.55	+4.72	6.36	+2.61	.....	.....
Jackson	2.08	1.68	2.43	−0.87	3.10	−1.53	2.81	−0.74	2.31	−1.41	2.20	−1.80	5.20	−1.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Loudon	4.08	.....	2.91	.....	2.75	.....	3.92	.....	2.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Morehead	2.24	−1.36	2.24	−1.44	2.82	−1.30	3.92	+0.70	5.85	+1.63	2.97	−2.07	3.74	+0.38	8.30	+4.47	4.20	−1.63	3.41	+0.53	5.61	+2.86	5.00	+1.84	50.36	+7.87
Nicholasville	3.08	−1.08	2.65	−0.68	5.44	+0.80	4.13	−0.70	3.13	0.92	1.93	−2.40	3.37	−1.17	3.89	−0.09	6.59	+3.96	1.75	−0.77	7.86	+5.02	6.76	+3.06	50.58	+6.37
Paddleboro	4.52	−0.16	4.17	0.75	3.32	−2.16	4.76	0.03	1.19	3.02	1.93	−2.61	6.84	+3.11	6.64	−3.11	4.20	+1.45	2.70	−0.40	5.93	+2.46	3.93	−0.24	50.66	−6.30
Mount Sterling	2.68	−2.04	3.55	−0.44	6.22	+0.81	4.01	+0.09	2.99	1.30	2.42	−2.71	2.36	−2.70	5.44	1.47	6.64	+3.76	2.44	−0.53	8.60	+5.36	6.63	+2.89	53.58	+4.10
Olive	3.19	.....	2.74	.....	3.84	.....	2.98	.....	3.46	.....	4.67	.....	3.47	.....	5.56	.....	6.40	.....	2.96	.....	6.16	.....	4.46	.....	50.86	.....
Pikeville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.27	.....	5.16	.....	.....	.....
Sharpsville	3.00	−1.04	3.40	+0.12	2.59	−1.96	4.12	−0.51	5.26	1.11	3.32	−1.17	5.18	−1.19	4.88	+0.74	8.22	+5.25	1.62	1.40	3.78	1.11	2.94	−0.93	48.31	−4.53
Smithmond	2.82	−1.25	2.73	−0.71	6.92	+2.53	3.23	−1.40	2.26	−1.32	3.51	−0.43	2.16	−3.71	4.92	1.72	5.16	−2.26	2.96	0.15	5.34	−2.47	4.41	+0.46	45.34	+2.77
Stanesburg	3.66	.....	3.08	.....	4.55	.....	3.12	.....	4.98	.....	3.52	.....	5.73	.....	5.79	.....	6.00	.....	2.17	.....	7.71	.....	5.72	.....	56.63	.....
Williamsburg	4.31	+0.28	3.32	−0.17	3.30	−1.62	5.05	+0.65	1.62	2.46	3.58	−0.97	5.36	0.51	1.14	−0.48	6.63	+3.27	1.16	1.39	6.09	+3.16	2.93	−0.76	47.39	−1.60

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. T. Precipitation is less than 0.01 inch rain or melted snow.

ern counties during the first week, and generally over the State during the second week. Late crops were greatly benefited and grew rapidly after the rains. Tobacco was so small that it could not make a full crop, but late corn received the rains in time to make a good yield. Fall plowing began during the last week with the soil in excellent condition.

SEPTEMBER.—The average temperature was the highest on record for this month. The weather was favorable for growth, but in general not conducive to ripening of crops. Showers delayed cutting of corn and tobacco, and caused some damage to corn in shock and tobacco in barns. The lack of sunshine was unfavorable for the growth of late potatoes. Fall plowing made only fair progress, the soil being frequently too wet.

OCTOBER.—The first half of the month was unseasonably cool and the last half abnormally warm. Cloudiness and humid atmosphere caused further damage to corn in shock and to tobacco in barns during the first week, but crops in the field were generally harvested without loss. Killing frost on the 13th caused little damage except to late potatoes, which were still decidedly immature. Wheat was sown under excellent conditions, germinated quickly, and showed satisfactory stands.

NOVEMBER.—The first half was comparatively dry and cold, while the last half was abnormally wet and warm. Precipitation averaged heavier than in any other November of record, most of it occurring in two periods after the middle of the month. Much corn was gathered during the first two weeks, but this work was nearly suspended after the rains began. Floods in headwater streams caused damage to bridges, roads, and crops on lowlands, the losses being heaviest in the western counties. The rainy period was remarkable for the frequent heavy thunderstorms.

DECEMBER. The weather was mild and generally favorable for outdoor work. Winter grains continued to grow slowly during the first three weeks, but growth was checked by more seasonable temperature in the last decade. Corn gathering proceeded rapidly until stopped by heavy rains late in the month.

Monthly and Annual Mean Temperatures for the Year 1921, with Departures from the Normal.

Stations	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure
WESTERN DIVISION.																										
Beaver Dam	40 7	+ 6.1	42 5	+ 7.3	58.0	+ 11.3	59.4	+ 4.0	67.6	+ 1.7	79.9	+ 6.3	82.8	+ 5.2	77.4	+ 1.2	77.6	+ 7.0	58.4	+ 1.0	50.9	+ 4.6	42.2	+ 6.6	61.4	+ 5.1
Bowlingville	41 6	+ 7.6	42.9	+ 6.1	57.6	+ 10.3	58.3	+ 0.9	67.9	+ 1.3	78.2	+ 3.2	81.8	+ 3.6	76.4	+ 0.4	76.0	+ 5.1	57.6	− 1.0	51.1	+ 3.8	42.6	+ 5.5	61.0	+ 3.8
Brownsville	41 6	+ 7.6	42.9	+ 6.1	57.6	+ 10.3	58.3	+ 0.9	67.9	+ 1.3	78.2	+ 3.2	81.8	+ 3.6	76.4	+ 0.4	76.0	+ 5.1	57.6	− 1.0	51.1	+ 3.8	42.6	+ 5.5	61.0	+ 3.8
Cadiz	39 4	+ 3.1	41 1	− 3.8	*58.2	+ 8.9	60.3	+ 2.3	68.6	+ 1.2	79.7	+ 4.7	83.7	+ 5.9	77.2	− 0.3	76.8	+ 4.6	58.4	− 0.9	50 4	+ 2.0	42.8	+ 5.4	61.4	+ 3.4
Cannon	39 4	+ 3.1	41 1	− 3.8	*58.2	+ 8.9	60.3	+ 2.3	68.6	+ 1.2	79.7	+ 4.7	83.7	+ 5.9	77.2	− 0.3	76.8	+ 4.6	58.4	− 0.9	49 4	+ 1.5	42.2	+ 4.1	60.9	+ 3.3
Carrollton	40 6	+ 5.3	41.8	+ 5.5	57.4	+ 10.1	59.1	+ 1.8	67.1	− 0.1	80.0	+ 4.3	83.2	+ 4.8	76.6	− 0.5	76.2	+ 5.1	57.4	− 1.9	49 4	+ 1.5	41.7	.....	60.9	.....
Covington	39.8	.....	41.1	.....	*56.8	.....	*58 4	.....	66.0	.....	*74.8	.....	*81.7	.....	*76.5	.....	*75.9	.....	*56.8	.....	*49.8	.....	41.7	.....	60.2	.....
Greenville	39.8	.....	41.1	.....	*56.8	.....	*58 4	.....	66.0	.....	*74.8	.....	*81.7	.....	*76.5	.....	*75.9	.....	*56.8	.....	*49.8	.....	*43.6	+ 5.8	62.0	+ 3.8

NIKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVII. LOUISVILLE, KY., JANUARY, 1922. No. 1

GENERAL SUMMARY.

Although the temperature for the month averaged near normal, it was especially variable even for midwinter, with well-marked departures in either direction. There were five short periods when mean temperatures were above normal, and a like number when they fell below. In the period 23d-25th, temperatures ranging from one to ten degrees above zero were registered in the central and eastern counties, and temperatures nearly as low in the same districts on the 2d and 14th. Minimum temperatures were somewhat higher in the western counties. The periods of high temperature were too brief to affect fruit buds, and it is believed that the low temperatures were not severe enough to cause injury of importance. The damage to winter grains by the frequent freezes and thaws was probably less than usual because the plants were splendidly rooted and the soil was better drained than is ordinarily the case at this time of the year. The condition of these crops was good to excellent at the close of the month. There was no snow cover of consequence. The ice storm of the 20th and the cold weather that followed until the 26th were severe on stock in the open and interfered with feeding; but during the rest of the month the weather was favorable for the care of animals outdoors.

The deficiency in moisture did not especially hinder the handling or delivery of tobacco, as most of it had been stripped or packed in bulk during the humid weather of the previous month. Dirt roads were very muddy at the beginning of the month, and the freezing and thawing kept them in bad condition. Some softening of highways resulted from the same cause, but in general their condition improved on account of the light precipitation.

TEMPERATURE.

The average temperature for the State, 40 stations reporting, was 34.6°, which is 0.6° below normal. In the periods, 3d-4th, 8-9th, 17-18th, and 30th-31st, mean daily temperatures ranged from 10° to 22° above normal; while in the periods 1st-2d, 12-13th, and 23d-25th, the departure below normal was practically the same. Minimum temperatures ranging from 8° to 15° were recorded at most stations on the 2d, 14th, and in the period 23d-26th Maximum temperatures were generally low, reaching 60° on only three days. Extremes for the month were 67° at St. John on the 4th, and 1° at Middlesboro on the 14th.

PRECIPITATION.

The average precipitation, based on the reports of 54 stations, was 2.25 inches, which is 2.14 inches below normal. In general its distribution over the State was the reverse of that during the preceding month, amounts in the northern and extreme western counties ranging from 0.5 to 2.0 inches, and in the south-central and southeastern districts from 3.0 to 5.5 inches. In most of the agricultural district only one-fourth to one-half of the normal amount occurred. Light to moderate showers, unusually variable and local in character for a winter month, occurred in the periods 4-5th, 8-13th, and 17th-21st; and a few heavy local rainfalls on the 11th. Sleet was reported from most northern counties on the 20th and 21st. Snowfall was light, ranging from a trace in the northern and eastern districts to 3.5 inches in the southwestern counties. Amounts of precipitation at the various stations ranged between 7.1 inches at Henderson, and 5.48 inches at Junction City.

MISCELLANEOUS

Rivers.—The Ohio River was above flood stage at Cloverport and Evansville at the beginning of the month, but receded rapidly to moderate stages during the first decade. The lower courses of the Green, Cumberland, and Tennessee also fell rapidly during the same period.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Max Velocity.* Miles per hour.	Direction.	Date
Cairo ..... Ill.	30.21	30.66	24	29.46	10	7468	10.0	42	n.	11
Cincinnati ..... Ohio	30.23	30.74	24	29.47	11	6537	8.8	30	nw.	11
Evansville ..... Ind.	30.23	30.71	24	29.52	10	9158	12.3	40	n.	11
Lexington ..... Ky.	30.22	30.72	24	29.39	11	10886	14.6	42	sw.	18
Louisville ..... Ky.	30.24	30.76	24	29.46	11	9433	12.7	50	w.	4

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	80	68	68	162.4	308.4	53	12	11
Cincinnati ..... Ohio.	82	69	69	164.8	303.4	54	12	9
Evansville ..... Ind.	84	65	68	144.9	305.9	47	7	9
Lexington ..... Ky.	84	72	.....	138.3	305.9	45	10	12
Louisville ..... Ky.	76	62	67	153.9	305.9	50	10	12

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature.				Precipitation.		
	Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Monthly average.	Departure from 30-year normal.	No. of days with .01 or more rain.
1889	38.0	+2.8	65	13	3.52	−0.87	
1890	44.0	+8.8	77	10	6.43	+2.04	
1891	37.0	+1.8	68	14	5.40	+1.01	
1892	29.0	−6.2	65	− 6	2.72	−1.67	
1893	26.0	−9.2	67	−22	2.08	−2.31	
1894	38.0	+2.8	78	−12	2.91	−1.48	
1895	30.0	−5.2	78	−16	5.71	+1.32	11
1896	36.1	+0.9	74	− 3	1.25	−3.14	6
1897	32.0	−3.2	75	−16	3.25	−1.14	8
1898	40.4	+5.2	72	6	8.76	+4.37	12
1899	31.4	−0.8	68	−18	6.23	+1.84	11
1900	37.2	+2.0	77	− 8	2.80	−1.59	5
1901	36.7	+1.5	75	4	1.85	−2.54	7
1902	33.7	−1.5	70	5	5.14	+0.75	7
1903	34.8	−0.4	82	− 9	2.50	−1.89	9
1904	32.3	−2.9	70	− 9	3.17	−1.22	10
1905	27.5	−7.7	70	−15	2.83	−1.56	11
1906	39.7	+4.5	80	− 9	3.48	−0.91	8
1907	43.2	+8.0	83	−11	8.02	+3.63	14
1908	35.0	−0.2	62	7	2.20	−2.19	8
1909	38.3	+3.1	77	− 8	3.47	−0.92	9
1910	33.8	−1.4	70	−20	4.41	+0.02	10
1911	39.7	+4.5	73	−16	2.88	−1.51	11
1912	25.9	−9.3	61	−20	3.09	−1.30	8
1913	42.5	+7.3	76	13	11.41	+7.02	14
1914	39.4	+4.2	79	5	2.31	−2.08	6
1915	33.0	−2.2	65	6	5.03	+0.64	13
1916	41.2	+6.0	78	− 5	5.27	+2.88	14
1917	36.7	+1.5	74	−17	6.38	+1.99	12
1918	20.6	−14.6	62	−29	5.09	+0.70	14
1919	37.9	+2.7	68	− 1	3.62	−0.77	7
1920	33.4	−1.8	72	− 6	6.75	+2.36	10
1921	39.7	+4.5	71	12	3.06	−1.33	10
1922	34.6	−0.6	67	1	2.25	−2.14	8

Climatological Data for January, 1922.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Western Division																				
																				Frank Hicks.
Algoa	Clinton	811	26																	C. E. Barret.
Anchorage	Jefferson	700	20	32.2 − 0.8	63	4	4	14	43	1.49 −2.59	0.42	1.5	8	17	5	9	nw			Chas. M. Talbott.
Bardstown	Nelson	637	24	34.1 − 1.8	61	4	12	24†	35	1.77 −3.06	0.65	0.5	7	13	5	13	n.			Mrs. Lillie G. Causey.
Bowling Green	Warren	500	30	37.2 + 0.6	64	4	15	2†	35	2.22 −2.42	1.40	0.2	5	15	10	6	w.			James H. Young.
Brownsville	Edmonson	410	3							3.21	1.35	2.5	11							
										3.68 −0.87	1.23	T.	8							F. E. Bradshaw.
Burnside	Pulaski	773	28																	Signal Corps, U. S. A.
Camp Knox	Hardin	736	0							1.99 −1.65	0.46		10							Charlie Oliver.
Carrollton Lock No.1	Carroll	492	21							1.30	0.31	0.9	8							W. A. Cockerill.
Cloverport	Breckenridge	375	7							3.70 −0.27	1.45	1.0	6	6	8	17	nw.			Mrs. Katie Payne.
Eubanks	Pulaski	1177	26	36.5 + 1.6	65	4	12	2	34	1.74 −2.39	0.53	1.0	10	13	2	16	n.			Mrs. Amelia Wood
Frankfort	Franklin	560	27	31.8 − 1.4	64	4†	12	24†	33											
																				Volney Jameson.
Franklin	Simpson	691	25	37.5 − 0.1	64	5	16	25	34	3.05 −1.41	0.85	2.5	10	8	14	9	s.			Dr. Fidelia Edwards.
Glasgow	Barren	788	0	*37.6	64b	4	13b	2	33b	1.37	0.65	1.0	6	16b	8b	5b	w.			Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	28	34.8 + 0.1	65	4	10	2	39	4.06 −0.45	1.32	1.0	14	11	4	16	n.			Miss Lulu Wood.
High Bridge	Jessamine	762	18							2.62 −1.77	0.90	T.	11							W. J. Piggott.
Irvington	Breckenridge	646	23	33.9 − 2.3	62	4	12	21†	31	1.82 −2.60	0.41	0.2	10	13	4	14	se.			
																				Prof. E. L. Grubbs.
Junction City	Boyle	985	27	34.5 − 0.1	63	4†	9	14	37	5.48 +1.06	1.48	2.3	14	2	22	7	ne.			John E. Stone.
Leitchfield	Grayson	635	25	34.4 − 0.7	62	4	13	24†	32	2.82 −1.70	1.03	1.0	7	11	10	10	ne.			U. S. Weather Bureau.
Lexington	Fayette	989	33	32.6 − 0.4	59	4	10	25	30	1.87 −1.96	0.70	2.2	11	11	6	14	ne.			U. S. Weather Bureau.
Louisville	Jefferson	525	48	33.4 − 0.9	63	4	12	24	31	1.59 −2.31	0.52	1.5	9	13	7	11	ne.			Wm. I. Hunt.
Do. Cherokee Park.	Do.	534	11	32.8 − 1.8	62	4†	10	24†	32	1.72 −3.06	0.38	0.6	8	16	5	10	n.			
																				Sisters of Loretto
St. Joes	Hardin	777	24	34.2 + 0.1	67	4	11	24	34	1.72 −2.85	0.75	1.0	6	20	4	7				E. B. Wilson.
Scott*	Kenton	600	22	30.3 − 2.8	61	4	7	25	32	2.36 −1.73	0.60	1.3	8	9	10	12	w.			Mrs. W. T. Miller.
Shelbyville	Shelby	825	31	*33.0 − 0.3	61	4	9*	14†	35*			1.2	6	16	5	10	n.			E. D. Bourne.
Taylorsville	Spencer	489	18	34.0 − 0.2	65	4†	9	14	36	1.66 −2.80	0.50	1.0	9	13	5	13	ne.			Mrs. E. S. Hamlong.
Williamstown	Grant	943	18	31.3 − 1.1	63	4†	6	25	36	2.02 −1.61	0.52	1.6	8	15	3	13	w.			J. C. Stinson.
Woodbury	Butler	533	3							2.64	1.29	0.8	11							
Eastern Division																				
																				Forester Farley.
Ages	Harlan	1250	0							2.01	0.56	T.	8	12	4	15	w.			Mrs. Sabina E. Hall.
Ashland	Boyd	534	3	36.0	65	5	10	25	29	3.23 −1.51	0.90	0.7	11	10	5	16	n.			F. C. Thompson.
Beattyville	Lee	690	16	35.8 + 1.8	65	31	8	2	45	3.82 −0.93	2.20	T.	6	13	7	11	nw.			P. H. Kehoe.
Berea	Madison	1070	18	32.4 − 4.0	61	4†	6	2	35	1.25	0.50	T.	6							J. V. Oldham.
Cynthiana	Harrison	684	3							1.90 −1.86	0.45	T.	9	11	6	14	ne.			Mrs. Edna Tinsley.
Falmouth	Pendleton	600	32							1.23 3.19	0.54	T.	5	11	10	10	ne.			Jacob E. Lang.
Farmers	Rowan	668	13																	T. D. Snyder.
Jackson	Breathitt	776	9							2.84 0.87	0.70		10							
Louisa	Lawrence	584	15																	Harry M. Robinson.
Maysville	Mason	524	23	32.8 − 0.3	62	4†	10	24*	36	2.33 −1.33	0.50	0.5	8	17	0	14	w.			B. H. Perkins.
Millersburg	Bell	1128	23	38.5 + 0.7	61	5	1	14	39	3.37 −1.31	1.00	T.	7	17	11	3				W. R. McKee.
Mount Sterling	Montgomery	960	31	32.9 − 0.7	62	4	10	2*	35	2.00 −2.72	0.68	2.2	10	14	7	10	w.			Chas. Folsom.
Olive	Greenup	540	1							1.86	0.52	1.4	9							Andrew M. Stanforth.
Owenton	Campbell	443	0							2.43	0.65	T.	7							I. W. Williams
Pikeville	Pike	684	15							2.12 −1.92	0.58	T.	7							J. W. Crooke.
Richmond	Madison	926	26	35.9 + 1.6	62	31	12	25	33	2.71 −1.86	0.80	1.2	10	15	4	12				Samuel Johnson.
Stanford	Lincoln									1.21	0.44	T.	4							Mrs. Ruth Inman.
Vanceburg	Lewis	525	4																	
Williamsburg	Whitley	949	23	30.0 + 0.4	61	4	11	2	37	3.51 −0.52	0.89	T	11	6	6	19	n.			
State averages and extremes				34.6	67	4	1	14	45	2.25	2.20	1.1	8	12	7	12	n.			

All temperature data are taken from self-registering thermometers.
Departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, *, †, °, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. ** Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow
¶ Post-office address, Covington, Ky. *Temperature data by Evening Sun.

Errata. November, 1921, Scott, mean minimum temperature should be 37.0°, and mean monthly temperature should be 46.6°. Average temperature for the State [illegible] and departure from normal −3.7°.

Daily Precipitation for January, 1922.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam	G				15	15			.40		.05	.85		.10			.20				.12											
Blandville	M			T.	.30				.14		.79		.05				.17	.05		.11						.20						
Calhoun	G	T.		.06	.38	.05			.30			.32		.03			T	.11	.08	T.	T						T					
Carlington	G			T.	1.63				1.45		.21	.69	T.	.05			.06	.04		.04	.03					T.	.04					
Greenville	G				.16	.10			.25		.05	1.21		.05				.11									.03					
Henderson	O				.12	.03				.05		.25	T.	T.				.22	.04		T											
Hopkinsville	C	T.		T.	.16	.08			.18	.01	.29	1.24		.08			.02	.03	.01	T.						T.	.14					
Marion	O			T.	.31				.25				.14	T.				T.		T.	T.					.17						
Mayfield	M				.15				.15		.40	.04		.05			.10									.30						
Owensboro	O			.06	.08	.21			.28				T.	T.			.04	.10	.02	T.												
Paducah (Lone Oak)	O	T.			1.10						.74															.25						
Paducah	O				.10	.62			T.	.16		.60		.06				.26	.16		.10											
Princeton	G			T.	.10				.32	.01	.03	.87	T.	.10			.09	.04	.01	.02	T.					.02	.20					
Russellville	G				.03	.25			.10	.01		1.25		.11				.04	.12		.02							.13				
Central Division.																																
Alpha	C																															
Anchorage	O	T.		T.	.42	.06			.33					.15			T.	.23	.14	.12	.04												
Bardstown	S			.02		.58			.43			.65		.04				.03		.02												
Bowling Green	G				.03	.52			T.	.25		1.40	.02	T.			T.		T.													
Brownsville	G	T.	T.		.30	.52			.23	.15		1.35		.13	.10			.11	.22	.05	.05											
Burnside	C				.30	.90			.17	T.		1.23	.02	T.	T.			T.	.60	.02	.44	T.										
Camp Knox	O																															
Carrollton (Lock No. 1)	O		T.		.30	.32				.20		.22		.02	.03			.16	.46		.26	.02										
Cloverport	O	T.			.16	.27			.27	.05		.31		T.	T.			.09	.08	T.	.07											
Eubank	C					1.30			.30			1.45		.10				.05	.50													
Frankfort	K		T.		.05	.53			.20	.15		.56	T.	.03	.02			.05	.11		.10	T.										
Franklin	G			.05	.15	.54					.85	.70		.15				.15	.24		.12						.10					
Glasgow	G		.10	.25						.15				.10					.65		.12											
Greensburg	G	T.	.10	.37	.63	.03			.34	.02	.09	1.32	.05	.03	T.			T.	.78	.05	.20					.05						
High Bridge	K			.22	.73				.13	.22		.90	.02	.02	.04				.12	.04	.18											
Irvington	O	T.	.06	.15	.41				.32			.38		.04				.24	.10	.06	.06											
Junction City	K	.02	.01	.27	.81				.46	.11	.43	1.48	.60	.20	T.		T.	.01	.62		.15	.01										
Leitchfield	G		.18	.64					.62		T.	1.03		.10				.08		T.	.17											
Lexington ***	K	.01	.09	.70					.19		.20	.28	T.	.11			T.	.18	.01	.01	.09											
Louisville***	O	T.	.02	.51					.34		.03	.08		.11			.13	.16	T.	.21	T.											
Do (Cherokee Park)	O	T.	T.	.13	.38				.36			.12		.08				.18	.27		.20											
St. John	S			.10	.30				.40			.75		.15						T.	.02	T.										
Scott	L	T.	T.	.60	.39				.12			.27		.03				.14	.51	T.	.30			T.								
Shelbyville	S																															
Taylorsville	S		.01	.04	.50				.25			.48		.10				.05	.06	T.	.17											
Williamstown	L			.17	.52				.36			.23		.03				.10	.42	T.	.19											
Woodbury	G	T.	T.	.18	.60				.11	.17		1.29		.05	.03			.11	.04		.10	.01										
Eastern Division.																																
Ages	K																															
Ashland	O			.13	.43					.21	T.	.56	.14	T.	T.				.23	.01	.30						T.					
Beattyville	K	T.	T.	.21	.48				.44	.04		.60	.05	.02	.24			.02	.48		.35											
Berea	K	T.		2.20	.50				.30		.10	.70						.02														
Cynthiana	L		T.	T.	.50				T.	.10		.15	T.	.25				.05	.20													
Falmouth	L	T.			.23	.45			.01	.23		.25	T.	.02	T.			.06	.40		.25											
Farmers	L	T.	T.		.18					.20		.54	T.	T.					.17	T.	.14											
Jackson	K																															
Louisa	B			.26	.29				.04	.51		.67	.06		.01				.70	.03	.27										
Maysville	O			.25	.50					.30		.43	T.	T.	.20			.12	.18	T.	.35											
Middlesboro	C			.42	.50					.06		1.00	T.	T.	T.			.12	.90		.37		T.									
Mount Sterling	L	T.	.06	.12	.68				.28			.50		.09				.07	.14	.04	.02											
Oliver	O			.21	.32				T.	.26		.52	.08	.01	.05			T.	.27		.14						T.					
Oneonta	O			.65	.46					.12		.28						.15	.53		.24											
Pikeville	B			.12	.28				.32			.52	.12	T.					.58		.18						T.	T.				
Richmond	K		T.	.19	.70				.32	.02		.80	T.	.10				.02	.39	.05	.12											
Vanceburg	O									.26	T.	.41	T.	.10				.44									T.					
Williamsburg	C		T.	.58	.55				.09			.89	.05	T.	.03		T.	.03	.81	.06	.41	.01										

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Precipitation for 24 hours ending at 3 p. m.

Daily Temperatures for January, 1922.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	39	34	49	61	53	40	51	49	49	49	46	35	31	51	50	44	44	52	54	33	33	38	36	37	36	39	46	45	48	49	59	44.5
	Minimum	22	16	33	49	29	25	26	39	26	30	33	18	21	16	33	20	20	39	26	23	29	31	30	34	27	14	15	13	22	29	19	20	21	25	25.0
Blandville	Maximum	36	38	54	64	51	38	51	53	45	45	45	31	30	52	50	38	43	52	52	30	30	34	31	28	35	37	42	40	47	53	56	43.2
	Minimum	22	21	37	51	21	21	26	38	36	35	31	19	23	22	32	20	27	38	22	21	26	22	16	15	15	27	27	18	27	29	35	26.5
Calvert	Maximum	39	36	49	64	54	35	50	49	49	49	46	35	31	50	50	40	44	51	53	31	32	34	31	28	35	37	42	40	47	53	56	42.5
	Minimum	24	19	34	49	31	22	33	37	28	31	35	20	25	19	31	21	22	39	27	24	29	23	19	15	14	23	21	18	22	28	26	24.9
Farlington	Maximum	35	35	53	64	54	35	50	49	47	48	45	32	31	47	50	38	43	51	50	30	30	35	28	27	34	36	41	41	47	56	57	42.6
	Minimum	21	15	35	51	28	23	25	35	29	33	30	18	22	23	27	20	19	41	24	22	27	21	18	15	12	23	21	18	23	29	25	24.8
Greenville	Maximum	40	35	48	64	52	34	47	50	50	47	47	36	28	50	48	42	45	51	48	30	30	34	34	29	33	35	41	41	47	55	57	42.4
	Minimum	22	14	32	47	27	21	25	37	32	29	33	21	23	17	32	20	21	37	25	21	27	19	18	14	12	23	25	17	23	29	25	*26.4
Hopkinsville	Maximum	32	34	52	59	51	35	47	46	46	47	46	34	31	58	52	49	48	53	47	31	31	35	30	26	29	26	20	20	18	14	27	24	19	27	28	27	43.3
	Minimum	23	17	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Marion	Maximum	37	36	50	65	52	36	52	53	51	50	44	32	29	53	50	41	41	52	52	32	34	28	26	34	39	44	42	46	53	58	25.7	
	Minimum	23	17	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Mayfield	Maximum	37	36	50	65	52	36	52	53	51	50	44	32	29	53	50	41	41	52	52	32	34	28	26	34	39	44	42	46	53	58	25.7	
	Minimum	23	17	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Owensboro	Maximum	40	46	53	66	53	53	53	52	46	46	46	34	33	19	23	19	32	21	33	37	26	22	27	27	20	18	17	15	27	27	25	23	26	30	34	27	26.8	
	Minimum	21	20	34	51	22	23	26	41	36	34	33	19	23	19	32	21	33	37	26	22	27	23	17	16	15	27	26	16	26	30	34	27.0						
Paducah (Lone Oak)	Maximum	43	38	56	66	57	39	54	54	51	47	43	35	28	50	40	40	44	50	48	30	31	29	27	26	26	26	24	22	25	23	26	30	58	44.9				
	Minimum	23	20	33	53	27	22	27	37	37	35	32	20	25	22	32	21	25	38	25	22	32	21	25	38	37	38	27	26	36	40	41	44	46	50	58	44.9		
Paducah	Maximum	35	34	53	62	50	41	55	58	48	50	45	36	28	50	40	40	44	50	48	30	31	29	27	26	26	26	24	22	25	23	26	30	58	44.9				
	Minimum	25	24	38	52	31	23	28	40	36	37	36	20	21	21	32	24	26	38	26	26	23	20	18	17	16	28	29	22	29	31	36	28.2						
Princeton	Maximum	41	35	52	60	54	36	52	50	48	48	46	35	29	53	48	43	46	52	52	32	34	28	26	34	39	35	33	41	45	47	55	56	43.5					
	Minimum	23	16	32	49	28	21	24	38	32	33	31	18	25	14	30	21	23	38	26	23	27	20	18	15	13	25	20	19	25	25	27	25.4						
Russellville§§	Maximum	30	44	59	63	39	41	50	46	50	51	1	32	32	52	50	43	52	56	45	32	32	33	32	28	49	43	45	47	59	58	44.4							
	Minimum	23	16	22	43	29	25	27	29	41	34	5	18	19	15	25	22	22	30	44	24	26	22	23	18	14	15	27	21	25	28	27	25.5						
Central Division																																	
Anchorage	Maximum	38	37	48	63	52	40	46	46	48	44	41	30	30	47	47	40	44	52	45	31	31	36	22	22	32	37	46	47	44	56	62	41.9
	Minimum	19	11	35	48	29	24	24	33	24	30	29	16	17	4	29	18	20	36	24	21	28	22	14	9	10	17	16	23	18	28	23	22.5
Bardstown	Maximum	38	38	50	64	58	36	45	45	50	52	43	30	32	47	48	38	45	51	55	32	34	35	30	25	35	40	46	46	45	58	60	43.6
	Minimum	19	13	33	50	31	26	27	38	36	32	30	18	20	14	32	21	25	38	28	24	29	25	18	12	12	18	21	23	20	27	25	24.6
Bowling Green	Maximum	43	45	56	64	53	43	54	46	52	52	48	38	34	51	50	45	52	54	55	35	34	40	36	31	40	46	47	40	51	60	63	46.6
	Minimum	25	15	28	31	32	27	27	39	38	35	34	29	25	19	36	34	24	44	31	26	31	24	24	18	15	22	23	24	23	29	28	27.7
Camp Knox	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eubank	Maximum	40	39	49	65	49	36	39	45	59	52	50	49	48	46	49	43	44	52	55	55	54	55	31	31	31	39	47	43	44	57	59	46.9
	Minimum	20	12	29	35	35	26	28	34	31	32	31	18	22	18	37	23	32	41	38	26	33	36	34	26	32	38	44	46	46	54	56	43.7
Frankfort	Maximum	40	36	47	64	64	36	45	46	47	52	50	35	31	45	46	41	46	51	55	34	33	36	34	26	32	38	44	46	46	54	56	43.7
	Minimum	22	15	32	46	31	27	28	32	29	30	33	19	24	15	38	22	20	38	33	25	31	25	17	12	12	18	24	28	22	28	25	25.8
Franklin	Maximum	44	36	49	63	64	40	52	49	52	52	47	37	34	51	52	46	57	57	56	35	35	37	37	33	37	42	48	42	48	60	62	46.6
	Minimum	24	17	32	46	30	26	28	39	41	37	35	18	26	18	36	24	25	45	30	24	30	24	25	19	16	24	31	24	25	36	30	28.4
Glasgow	Maximum	38	40	50	64	63	40	52	45	53	54	45	33	33	50	52	40	58	54	57	59	48	37	36	37	37	40	..	..	..	48	60	62	*47.8
	Minimum	22	13	35	46	30	25	28	35	40	36	31	18	25	18	36	23	25	46	30	30	28	23	17	18	14	20	..	..	..	20	31	33	*27.4
Greensburg	Maximum	41	38	49	65	63	39	50	45	53	53	48	37	33	50	50	42	49	53	55	36	34	34	34	29	36	41	46	39	48	58	58	45.4
	Minimum	21	16	30	44	29	24	25	34	28	29	32	17	23	11	38	21	19	39	33	24	29	21	19	13	12	18	27	17	16	24	21	24.1
Irvington	Maximum	33	37	49	62	53	36	46	49	44	47	42	32	31	46	47	36	46	55	56	31	32	35	28	25	32	37	42	44	43	53	53	42.0
	Minimum	21	17	37	49	28	25	26	36	30	38	32	17	14	17	33	26	22	37	25	23	29	28	16	12	12	20	23	24	24	29	30	25.8
Junction City	Maximum	39	38	51	63	62	38	49	46	52	52	52	34	32	46	51	39	45	54	55	32	33	34	31	25	35	38	46	45	44	46	59	44.7
	Minimum	21	16	29	47	30	27	24	30	27	33	32	18	20	9	37	22	18	37	35	25	30	22	20	13	12	15	21	23	18	25	24	24.3
Lebanon	Maximum	38	40	50	64	63	40	52	45	53	54	45	33	33	50	52	40	58	54	57	59	48	37	36	37	37	40	..	..	..	48	58	58	45.4
	Minimum	22	13	35	46	30	25	28	35	40	36	31	18	25	18	36	23	25	46	30	30	28	23	17	18	14	20	..	..	..	20	31	33	*27.4
Lebanon Jct.	Maximum	41	38	49	65	63	39	50	45	53	53	48	37	33	50	50	42	49	53	55	36	34	34	34	29	36	41	46	39	48	58	58	45.4
	Minimum	21	16	30	44	29	24	25	34	28	29	32	17	23	11	38	21	19	39	33	24	29	21	19	13	12	18	27	17	16	24	21	24.1
Louisville	Maximum	33	37	49	62	53	36	46	49	44	47	42	32	31	46	47	36	46	55	56	31	32	35	28	25	32	37	42	44	43	53	53	42.0
	Minimum	21	16	30	44	29	24	25	34	28	29	32	17	23	11	38	21	19	39	33	24	29	21	19	13	12	18	27	17	16	24	21	24.1
Shelbyville	Maximum	41	38	49	65	63	39	50	45	53	53	48	37	33	50	50	42	49	53	55	36	34	34	34	29	36	41	46	39	48	58	58	45.4
	Minimum	21	16	30	44	29	24	25	34	28	29	32	17	23	11	38	21	19	39	33	24	29	21	19	13	12	18	27	17	16	24	21	24.1
Springfield	Maximum	41	38	49	65	63	39	50	45	53	53	48	37	33	50	50	42	49	53	55	36	34	34	34	29	36	41	46	39	48	58	58	45.4
	Minimum	21	16	30	44	29	24	25	34	28	29	32	17	23	11	38	21	19	39	33	24	29	21	19	13	12	18	27	17	16	24	21	24.1
Taylorsville	Maximum	41	38	49	65	63	39	50	45	53	53	48	37	33	50	50	42	49	53	55	36	34	34	34	29	36	41	46	39	48	58	58	45.4
	Minimum	21	16	30	44	29	24	25	34	28	29	32	17	23	11	38	21	19	39	33	24	29	21	19	13	12	18	27	17	16	24	21	24.1
Versailles	Maximum	41	38	49	65	63	39	50	45	53	53	48	37	33	50	50	42	49	53	55	36	34	34	34	29	36	41	46	39	48	58	58	45.4
	Minimum	21	16	30	44	29	24	25	34	28	29	32	17	23	11	38	21	19	39	33	24	29	21	19	13	12	18	27	17	16	24	21	24.1
Waddy	Maximum	41	38	49	65	63	39	50	45	53	53	48	37	33	50	50	42	49	53	55	36	34	34	34	29	36	41	46	39	48	58	58	45.4
	Minimum	21	16	30	44	29	24	25	34	28	29	32	17	23	11	38	21	19	39	33	24	29	21	19	13	12	18	27	17	16	24	21	24.1
Eastern Division																																	
Ages	Maximum	40	36	48	64	65	38	41	44	50	53	50	35	32	40	49	41	48	57	56	47	36	46	38	26	30	40	46	44	45	53	57	44.6
	Minimum	23	15	31	49	30	26	30	34	36	32	29	32	22	17	17	30	24	38	31	26	25	20	36	22	19	10	15	30	30	38	37	27.4
Ashland	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Beattyville	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Boyd	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Carter	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Catlettsburg	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Cynthiana	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Falmouth	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Flemingsburg	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Frankfort	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Georgetown	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Greenup	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Harrodsburg	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Hazard	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Hillsboro	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Jackson	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Lancaster	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Lawrenceburg	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Lexington	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Maysville	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Middlesboro	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Mount Sterling	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Olympian	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34	34	19	25	17	34	18	30	26	29	26	36	35	41	45	47	55	57	43.3										
Owingsville	Maximum	43	38	52	64	64	40	50	46	51	55	50	35	32	45	52	43	48	56	55	43	39	38	39	36	37	39	49	48	48	56	60	46.6
	Minimum	23	15	31	51	29	23	27	41	34	34

551.05
LINKE

UNIVERSITY OF ILLINOIS LIBRARY
APR 27 1922

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVII. LOUISVILLE, KY., FEBRUARY, 1922. No. 2

GENERAL SUMMARY.

Temperature conditions during the month were similar to those prevailing in January preceding. Short periods of abnormally warm weather alternated with like periods of unseasonable cold, departures of the daily mean temperatures ranging from 18° below to 30° above normal. The spring-like warmth of the mild weather caused such development of fruit buds as to alarm orchardists; but the cold weather, recurring at frequent intervals, prevented blossoming. The most serious effect on fruit was produced by the 6-day period of high temperature from the 18th to 23d. In the southern counties peach buds seemed about ready to open, and plums were nearly as far advanced; the development of these fruits being fully a month ahead of their normal condition. A few days with freezing temperature near the end of the month checked this untimely development. During the second week winter grains and pastures made some growth, and the severe freezes that followed probably caused some injury to wheat. In general, however, wheat was so well rooted and vigorous in condition, except on watersoaked lowlands, that no serious damage resulted from any of the freezing weather. At the end of the month grass and grains resembled their usual appearance from two to three weeks later.

Precipitation averaged near normal; but most of it occurred during the last decade, causing floods in the central counties. Roads improved during the first half of the month, and tobacco was delivered with less difficulty than in January; but the hard freezes near the middle of the month, followed by persistent and heavy rains, put the dirt roads in bad condition and caused much injury to improved highways. The wet weather of the last decade prevented plowing and interfered with early sowing of tobacco plant beds. Snowfall was light over most of the State, but there was a district in the the east-central counties in which grains had some snow protection during the severe freezes of the 16th and 17th.

TEMPERATURE.

The average temperature for the State, 40 stations reporting, was 41.3°, which is 5.7° above normal. Maximum temperatures in the periods, 10-12th and 19th-23d, ranged generally from 60° to 70°; while minimum temperatures were above freezing. In the periods, 7-8th and 13-17th, minimum temperatures ranging from 4° to 20° were registered in all districts. Extremes for the month were 76° at several stations in the western counties on the 21st and 22d, and 4° at places in the east-central counties on the 16th and 17th.

PRECIPITATION.

The average precipitation, based on the reports of 55 stations, was 3.58 inches, which is 0.02 inch below the normal amount. In the counties near the Ohio River monthly amounts ranged from 1.8 to 3.0 inches, being generally below normal. In the central belt from the lower Tennessee River to the lower Big Sandy, they ranged from 3.0 to 5.0 inches; and in the south-central and south-eastern districts, from 5.0 to 6.6 inches. Amounts at the various stations ranged between 1.82 inches at Ashland and 6.59 inches at Williamsburg. Light to moderate showers occurred almost daily from the 1st to 16th; followed by heavy general rains, that caused headwater floods, in the period 18th-21st. Moderate showers also occurred on the 23d, 26th, and 27th. The total snowfall in the east-central and north-eastern counties was 1.0 to 3.0 inches, but only a trace occurred in most other districts. Sleet was reported on the 9th, 14th, and 28th. Thunderstorms occurred generally on the 12th, 19th, 20th, and 22d. Hail was reported from Irvington on the 19th and Fulton on the 20th.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max Velocity * Miles per hour	Direction.	Date.
Cairo ..... Ill.	30.13	30.58	8	29.62	12	8894	12.5	38	sw.	22
Cincinnati ..... Ohio	30.16	30.63	28	29.61	12	6655	9.9	39	sw.	2
Evansville ..... Ind.	30.16	30.60	8	29.60	12	9304	13.8	44	nw.	23
Lexington ..... Ky.	30.16	30.61	8	29.64	5	10745	16.0	48	sw.	2
Louisville ..... Ky.	30.17	30.63	28	29.61	12	9879	14.7	44	w.	23

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	77	67	67	147.1	303.5	48	9	9
Cincinnati ..... Ohio.	80	63	70	124.4	300.9	41	5	9
Evansville ..... Ind.	74	63	68	127.8	302.2	42	8	14
Lexington ..... Ky.	84	68	.....	103.0	305.2	34	2	12
Louisville ..... Ky.	76	62	67	147.5	302.2	49	8	8

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with .01 or more rain.
1889	34.1	− 1.5	74	3	1.91	−1.69	..
1890	45.6	+10.0	86	16	7.98	+4.38	..
1891	42.2	+ 6.6	76	0	4.72	+1.12	..
1892	42.2	+ 6.6	70	11	2.92	−0.68	..
1893	37.7	+ 2.1	70	3	4.40	+0.80	..
1894	34.6	− 1.0	74	2	4.66	+1.06	..
1895	25.9	− 9.7	80	−18	0.66	−2.94	5
1896	37.4	+ 1.8	81	−12	3.06	−0.54	9
1897	39.8	+ 4.2	76	8	5.75	+2.15	11
1898	37.4	+ 1.8	77	− 3	1.61	−1.99	6
1899	26.2	− 9.4	71	−33	3.97	+0.37	11
1900	32.5	− 3.1	76	− 9	4.68	+1.08	12
1901	32.4	− 3.2	71	1	1.27	−2.33	6
1902	27.9	− 7.7	69	− 3	1.30	−2.30	7
1903	37.5	+ 1.9	75	−16	7.28	+3.68	9
1904	35.2	− 0.4	75	− 2	2.32	−1.28	7
1905	27.9	− 7.7	67	−16	2.44	−1.16	9
1906	34.7	− 0.9	75	−12	1.81	−1.79	7
1907	35.7	+ 0.1	73	−10	3.06	−0.54	9
1908	35.6	0.0	70	− 2	5.56	+1.96	13
1909	42.4	+ 6.8	75	− 8	8.17	+4.57	11
1910	32.9	− 2.7	66	−12	4.70	+1.10	10
1911	42.0	+ 6.4	80	11	3.25	−0.35	9
1912	29.7	− 5.9	68	−14	3.08	−0.52	7
1913	34.8	− 0.8	77	− 2	2.94	−0.66	7
1914	32.2	− 3.4	69	− 2	4.14	+0.54	11
1915	41.9	+ 6.3	75	13	1.74	−1.86	8
1916	35.0	− 0.6	72	− 4	2.99	−0.61	9
1917	34.8	− 0.8	80	− 9	3.51	−0.09	8
1918	39.3	+ 3.7	83	− 8	2.04	−1.56	7
1919	38.6	+ 3.0	69	12	1.79	−1.81	9
1920	35.7	+ 0.1	71	0	2.27	−1.33	9
1921	41.3	+ 5.7	77	11	3.20	−0.40	10
1922	41.3	+ 5.7	76	4	3.58	−0.02	10

Climatological Data for February, 1922.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.: Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation in inches: Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	Observers.
Western Division.																				
Beaver Dam	Ohio	441	17	41.6	+ 6.4	72	12	15	16	32	2.75	−0.63	0.80	0	8	12	3	13	se.	Miss Addie B. Taylor
Brandenburg	Meade	445	29	41.4	+ 4.6	73	22	15	7	30	2.86	−1.67	1.27	T.	7	7	8	13	ne.	E. W. Horr.
Calhoun	McLean	437	18	41.8	+ 4.5	74	21[1]	18	16	31	2.84	−0.56	0.79	T.	8	4	10	14	nw.	W. A. Taylor.
Earlington	Hopkins	420	30	41.1	+ 4.8	73	21[1]	15	16	31	3.28	−0.32	1.08	T.	9	13	4	11	s.	Brick Southworth.
Greenville	Muhlenburg	519	4	*40.4	.....	74[3]	21	13[3]	16	32[3]	3.42	.....	1.12	.....	10	8[3]	10[3]	9[3]	s.	C. R. Lovell.
Henderson	Henderson	327	12	.....	.....	.....	.....	.....	.....	.....	1.97	−0.55	0.65	T.	6	.....	.....	.....	.....	W. E. Shelby.
Hopkinsville	Christian	524	24	41.0	+ 4.0	72	21	16	16	28	3.11	0.78	0.84	T.	12	0	6	22	s.	W. E. Graves.
Marion	Crittenden	551	22	41.0	+ 5.3	74	21	14	16	32	3.33	−0.04	1.04	0	4	7	6	15	sw.	B. C. Paris.
Mayfield	Graves	364	10	42.5	+ 5.3	74	22	16	16	29	3.25	−0.58	0.80	0	9	13	6	9	sw.	N. E. Douthit.
Owensboro	Daviess	479	24	39.4	+ 4.7	76	22	18	15	30	2.15	−1.10	0.50	0	10	10	4	14	sw.	Henry S. Berry.
Padiucah	McCracken	516	4	43	.....	76	21	16	8[2]	32	3.02	.....	1.10	6	6	14	1	15	n.	D. T. Hayden.
Padiucah, Lone Oak	McCracken	341	32	41.9	+ 5.9	76	21	17	7[2]	32	3.06	−0.55	0.82	T.	7	.....	.....	.....	.....	Frank L. Brown.
Paducah *	McCracken	329	10	41.5	+ 6.3	74	21*	15	16	30	3.68	−0.84	0.93	T.	9	8	8	12	n.	Dr. W. L. Cash.
Princeton	Caldwell	529	10	41.5	+ 6.3	74	21*	15	16	30	4.10	+0.46	1.21	0	8	7	2	19	n.	E. C. Shelton.
Russellville	Logan	591	8	*40.7	+ 4.1	75[3]	21	15[3]	16	32[3]	4.10	+0.46	1.21	0	8	7	2	19	n.	
Central Division.																				
Anchorage	Jefferson	700	23	38.8	+ 5.8	73	22	12	16	31	3.34	+0.50	0.72	0	8	12	4	12	sw.	C. E. Barret.
Bardstown	Nelson	637	24	41.3	+ 6.8	73	22	13	16	30	3.33	−0.58	0.93	1.0	11	10	1	17	s.	Chas. M. Talbott.
Bowling Green	Warren	590	30	44.0	+ 5.4	74	22	15	8	29	4.25	−0.42	0.95	2.5	9	11	7	10	w.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	3	.....	.....	.....	.....	.....	.....	.....	5.81	.....	1.46	2.0	9	.....	.....	.....	.....	James H. Young.
Burnside	Pulaski	773	28	.....	.....	.....	.....	.....	.....	.....	5.68	+1.59	1.37	T.	10	.....	.....	.....	.....	F. E. Bradshaw.
Camp Knox	Hardin	736	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Signal Corps, U. S. A.
Carrollton Lock No. 1	Carroll	492	21	.....	.....	.....	.....	.....	.....	.....	1.89	−0.99	0.51	.....	11	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	7	.....	.....	.....	.....	.....	.....	.....	2.92	.....	0.74	T	10	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	26	43.1	+ 9.8	71	22*	10	17	37	4.85	+0.76	1.90	1.5	9	4	9	15	nw.	Mrs. Katie Payne.
Frankfort	Franklin	860	27	41.6	+ 5.7	72	22	15	16*	29	3.06	−0.51	0.75	0.7	12	10	2	16	s.	Mrs. Amelia Wood
Franklin	Simpson	691	25	44.4	+ 5.4	75	21	15	16	31	1.61	−0.28	1.38	1.5	12	6	13	9	s.	Volney Jameson.
Glasgow	Barren	788	0	42.2	.....	74	21	13	16	30	4.78	.....	1.93	T.	11	14	2	12	w.	Dr. Fidelia Edwards.
Greensburg	Green	581	28	41.8	+ 6.9	73	21*	9	15	33	5.86	+1.84	2.15	1.0	16	8	4	16	se	Miss Bettie K. H. Alcorn.
Hart Badge	Jessamine	762	18	.....	.....	.....	.....	.....	.....	.....	3.72	+0.83	1.48	3.0	8	.....	.....	.....	.....	Miss Lulu Wood.
Shepherd	Breckenridge	646	23	40.6	+ 6.3	71	21*	14	16	30	3.45	+0.12	0.75	T.	10	9	3	16	sw.	W. J. Piggott.
Taylorsville	Boyle	985	27	41.2	+ 8.1	72	22	4	17	32	4.85	+1.22	1.55	6.8	14	1	16	11	sw.	Prof. E. L. Grubbs.
Tompkinsville	Monroe	635	25	40.8	+ 6.8	71	21*	15	16	30	4.30	+0.52	1.40	0.5	8	8	8	12	ne.	John E. Stone.
Lexington	Fayette	980	33	38.2	+ 2.6	70	22	12	16	33	3.12	−0.11	1.13	2.7	14	3	7	18	sw.	U. S. Weather Bureau.
Louisville	Jefferson	526	18	39.6	+ 3.0	71	22	14	16	25	2.66	−1.09	0.74	T.	10	8	10	10	s.	U. S. Weather Bureau.
Louisville, Ky. Cherokee Park	Do	551	11	40.4	+ 5.2	70	22	14	16	28	3.10	+0.14	0.89	T.	11	10	6	12	s.	Wm. I. Hunt.
St. Joseph	Hardin	777	24	41.4	+ 8.4	71	23	14	17	29	3.63	−0.35	0.90	0.1	11	13	4	11	...	Sisters of Loretto.
Scottsville	Allen	1000	23	37.3	+ 6.6	70	22	9	17	25	2.66	−0.75	0.44	1.0	11	2	9	17	s.	E. B. Wilson.
Shelbyville	Kenton	825	31	41.5	+ 7.7	71	22	14	16[2]	32	1.56	−1.81	0.45	0.6	10	14	3	11	s.	Mrs. W. T. Miller.
Smithfield	Shelby	489	18	39.6	+ 5.2	71	22	14	16	29	3.76	+0.24	0.91	0.4	13	8	6	14	sw	E. D. Bourne.
Taylorsville	Spencer	543	18	38.9	+ 7.0	72	22	9	17	32	2.83	+0.10	0.66	T	13	5	9	14	nw.	Mrs. E. S. Humlong.
Williamstown	Grant	833	3	.....	.....	.....	.....	.....	.....	.....	3.81	.....	1.03	1.0	9	.....	.....	.....	.....	J. C. Stinson.
Wooddale	Butler																			
Eastern Division.																				
Ages	Harlan	1250	0	.....	.....	.....	.....	.....	.....	.....	1.82	.....	0.35	1.0	12	7	4	17	w.	Forester Farley.
Ashland	Boyd	531	3	42.5	.....	74	22	12	17	33	5.50	+1.93	1.44	2.0	14	4	6	18	n.	Mrs. Sabina F. Hall.
Beattyville	Lee	650	16	43.0	+ 8.5	74	22	7	17	34	5.10	+1.99	2.63	2.0	10	15	6	9	n.	F. C. Thompson.
Berea	Madison	1070	18	37.8	+ 1.0	68	22	4	16	33	5.10	+1.99	2.63	2.0	10	15	6	9	n.	P. H. Kehoe.
Cynthiana	Harrison	684	3	.....	.....	.....	.....	.....	.....	.....	1.55	.....	0.75	1.0	7	.....	.....	.....	.....	.....
Falmouth	Pendleton	600	32	.....	.....	.....	.....	.....	.....	.....	2.45	−0.91	0.73	0.5	10	4	11	13	s.	J. V. Oldham.
Farmers	Rowan	668	13	.....	.....	.....	.....	.....	.....	.....	2.57	0.43	0.76	0.2	8	7	9	12	ne.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jacob E. Lang.
Louisa	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	3.33	−0.09	0.73	.....	14	.....	.....	.....	.....	T. D. Snyder.
Maysville	Mason	624	23	40.2	+ 7.2	72	22	12	17	30	3.50	+0.17	0.81	T	8	8	5	15	n.	Harry M. Robinson.
Middlesboro	Bell	1128	23	45.7	+ 6.8	73	21*	15	8	30	6.48	+1.56	1.41	0	13	12	11	5	.....	B. H. Perkins.
Mount Sterling	Montgomery	930	31	39.7	+ 6.4	72	22	4	17	31	3.10	0.89	0.90	2.0	13	10	4	14	w.	W. R. McKee.
Olive	Greenup	540	1	.....	.....	.....	.....	.....	.....	.....	2.21	.....	0.35	1.7	11	.....	.....	.....	.....	Chas. Folsom.
Owensville	Campbell	443	0	.....	.....	.....	.....	.....	.....	.....	2.46	.....	0.75	2.0	7	.....	.....	.....	.....	Andrew M. Stanforth.
Pineville	Bell	634	15	.....	.....	.....	.....	.....	.....	.....	5.36	+2.02	1.16	T	12	.....	.....	.....	.....	I. M. Williams.
Richmond	Madison	926	26	42.4	+ 7.1	72	22	11	16*	28	3.55	+0.11	1.00	3.0	14	12	3	13	.....	J. W. Crooke.
Vanceburg	Lewis	525	4	.....	.....	.....	.....	.....	.....	.....	4.47	.....	1.65	T	8	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	909	23	46.2	+ 8.7	75	11*	17	8*	35	6.76	+3.10	1.33	0.3	13	8	4	16	n.	Mrs. Ruth Inman.
State averages and extremes				41.3		76	21[1]	4	16.	37	3.58	.....	2.63	0.8	10	8	6	14	s.	

All temperature data are taken from self-registering thermometers.
Time of sunrise, from which temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining extremes or divisional means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Approximate data. [1] Received too late to be included in means and summaries. T. Precipitation is less than 0.01 inch rain or melted snow.
† Post-office address, Cynthiana, Ky. *Temperature data by Evening Sun.

Errata. November, 1921, Scott county, mean monthly temperature should be 46.6°. Average temperature for the State should be 42.7° and departure from normal, −3.7°.

MISCELLANEOUS

Feb. 20.—Two barns were destroyed by lightning near Blandville.

Rivers.—Heavy rains in the central and southern counties from the 19th to 21st caused flood stage in the upper Kentucky River, and stages near the flood level in the middle and lower sections. The crest at Beattyville was 35.0 feet on the 21st. Flood stages were also reached in the Green River from the 21st to 25th. Crests in that stream were as follows: 33.0 feet at Brownsville on the 24th; 39.1 feet at Woodbury on the 23d; and 35.6 feet at Rumsey on the 28th. A sharp rise began in the upper Ohio on the 21st, resulting in moderately high water but not reaching flood stage at any station. There was considerable flooding of lowlands, especially in the Green River basin, but no damage was reported.

Daily Precipitation for February, 1922.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam.....G	.30					.50								.05				.30	.25	.80			.40			.15						
Blandville.....M	.46				.39	T												.18	.09	1.27						.21		.26				
Calhoun.....G	.50			T	.60	T		T	.01		T		T					.19	.18	.79			.60			.07						
Earlington.....G	.32	.03		.29	.12	T.												.50	.18	1.08			.51			.25						
Greenville.....G	.18				.37	.01							.03					.28	.37	1.12			.68			.17	.21					
Henderson‡‖.....O		.35			.42	T.													.12	.35	T.		.65				.08					
Hopkinsville.....C	.21	.02		T	.23	T								.02	.12			.35	.36	.84	.06		.51			.30	.69					
Marion.....O	.90			T.														.76		1.04			.63			T						
Mayfield.....M	.40			.22	.20													.20	.10	.60			.60			.13	.80					
Owensboro.....O	.30	.06		.10	.30			T			T							.03	.50	.25			.65			.36	.20					
Paducah (Lone Oak).....O	.85			.39														.31		1.10			.30			.07						
Paducah.....G	T	.44		T	.46	T.													.30	.40	.82		.54				.10					
Princeton.....G	.46		T.	.18	T						T		T					.51	.24	.99			.66		T	.15	.12	.07				
Russellville‖.....G		.21			.10										.45				1.21	.74	.02		.25				.46					
Central Division.																																
Alpha.....C																																
Anchorage.....O	.72	.02				.68												.57	.49	.54			.18			.14						
Bardstown.....S	.40	.06				.38						.01			.23			.47	.98	.25			.17			.30	.05					
Bowling Green‖.....G		.36				.28	.06								.10				.90	.95	.60		.35				.65					
Brownsville‖.....G		.47			.03	.43	T.								.70				1.43	1.46	.37		.40				.52					
Burnside‖.....C		.18			.14	.12	T.		T.			T.	T.		1.14	.16			.90	1.37	.52		.25	T		T	.90					
Camp Knox.....O																																
Carrollton‖ (Lock No. 1).....O	.51				.03	.43	.05		.06				.04						.32	.03	T.		.22	.05			.15						
Cloverport‖.....O	T.	.74			.02	.48	T.	T.				.03	.02						.46	.32	.34		.44	T			.13						
Eubank.....C		.10					.02		.04				.03		.66				.60	1.90	.70						.80						
Frankfort‖.....K		.47			.05	.38	.02		T		T.	.04	.20		.04				.75	.45	.23		.15				.27						
Franklin.....G	.30				.07	.16	T							.09	.43			.22	1.88	.57	.42		.61			.31	.25					
Glasgow.....G	.20				.20							.01		.38	.38			.28	.40	1.93			.20			.60	.20					
Greensburg.....G	.22	.03			.03	.08			.04			.01		.30	.53	T.		.29	1.40	2.15	.02		.28			.32	.15	.01				
High Bridge‖.....K					.03	.15									.37	T.			.77	1.48	.38		.13	T			.47						
Irvington.....O	.55	.07				.04	T		T									.34	.55	.47			.33			.13	.08					
Junction City.....K	.13			T	.08	.09	T.		T	T		.40	T.	.27	.41	.06		.30	.65	1.55	.03			.25		.44	.19					
Leitchfield.....G	.55					.49								.24				.65	1.40	.26			.38			.33						
Lexington ***.....K	.36	.01			.16	.66	.04		.01		T.	.11		.10	.22	T.		3.8	1.10	.20			.07			.30						
LOUISVILLE***.....O	.74				.53	.07	T		.03			.06						.56	.17	.16			.20			.14						
Do. (Cherokee Park).....O	.89	.16		T.	.59	T.			.04			.05						*	.75	.34			.19			.11	.04					
St. John.....S	.68	.10				.50				.01		.03			.09			.10	.90	.83			.29			.10	T					
Scott.....L	.40	.07		T.	.35	.05		.05	T.	T	.04					T		.44	.22				.13	T.		.03	.22					
Shelbyville.....S	.45	.04			.10			T			.02			T.				.25	.30	.45			.20			.10	.08					
Taylorsville.....S	.55	.13			.04	.38	T.		.02			.18			.10			.34	.91	.61			.19			.09	.16					
Williamstown.....L	.58	.11		T	.66	.04		.06	T	.02	.05							.31	.48	.11	T.		.16			.12	.16					
Woodbury.....G		.28			.16	T	.01								.46				1.03	.84	.32		.37				.34					
Eastern Division.																																
Ages.....K																																
Ashland‖.....O		.23			.03	.05	.02	T			.02	.06	.05		.25	T.			.27	.22	.27			T.			.35						
Beattyville‖.....K		.10			.09	.10	.05	T	.02	T.		.37	.20		.39	.17			.64	1.44	.96			T.			.64	.03					
Berea.....K	.22	.09				T						1.05		.12	.05			.22		2.63			.15			.50	.07					
Cynthiana‖.....L		.15			.29		.05	T	T			T.		T		T			.75	.30	.25						.15						
Falmouth‖.....L		.36				.45	.02	T	.04				.02						.73	.13	.10		.10	T.			.30						
Farmers‖.....L		.13		T.	T	T.						.13	.15		.37				.31	.76	.42						.30						
Jackson‖.....K																																
Louisa‖.....B		.24			.05		.04	.02			.05	.05	.08		.73	.07			.37	.68	.44			.09			.42						
Maysville‖.....O		.45		T.	.55	T	T.	T	T	T.		.40	T						.81	.80	.13			.12			.24						
Middlesboro.....C	.18	.13			.29	.04						.30		.34	1.00				1.40	1.41	.20		.17			.65	.37					
Mount Sterling.....L	.20	T			.04	.15	.05				.09	.22		T.	.18			.11	.49	.90			.23			.21	.23					
Oliver‖.....O		.32					.14	T	.05			.07	.34		.20	.02	T		.25	.35	.22						.25						
Oneonta.....O		.64				.50	.10	T	.09	T									.75				.01	T			.31						
Pikeville‖.....B		.08				.12	.18	T.				.18	.34		.86	.22			.28	1.16	1.08			.18			.62	T.					
Richmond.....K	.06					.09	.04		T.	T.		.04	.09	.04	.40				.06	.97	1.60	.12		.12			.10	.42					
Vanceburg‖.....O		.53				.28		.03				T.	.76		1.00	T.				1.66	.20		.07									
Williamsburg‖.....C	T	.08			.19	.05	.16	T		T			.23	T	1.27	.15			1.07	1.33	.95			.17		T.	.92	.02					

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking: (K) Kentucky: (S) Salt: (G) Green: (C) Cumberland (T) Tennessee: (O) Ohio: (M) Mississippi.

¶ Precipitation for 24 hours ending at 3 p. m.

Daily Temperatures for February, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	55	51	48	47	47	47	33	43	56	63	66	72	44	35	40	37	46	45	65	65	71	71	65	45	40	39	42	41	..	..	..	50.7
	Minimum	35	36	36	23	31	31	26	17	34	40	44	40	24	22	20	15	16	36	42	42	44	56	46	26	26	36	36	32	..	..	..	32.4
Brandyville	Maximum	53	53	49	46	48	41	30	43	59	66	62	61	37	36	38	31	45	51	67	63	72	73	67	38	41	40	42	39	..	..	..	49.5
	Minimum	44	36	30	30	39	29	15	22	38	45	40	37	23	22	26	16	23	38	49	44	44	57	37	25	27	34	36	27	..	..	..	33.3
Calhoun	Maximum	55	53	48	40	50	48	34	42	57	63	62	66	40	37	40	32	44	44	61	61	74	74	72	47	40	41	42	42	..	..	..	50.3
	Minimum	37	36	28	25	37	32	18	19	56	36	42	40	25	23	32	16	18	36	42	42	43	55	47	28	27	36	37	29	..	..	..	33.3
Earlington	Maximum	50	53	48	42	50	43	32	42	56	64	62	66	36	33	40	29	43	44	67	59	73	73	69	43	40	40	51	40	..	..	..	49.7
	Minimum	40	36	28	23	39	32	17	17	37	46	43	35	23	21	27	15	16	38	43	42	43	54	43	25	26	36	36	28	..	..	..	32.5
Greenville	Maximum	54	51	45	48	..	33	33	36	56	64	64	64	42	32	30	28	44	44	62	62	74	73	71	47	39	41	41	46	..	..	..	*49.0
	Minimum	38	35	26	22	..	30	17	15	33	39	53	38	23	20	28	13	15	35	41	42	42	56	45	25	25	35	36	29	..	..	..	*31.7
Hopkinsville	Maximum	53	51	49	41	51	44	33	40	54	62	63	61	39	33	32	29	44	44	65	63	72	70	69	52	45	41	41	45	..	..	..	49.8
	Minimum	42	27	27	24	28	31	18	19	35	39	46	39	25	22	29	16	19	34	43	43	44	54	48	26	27	35	38	38	..	..	..	32.7
Marion	Maximum	52	52	49	40	47	47	33	43	58	68	60	63	46	34	38	30	46	47	61	59	74	73	67	40	39	39	39	39	..	..	..	49.4
	Minimum	44	35	29	27	37	30	15	22	38	50	39	36	21	21	25	14	20	36	45	40	42	58	40	24	26	34	35	26	..	..	..	32.5
Mayfield	Maximum	53	53	50	47	49	46	46	44	60	66	64	63	40	34	41	37	45	50	60	60	70	74	70	50	41	42	43	40	..	..	..	51.4
	Minimum	45	35	28	27	28	30	17	21	35	45	39	38	25	23	25	16	22	37	48	43	45	67	47	25	29	37	36	28	..	..	..	33.6
Owensboro	Maximum	56	52	46	37	33	34	25	37	57	58	60	60	37	33	26	24	43	42	59	64	73	76	70	44	41	40	39	36	..	..	..	46.9
	Minimum	42	34	27	25	32	25	18	18	32	38	42	37	23	23	16	18	24	35	41	41	43	64	40	26	28	36	36	29	..	..	..	31.9
Paducah (Lone Oak)	Maximum	57	57	51	50	52	53	46	41	61	68	68	65	44	36	43	38	48	57	68	65	76	78	69	51	43	44	45	47	..	..	..	54.1
	Minimum	37	35	30	29	30	32	23	16	31	46	41	40	24	22	31	16	22	39	47	42	44	58	47	25	28	35	36	36	..	..	..	33.6
Paducah	Maximum	53	47	55	41	51	41	38	46	63	63	63	60	38	37	38	37	48	49	65	58	76	74	64	42	43	42	42	43	..	..	..	50.5
	Minimum	37	39	33	28	33	30	17	22	38	40	42	35	25	23	26	17	23	39	41	42	44	57	47	27	29	34	36	29	..	..	..	33.3
Princeton	Maximum	53	53	48	45	50	49	34	45	58	63	62	65	37	34	40	35	45	44	64	60	74	74	72	53	40	41	42	41	..	..	..	50.8
	Minimum	44	33	26	25	38	32	16	17	35	39	42	35	23	21	29	15	19	33	43	42	44	50	50	25	27	35	36	28	..	..	..	32.2
Russellville§§	Maximum	54	41	49	42	47	39	27	43	..	65	68	69	38	34	39	30	43	54	70	50	75	73	64	43	46	45	44	43	..	..	..	*49.4
	Minimum	40	38	29	25	29	31	20	18	24	..	40	49	26	23	25	15	16	25	38	47	43	45	57	27	27	36	38	33	..	..	..	*32.0
Central Division.																																	
Anchorage	Maximum	52	50	44	36	48	45	31	41	55	56	58	65	38	37	41	28	39	44	58	56	71	73	65	40	43	44	40	39	..	..	..	47.9
	Minimum	33	34	25	20	33	30	17	16	32	33	41	38	20	21	25	12	13	35	42	35	40	55	34	25	25	33	36	28	..	..	..	29.7
Bardstown	Maximum	51	53	48	41	49	50	35	42	54	61	62	68	48	38	40	30	40	46	63	57	72	73	65	50	45	43	42	46	..	..	..	50.2
	Minimum	35	37	30	21	34	33	18	16	32	37	50	39	24	22	29	13	14	38	45	43	42	56	48	28	21	35	37	30	..	..	..	32.4
Bowling Green	Maximum	53	54	52	51	49	48	36	44	56	66	67	69	45	38	41	37	45	46	62	54	68	74	69	53	48	45	46	44	..	..	..	51.8
	Minimum	39	38	33	27	38	34	20	15	32	39	51	44	28	25	24	16	19	36	37	41	47	55	52	28	28	38	39	34	..	..	..	34.2
Camp Knox	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Elkhorn	Maximum	59	57	49	41	54	49	49	49	50	64	68	70	58	40	38	38	39	53	60	59	70	71	71	61	49	50	49	40	..	..	..	53.2
	Minimum	30	28	31	30	33	34	32	13	30	49	57	55	26	22	28	13	16	23	42	43	44	53	52	26	25	36	36	32	..	..	..	33.0
Frankfort	Maximum	53	53	44	42	45	48	36	39	52	60	60	68	53	39	40	38	38	46	60	60	69	72	70	57	48	44	41	40	..	..	..	50.6
	Minimum	30	39	30	22	35	35	18	20	32	35	47	44	26	22	30	15	15	36	42	41	42	49	54	28	27	35	37	29	..	..	..	32.7
Franklin	Maximum	57	56	51	46	49	50	47	43	52	66	69	71	55	38	38	37	43	48	70	67	75	74	71	56	47	47	46	45	..	..	..	54.1
	Minimum	35	39	31	28	35	33	20	18	32	41	52	53	27	24	29	15	18	35	46	47	44	53	52	28	28	38	39	34	..	..	..	34.8
Glasgow	Maximum	62	55	50	43	45	50	35	44	53	63	71	69	42	38	35	32	40	49	67	61	74	73	68	46	48	44	44	42	..	..	..	51.5
	Minimum	42	39	36	26	24	36	19	16	34	40	56	41	28	23	28	13	15	24	44	44	44	54	45	29	26	36	39	32	..	..	..	32.9
Greensburg	Maximum	58	56	49	44	51	50	42	43	53	63	67	70	51	40	35	33	43	46	65	64	73	73	71	58	49	44	47	42	..	..	..	52.8
	Minimum	28	38	27	19	33	34	18	11	22	30	51	49	25	20	27	9	12	35	40	42	42	49	50	27	24	35	38	30	..	..	..	30.9
Irvington	Maximum	52	53	45	38	49	40	34	40	55	60	58	66	39	36	41	29	42	44	60	59	71	71	67	44	41	42	42	40	..	..	..	48.5
	Minimum	43	33	30	24	34	34	16	20	35	45	45	38	23	22	29	14	18	37	43	42	41	57	43	27	27	35	36	28	..	..	..	32.8
Junction City	Maximum	52	55	48	49	52	61	39	41	49	62	65	68	51	37	35	32	36	45	61	61	70	72	68	58	48	43	50	39	..	..	..	51.7
	Minimum	28	40	26	20	31	33	17	14	28	38	55	45	26	21	23	8	4	31	41	42	41	49	44	28	24	38	37	30	..	..	..	30.8
Lebanon	Maximum	52	50	47	42	47	47	32	41	53	63	65	68	38	33	35	30	43	45	64	60	71	71	64	42	43	41	43	40	..	..	..	49.0
	Minimum	38	36	30	24	35	32	19	17	32	38	47	38	25	23	29	15	16	35	42	42	42	56	42	27	27	36	37	36	..	..	..	32.6
Leitchfield	Maximum	52	48	41	39	46	43	28	37	48	60	61	66	33	35	35	28	37	44	58	52	68	70	69	38	40	43	42	36	..	..	..	45.8
	Minimum	40	33	29	28	35	28	16	18	32	42	48	32	23	20	17	12	14	34	43	40	41	55	50	26	23	33	35	27	..	..	..	30.5
Lexington	Maximum	53	48	43	38	47	42	28	40	53	61	58	64	35	38	40	26	40	46	59	51	70	71	65	37	43	42	43	38	..	..	..	47.1
	Minimum	41	37	31	28	36	27	17	21	34	44	45	29	22	24	20	14	18	38	46	40	41	61	38	26	28	35	36	28	..	..	..	32.0
Louisville	Maximum	52	50	42	41	47	46	34	39	52	58	59	63	51	38	40	28	39	42	57	57	68	70	69	54	40	40	39	39	..	..	..	48.7
	Minimum	38	36	30	24	33	34	18	20	33	37	44	41	23	20	29	14	16	26	42	37	41	58	44	19	25	33	36	27	..	..	..	32.0
Dr. Clarence Park	Maximum	52	52	48	48	46	48	33	39	50	61	61	66	44	34	38	38	40	44	60	60	70	71	64	42	40	40	41	40	..	..	..	50.5
	Minimum	37	36	29	30	31	31	18	17	34	42	46	43	25	22	26	26	14	28	36	40	43	55	54	27	26	35	31	29	..	..	..	32.3
Shelbyville	Maximum	48	49	41	36	44	46	32	38	51	60	55	60	40	31	39	29	34	40	55	55	64	70	64	40	39	40	41	40	..	..	..	45.3
	Minimum	38	36	28	21	31	32	16	18	30	41	44	35	20	18	28	13	9	30	38	31	35	55	46	25	21	29	34	24	..	..	..	29.3
Shelbyville	Maximum	54	52	45	37	48	49	45	42	53	58	59	67	56	52	45	43	28	45	56	55	69	71	64	48	47	41	39	39	..	..	..	51.0
	Minimum	38	35	26	22	35	36	25	18	32	33	43	43	24	22	28	14	14	35	42	39	41	58	50	28	24	32	35	27	..	..	..	32.0
Taylorsville	Maximum	51	52	46	40	47	46	33	43	59	61	67	68	57	39	39	33	39	45	60	58	69	71	69	55	42	42	41	39	..	..	..	49.2
	Minimum	36	36	29	31	34	36	19	17	32	32	42	46	25	22	30	14	15	37	41	42	41	42	42	28	27	35	35	30	..	..	..	32.0
Warmoestown	Maximum	50	51	41	40	47	46	33	39	50	61	59	53	44	38	33	34	37	43	57	57	67	72	69	49	41	41	40	40	..	..	..	47.8
	Minimum	31	35	26	19	30	29	14	16	29	39	44	37	21	17	28	10	9	26	28	33	35	53	46	24	20	28	33	24	..	..	..	28.1
Eastern Division.																																	
Ages	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Ashland	Maximum	52	57	50	41	53	56	44	39	42	58	63	69	59	42	41	36	39	44	59	58	65	74	72	63	46	47	46	45	..	..	..	51.7
	Minimum	33	42	35	23	31	36	29	26	36	34	48	41	30	21	32	14	12	31	40	43	42	47	49	30	26	40	31	31	..	..	..	38 3
Beattyville	Maximum	56	57	53	46	57	56	44	47	54	72	70	62	45	36	34	39	51	59	60	72	74	69	60	55	47	47	43	..	..	..	..	54.1
	Minimum	24	39	25	19	25	26	20	21	25	34	51	46	31	23	32	15	7	29	39	45	48	40	45	32	26	33	40	34	..	..	..	31.8
Berea	Maximum	47	..	50	36	45	45	35	45	43	58	61	63	47	31	30	25	36	45	..	57	62	68	62	48	40	44	47	36	..	..	..	b46.4
	Minimum	28	..	28	20	24	31	15	12	28	38	49	43	24	18	23	4	5	32	..	40	39	53	48	24	20	20	34	26	..	..	..	b28.2
Jackson	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Maysville	Maximum	51	52	42	34	48	46	37	39	48	60	60	63	44	41	38	32	34	42	58	56	66	72	66	58	42	46	43	42	..	..	..	48.7
	Minimum	27	35	29	22	33	35	22	22	29	39	49	40	27	20	30	14	12	31	38	35	39	49	57	28	25	32	38	29	..	..	..	31.6
Middlesboro	Maximum	55	59	52	47	50	50	44	38	41	58	72	70	66	47	43	35	41	54	55	65	73	73	68	59	61	58	55	48	..	..	..	54.9
	Minimum	28	47	33	24	33	39	21	13	27	38	56	60	36	31	34	17	13	32	45	49	48	44	55	36	35	44	47	38	..	..	..	36.5
Mount Sterling	Maximum	52	56	42	38	51	48	35	38	50	61	61	67	35	41	35	30	35	46	56	56	69	72	66	53	43	44	45	39	..	..	..	48.5
	Minimum	30	35	28	21	34	32	17	17	28	38	52	43	27	19	28	10	4	30	42	40	42	48	52	27	23	33	38	29	..	..	..	31.0
Richmond	Maximum	57	54	46	40	52	48	42	40	48	61	65	67	55	41	38	33	38	46	56	59	71	72	67	56	51	44	48	42	..	..	..	51.3
	Minimum	37	39	30	26	35	34	18	17	31	41	56	46	27	20	28	11	11	32	42	43	43	57	53	29	25	35	39	31	..	..	..	33.4
Williamsburg	Maximum	57	60	53	47	54	54	45	41	49	66	76	74	65	46	40	35	44	54	59	65	74	75	71	63	59	67	53	47	..	..	..	56.9
	Minimum	27	45	34	23	32	38	19	13	31	41	57	52	32	27	32	15	13	33	47	52	49	45	56	33	28	41	44	35	..	..	..	36.5

§§ Instruments are read in the morning. The maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * etc. indicate respectively 1, 2, 3, etc., days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVII. LOUISVILLE, KY., MARCH, 1922. No. 3

GENERAL SUMMARY.

A short period of low temperature at the beginning of the month, a continuation of the colder weather that set in toward the end of February, was decidedly important and beneficial in checking sharply the tendency of fruit buds to premature blossoming. Because of this check peaches and plums did not bloom until the last week. Mild weather, broken by a few days with freezing temperature, prevailed after the 4th. Winter grains, pastures, meadows, clover, and alfalfa started vigorous growth early in the month and at its close had reached a condition probably three weeks ahead of the season.

Precipitation was exceptionally heavy and frequent, even for March, approaching the record for this month for the State and exceeding the record at several stations. Plowing was possible on a few days in the third and fourth weeks, but the work was stopped by rain before much was accomplished. Tobacco plant beds were being sown all through the month, when the weather would permit, but this work could not be completed, because of the continued rains. No progress of consequence was made in sowing oats or planting potatoes. Crops on upland or well drained soils were not injured by the rains, but wheat and other winter grains on lowlands or wet soils were seriously damaged and practically drowned out. This condition was most prevalent in the western counties where the rainfall was heaviest and lowlands overflowed during about half of the month. Floods along many streams caused damage to land, roads, fences, and bridges; while the flood waters stood on the lowlands in the western counties so long as to destroy the crops that were growing on them. Probably the most serious effect of the floods was the delay in plowing the overflowed lands.

TEMPERATURE.

The average temperature for the month, 40 stations reporting, was 49.4°, which is 3.4° above normal. Freezing temperatures occurred generally in the periods 1st-4th, 8-9th, and 20th-22d. Maximum temperatures ranging from 60° to 70° were registered at most stations in the periods 10-19th, and from 65° to 75° in the period 23d-31st. Temperatures were favorable for growth of early vegetation most of the time during the last two decades. Extremes for the month were 83° at Ashland on the 30th, and 19° at Scott on the 3d.

PRECIPITATION.

The average precipitation, based on the reports of 55 stations, was 8.11 inches, which is 3.45 inches above normal, and the highest on record for March except in 1890, when the average amount was 8.34 inches.

In the southern and western counties monthly amounts ranged between 8.0 and 12.0 inches, and in the northern counties from 6.0 to 8.0 inches. In the basin of the upper Green River the total precipitation was more than 10 inches. Amounts at various stations ranged between 4.70 inches at Pikeville and 12.68 inches at Blandville. Except in the period 22d-25th, rain occurred daily somewhere in the State. It was moderate to heavy in the periods 1st-2d, 6-7th 9-10th, 14-15th, 19-20th, 26-27th, and 30th-31st, besides showers that occurred on other dates. The total snowfall ranged from 1.0 to 4.0 inches in the east-central counties, but there was none of consequence elsewhere. Sleet was reported generally on the 1st, and from several stations on the 7th. Thunderstorms occurred on the 10th, 14th, 19th, 28th, 29th, and 30th, frequently accompanied by hail.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.05	30.40	22	29.44	19	8507	11.4	48	sw.	19
Cincinnati ..... Ohio	30.08	30.43	22	29.36	19	7207	7.9	54	sw.	30
Evansville ..... Ind.	30.07	30.41	22	29.36	19	10441	14.0	52	w.	19
Lexington ..... Ky.	30.08	30.43	22	29.45	10	12593	16.9	58	sw.	30
Louisville ..... Ky.	30.09	30.43	22	29.43	19	10717	14.4	69	sw.	30

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	79	64	68	175.3	371.4	47	10	11
Cincinnati ..... Ohio.	79	66	72	135.2	371.1	36	9	18
Evansville ..... Ind.	77	62	68	143.5	371.2	39	5	12
Lexington ..... Ky.	80	69	.....	136.9	371.2	37	7	15
Louisville ..... Ky.	75	63	69	159.9	371.2	43	8	12

COMPARATIVE DATA FOR MARCH.

Year	Temperature. Monthly average	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average	Departure from 30-year normal.	No. of days with .01 or more
1889	40.5	− 5.5	84	18	1.52	−3.14	
1890	41.2	− 4.8	78	4	8.34	+3.68	
1891	41.8	− 4.2	71	9	8.06	+3.42	
1892	40.6	− 5.4	82	7	4.08	−0.58	
1893	45.0	− 1.0	89	5	2.76	−1.90	
1894	50.8	+ 4.8	86	10	2.72	−1.94	
1895	45.0	− 1.0	88	15	3.17	−1.49	9
1896	41.1	− 4.9	80	5	6.16	+1.50	12
1897	49.6	+ 3.6	86	20	7.94	+3.28	14
1898	50.7	+ 4.7	84	16	7.59	+2.93	13
1899	43.9	− 2.1	80	− 3	8.10	+3.44	15
1900	42.8	− 3.2	81	3	2.58	−2.08	9
1901	46.4	+ 0.4	87	3	3.50	−1.16	10
1902	47.2	+ 1.2	82	7	4.44	−0.22	11
1903	52.5	+ 6.5	85	19	4.43	−0.23	12
1904	47.7	+ 1.7	88	12	6.26	+1.62	12
1905	52.2	+ 6.2	86	22	4.45	−0.21	9
1906	39.2	− 6.8	75	3	6.37	+1.71	16
1907	54.9	+ 8.9	92	18	2.28	−2.38	10
1908	51.8	+ 5.8	88	19	5.42	+0.76	13
1909	44.8	− 1.2	74	17	5.14	+0.48	11
1910	55.0	+ 9.0	91	11	0.79	−3.87	3
1911	46.0	0.0	87	7	2.57	−2.09	9
1912	41.3	− 4.7	88	10	6.22	+1.56	15
1913	46.5	+ 0.5	85	9	7.22	+2.56	10
1914	41.8	− 4.2	78	2	3.62	−1.04	12
1915	37.8	− 8.2	65	11	2.11	−2.55	8
1916	43.5	− 2.5	84	4	3.39	−1.27	10
1917	45.9	− 0.1	84	0	6.52	+1.86	14
1918	51.6	+ 5.6	85	17	1.97	−2.69	5
1919	47.6	+ 1.6	81	16	5.65	+0.99	9
1920	46.3	+ 0.3	88	1	4.85	+0.19	10
1921	56.7	+10.7	87	19	5.75	+1.09	11
1922	49.4	3.4	83	19	8.11	+3.45	14

Climatological Data for March, 1922.

Station	County	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation in inches. Number of days. Total	Departure from the normal	Greatest in 24 hours	Total snowfall unmelted	With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	Observers
Western Division																				
Beaver Dam	Ohio	441	18	49.8	+ 3.1	75	24	23	8	35	6.50	+2.59	1.30	0	11	13	4	14	sw.	Miss Addie B. Taylor
Blandville	Ballard	445	10	49.3	+ 2.0	73	24*	22	2	28	12.68	+8.05	2.82	0	12	7	6	18	sw.	E. W. Horr.
Calhoun	McLean	437	19	51.0	+ 1.7	76	24*	27	2†	32	8.81	+4.84	1.39	T.	14	12	3	16	s.	W. A. Taylor.
Earlington	Hopkins	420	31	49.2	- 1.9	75	24*	25	2	37	8.60	+3.72	1.90	T.	14	12	3	16	s.	Brick Southworth.
Greenville	Muhlenburg	519	5	48.7	.....	77	30	22	8	33	7.16	.....	1.20	.....	11	8	11	12	s.	C. R. Lovell.
Henderson	Henderson	327	13	.....	.....	.....	.....	.....	.....	.....	8.99	+4.21	2.15	T.	12	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	25	47.9	- 1.3	69	30	25	2†	31	7.58	+2.74	1.27	0	15	10	6	15	w.	W. E. Graves.
Marion	Crittenden	571	23	49.6	+ 1.0	75	25	22	2	28	8.85	+4.06	1.87	0	9	6	7	18	sw.	B. C. Paris.
Mayfield	Graves	364	11	50.4	- 1.0	75	25†	21	2	35	8.61	+4.55	1.97	0	14	11	10	10	sw.	N. E. Douthit.
Owensboro	Daviess	479	25	49.4	+ 2.5	74	24†	26	2†	32	5.83	+1.05	0.88	0	15	10	6	15	se.	Henry S. Berry.
Paducah-Lone Oak	McCracken	516	5	52.0	.....	77	25	23	2	34	9.52	.....	2.90	0	9	12	4	15	w.	D. T. Hayden.
Paducah ¶	McCracken	341	33	49.8	0.0	76	23†	24	2	30	10.62	+6.23	3.05	0	11	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	11	49.0	+ 0.7	76	25	24	8	38	7.60	+2.29	1.43	T.	15	9	5	17	s.	Dr. W. L. Cash.
Russellville	Logan	580	9	48.7	- 0.5	75*	24†	24*	8	37*	9.17	+3.88	1.74	0	12	5	1	25	s.	E. C. Shelton.
Central Division																				
Anchorage	Jefferson	700	21	47.9	+ 2.8	78	30	23	22	38	7.45	+3.21	2.23	2.0	16	11	6	14	sw.	C. E. Barret.
Bardstown	Nelson	637	26	50.2	+ 3.6	79	30	25	21	34	6.99	+2.30	1.13	0.0	16	10	2	19	s.	Chas. M. Talbott.
Bowling Green	Warren	500	31	51.7	+ 3.4	78	24†	25	2	38	11.53	+6.61	2.25	0.0	10	8	7	16	w.	James H. Young.
Brownsville	Edmonson	410	4	.....	.....	.....	.....	.....	.....	.....	10.39	.....	1.98	0.0	14	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	773	28	.....	.....	.....	.....	.....	.....	.....	9.86	+4.60	2.56	T.	12	.....	.....	.....	.....	
Camp Knox	Hardin	736	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Signal Corps, U. S. A.
Carrollton Lock No. 1	Carroll	402	22	.....	.....	.....	.....	.....	.....	.....	7.24	+3.91	2.30	.....	18	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	8	.....	.....	.....	.....	.....	.....	.....	7.47	.....	1.85	T.	14	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	27	49.7	+ 3.4	78	30	25	4†	40	9.29	+4.04	1.85	1.3	14	4	9	18	se.	Mrs. Katie Payne.
Frankfort	Franklin	560	28	49.3	+ 3.1	79	30	27	22	35	7.01	+2.31	1.75	T.	16	7	3	21	s.	Mrs. Amelia Wood
Franklin	Simpson	691	26	51.6	+ 1.5	79	30	25	2	35	8.85	+4.10	1.62	T.	16	8	10	13	s.	Volney Jameson.
Glasgow	Barren	788	0	51.0	.....	79	30	25	2†	33	8.97	.....	2.50	T.	18	12	0	19	w.	Dr. Fidella Edwards.
Greensburg	Green	581	29	49.2	+ 2.4	76	25	21	8	43	10.27	+5.24	2.50	0.5	19	8	3	20	n.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	19	.....	.....	.....	.....	.....	.....	.....	9.58	+5.14	2.10	0.0	14	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	24	50.1	+ 3.3	75	24†	25	2	31	6.57	+1.97	1.75	T.	12	7	5	19	sw.	W. J. Piggott.
Junction City	Boyle	985	28	48.6	+ 2.5	78	30	22	1†	42	9.67	+4.56	1.90	T.	18	4	15	12	se.	Prof. E. L. Grubbs.
Leitchfield	Grayson	645	26	49.2	+ 3.2	75	30	24	2†	33	8.03	+3.24	2.51	0.0	8	8	11	12	s.	John E. Stone.
Lexington	Fayette	989	34	46.8	+ 3.4	76	30	25	2	31	7.75	+3.03	1.43	2.8	17	7	3	21	sw.	U. S. Weather Bureau.
LOUISVILLE	Jefferson	525	19	48.8	+ 3.5	76	30	25	2	32	6.46	+2.14	1.57	0.7	17	6	10	15	s.	U. S. Weather Bureau.
Do (Cherokee Park)	Do	544	12	48.3	+ 3.5	76	30	25	2	36	6.80	+2.96	1.48	1.4	12	9	8	14	s.	Wm. I. Hunt.
St. John	Hardin	777	25	49.4	+ 4.3	75	30	25	2†	36	7.65	+2.66	1.10	T.	15	11	5	15	....	Sisters of Loretto
Scott ¶	Kenton	900	24	46.4	+ 3.0	76	30	19	3	36	7.30	+2.86	1.95	3.0	14	8	4	19	s.	E. B. Wilson.
Shelbyville	Shelby	825	32	49.0	+ 4.3	78	30	25	2	34	7.77	+3.06	1.64	2.0	14	11	2	18	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	19	49.2	+ 2.6	78	30	26	2†	41	6.77	+2.13	1.20	T.	15	6	6	19	s.	E. D. Bourne.
Williamstown	Grant	943	18	47.1	+ 2.5	77	25	22	1†	38	7.23	+2.85	1.38	4.2	15	12	3	16	nw.	Mrs. E. S. Hamilong.
Woodsbury	Butler	533	4	.....	.....	.....	.....	.....	.....	.....	7.98	.....	2.06	0 0	13	.....	.....	.....	.....	J. C. Stinson.
Eastern Division																				
Ages	Harlan	1250	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Ashland	Boyd	534	3	49.3	.....	83	30	26	28	39	7.84	.....	2.45	T.	20	10	2	19	w.	Forester Farley.
Beattyville	Lee	650	17	50.6	+ 5.9	82	30	24	23	42	7.66	+2.58	1.80	T.	15	5	11	15	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	47.6	+ 0.5	78§	30†	23*	2	41*	8.06	+3.30	1.98	T.	8	17*	3*	10*	s.	F. C. Thompson.
Cynthiana	Harrison	684	4	.....	.....	.....	.....	.....	.....	.....	7.15	.....	2.30	3.0	11	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	35	.....	.....	.....	.....	.....	.....	.....	6.52	+2.43	1.74	T.	14	7	3	21	s.	J. V. Oldham.
Farmers	Rowan	668	13	.....	.....	78	25†	.....	.....	.....	7.18	+2.67	1.80	T.	12	6	9	16	ne.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jacob E. Lang.
Louisa	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	6.51	+2.42	1.56	.....	18	.....	.....	.....	.....	T. D Snyder.
Maysville	Mason	524	24	48.9	+ 4.8	80	30	25	3	37	8.05	+3.41	1.80	T.	15	13	1	17	w.	Harry M. Robinson.
Middlesboro	Bell	1128	24	50.6	+ 2.1	79	30	25	5	42	9.59	+4.11	2.00	0.0	13	16	10	5	.....	B. H. Perkins.
Mount Sterling	Montgomery	930	32	48.2	+ 4.5	79	30	25	5†	40	8.75	+3.34	1.70	0 5	14	9	4	18	w.	W. R. McKee.
Oliver	Greenup	540	2	.....	.....	.....	.....	.....	.....	.....	6.69	.....	1.90	0.2	14	.....	.....	.....	.....	Chas. Folsom.
Opequita	Campbell	443	0	.....	.....	.....	.....	.....	.....	.....	7 82	.....	2.20	.....	15	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	16	.....	.....	.....	.....	.....	.....	.....	4.70	+0.15	1.12	T.	13	.....	.....	.....	.....	I. M. Williams.
Richmond	Madison	926	27	50.3	+ 4.9	78	25†	27	22	36	7.92	+3.53	1.35	3.0	12	12	4	15	.....	J. W. Crooke.
Vanceburg	Lewis	525	5	.....	.....	.....	.....	.....	.....	.....	7.35	.....	1.55	T.	12	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	989	24	51 8	+ 5.7	81	30	26	8	42	8.90	+3.98	2.20	T.	15	10	7	14	s.	Mrs. Ruth Inman.
State averages and extremes		.....	.....	49.4	.....	83	30	19	3	43	8.11	.....	3 05	0.5	14	9	6	16	e.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, b represents two days, etc.

T. Precipitation is less than 0.01 inch rain or melted snow.

* Also on other dates. ** Received too late to be included in means and summaries. §Temperature data by Evening Sun.

¶Post-office address, Covington, Ky.

Errata. November, 1921.—Scott, mean minimum temperature should be 37.0°, and mean monthly temperature should be 46.6°. Average temperature for the State should be 49.3° and departure from normal +3.7°.

MISCELLANEOUS

March 7 — A church was unroofed by a windstorm at Winchester.

March 10. — Buildings were damaged by wind at Dry Ridge.

March 14 — Two oil tanks were blown down and three men injured by a windstorm in Warren County.

March 28. - A farmer was shocked into unconsciousness by lightning near Bloomfield.

March 30. — Telephone and telegraph wires were damaged by wind at many places in the State, especially in the eastern counties. Earth tremors were reported at 10.53 a. m. and 1.06 p. m., in the extreme western counties.

Daily Precipitation for March, 1922.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G	1.00						.60		.15	1.10				.55	.30				.18	.12						.70	1.30			.50	6.00
Blandville ..... M	.49					.20			.81	T.			.36	1.86				1.05	1.55						1.22		.10	14	2.82	2.68	12.68
Calhoun ..... G	.33	.08				.28	.41		.38	.67	.01	T.	T.	.65	1.39			T.	1.02	.07					.95	.66	.05	.24	.56	1.66	8.81
Earlington ..... G	.91					.29	.22		.84	.38			T.	.39	1.50				.63						1.80	.26	.09	.33	.21	.25	8.60
Greenville ..... G	.47						.91		.20	1.20	.01			.33	1.19				.41						.80	.86				.68	7.16
Henderson ..... O	.10		T.				.36			.60	.10	T.		.64	1.80				.78	.15					1.00	1.06			.55	2.15	8.59
Hopkinsville C	1.27	.02				.26	.53		.76	.88	T.			.82	.60				.53	.02					.85	.17	T.	.09	.06	.72	7.58
Marion ..... O	.73					.25			.92				T.		.53	1.32			.88						1.80		T.		.55	1.87	8.85
Mayfield ..... M	.80					.35			1.05	.40	.01		.15	.45	.30				1.00						1.97	.05		.13	.50	1.45	8.03
Owensboro ..... O	.08					.02	.32	.40		.15			T.	.77	.88			T.	.73	.20					.67	.60	.01	.18	.20	.62	5.84
Paducah (Lone Oak) ..... O		.50	.20						.90				.20	1.40					1.10						1.32				1.60	2.90	9.32
Paducah ‖ ..... O	.82						.20			.86				.30	1.92				.96	.15					.20	1.54		T.	.62	3.65	10.62
Princeton ..... G	.80	T.				.35	.09		.62	.64	.01		.02	1.43				T.	.84	T.					1.10	.13	.01	.16	.48	.82	7.50
Russellville ‖ ..... G	1.23	.58					.50			1.63				.05	1.74				.10	.36						1.69	.15	.01			1.13	9.17
Central Division.																																
Alpha C																																
Anchorage ..... O	.43			.18		.13	.16		.18	.68	.16			2.23	.28				.86	.10												
Bardstown ..... S	1.13	.06		.15			.58		.50	.75	.15			.90	.80				.18	.05					.52	.63	.21	T.	.06	.64	7.45
Bowling Green ‖ ..... G	1.53	1.35				T.	.80	.15		1.62	.26				2.25					.50					.26	.45		.04	.28	.73	6.99
Brownsville ‖ ..... G	.75	1.10					.78	.05		1.45	.39			.06	1.98				.30	.40	.04				T.	1.55				1.52	11.58
Burnside ‖ C	.86	1.03		.16	.02		.82			2.56	.28	T.		T.	1.42	T			.36	.67	T.					1.65	.08	T.		1.36	10.39
Camp Knox ..... O																										.90				.78	9.86
Carrollton ‖ (Lock No. 1) ..... O	.05	.16		.38		.07	.30	.02		.14	.27	.28		.35	2.30				.55	.32	.05					1.05		.08	.30	.57	7.24
Cloverport ‖ ..... O	.04	.04					.34		F.	.71	.17			.70	1.20				.61	.27	T.				.01	1.85	T.	.24	.52	.77	7.47
Eubank C	1.05	.80		.15			.80			1.46		.05			1.68				.25	.20	.05				.85		.07		.03	1.85	9.29
Frankfort ‖ ..... K	.15	.65		.20	.02		.51	T.		.70	1.00	.05		.22	1.75				.21	T.	T.					.46	.06	.07	.05	.91	7.01
Franklin ..... G	1.30	.10				.09	.07		.48	1.62		.02		.77	.92		.34		.10	.09					.46	.61			.09	1.19	8.85
Glasgow ..... G	2.50	.20		.50		.04	.80	.05	.80	.80	.02			.62	.45				.45	.02					.15	.15		.17	.15	1.10	8.97
Greensburg ..... G	2.50	.85		.07		.05	.79	.02	.23	1.05	.01				1.55			.04	.36	.03	.02				.02	.42		.05	.15	2.05	10.27
High Bridge ..... K	.37	1.02					1.32			1.19	.42	.10		.09	2.10	T.			.26	.16					T.	.52		.31	.02	1.70	9.68
Irvington ..... O	.30						.44			.77	T.			1.75	.16				.58	.10					.83	.49	.39	T.	.14	.62	6.57
Junction City ..... K	1.78			.48	T.				.09	1.44	.22	.01	.01	.01	1.90	.01		T.	.57	.14	T.			.01	.01	.96		.13	.20	1.70	9.67
Leitchfield ..... G	.97					.39			1.30	T.			T.	2.51					.59						1.66	.05			.62	8.03
Lexington *** ..... K	.78		.05	.30		.87	.21		.69	.42	.23			1.30	.21			T.	.38	T.	T.				.17	.53	.03	.03	.24	1.31	7.75
Louisville *** ..... O	.30			.15		.29	T.		.44	.07	.17		.30	1.31	.10			T.	.82	.02	T.				1.04	.51	.02	.05	.34	.53	6.46
Do. (Cherokee Park) ..... O		.30		.14			.28		T.	.50	.22			.51	1.48				.38	.60					*	1.41	T.		.22	.76	6.80
St. John ..... S	.90	.28				.05	.25		.75	.45	.11			1.10	.70				.35	T.					.73	1.07		.01	.30	.60	7.65
Scott L	.22			.25			.33			.20	.28			1.95	1.00				.52	.12	T.				.25	.54	.18		.61	.85	7.30
Shelbyville ..... S	.55	T.		.22		T.	.60		T.	1.14	.28			.65	1.64				.32	.09	T.				.59	.52	.11		.25	.81	7.77
Taylorsville ..... S	.63	.17		.03		T.	.39		.05	.90	.18			.67	1.20				.34	.03					.32	.59	T.	T.	.28	.99	6.77
Williamstown L	.46	.08		.42			.46	T.		.61	.15			1.08	1.38					.49	T.				.30	.60	.08	.01	.34	.77	7.23
Woodbury ‖ ..... G	.95	.72					.53	.02		1.24	.68	T.		T.	2.06				.07	.15					T.	1.83	.10	.01	T.	1.02	7.98
Eastern Division.																																
Ages ..... K																																
Ashland ..... O	.20	.83		.12	.12		.64	.04		.37	.22	.11		.06	2.45	.02			.03	.77	.03					.37	.55	.12	.01	.78	7.84
Beattyville ‖ ..... K	.17	.74		.04	T.		.82	T.		.70	.26	T.		.02	1.80	.09			T.	.76	.02	.01				.95	.11			1.17	7.66
Boyd ..... K	1.08	.16	T.	.20		T.	1.07		T.	1.53	.43			1.70					1.65	T.	T.										8.06
Cynthiana ‖ L		.85		.30	T.		.35			.45	.30				2.30				.90	T.					.65	T.	.15	.05	1.45	7.15
Falmouth ‖ L	T.	.70	T	.23	T.		.53	T.		.20	.44			.53	1.74				.35	.05	T.	T.			.67	.06	.02	.20	.80	6.52
Farmers L	.34	.70		.20	T.		.56			.65	.35				1.80				.26		T.				.20	T.	.78	.11		1.23	7.18
Jackson ‖ ..... K																																
Louisa ..... B	.45	.74		.15	.11		.57	.04		.65	.28	.09		.06	1.66	.08			.49	.03						.38	.20	.06		.57	6.51
Maysville ‖ ..... O	T.	.70		T.	.15		1.10	T.		.30	.55	1.		.48	1.80				.36	.13	.10	T.				.70	.10	.15	.28	1.15	8.05
Middlesboro C	1.94	.25			.22	.03	.80		.06	2.60	.10				1.60				.55	.05						.62				1.27	9.59
Mount Sterling L	.68	.64		.32		T.	.80		T.	.80	.35			T.	1.70				.40	.14	T.				.03	1.00		.26	.16	1.47	8.75
Oliver ‖ ..... O	.07	.98		.15	.13		.35				.26	.07		.35	1.90				T.	.20	.07					.71	.53			.90	6.69
Oneonta ..... O		.08	.08	.40			.40			.15	1.43			.56	2.20				.28	.30						.62	.07	.08	.61	.56	7.82
Riceville ..... B	.58	.38	.08	.12			.32	T.		1.12	.26	.08			.84	.12				.34	T.					.18				.28	4.70
Richmond ..... K	1.35	.23		.31		T.	.63		T.	1.19	.65			T.	1.20				.20	.13					T.	.75			.30	.28	7.92
Vanceburg ‖ ..... O	T.	.42					1.24	.62	T.			T.	.67	.47	1.55					.57	.02	T.				.90	T.	.27	1.11	1.11	7.35
Williamsburg ‖ C	1.80	.69	T	.19	.04		.68	.04	T.	2.20	.65				1.54	T.			.04	.42	.01	T.				.28	.07			1.05	8.90

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

2 Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Precipitation for 24 hours ending at 8 a. m.

Rivers:—The Ohio River was moderately high at the beginning of the month. It passed flood stage at Evansville on the 14th, and was practically bankful from Catlettsburg to Cairo. Heavy rains over the basin on the 14-15th caused a rapid rise, and flood stage was passed in most of the section from Cincinnati to Cairo on the 16th. Crests reached in the stretch from Cincinnati to Louisville were slightly above flood stage, but the water was much higher in the lower course. Flood conditions continued at Paducah and Cairo, also in the Mississippi from Cairo to Hickman, during the remainder of the month. Two flood waves, with crests several feet above flood stage, occurred in Green River. These merged into one in the lower course, where the river continued above flood stage from the 6th to the 30th. Flood heights did not occur in the tributaries in the central and eastern parts of the State.

Daily Temperatures for March, 1922.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	39	35	33	48	56	60	60	51	51	62	50	55	67	73	60	61	62	49	67	67	58	45	56	70	75	72	70	66	74	65	74	72	59.6
	Minimum	30	25	27	31	29	46	36	23	34	42	41	34	37	56	43	32	42	49	53	37	34	26	35	46	50	54	55	55	55	40	56	40	39.9
Blandville	Maximum	31	29	34	46	58	63	56	58	58	54	47	60	65	67	61	62	67	70	65	44	47	55	71	73	73	65	55	69	58	69	65	57.6
	Minimum	27	22	26	26	33	46	37	29	43	42	40	37	45	53	44	41	49	56	44	36	34	31	43	52	54	49	47	50	46	51	38	41.0
Calhoun	Maximum	37	31	38	50	61	61	52	55	51	62	52	57	69	72	61	62	64	68	65	54	47	58	73	76	76	68	66	74	65	73	68	60.2
	Minimum	31	27	29	33	30	48	38	27	37	43	42	35	40	56	45	35	46	53	53	36	36	29	41	45	50	53	56	55	49	55	41	41.7
Earlington	Maximum	37	29	38	47	59	62	48	53	49	60	48	56	66	72	63	61	66	60	66	54	41	46	56	72	75	75	67	67	73	63	72	..	56.6
	Minimum	26	25	27	31	30	46	37	33	45	42	41	29	37	55	43	32	39	52	40	34	34	30	39	38	52	51	53	53	48	57	..	38.4
Greenville	Maximum	38	38	33	42	60	60	61	49	48	49	57	60	61	61	60	61	65	69	56	45	56	66	75	69	69	60	75	66	77	71	68	58.2
	Minimum	38	24	26	29	27	43	37	22	34	41	43	31	36	55	42	32	41	48	49	33	38	24	35	50	58	52	54	53	47	55	38	39.2
Hopkinsville	Maximum	31	29	33	43	55	53	48	56	51	62	47	55	58	62	61	56	61	64	63	53	51	66	68	67	64	60	68	65	69	67	55	55.8
	Minimum	29	25	26	30	28	45	36	25	38	42	40	30	39	56	43	34	45	49	53	34	35	25	36	43	46	52	55	53	49	60	38	40.0
Marion	Maximum	34	28	34	48	58	62	48	55	50	59	46	58	67	71	65	67	67	69	67	48	46	56	71	73	75	69	57	70	58	70	66	58.5
	Minimum	27	22	26	29	32	45	36	37	39	42	40	34	44	54	44	46	39	42	48	34	34	31	44	50	56	48	52	50	46	53	38	40.7
Mayfield	Maximum	39	38	33	50	58	63	63	57	51	56	56	61	65	70	62	57	67	70	67	57	46	48	74	73	75	68	58	75	66	74	73	60.3
	Minimum	27	22	26	29	32	45	36	37	39	42	40	34	42	55	45	36	47	55	51	33	30	38	39	51	52	52	49	50	48	54	39	40.6
Owensboro	Maximum	30	29	38	47	58	59	58	46	51	61	48	58	70	72	61	63	66	68	73	56	50	59	74	74	77	74	58	74	72	72	72	62.3
	Minimum	29	26	29	32	31	52	36	26	36	44	41	34	40	54	44	36	47	47	44	36	35	31	38	49	50	52	49	48	46	48	39	42.3
Paducah (Lone Oak)	Maximum	54	36	39	49	59	64	55	59	56	57	48	62	67	72	63	66	68	73	72	56	50	59	74	74	77	74	58	74	72	72	72	64.3
	Minimum	25	23	27	27	34	47	36	29	42	43	41	38	43	55	45	39	47	55	52	36	35	31	44	54	54	50	48	56	46	53	38	41.5
Paducah	Maximum	31	30	41	49	54	64	47	48	54	54	47	60	58	64	62	65	67	75	64	47	52	62	76	76	76	66	64	71	58	72	68	58.5
	Minimum	30	24	29	28	38	41	38	37	42	45	42	41	46	48	38	43	51	48	46	31	35	29	46	56	56	53	47	51	54	62	47	41.1
Princeton	Maximum	38	36	33	47	53	53	50	52	52	57	47	57	67	70	64	63	69	69	66	56	49	58	75	75	77	74	59	74	73	74	72	58.2
	Minimum	30	25	27	30	28	44	34	24	37	42	40	29	42	54	44	38	45	52	56	34	35	26	42	47	51	52	47	51	54	52	47	40.6
Russellville§§	Maximum	34	30	43	46	59	62	46	55	50	65	45	59	69	..	..	..	67	68	65	37	47	57	71	75	74	59	67	75	70	70	64	*58.5
	Minimum	31	26	26	29	28	32	37	24	28	43	41	33	37	50	..	33	42	49	54	34	34	25	34	43	49	52	53	53	50	51	56	*39.2
Central Division.																																	
Anchorage	Maximum	31	29	40	42	59	62	50	48	55	67	48	55	72	65	56	62	56	57	65	55	42	51	69	76	77	63	65	73	60	78	68	57.9
	Minimum	27	25	27	29	25	41	33	29	31	41	39	39	39	48	42	31	40	41	50	32	33	23	31	44	49	52	52	55	43	47	38	37.5
Bardstown	Maximum	35	34	38	40	60	62	59	50	56	71	55	54	71	74	57	60	61	68	69	56	51	60	70	76	77	65	69	74	71	79	69	60.4
	Minimum	29	26	28	28	26	45	35	26	31	43	41	40	39	50	40	32	42	43	54	34	25	34	41	45	46	55	55	57	54	41	41	39.7
Bowling Green	Maximum	41	41	35	55	61	63	59	54	58	71	52	60	69	70	70	72	63	68	65	48	59	72	78	78	70	71	77	76	78	77	63.4
	Minimum	32	25	29	28	34	42	38	28	35	36	42	42	40	42	43	36	42	42	38	35	35	29	34	45	49	50	55	58	51	58	41	39.4
Camp Knox	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eubank	Maximum	41	38	37	37	38	48	57	57	53	68	63	65	69	75	70	58	62	64	58	57	41	53	68	74	75	67	67	72	70	78	70	59.7
	Minimum	30	27	28	25	27	37	36	25	32	41	40	39	40	54	37	29	39	43	44	32	32	25	28	44	51	55	54	54	50	57	46	38.4
Frankfort	Maximum	35	34	40	40	48	62	61	45	56	60	56	54	69	67	59	57	57	57	68	58	41	47	66	74	75	72	66	72	71	79	74	61.0
	Minimum	33	28	30	33	26	35	36	31	32	43	40	41	37	54	41	33	41	42	51	34	34	27	31	40	42	51	55	55	46	52	55	39.4
Franklin	Maximum	40	36	34	45	59	61	59	53	52	69	63	59	64	75	63	62	63	68	67	58	47	57	71	76	76	70	67	76	71	79	74	61.4
	Minimum	31	25	27	31	29	44	37	26	37	42	43	41	43	55	43	35	43	48	54	34	34	34	56	47	49	58	56	52	51	61	40	41.0
Glasgow	Maximum	37	34	35	45	60	62	58	55	54	71	53	62	69	76	60	65	62	68	69	51	46	59	69	76	76	67	65	72	73	79	68	61.4
	Minimum	32	25	27	30	30	46	36	25	37	43	41	41	43	54	41	34	44	49	50	34	34	26	36	50	52	57	56	54	51	52	40	41.1
Greensburg	Maximum	38	35	35	45	59	64	58	50	53	72	59	55	72	75	71	60	66	67	68	60	57	54	70	75	76	72	67	67	67	70	68	61.4
	Minimum	33	30	35	46	58	62	55	50	51	67	52	55	68	72	61	62	64	68	69	52	55	54	57	64	42	37	36	39	48	54	51	48.5
Irvington	Maximum	23	24	25	29	22	44	36	21	28	40	39	39	31	54	37	28	36	44	53	32	32	23	27	36	39	48	58	68	72	62	75	47.5
	Minimum	33	30	38	47	58	62	52	48	52	65	62	55	70	66	58	66	62	65	66	53	42	53	69	75	73	68	68	72	62	75	67	59.4
Junction City	Maximum	28	25	29	37	30	48	36	26	34	45	41	42	42	46	42	44	46	45	53	33	34	34	50	69	75	75	70	68	74	70	78	69	60.4
	Minimum	34	33	34	37	57	61	57	49	54	68	64	55	75	76	69	59	60	62	68	59	41	50	69	75	74	74	66	73	65	75	68	58.6
	Maximum	22	26	27	31	22	40	32	25	28	41	40	39	34	45	37	30	36	40	54	32	32	25	27	44	42	53	53	53	45	52	44	36.7
	Minimum	33	30	35	46	58	62	55	50	51	67	52	55	68	72	60	61	64	66	65	50	43	54	67	74	74	66	66	73	65	75	68	58.6
Leitchfield	Maximum	29	24	28	30	27	48	36	24	33	42	40	40	40	50	40	34	43	45	50	35	38	26	34	45	48	50	52	55	49	55	37	39.4
	Minimum	33	28	35	34	57	60	46	47	55	68	41	54	68	69	52	55	54	57	64	42	37	45	65	72	73	59	64	70	57	76	66	54.4
Lexington	Maximum	25	25	26	31	30	45	30	29	36	41	38	38	46	47	36	38	42	39	42	31	30	27	35	51	53	52	53	51	47	53	35	38.4
	Minimum	32	31	43	46	58	61	48	48	54	65	45	54	69	64	58	60	58	59	64	38	41	50	69	74	75	66	64	70	57	76	66	56.4
Louisville	Maximum	32	31	43	46	58	61	48	48	54	65	45	54	69	64	58	60	58	59	64	38	41	50	69	74	75	66	64	70	57	76	66	56.4
	Minimum	29	25	31	32	33	48	31	31	37	42	40	42	43	48	44	41	45	44	38	33	34	31	37	54	57	50	54	52	44	51	37	40.4
Louisville (Cherokee Park)	Maximum	33	30	35	46	58	62	55	50	51	67	52	55	68	72	60	61	64	66	65	50	43	54	67	74	74	66	66	73	65	75	68	58.6
	Minimum	29	24	28	30	27	48	36	24	33	42	40	40	40	50	40	34	43	45	50	35	38	26	34	45	48	50	52	55	49	55	37	39.4
Smithfield	Maximum	33	28	35	34	57	60	46	47	55	68	41	54	68	69	52	55	54	57	64	42	37	45	65	72	73	59	64	70	57	76	66	54.4
	Minimum	29	25	26	31	30	45	30	29	36	41	38	38	46	47	36	38	42	39	42	31	30	27	35	51	53	52	53	51	47	53	35	38.4
St. John	Maximum	34	31	35	60	57	62	55	47	50	66	56	67	69	73	57	58	60	63	65	55	46	54	70	74	70	70	71	73	75	70	60	58.2
	Minimum	29	25	28	30	26	48	36	25	31	43	40	40	39	41	41	34	44	44	44	30	30	26	34	48	50	54	54	47	46	54	38	38.4
Scott	Maximum	29	26	28	30	26	48	36	25	31	43	40	40	39	41	41	34	44	44	44	30	30	26	34	48	50	54	54	47	46	54	38	38.4
	Minimum	29	29	41	36	52	62	57	48	56	60	56	56	69	64	48	57	50	49	63	58	34	45	65	74	75	68	67	69	65	76	65	56.4
Shelbyville	Maximum	22	25	19	30	22	40	33	31	31	42	36	37	41	48	30	32	37	35	44	33	31	23	30	50	48	50	38	55	41	40	44	36.4
	Minimum	35	34	38	39	56	61	64	46	54	68	58	54	70	64	65	62	55	56	66	57	42	48	67	74	74	69	65	71	61	78	68	58.4
Taylorsville	Maximum	27	25	27	32	29	41	32	39	32	42	39	39	40	53	39	34	41	40	46	32	33	26	36	42	45	49	53	53	45	53	40	38.4
	Minimum	34	32	38	40	56	63	59	46	55	69	56	53	70	63	53	53	47	42	52	33	34	26	42	48	67	73	74	67	67	71	69	58.4
Williamstown	Maximum	28	26	31	32	26	41	36	28	36	43	40	40	43	53	41	42	39	42	52	33	34	26	36	43	44	51	55	56	45	57	42	38.4
	Minimum	32	33	42	39	54	62	59	47	55	65	62	57	70	66	56	57	54	52	67	56	37	45	66	75	77	73	77	71	69	73	68	58.4
	Minimum	22	24	22	28	22	42	30	28	29	40	36	36	36	49	37	30	36	35	45	30	29	23	28	46	46	50	50	53	41	42	47	35.4
Eastern Division.																																	
Ages	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ashland	Maximum	36	36	43	42	55	63	57	46	56	64	61	60	71	69	59	57	55	50	66	64	36	42	64	77	78	76	67	77	74	83	75	60.4
	Minimum	27	32	31	35	30	31	39	34	29	43	41	40	37	50	42	31	35	26	44	34	33	29	26	38	41	46	52	52	51	47	56	38.4
Beattyville	Maximum	40	38	39	38	59	69	62	52	56	70	67	58	71	75	72	62	62	59	68	58	39	50	69	78	78	75	69	75	72	82	77	62.4
	Minimum	30	31	31	33	25	37	39	30	27	43	42	41	31	50	40	30	32	42	46	34	33	25	24	43	45	52	53	52	52	52	57	38.4
Berea	Maximum	34	31	36	33	55	61	55	48	51	65	63	50	72	73	..	55	60	63	68	..	35	48	68	75	76	..	70	78	74	78	78	*59.4
	Minimum	25	23	24	24	25	42	31	24	28	38	36	36	39	34	..	26	34	40	50	..	25	25	27	56	52	..	50	51	54	59	39	*39.2
Jackson	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	Maximum	34	33	41	48	54	64	58	46	54	65	63	59	69	71	64	56	54	51	66	58	38	51	64	74	76	64	68	71	68	80	70	59.4
	Minimum	27	30	25	33	26	36	38	33	31	42	40	35	38	53	41	33	39	37	44	35	33	26	27	44	48	50	52	55	49	55	45	38.4
Middlesboro	Maximum	46	36	38	38	57	63	55	54	56	62	62	59	68	75	71	63	65	67	65	58	39	53	68	72	76	72	69	75	76	79	75	62.4
	Minimum	35	33	31	33	25	36	40	28	29	42	43	41	37	53	44	30	42	44	49	34	33	32	26	32	38	42	45	51	52	59	57	39.4
Mount Sterling	Maximum	33	33	37	37	55	65	56	45	57	68	65	56	70	72	66	55	55	54	68	59	36	44	68	75	76	63	68	74	66	78	72	58.4
	Minimum	26	25	29	31	25	42	34	33	31	41	39	38	35	43	36	31	38	39	49	32	31	25	28	44	46	48	52	54	48	50	43	38.4
Richmond	Maximum	35	35	35	35	59	63	59	50	56	70	65	57	69	72	69	60	61	58	68	57	39	53	68	76	78	67	70	74	67	78	69	60.4
	Minimum	29	28	29	32	30	34	36	29	33	43	40	40	40	53	40	35	40	42	43	33	32	27	32	50	54	54	54	57	50	50	56	40.4
Williamsburg	Maximum	52	49	38	38	57	64	59	55	53	67	63	60	67	75	72	64	64	65	68	59	41	55	70	79	75	72	73	79	76	81	78	62.4
	Minimum	33	31	29	32	27	31	39	26	30	42	43	40	39	65	43	30	34	45	53	33	33	30	28	38	39	52	54	52	56	59	55	40.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* [illegible] indicate respectively 1, 2, 3, etc., days missing from record.

UNKE
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., APRIL, 1922. No. 4

GENERAL SUMMARY.

During the first half of the month unseasonably warm weather prevailed, stimulating vegetation to unusually rapid growth. The advanced condition of wheat, which began to joint during the first decade, caused anxiety in regard to possible frost injury later. A sharp change to colder on the 18th was followed by low temperature during the remainder of the month. Light frost generally over the State on the 20th, and in the eastern counties on the 21st, caused no damage; but heavy frost on the 23d injured tender vegetables, early strawberries, cherries and apples, especially in valleys and low places. Wheat suffered no injury of consequence. Minima of 27° to 32° were registered at many stations on the 23d, but the temperature remained at the lowest point probably less than an hour and then rose quickly above freezing. This peculiarity seems to explain why such low temperatures could be reached without more extensive damage to fruit.

Precipitation averaged near normal, but it occurred with such frequency as to keep the soil too wet to plow most of the time. There were several days of favorable weather in the last decade when considerable plowing and planting were accomplished; otherwise this work was seriously delayed. The full acreage of oats and potatoes could not be planted for this reason, while a considerable part of both crops was planted much later than desirable. The heavy rains near the middle of the month damaged apples and cherries, in bloom at that time, by washing away the pollen and thus preventing fertilization. Much fruit was not sprayed because orchards could not be entered with teams at the proper time on account of the saturated soil. The wet weather favored the formation of wheat rust, which appeared locally near the end of the month. Tobacco plants grew well and were plentiful.

TEMPERATURE.

The temperature for the State, 42 stations reporting, averaged 59.5°, which is 3.6° above normal. In the period 3d-17th mean daily temperatures ranged from 10° to 20° above normal on most days; while from the 18th to the end of the month they ranged from 3° to 10° below. On the first two days and also on the 20th and 23d, minimum temperatures near freezing occurred at most stations. The lowest temperatures of the 23d varied considerably, depending apparently on whether the station was so located as to be affected by air drainage, stations so affected registering the lowest minima. The extremes for the month ranged between 88° at Williamsburg on the 14th and 25° at Berea on the 2d.

PRECIPITATION.

The average precipitation for the State, based on the reports of 56 stations, was 4.24 inches, which is 0.30 inch above normal. The distribution over the State was quite irregular. Monthly amounts ranged between 4.0 and 7.0 inches in the extreme western counties, the southeastern district, and in the northern blue grass region. In the west-central counties and eastern mountain region, they ranged from 3.0 to 4.0 inches, being generally below normal. Rain in appreciable amounts occurred almost daily somewhere in the State from the 5th to 18th, while moderate to heavy showers were general in the periods 5-6th, 9th, 11th, 14-15th, 17th, and 25-28th. Rainfall was excessive at many stations on the 14th, accompanied by hail at several places in the northern counties. Amounts at the various stations ranged between 2.68 inches at Irvington and 7.13 inches at Middlesboro. Thunderstorms were reported on the 5th, 7th, 9th, 10th, 14th, 15th, and 17th.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
								Max. Velocity.*		
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Miles per hour	Direction.	Date.
Cairo ..... Ill.	30.02	30.51	20	29.35	11	8503	11.8	46	sw.	11
Cincinnati .....Ohio	30.08	30.46	20	29.28	11	6660	9.2	46	sw.	11
Evansville..... Ind.	30.06	30.51	20	29.32	11	9760	13.6	55	w.	11
Lexington ..... Ky.	30.09	30.51	20	29.39	11	12105	16.8	58	s.	11
Louisville .....Ky.	30.08	30.52	20	29.36	10	9967	13.8	54	s.	17

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo .....Ill.	74	57	57	287.0	394.8	73	15	1
Cincinnati .....Ohio.	76	54	67	250.5	397.4	63	10	4
Evansville.....Ind.	73	52	55	232.2	396.1	59	8	6
Lexington .....Ky.	76	62	.....	245.4	396.1	62	8	5
Louisville .....Ky.	76	55	64	267.9	396.1	68	17	5

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.				Precipitation.		
	Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Monthly average.	Departure from 30-year normal.	No. of days with 01 or more rain
1889	57.0	+ 1.1	89	24	1.61	−2.33	...
1890	57.0	+ 1.1	92	28	4.04	+0.10	...
1891	58.0	+ 2.1	92	24	2.52	−1.42	...
1892	56.0	+ 0.1	88	22	7.12	+3.18	...
1893	58.0	+ 2.1	94	21	6.99	+3.05	...
1894	56.0	+ 0.1	94	23	3.54	−0.40	...
1895	57.2	+ 1.3	94	22	3.18	−0.76	9
1896	63.6	+ 7.7	96	24	1.65	−2.29	6
1897	55.5	− 0.4	90	25	6.03	+2.09	11
1898	52.4	− 2.5	86	19	3.38	−0.56	9
1899	57.2	+ 1.3	96	20	3.16	−0.78	9
1900	56.2	+ 0.3	90	15	2.15	−1.79	8
1901	50.9	− 5.0	91	23	4.01	+0.07	10
1902	54.2	− 1.7	93	22	2.65	−1.29	9
1903	55.4	− 0.5	90	22	4.43	+0.49	12
1904	50.8	− 5.1	85	16	2.83	−1.11	11
1905	56.7	+ 0.8	91	23	3.60	−0.94	9
1906	59.5	+ 3.6	94	23	1.40	−2.54	6
1907	48.2	− 7.7	87	19	2.78	−1.16	11
1908	59.8	+ 3.9	89	23	6.56	+2.62	14
1909	56.1	+ 0.2	96	21	5.98	+2.04	10
1910	55.1	− 0.8	88	23	5.14	−1.20	14
1911	53.8	− 2.1	90	20	7.06	+3.12	14
1912	58.4	+ 2.5	87	25	7.30	+3.96	12
1913	55.3	− 0.6	89	27	2.73	−1.21	10
1914	55.7	− 0.2	92	13	3.62	−0.32	10
1915	60.1	+ 4.2	96	17	0.96	−2.98	5
1916	54.0	− 1.9	89	23	2.64	−1.30	9
1917	55.8	− 0.1	93	19	5.62	+1.68	8
1918	53.9	− 2.0	87	25	4.07	+0.13	12
1919	56.7	+ 0.8	89	19	3.51	−0.43	10
1920	50.8	− 5.1	89	22	6.16	+2.22	13
1921	58.2	+ 2.3	90	22	4.09	+0.15	10
1922	59.5	+ 3.6	88	25	4.24	−0.30	10

Climatological Data for April, 1922.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	18	61.1	+ 5.2	86	7	30	23	40	3.05	−1.07	0.90	0.0	8	20	3	7	s.	Miss Addie B. Taylor
Bardwell	Ballard	445	40	60.0	+ 2.6	81	6	37	20	30	4.51	−0.02	1.21	0.0	8	8	12	10	sw.	E. W. Horr.
Calhoun	McLean	437	19	61.7	+ 3.7	85	8	35	20†	36	3.74	−0.74	0.96	0.0	9	6	19	5	se.	W. A. Taylor.
Earlington	Hopkins	420	31	60.9	+ 3.6	84	8	31	23	37	3.50	−0.87	1.05	0.0	8	17	7	6	s.	Brick Southworth.
Greenville	Muhlenburg	519	5	*59.0	.....	84[a]	7†	29[a]	20	34[a]	3.47	.....	0.95	.....	8	11[a]	14[a]	4[a]	s.	C. R. Lovell.
Henderson	Henderson	327	13	.....	.....	.....	.....	.....	.....	.....	5.08	+1.65	0.90	0.0	13	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	25	59.0	+ 2.2	79	7	33	23	31	3.86	−0.49	1.24	0.0	9	14	8	8	s.	W. E. Graves.
Marion	Crittenden	571	23	60.8	+ 3.5	82	8	36	1	32	3.54	−1.04	1.20	0.0	7	9	12	9	sw.	B. C. Paris.
Mayfield	Graves	364	11	60.4	+ 3.2	82	6	36	23	34	5.94	+1.80	1.35	0.0	8	18	8	4	sw.	N. E. Douthit.
Owensboro	Daviess	479	25	59.5	+ 4.3	83	7	34	20†	34	4.15	+0.05	0.80	0.0	10	15	9	6	se.	Henry S. Berry.
Paducah (Lone Oak)	McCracken	516	5	62.0	.....	84	7	35	23	35	5.10	.....	1.13	0.0	8	15	11	4	s.	D. T. Hayden.
Paducah ¶	McCracken	341	33	61.8	+ 2.6	85	10	37	23	31	6.98	+2.65	1.54	0.0	10	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	11	59.9	+ 1.7	82	8*	33	20†	34	4.04	+0.04	1.45	0.0	8	16	5	9	s.	Dr. W. L. Cash.
Russellville	Logan	590	9	*60.0	+ 2.2	84[a]	8	30[a]	23	44[b]	4.15	−0.88	1.15	0.0	11	13[a]	3[a]	13[a]	s.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	21	57.9	+ 4.7	85	7†	29	23	38	5.14	+1.14	2.29	0.0	7	22	3	5	sw.	C. E. Barret.
Bardstown	Nelson	637	25	60.2	+ 4.9	84	7	30	23	37	3.13	−0.74	1.13	0.0	8	14	5	11	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	31	62.4	+ 4.3	86	7†	34	2†	37	4.75	+0.49	1.10	0.0	9	15	9	6	w.	Mrs. Lillie G. Causey.
Brandenburg	Edmonson	410	4	.....	.....	.....	.....	.....	.....	.....	3.98	.....	0.87	0.0	11	.....	.....	.....	.....	James H. Young.
Burnside	Pulaski	773	29	.....	.....	.....	.....	.....	.....	.....	4.63	+0.43	1.44	0.0	9	.....	.....	.....	.....	F. E. Bradshaw.
Camp Knox	Hardin	736	0	58.6	.....	84	7	35	23	30	3.68	.....	1.17	0.0	9	5	11	14	sw.	Signal Corps, U. S. A.
Carrollton (Cork No. 1	Carroll	492	22	.....	.....	.....	.....	.....	.....	.....	4.60	+1.42	1.07	0.0	14	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	8	.....	.....	.....	.....	.....	.....	.....	4.43	.....	0.79	0.0	12	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	27	58.6	+ 4.8	83	8	29	2†	33	4.35	+0.30	1.25	0.0	10	5	9	16	s.	Mrs. Katie Payne.
Frankfort	Franklin	500	28	59.7	+ 4.4	83	7†	32	23	34	4.30	+0.57	1.93	0.0	9	15	3	12	s.	Mrs. Amelia Wood
Franklin	Simpson	691	26	62.0	+ 2.9	85	7†	33	23	35	3.87	−0.74	0.85	0.0	11	8	18	4	s.	Volney Jameson.
Glasgow	Barren	788	0	60.4	.....	84[b]	7†	33[b]	2†	37[b]	4.23	.....	1.62	0.0	5	23[b]	1[b]	4[b]	s.	Dr. Fidella Edwards.
Greensburg	Green	581	29	55.7	+ 0.5	81	7	27	23	32	3.75	−0.10	0.95	0.0	10	9	7	14	s.	Mrs. Bettie K. H. Alcorn.
Hays Bridge	Jessamine	762	19	.....	.....	.....	.....	.....	.....	.....	3.52	−0.24	0.83	0.0	11	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	616	24	59.4	+ 3.9	83	8	32	23	31	2.68	−1.34	0.83	0.0	6	15	7	8	sw.	W. J. Piggott.
Junction City	Boyle	985	28	58.0	+ 3.5	84	7†	28	2†	38	5.01	+1.30	1.26	0.0	11	6	14	10	s.	Prof. E. L. Grubbs.
Leitchfield	Grayson	635	26	59.6	+ 4.2	83	7	32	23	34	3.58	−0.50	0.88	0.0	6	14	9	7	s.	John E. Stone.
Lexington	Fayette	989	34	57.0	+ 3.3	81	8	34	1	30	4.46	+1.12	2.49	0.0	9	12	5	13	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	49	59.3	+ 3.1	84	7	35	1	31	6.06	+1.99	3.01	0.0	8	11	9	10	s.	U. S. Weather Bureau.
Do (Cherokee Park)	Do	551	12	58.4	+ 2.5	84	7	34	2†	37	6.08	+1.80	2.14	0.0	11	13	9	8	s.	Wm. I. Hunt.
St. John	Hardin	777	25	58.4	+ 4.0	83	7	30	23	39	3.06	−0.81	0.85	0.0	7	18	3	9	.....	Sisters of Loretto.
Scott ¶	Kenton	900	24	56.4	+ 3.3	81	7	31	23	34	4.31	+1.13	1.04	T.	14	6	16	8	s.	E. B. Wilson.
Shelbyville	Shelby	825	32	58.5	+ 3.8	83	7	31	2†	31	4.62	+0.90	1.20	0.0	11	17	5	8	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	19	58.0	+ 3.5	82	7†	29	23	36	3.66	−0.71	1.63	0.0	12	18	4	8	s.	E. D. Bourne.
Williamstown	Grant	943	18	57.6	+ 4.8	83	7†	30	20	37	4.48	+1.15	1.00	0.0	10	16	6	8	w.	Mrs. E. S. Humlong.
Woodbury	Butler	533	4	.....	.....	.....	.....	.....	.....	.....	3.16	.....	0.84	0.0	8	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ages	Harlan	1250	0	.....	.....	.....	.....	.....	.....	.....	3.38	.....	1.05	0.0	10	15	7	8	sw.	Forester Farley.
Ashland	Boyd	534	3	59.8	.....	86	7†	28	23	39	3.79	−0.36	0.84	T.	10	8	10	12	s.	Mrs. Sabina E. Hall.
Beattyville	Lee	650	17	60.0	+ 6.1	86	8†	29	23	42	3.71	+0.02	1.10	0.0	7	16[b]	7[b]	5[b]	s.	F. C. Thompson.
Berea	Madison	1070	18	57.4	+ 2.1	85	8†	25	2	41	3.85	.....	1.85	0.0	8	.....	.....	.....	.....	P. H. Kehoe.
Catlettsburg	Boyd	684	4	.....	.....	.....	.....	.....	.....	.....	3.65	+0.18	1.00	0.0	11	12	7	11	s.	J. V. Oldham.
Falmouth	Pendleton	600	33	.....	.....	.....	.....	.....	.....	.....	4.90	+0.90	2.35	0.0	8	8	16	6	ne.	Mrs. Edna Tinsley.
Farmers	Rowan	668	13	59.1	+ 4.7	86	8	28	2†	43	3.59	+0.28	2.00	0.0	9	.....	.....	.....	.....	Jacob E. Lang.
Jackson	Breathitt	776	9	.....	.....	.....	.....	.....	.....	.....	3.34	0.09	0.82	0.0	10	10	13	7	w.	T. D. Snyder.
Louisa	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	3.34	0.09	0.82	0.0	10	10	13	7	w.	Harry M. Robinson.
Maysville	Mason	524	24	58.6	+ 5.0	83	7	34	2†	37	7.13	+2.34	1.65	0.0	14	22	6	2	.....	B. H. Perkins.
Middlesboro	Bell	1128	24	60.4	+ 4.2	84	14	30	2†	37	5.52	+1.69	1.61	0.0	12	19	4	7	w.	W. R. McKee.
Mount Sterling	Montgomery	930	32	57.6	+ 4.0	83	10	28	23	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chas. Folsom.
Olive	Greenup	510	2	.....	.....	.....	.....	.....	.....	.....	3.24	.....	0.80	0.0	7	.....	.....	.....	.....	Andrew M. Stanforth.
Owingsville	Campbell	443	0	.....	.....	.....	.....	.....	.....	.....	4.85	.....	1.11	0.0	12	.....	.....	.....	.....	I. M. Williams.
Pikeville	Pike	634	16	.....	.....	.....	.....	.....	.....	.....	2.86	−0.75	0.84	0.0	11	.....	.....	.....	.....	J. W. Crooke.
Richmond	Madison	926	27	61.0	+ 5.5	84	7†	32	2	36	2.77	−0.84	1.02	0.0	8	23	1	6	.....	Samuel Johnson.
Vanceburg	Lewis	525	5	.....	.....	.....	.....	.....	.....	.....	3.61	.....	0.88	0.0	10	.....	.....	.....	.....	Mrs. Ruth Inman.
Williamsburg	Whitley	930	24	61.0	+ 5.3	88	14	29	23	41	7.03	+2.63	1.76	0.0	11	8	9	13	n.	
State averages and extremes				59.5	.....	88	14	25	2	44	4.24	.....	3.01	0.0	10	14	8	8	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. ** Received too late to be included in means and summaries. T. Precipitation is less than 0.01 inch rain or melted snow.
¶Post-office address, Covington, Ky. *Temperature data by Evening Sun.

April 14.—A farmer was killed by lightning near Midway, Ky. A rainfall of 0.92 inch at Louisville, Ky. in 15 minutes flooded basements and raised Bear Grass Creek so high as to obstruct street car and interurban traffic in the eastern part of the city. A 7-year old boy was drowned in the flood waters of the creek. Windows were broken and fruit damaged by heavy hail near Eastwood, Jefferson County.

April 15.—A windstorm damaged trees, fences and buildings at Williamsburg, Ky.

Rivers.—The swell in the Ohio River at the beginning of the month increased the flooded condition in the lower course. At Evansville the river was above flood stage from the 5th to 10th. Another sharp rise was caused by the rains of the 14th and 15th, resulting in stages a few feet under the flood line in the section

Daily Precipitation for April, 1922.

Stations.	Day of month.																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam G						.40					.80				.25		.05								.05	.40	.20	.90				3.05
Blandville M					.44			.64		.27	T.			.47			1.00				T.				.32	1.61	.21					4.61
Calhoun G					.20				.56	T.	.69			T.	.60		.01				T.				.59	.11	.86	.02				3.54
Earlington G					.05	.29			.53		.51				.25							T.	T.		T.	.70	1.12	1.05				5.56
Greenville G						.44			.46		.50				.37										.80	.13	.95	.32				3.47
Henderson (L) O	.05				.05	.35			.57		.52			.90	.15		.33	.40							.60	.35	.06	.75				5.68
Hopkinsville C					.02	.34			.34		.56				.51							.12				.49	.24	1.24				3.86
Marion O					.57				.53		.26			.47	T.		.12	T.							.39	T.	1.20	T.				3.54
Mayfield M					1.35			.96			.73			.80											.53	.47	1.00	.10				5.94
Owensboro O					T.	.21			.45		.80			.28	.67		.43	T.			T.	T.			.07	.57	.06	.61				4.15
Paducah (Lone Oak) O					1.13				.89	1.00				.23			.44								.51	.10	.80					5.10
Paducah O					.54	1.16			.80		1.20				.40		.46								.22	.94	.82	1.54				6.98
Princeton G					.47			.61		.48		T.		.31							.01				.59	.12	1.45					4.04
Russellville G					.01	.20	.19		.29		.63	.81						.04				.07				.43	.33	1.15				4.15
Central Division.																																
Alpha C																																
Anchorage O					1.06				.08		.85			2.29			.26								.53		.07					5.14
Bardstown S						1.13			.46		.13				.60	.03	.02									.45		.31				3.13
Bowling Green G	.20				.02	.75			.35		.61				.60										.40	.72	1.10					4.75
Brownsville G	.06					.49			.63		.63		.52				T.	.03		T.	T.	.01			.47	.25	.87	.02				3.98
Burnside C	T.					.78	T.			.85	.65				.30		.12	.38	T.						.17	.44	1.44					4.69
Camp Knox** O					.51				T.		1.17			.03	.50		.17		.01		T.				.39	T.	.19	.11				3.08
Carrollton (Lock No. 1) O	.32					.57		T.	.32	.05	.63	.10		.12	1.07		.45	.14			.05	.07				.62		.09				4.60
Cloverport O	.02					.79			.43		.78	.01		.19	.38		.70				T.	T.			.01	.60	.11	.41				4.43
Eubank C	.32				1.04					.60	.32				.33		.03					.04			.30	1.21	.25					4.35
Frankfort K	.10					.73			.31	T.	.15	T.		1.93	.63						.05	T.			T.	.30	T.	.10				4.30
Franklin G					.31				.54		.71				.36		.03	.08				.08			.23	.82	.85	.41				3.87
Glasgow G					.53				.38		.20																1.62	1.50				4.23
Greensburg O						.85		T.	.28	.03	.35				.71		.03					.03				.30	.22	.95				3.75
High Bridge K	.25					.62			.25	.03	.45			.28	.83			.08								.49	.02	.22				3.52
Irvington O	T.								.33		.44			.83							T.				.52		.19					2.68
Junction City K	T.				.37				.33		.44										T.											1.14
					.60				.58		.56	.02			.68	.17		.08			1.26	T.			.25	.15	.66					5.01
Leitchfield G					.60				.53		.77			.32											.48		.88	T.				3.58
Lexington *** K					.81				.24		.42			2.49		T.	.01				.04				.36		.07	.02				4.46
Louisville*** O					.72				.34		.76			3.01			.45		T.		.01				.58		.19	T.				6.06
Po. (Cherokee Park) O					*	1.32			.39		.66			2.14	.49		.23								.61	.04	.10	.10				6.08
St. John S						.57			.48		.85			T.	.68										T.	.50	.03	.48				3.59
Scott L	T.				.17	.06	.23	.01	.43		.33			1.04	.68		.46	.14	T.		.05				.60	.02		.09				4.31
Shelbyville S						.41			.50		.37	.03		1.14	1.20		.16	T.			.05				T.	.49	.16	.11				4.62
Taylorsville S	.02				.22	.07			.39		.22			1.63	.52	T.					.09				.28	.02	.05	.15				3.66
Williamstown L						.92			.48		.31	.02		.16	1.00		.40				T.	.42			T.	.64		.13				4.48
Woodbury G					T.	.55			.37		.55				.30		.01					T.				.20	.25	.84				3.16
Eastern Division.																																
Ages K																																
Ashland O	.29					.26					.56	.04		.41	1.05		T.	.24				.14				.18		.21					3.38
Beattyville K	.27					.56				.26	.34			.18	.58			.21		T.						.37	.18	.84				3.79
Berea K					1.10				.60		.24		.95												.18	.15	.49	T.				3.71
Cynthiana L	.10					.70			.15	T.	.20	T.	.30		1.85		T.	T.		T.	T.	T.			T.	.50		.05				3.85
Falmouth L						.47			.43		.17				1.00		.43	.03			.02	T.			.08	.55		.17				3.65
Farmers L						.80			.14		.29			2.35	.70			.13								.86		.13				4.90
Jackson K																																
Louisa B	.28					.05				.06	.43			T.	2.00			.14				.08				.21	T.	.34					3.59
Maysville O	.10					.20			.15	.20	.50	T		.48	.82		T.	.14							T.	.55		.20				3.34
Middlesboro C	.58				.24	1.10			.20	.05	.45				.42	.03		1.01	.09			12				08	1.65	1.11					7.13
Mount Sterling L	.02					.76				.24	.50	T.		1.08	1.61		.05	.39				.13			T.	.41	.08	.25					5.52
Olicen O	.30					.48					.68			.49	.80			.19								.30							3.24
Oneonta O	.15					.20		.46	.35		.22	.05		1.11	.91		.33	.39				.07				.61							4.85
Pikeville B	.12					.12			.12		.18	.08		.06	.88			.58	.16							.22			.84				2.86
Richmond K					1.02				.15	.01	.28				.33	T.	T.					.04				.60	.02	.36					2.77
Vanceburg O	.02				T.	.65				.23	.40		T.	.59	.88		.02	.02							T.	.55	T.	.25					3.61
Williamsburg C	.48					1.66				.11	.57			T.	.80		.82	.02			.04				T.	T.	.76	1.76	.01				7.03

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

(L) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

: Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

from Catlettsburg to Louisville. In this rise the river was above flood stage at Cloverport on the 21st and 22d, at Evansville from the 19th to 26th, and at Paducah from the 24th to 29th. The Mississippi along the western border of the State, and the extreme lower course of the Ohio stood several feet above flood stage during the entire month. Green River was high but reached flood stage at Woodbury only, on the 4th. A part of Hickman, Ky. was flooded all of the month. The most serious effect of the protracted flood along the Mississippi and lower Ohio was the delay in plowing bottom lands.

Daily Temperatures for April, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	55	65	79	80	71	84	86	85	80	82	80	70	80	82	75	85	80	77	70	66	75	66	70	75	78	66	66	62	69	76	..	74.3
	Minimum	36	34	45	54	60	50	59	65	52	60	50	41	57	67	47	48	67	42	41	31	43	41	30	40	54	58	55	42	40	36	..	47.9
Blandville	Maximum	55	65	74	76	71	81	79	80	77	79	61	69	79	77	65	78	79	67	68	61	65	64	62	70	69	66	61	59	64	70	..	69.7
	Minimum	38	41	52	58	58	57	63	66	58	60	50	41	64	53	48	48	69	39	42	37	49	44	38	48	55	57	46	45	39	45	..	50.3
Calhoun	Maximum	57	65	81	81	77	83	84	85	81	82	78	70	81	80	75	83	80	76	68	65	71	66	64	72	76	67	65	60	66	72	..	73.5
	Minimum	37	36	45	55	60	51	57	67	59	64	53	41	54	70	47	49	67	42	45	35	48	43	35	46	55	57	48	44	42	46	..	49.9
Earlington	Maximum	54	65	78	79	74	81	83	84	79	81	78	70	80	81	70	83	80	75	68	64	72	65	66	74	70	71	64	64	74	73	..	73.3
	Minimum	36	34	42	54	57	51	59	66	57	57	52	41	58	70	47	51	68	41	40	33	47	42	31	46	52	57	47	44	40	36	..	48.5
Greenville	Maximum	49	65	72	71	...	75	84	84	82	78	81	69	80	79	76	79	77	75	66	61	74	68	68	74	71	64	64	64	73	78	..	*70.4
	Minimum	35	33	44	62	...	49	57	65	57	66	50	41	59	68	46	47	63	41	42	29	45	41	30	42	54	57	48	43	38	36	..	*47.5
Hopkinsville	Maximum	51	62	73	76	74	78	76	76	74	78	75	67	78	75	75	78	76	72	60	60	69	69	62	69	65	63	64	54	61	69	..	69.4
	Minimum	36	38	49	52	54	50	56	60	56	64	51	37	55	69	47	49	65	41	42	37	40	42	33	44	51	57	52	44	39	47	..	48.6
Marion	Maximum	55	66	75	77	72	80	81	82	81	80	78	70	79	78	66	81	78	72	67	62	71	64	64	70	68	67	62	61	66	72	..	71.5
	Minimum	36	38	51	60	58	57	64	67	57	67	51	42	63	52	47	51	63	40	45	37	50	43	37	43	54	57	47	44	39	43	..	50.1
Mayfield	Maximum	72	66	76	78	76	82	78	77	75	80	78	70	77	77	67	75	75	72	68	61	63	65	65	65	67	67	63	56	62	66	..	70.3
	Minimum	38	39	50	55	57	55	62	65	57	67	56	40	60	52	48	52	71	39	41	39	48	46	36	49	55	57	54	46	41	42	..	50.6
Owensboro	Maximum	58	65	78	79	71	80	83	82	79	80	66	68	80	78	72	80	78	62	64	61	69	66	65	70	65	62	56	63	67	73	..	70.5
	Minimum	36	38	48	55	63	52	60	66	59	56	54	40	54	64	46	46	55	42	46	34	40	42	34	45	50	55	50	43	42	41	..	48.5
Paducah (Lone Oak)	Maximum	57	65	79	78	76	83	84	84	80	83	78	72	78	80	68	81	82	75	68	62	71	64	60	75	71	67	69	62	68	75	..	73.1
	Minimum	38	40	51	59	58	58	65	67	59	67	51	42	60	72	45	52	68	41	45	38	48	47	35	46	57	57	52	44	42	47	..	50.8
Paducah	Maximum	59	69	80	81	74	81	82	84	84	85	66	73	75	76	68	79	81	73	70	65	74	66	60	76	66	67	66	61	68	76	..	73.0
	Minimum	39	41	52	55	57	54	57	68	56	59	52	42	61	52	47	49	62	42	46	40	53	44	37	48	54	58	53	44	45	48	..	50.5
Princeton	Maximum	56	62	77	76	73	80	80	82	77	78	78	68	80	76	66	82	75	73	68	61	72	65	64	71	66	64	64	60	65	74	..	71.1
	Minimum	37	36	47	52	59	50	55	66	58	62	51	40	60	55	48	48	70	40	42	33	48	43	33	42	54	58	51	44	40	43	..	48.7
Russellville§§	Maximum	55	65	79	79	72	80	83	84	77	79	59	72	81	82	65	82	77	64	67	64	74	60	68	77	65	66	59	60	70	72	..	*71.3
	Minimum	31	34	35	53	61	55	59	63	58	60	51	40	48	68	48	50	60	48	44	35	43	44	30	43	57	55	56	45	40	..	..	*48.7
Central Division.																																	
Anchorage	Maximum	56	61	77	81	68	78	85	85	79	82	75	65	81	73	67	82	77	65	67	65	67	59	64	73	58	73	62	61	67	73	..	70.9
	Minimum	35	31	43	43	55	52	53	65	57	55	47	43	45	51	43	47	59	42	42	30	41	34	29	41	52	55	47	37	37	36	..	44.9
Bardstown	Maximum	51	60	77	80	73	78	84	83	78	82	78	66	80	82	76	81	78	75	70	60	68	58	61	73	66	72	66	59	65	72	..	71.7
	Minimum	36	32	45	49	52	52	56	67	57	67	51	43	56	71	48	57	66	47	45	33	40	38	30	43	52	55	49	41	39	35	..	48.7
Bowling Green	Maximum	58	60	82	82	73	84	86	86	77	83	80	74	84	85	76	84	80	76	79	66	74	71	68	74	68	69	63	63	72	78	..	75.5
	Minimum	35	34	45	54	58	51	57	64	58	65	51	43	57	67	49	50	66	45	46	35	43	44	34	40	55	60	48	46	40	41	..	49.8
Camp Knox	Maximum	59	57	75	78	66	76	84	80	74	78	57	66	78	78	65	80	76	64	65	58	66	56	62	71	60	68	57	58	65	70	..	68.2
	Minimum	39	37	45	52	56	55	58	65	56	61	49	45	56	55	48	51	56	47	46	35	46	40	35	45	56	57	48	42	42	40	..	48.9
Eubank	Maximum	48	61	75	79	71	75	81	83	77	80	74	66	77	82	76	73	77	72	67	59	68	59	62	71	67	69	63	55	64	73	..	70.0
	Minimum	35	29	42	50	50	54	56	65	58	63	48	46	56	61	49	50	63	46	46	36	37	41	29	43	47	57	45	41	39	38	..	47.3
Frankfort	Maximum	55	67	75	77	71	75	83	83	80	82	79	64	80	81	77	80	79	77	67	57	62	61	60	69	68	70	65	58	65	70	..	71.2
	Minimum	36	33	45	48	57	57	53	67	59	66	53	45	46	64	47	47	67	47	47	37	41	39	32	41	50	56	48	40	40	38	..	48.2
Franklin	Maximum	54	67	79	78	75	82	85	84	79	82	78	72	82	85	77	80	82	79	70	68	76	72	65	73	72	67	63	58	66	71	..	74.0
	Minimum	37	35	48	53	58	54	59	63	57	65	49	42	60	69	49	50	51	44	45	34	46	52	33	43	56	59	51	44	54	40	..	50.0
Glasgow	Maximum	52	70	77	79	72	80	84	84	75	81	76	69	81	84	75	80	78	74	68	64	72	58	60	...	...	65	60	62	67	72	..	†72.1
	Minimum	37	33	49	54	58	55	60	66	57	65	50	42	59	65	60	50	60	46	40	34	42	44	33	...	...	42	45	38	40	40	..	†48.7
Greensburg	Maximum	45	60	69	73	72	67	81	78	76	75	75	60	75	75	75	78	74	73	60	60	60	59	57	65	65	64	63	52	61	68	..	67.0
	Minimum	34	29	41	43	51	49	51	63	56	54	47	44	51	69	48	46	44	45	41	31	34	39	27	34	47	55	45	42	38	33	..	44.4
Irvington	Maximum	54	61	75	78	72	76	82	83	78	78	70	64	75	79	64	79	78	74	66	59	67	57	63	72	65	70	65	57	64	71	..	69.9
	Minimum	37	37	47	55	59	53	59	67	58	65	50	42	57	59	46	48	67	44	46	36	45	40	32	46	54	47	48	40	40	43	..	48.9
Junction City	Maximum	48	59	76	77	69	77	84	82	79	80	81	66	78	84	77	77	79	74	67	58	65	59	63	72	65	72	64	57	65	66	..	70.7
	Minimum	34	28	38	44	50	54	53	68	58	60	49	43	55	55	47	46	64	46	41	33	32	38	28	36	42	56	46	41	37	37	..	45.3
Leitchfield	Maximum	54	64	77	77	70	80	83	82	76	80	75	66	79	82	75	81	77	73	67	61	67	54	64	70	66	67	64	59	67	74	..	71.0
	Minimum	35	34	43	52	57	52	57	64	57	65	50	42	58	59	47	48	66	44	45	34	42	41	32	41	53	57	45	41	40	43	..	48.1
Lexington	Maximum	43	59	73	77	68	73	81	81	72	80	74	61	77	80	61	76	77	59	63	54	56	51	57	65	59	66	56	55	62	69	..	66.4
	Minimum	34	37	48	57	56	56	60	66	56	62	45	43	55	50	45	48	57	45	41	35	43	36	40	46	55	55	44	39	37	47	..	47.7
Louisville	Maximum	53	59	76	79	67	76	84	83	78	79	78	64	80	78	64	79	77	63	65	59	64	75	62	70	59	71	58	60	65	72	..	69.2
	Minimum	35	39	49	58	57	55	61	70	58	67	47	44	60	51	46	51	53	45	45	39	45	46	40	46	54	56	46	41	40	46	..	49.4
Do. (Cherokee Park)	Maximum	51	58	75	76	67	76	84	83	78	80	78	64	80	78	64	80	78	62	65	60	64	78	61	70	59	71	54	59	65	72	..	69.0
	Minimum	35	34	43	52	56	53	58	67	55	65	50	44	59	63	48	46	60	45	46	38	45	37	34	43	53	55	40	39	37	39	..	47.9
St. John	Maximum	54	66	77	77	78	83	81	78	79	79	66	80	80	79	77	74	69	63	67	55	62	71	63	68	55	57	65	70	70	70.6
	Minimum	35	33	44	49	52	53	54	55	57	59	51	41	41	68	46	46	58	45	43	31	41	39	30	37	54	54	54	50	37	39	..	46.2
Scott	Maximum	50	59	73	77	68	75	81	80	76	80	75	61	78	74	63	78	76	73	65	55	60	53	61	67	59	65	61	60	62	70	..	67.5
	Minimum	34	32	45	51	53	55	57	61	58	64	45	41	45	55	44	46	58	43	45	33	41	35	31	46	49	53	42	36	35	36	..	45.4
Shelbyville	Maximum	50	58	77	78	70	78	83	82	76	81	74	64	80	78	74	79	76	75	66	61	64	62	61	70	63	70	65	57	64	71	..	70.1
	Minimum	35	31	46	51	56	55	56	64	57	62	47	43	49	61	44	48	63	45	45	34	41	35	31	41	53	54	47	38	36	40	..	46.9
Taylorsville	Maximum	49	58	67	77	68	75	82	82	76	81	75	64	79	79	75	78	79	74	66	58	64	61	61	70	61	68	66	57	64	70	..	69.1
	Minimum	36	31	42	46	55	55	53	62	58	59	50	45	47	64	46	47	68	46	45	34	41	38	33	43	52	49	47	40	39	39	..	46.9
Williamstown	Maximum	56	59	75	78	76	75	83	83	78	82	76	62	80	75	75	81	77	76	65	59	61	57	58	65	60	68	65	61	68	71	..	70.5
	Minimum	34	31	40	53	53	53	53	61	55	62	47	46	45	62	45	44	57	41	43	30	41	33	32	39	49	52	43	35	32	39	..	44.8
Eastern Division.																																	
Ashland	Maximum	69	59	78	79	80	75	86	84	81	86	84	63	82	85	83	80	82	81	69	65	69	55	65	69	67	69	67	57	64	71	..	73.2
	Minimum	37	33	42	41	50	54	53	62	60	55	56	48	53	63	50	42	54	51	39	38	44	38	28	36	46	43	39	35	...	...	..	46.3
Beattyville	Maximum	61	66	78	82	75	78	85	86	82	84	79	69	80	86	80	78	79	77	68	58	66	61	66	75	69	75	66	60	70	75	..	74.2
	Minimum	37	30	37	41	48	53	50	58	57	59	51	50	42	60	50	46	48	40	36	33	44	29	33	39	57	49	43	37	34	...	..	45.8
Berea	Maximum	47	61	78	78	80	84	84	85	75	85	75	68	80	80	85	78	78	58	58	67	64	54	52	73	63	70	61	58	66	70	..	70.4
	Minimum	32	25	40	42	50	51	53	64	54	64	42	40	51	50	44	46	42	42	42	31	36	37	28	36	47	45	41	38	33	...	..	44.3
Farmers	Maximum	62	63	74	79	71	79	85	86	80	84	80	65	83	83	80	81	85	81	66	63	62	50	63	70	67	68	65	62	68	70	..	72.8
	Minimum	36	28	37	40	51	53	52	61	61	62	53	46	40	70	50	47	65	46	46	36	28	28	28	34	42	56	47	42	32	34	..	45.4
Jackson	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	.....
Maysville	Maximum	56	59	75	77	76	76	83	82	74	81	74	62	80	78	73	79	79	74	69	56	61	55	61	67	61	66	62	58	65	72	..	69.7
	Minimum	37	34	44	49	53	58	54	64	61	62	51	44	44	64	49	42	65	43	48	36	39	37	34	37	49	56	46	43	37	38	..	47.5
Middlesboro	Maximum	57	66	75	80	74	75	79	83	79	81	78	72	77	84	81	74	79	75	69	67	68	62	65	72	70	68	67	58	65	72	..	72.4
	Minimum	38	36	38	46	48	49	55	65	65	65	53	49	51	60	54	50	59	53	50	36	42	39	33	45	50	56	42	39	36	44	..	48.5
Mount Sterling	Maximum	48	59	74	78	78	76	82	82	73	83	74	62	78	81	74	83	80	73	67	58	61	53	59	69	63	70	58	57	66	71	..	69.6
	Minimum	35	29	43	52	51	54	55	63	59	61	49	44	43	61	47	44	62	45	44	33	33	31	28	38	45	57	50	40	35	35	..	45.6
Richmond	Maximum	56	62	77	81	77	77	81	84	78	83	77	66	79	84	78	80	79	75	68	61	63	60	65	74	65	73	65	61	70	76	..	72.6
	Minimum	36	32	45	55	58	55	60	66	58	64	49	44	55	70	49	50	66	49	47	35	43	40	33	39	53	58	49	43	38	40	..	49.3
Williamsburg	Maximum	58	67	79	83	76	75	84	87	80	82	75	74	79	88	80	78	82	76	71	66	70	63	65	74	69	71	67	55	70	76	..	74.1
	Minimum	37	39	41	42	51	56	57	65	62	65	51	47	48	69	53	48	49	51	49	36	35	46	29	36	44	59	54	44	46	39	..	48.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, * one indicate respectively 1, 2, 3, etc., days missing from record.

UNIVERSITY OF ILLINOIS LIBRARY
JUN 28 1922

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., MAY, 1922. No. 5

GENERAL SUMMARY.

Except for the high temperature during the second week, which was rather severe on teams, weather conditions were exceptionally favorable for plowing and planting. The delay caused by the persistent wet weather of April preceding could not be entirely overcome, however, and farm work was still somewhat behind when the month closed. Showers during the first week interfered with plowing and planting, but progress was rapid after the 7th. The germination of corn was accelerated by the excess warmth, resulting in a uniform stand and a vigorous start in growth. The moderate temperature, showers, and cloudiness during the last two weeks were favorable for the growth and ripening of strawberries, which were unusually fine and abundant. This weather also caused marked improvement in potatoes, and in a measure offset the deficiency in precipitation. Transplanting tobacco began in the dark district during the second week, and was about three-fourths completed at the end of the month. In the burley district it began during the third week, and was about half completed when the month closed, being delayed somewhat from lack of rain. Wheat headed and improved generally, the dry weather and sunshine early in the month checking the rust and restricting it to small areas. Clover hay and the first crop of alfalfa were put up under satisfactory conditions for curing in most districts. Oats grew well, but the crop was late, weedy, and variable in condition. Although planted late, gardens improved so rapidly as to be nearly abreast of the season. Peaches were fine and other fruit was generally a fair prospect.

The deficient precipitation was more favorable than otherwise, as it permitted the maximum progress with farm work. Showers were general during the first week, but later they were local and mostly light.

TEMPERATURE.

The temperature for the State, 41 stations reporting, averaged 67.9°, which is 2.3° above normal. In the periods 7-13th daily temperatures averaged 5° to 13° above normal; while they were below normal from the 17th to 20th and near the end of the month. It was also quite warm for a few days following the 22d. On most nights temperatures below 60° were registered, and on a few nights they fell below 50°. The extremes were 94° at Bowling Green on the 11th, and 35° at Marion on the 1st.

PRECIPITATION.

The average precipitation for the State, based on the reports of 55 stations, was 3.87 inches, which is 0.08 inch below normal. The deficiency was greatest in a large area including most of the northern blue grass region and in the extreme western counties, where the monthly amounts ranged between 1.5 and 3.0 inches. In the district from the middle basin of the Green to the mouth of Salt River, also in the southeastern counties and most of the mountain region, amounts ranged from 4.0 to 9.0 inches. Moderate to heavy rains occurred in the period 1st-6th, and scattered local showers, varying greatly in amount, in the periods 10-13th, 17-19th, and 23d-27th. In the central and eastern counties the rain periods were better defined and the precipitation more general. Amounts at the various stations ranged between 1.50 inches at Frankfort and 9.39 inches at Beaver Dam. Thunderstorms were frequent, accompanied by hail on the 6th, 9th, 10th, 17th, 18th, and 25th.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity	Max. Velocity * Miles per hour	Direction.	Date.
Cairo ..... Ill.	29.92	30.28	1	29.47	18	5260	7.1	25	nw	18
Cincinnati ..... Ohio	29.97	30.38	1	29.33	18	4272	5.7	26	sw.	19
Evansville ..... Ind.	29.96	30.32	1	29.47	18	7162	9.6	40	w.	22
Lexington ..... Ky.	29.97	30.36	1	29.36	18	8611	11.6	40	w.	18
Louisville ..... Ky.	29.97	30.34	1	29.41	18	6480	8.7	36	s.	6

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	78	59	62	339.4	439.0	77	18	1
Cincinnati ..... Ohio.	76	54	62	268.6	444.0	60	8	4
Evansville ..... Ind.	72	49	58	294.4	441.4	67	11	1
Lexington ..... Ky.	74	53	.....	285.2	441.4	65	12	2
Louisville ..... Ky.	71	51	60	299.6	441.4	68	12	2

COMPARATIVE DATA FOR MAY.

Year.	Temperature.				Precipitation.		
	Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Monthly average.	Departure from 30-year normal.	No. of days with 0.01 or more.
1889	63.6	− 2.0	94	28	4.03	+0.08	..
1890	63.9	− 1.7	93	32	4.22	+0.27	..
1891	62.6	− 3.0	90	29	1.78	−2.17	..
1892	64.6	− 1.0	90	36	5.49	+1.54	..
1893	63.2	− 2.4	96	37	5.59	+1.64	..
1894	64.5	− 1.1	99	32	3.54	+0.41	..
1895	63.9	− 1.7	99	29	3.16	−0.59	8
1896	72.2	+ 6.6	106	42	5.34	+1.39	11
1897	61.4	− 4.2	92	32	3.27	−0.68	10
1898	67.6	+ 2.0	93	31	4.52	+0.57	10
1899	68.8	+ 3.2	94	42	4.79	+0.84	11
1900	66.3	+ 0.7	96	29	3.49	−0.46	10
1901	63.7	− 1.9	97	34	2.65	−1.30	10
1902	70.0	+ 4.4	98	35	3.55	−0.40	9
1903	68.0	+ 2.4	98	29	3.09	−0.86	8
1904	65.0	− 0.6	98	33	3.05	−0.90	10
1905	68.0	+ 2.4	95	38	5.23	+1.28	11
1906	69.5	+ 3.9	95	31	2.54	−1.41	9
1907	61.3	− 4.3	93	30	5.07	+1.12	12
1908	66.7	+ 1.1	96	28	4.34	+0.39	12
1909	63.9	− 1.7	93	27	4.64	+0.69	12
1910	61.1	− 4.5	89	30	4.81	+0.86	12
1911	69.4	+ 3.8	105	29	2.46	−1.49	5
1912	66.7	+ 1.1	95	35	4.35	+0.38	10
1913	66.1	+ 0.5	99	29	2.92	−1.03	8
1914	66.5	+ 0.9	103	32	2.16	−1.79	5
1915	65.2	0.4	95	35	6.62	+2.67	15
1916	67.2	+ 1.6	98	33	4.02	+0.07	9
1917	58.9	− 6.7	92	30	3.43	−0.52	10
1918	69.4	+ 3.8	97	28	4.29	+0.34	8
1919	63.9	− 1.7	95	35	6.05	+2.10	14
1920	64.2	− 1.4	94	32	4.08	+0.13	11
1921	65.9	+ 0.3	97	32	2.45	−1.50	8
1922	67.9	+ 2.3	94	35	3.87	−0.08	10

Climatological Data for May, 1922.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days. With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	18	69.2	+ 2.9	92	10†	41	1	36	9.39	+5.16	4.80	0	10	24	3	4	s.	Miss Addie B. Taylor
Blandville	Ballard	445	40	68.6	+ 2.0	85	10	50	19	27	2.72	−1.52	1.21	0	9	7	15	9	sw.	E. W. Horr.
Calhoun	McLean	437	19	69.1	+ 1.7	91	10	45	1	32	5.92	+2.31	1.78	0	9	11	13	7	e.	W. A. Taylor.
Earlington	Hopkins	420	31	68.8	+ 1.6	89	10†	43	1	35	2.48	−2.23	1.36	0	7	19	5	7	s.	Brick Southworth.
Greenville	Muhlenburg	519	5	*64.7	.....	87a	12	41a	1	31a	4.96	.....	2.00	0	12	9a	18a	3a	s.	C. R. Lovell.
Henderson	Henderson	327	13	.....	.....	.....	.....	.....	.....	.....	2.70	−1.24	1.15	0	7	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	25	67.1	− 0.5	92	10†	44	1	33	2.24	−1.99	1.03	0	7	14	9	8	s.	W. E. Graves.
Marion	Crittenden	571	23	69.3	+ 2.2	88	22	35	1	37	2.41	−1.88	1.51	0	4	8	18	5	sw.	B. C. Paris.
Mayfield	Graves	364	11	67.6	+ 1.2	84	26†	50	1†	29	1.73	−2.50	1.00	0	5	19	11	1	sw.	N. E. Douthit.
Owensboro	Daviess	479	25	68.0	+ 1.7	87	11	45	1	31	2.24	−1.60	1.07	0	7	17	7	7	se	Henry S. Berry.
Paducah (Lone Oak)	McCracken	516	5	70.2	.....	87	8†	50	2	28	2.08	.....	1.05	0	5	15	11	5	s.	D. T. Hayden.
Paducah *	McCracken	341	33	69.8	+ 0.1	89	11	49	1	29	2.80	−1.01	1.70	0	5	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	11	67.2	− 0.4	87	11	46	1	31	2.85	−2.28	0.80	0	11	14	13	4	s.	Dr. W. L. Cash.
Russellville	Logan	590	9	68.5	+ 2.1	89	11	37	1	37	2.89	−1.63	1.51	0	8	13	4	14	s.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	21	68.1	+ 4.0	90	24†	43	1	37	2.91	−0.93	1.21	0	8	18	9	4	sw.	C. E. Barret.
Bardstown	Nelson	637	25	66.6	− 0.4	90	10†	43	1	35	3.22	−0.31	1.37	0	8	13	6	12	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	31	70.3	+ 2.7	94	11	45	1	37	6.56	+2.31	2.40	0	9	14	10	7	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	4	.....	.....	.....	.....	.....	.....	.....	4.25	.....	1.10	0	11	.....	.....	.....	.....	James H. Young.
Burnside	Pulaski	773	29	.....	.....	.....	.....	.....	.....	.....	7.41	+3.42	1.46	0	14	.....	.....	.....	.....	F. E. Bradshaw.
Camp Knox	Hardin	736	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Signal Corps, U. S. A.
Carrollton (Lock No. 1)	Carroll	492	22	.....	.....	.....	.....	.....	.....	.....	3.43	−0.61	0.78	0	12	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	8	.....	.....	.....	.....	.....	.....	.....	2.55	.....	1.46	0	6	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	27	66.3	+ 2.1	87	9	40	1	35	6.46	+2.51	3.06	0	11	17	5	9	e.	Mrs. Katie Payne.
Frankfort	Franklin	560	28	68.8	+ 3.6	88	9†	42	1	33	1.60	−2.31	0.63	0	6	23	3	5	s.	Mrs. Amelia Wood
Franklin	Simpson	691	26	69.4	+ 2.4	91	10	46	1	34	4.33	+0.28	1.24	0	9	7	21	3	s.	Volney Jameson.
Glasgow	Barren	788	0	68.8	.....	92	11	45	1	33	3.33	.....	0.95	0	9	22	4	5	s.	Dr. Fidella Edwards.
Greensburg	Green	581	29	65.0	+ 0.2	85	12†	39	1	35	3.72	−0.57	0.98	0	13	7	6	18	s.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	19	.....	.....	.....	.....	.....	.....	.....	2.67	−1.18	0.50	0	10	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	24	68.6	+ 2.3	86	9†	47	1	28	5.01	+1.60	1.78	0	12	14	7	10	sw.	W. J. Figgott.
Imperial City	Boyle	985	28	66.9	+ 2.4	88	9	39	1	40	5.35	+1.60	1.28	0	16	11	14	6	se.	Prof. E. L. Grubbs.
Leitchfield	Grayson	635	26	68.0	+ 2.5	88	10†	46	1	30	4.02	+0.02	1.11	0	9	15	11	5	n.w.	John E. Stone.
Lexington	Fayette	989	34	68.4	+ 4.1	87	9	52	20	25	3.10	−0.42	0.80	0	13	12	9	10	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	49	69.3	+ 2.6	88	11	50	1	25	2.17	−1.47	0.75	0	10	12	11	8	s.	U. S. Weather Bureau.
Do. Cherokee Park	Do.	534	12	67.4	+ 1.7	88	11	45	1	30	2.28	−1.60	0.70	0	10	16	11	4	s.	Wm. I. Hunt.
St. John	Hardin	777	25	67.6	+ 2.9	90	10	46	1†	33	5.51	+1.53	1.10	0	12	24	3	4	.....	Sisters of Loretto
Scott ¶	Kenton	900	24	66.5	+ 2.7	86	9	46	1†	33	2.87	−1.19	0.84	0	11	7	16	8	s.	E. B. Wilson
Shelbyville	Shelby	825	32	68.0	+ 3.0	88	9†	44	1	35	4.64	+0.52	1.80	0	9	13	12	6	w.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	19	67.0	+ 2.4	91	24	39	1	40	3.62	+0.04	1.68	0	10	16	7	8	s.	L. D. Bourne.
Williamstown	Grant	943	18	67.1	+ 3.5	89	9	42	1	34	4.05	+0.49	1.31	0	10	13	10	8	se.	Mrs. E. . Humlong.
Woodbury	Butler	533	4	.....	.....	.....	.....	.....	.....	.....	6.15	.....	1.39	0	12	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	3	67.3	.....	88	24	40	1	36	4.05	.....	0.93	0	12	14	4	13	sw.	Forester Farley.
Beattyville	Lee	690	17	67.6	+ 3.4	90	9	37	1	43	4.86	+0.69	0.86	0	15	10	12	9	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	67.8	+ 2.6	91	23	41	20	45	3.38	−0.68	1.02	0	9	22	7	2	e.	F. C. Thompson.
Cynthiana	Harrison	684	4	.....	.....	.....	.....	.....	.....	.....	1.85	.....	0.65	0	5	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	33	.....	.....	.....	.....	.....	.....	.....	2.68	−0.99	1.20	0	8	15	11	5	se.	J. V. Oldham.
Farmers	Rowan	668	13	66.9	+ 3.2	90	9	37	1	41	3.48	−0.58	0.96	0	8	11	15	5	ne.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Louisa	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	3.52	−0.70	1.10	0	12	.....	.....	.....	.....	T. D. Snyder.
Maysville	Mason	524	24	68.0	+ 2.9	89	9	42	1	36	3.58	−0.47	0.70	0	8	10	11	10	e.	Harry M. Robinson.
Middlesboro	Bell	1128	24	66.6	+ 1.9	88	9†	39	1	36	5.81	+1.60	1.23	0	12	15	15	1	.....	R. H. Perkins.
Mount Sterling	Montgomery	930	32	66.8	+ 2.7	89	25	44	1	34	2.66	−1.63	0.52	0	16	15	6	10	w.	W. R. McKee.
Olive	Greenup	540	2	.....	.....	.....	.....	.....	.....	.....	4.81	.....	1.01	0	11	.....	.....	.....	.....	Chas. Folsom.
Owenton	Campbell	443	0	.....	.....	.....	.....	.....	.....	.....	3.00	.....	0.75	0	10	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	631	16	.....	.....	.....	.....	.....	.....	.....	4.56	+1.35	1.12	0	12	.....	.....	.....	.....	I. M. Williams.
Richmond	Madison	996	27	69.1	+ 3.5	90	9	48	1	31	5.51	+1.93	2.00	0	12	15†	2b	12b	.....	J. W. Crooke
Stanford	Lincoln	925	5	.....	.....	.....	.....	.....	.....	.....	6.35	.....	3.05	0	8	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	960	24	67.8	+ 1.5	90	9	40	1	39	4.29	+0.21	1.14	0	15	15	8	8	w.	Mrs. Ruth Inman.
State averages and extremes		.....	.....	67.9	.....	94	11	35	1	45	3.87	.....	4.80	0	10	14	10	7	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, *, appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Associated dates. ‡ Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.

¶ Post office address, Covington, Ky. *Temperature data by Evening Sun.

MISCELLANEOUS

May 5.—Bridges and roads were washed away along headwater streams in Pike and Letcher counties.

May 9.—A stock barn at Lexington was destroyed by lighning with a loss estimated at $500,000. Twenty-six valuable race horses were lost. A farmer was killed by lightning near Pewee Valley.

May 19.—A man was killed near Henderson while driving cattle on a railroad during a heavy hailstorm.

May 20.—Several houses and barns were unroofed, and one person was injured, by a windstorm near New Haven, Ky.

May 27.—An excessive rain in northern Warren County caused a washout on a small creek in which several houses were carried away.

Rivers:—The Ohio at Cairo and the Mississippi along the western border were above flood stage from the 1st to the 7th, but they fell slowly and reached moderate stages by the end of the month. In general the river declined slowly in all sections, reaching pool stages in the upper and middle stretches.

ERRATA. April, 1922: St. John, monthly precipitation should be 3.59. Average precipitation for the State should be 4.25, and departure from the normal +0.21.

Daily Precipitation for May, 1922.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam			1.40		.64		.40						.55		.09				.16				.15			.35	1.80	.95				
Blandville	.21	T.	T.			.13						.32																				
Calhoun	.45	.56	1.78			.77						T.		T.		.02	T.									.01	.21					
Earlington		1.36					.27							T.	.23		T.	.08	.35				.51		T.	.31	.39					
Greenville	.95	.14			.70							.01		.12	.04			.27						.16		T.	.08	T.				
Henderson		1.15				.15												.08	.20				.12		.10	.90					
Hopkinsville		1.03			.11	.25							.49	.01				.06					.29								
Marion	1.51													T.			T.	.23			T.	.54			.13		T.				
Mayfield	.00	.23			.05							.15																			
Owensboro		1.07			.05		.24											.04	.65					.15		.04	T.				
Paducah (Lone Oak)	1.05	.47				.10								.06								.40									
Paducah		1.70											.54	T.					.16				.26			T.		.14			
Princeton	.80	.29	.18		.20							.42		.22		.15	.15					.10			.31		.63				
Russellville		1.51					.20						.40		.02				.11				.48			.10	.07				
Central Division.																																
Anchorage	.30	.43	.08		T.			.04		T.	1.21			T.		T.		.24							.29	.32					
Bardstown		.52									.06	.20						.25	.44							1.37		.20			
Bowling Green		1.42		.05		.18							2.40						.15		.10				1.00		.64	.35			
Brownsville		1.10	.02	.09		.31				T.	.20		.75				T.		.25						.27	.67	.32	.27			
Burnside		.54	.62	.49	.23					.12		.36	.26					.09	.26				1.46	1.28	.30	1.29	.11				
Camp Knox**																																
Carrollton (Lock No. 1)			.78	.08	T.	.17			.12	.32	.62	.27						.01	.20		.12					.64	.10				
Covington		1.46	.01	.10						T.		T.					T.		.63				T.	T.	.28	.67					
Eubank		.55	.04	.46	.05				.10		3.06	.30						.70	.60						.08	.52					
Frankfort		.63		T.					.06			.02						T.	.12					T.	T.	.55	.12				
Franklin	1.24	.63	.07		.56							.11									.06	.07			.50	1.09					
Glasgow	.45	.15	.01	.02								.60					.40	.40													
Greensburg		.52	.35	.01								.02	.18				.98	.02	.17				.37		.03	.56	.56				
High Bridge		.40		.25					.14				.05					.29	.50						.95	.35					
Irvington	.26	.50	.11	.68	.06							.48					1.78	.82	.09			.09		.41	.12	.39	.12				
Junction City	.08	.54	1.28	.43	.06				.16	.01	.20						.05	.23	.13	.02		.14	.28		1.21	.53	T.				
Leitchfield	1.11		.12		.23					T.	.61						.44	.38					.04	.94	.15	T.				
Lexington	.36	.10	.80		.02		.05	.56	T.	.01							.02	.07					.01	.31	.63	.16					
Louisville	.57	.18	T.		.02		T.	.08	.03	.14		T.	T.	.21	.28						T.			T.	T.	.46	.20				
Pee (Cherokee Park)	*	.70			.04		.05	T.	T.	.70				.02	.28	T.									.05	.21	.23				
St. John		1.10		.40	T.	.11				.27		.52	T.				.48	.30	.68				.34		T.	.61	.02	.68				
Scott	T.	.66			.13			.43	.02		T.			T.	T.	T.	.18			.11			.12	.30	.84	.05	.03				
Shelbyville		.75	.12	.59		.18				T.	T.	.40					1.80	.18								.53	.09				
Taylorsville	.07	.52	.36	.03	.04		T.	T.	.43	.16				T.	T.	.22	T.							T.	.11	1.68					
Williamstown		.96		.01				.32	.14	1.31	.18													.21	.19	.57	.22				
Woodbury		1.38		.11		.64						.85		.03			.19	.20					.20		.06	1.39	.50	.60			
Eastern Division.																																
Ashland		.39	.43	.22	.12				.15	.57	.41	.93					.12	.06	.38								.27				
Beattyville		.42	.18	.54	.05					.16	.60	.08					.02	.22	.38	T.				.06	.58	.35	.86	.36				
Berea	.23	.30	.20	.20					T.					.52				.40					.48	1.02	.03						
Cynthiana		.65				.10			.65		T.						T.		T.	T.			T.	T.		.40	.05	T.				
Falmouth		.67				.34			1.20	.09	.07							.05								.07	19	T.				
Farmers		.27	.60																													
Jackson									.19		.30	.35							.96						.42	.39					
Louisa																																
Maysville		.36	.31	.05	.15	.01			T.	.16	.56	1.10	.02				.09	T.	.54							.17	T.				
Middlesboro		.54	T.	T.					.63	.20	T.	.68	T.		T.	T.	T.	T.	.40												
Mount Sterling		.67	1.28	.75	.75				.46	.14	.36					.10		.88							.18	.25	.70				
		.38	.02	.24	.09	.05			.02	.50	.22	.52					.02	.17	.17	.05				.13		.33	.01				
Oliver																								.15	.03	.03						
Oneonta		.58	.66	.35	.08				.82	.10	.15	1.01					.16	T.	.51												
Pikeville		.64							.75	.02	.35	.11					.31		.05								.39				
Richmond		.18	.86	.32	.24					.28	.32	1.12					.06	.12	.54						.21	.29	.27				
Vanceburg		.39	.77	.42				T.	.36		.27	T.				T.	.01	.23	.18				.28			.18					
Williamsburg		.45		.06					1.30			.28				.34			.36				2.00	.18	.08	.62					
		45	1.14	.23	.17	T.			.07	.45	.28	.25					T.	.25	.33							.51	3.05				

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

Daily Temperatures for May, 1922.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	70	75	75	80	80	75	80	85	87	92	92	89	81	80	80	84	75	72	74	80	85	89	85	90	83	87	85	83	84	85	89	82.3
	Minimum	41	57	60	55	54	54	55	51	62	65	64	64	57	52	50	55	53	52	51	44	54	59	62	64	64	61	52	53	53	55	55	56.0
	Mean	56	66	70	70	76	71	78	84	82	86	84	79	78	76	75	75	73	72	75	78	81	78	78	83	81	82	83	81	80	81	84	77.7
Blandville	Maximum	70	66	70	70	76	71	78	84	82	86	84	79	78	76	75	75	73	72	75	78	83	83	81	86	85	82	82	81	81	86	88	80.0
	Minimum	53	58	59	54	54	54	61	60	59	65	67	65	67	58	56	53	57	55	50	51	59	62	64	64	65	64	65	60	59	60	65	59.5
	Mean	62	62	65	62	65	63	70	72	72	76	76	72	73	67	66	64	65	64	63	65	71	73	73	75	75	73	74	71	70	73	77	69.8
Calhoun	Maximum	74	76	71	76	77	75	77	83	86	91	90	85	80	76	76	80	74	69	73	78	83	83	81	86	85	82	82	81	81	86	88	80.0
	Minimum	45	60	62	55	55	57	56	57	65	62	64	65	60	67	62	57	55	53	52	49	58	60	63	65	67	66	62	58	55	56	56	58.2
	Mean	60	68	67	66	66	66	67	70	76	77	77	75	70	72	69	69	65	61	63	64	71	72	72	76	76	74	72	70	68	71	72	69.1
Earlington	Maximum	75	68	72	78	78	74	80	86	86	89	89	84	81	79	77	80	74	71	71	80	83	85	82	87	84	87	84	83	84	86	88	80.8
	Minimum	43	54	60	54	52	55	56	54	68	65	64	65	57	54	50	55	55	52	52	45	59	57	61	63	67	65	63	57	53	52	53	56.8
	Mean	59	61	66	66	65	64	68	70	77	77	76	74	69	66	63	67	64	61	61	62	71	71	71	75	75	76	73	70	68	69	70	68.8
Greenville	Maximum	41	53	59	52	50	55	53	66	...	61	62	62	58	52	48	53	50	50	50	45	57	57	59	59	63	61	60	56	52	52	53	255.0
	Minimum	46	52	61	56	55	57	57	56	63	64	65	65	59	55	50	56	54	51	51	48	56	59	65	65	66	63	61	60	56	52	52	77.5
	Mean	68	66	67	68	70	73	83	89	87	92	92	85	83	81	73	78	73	66	70	74	75	75	78	82	80	81	78	76	80	80	79	*74.4
Hopkinsville	Maximum	44	56	58	53	49	53	58	56	70	61	63	61	66	58	54	55	53	49	45	46	61	57	61	62	64	62	62	59	54	53	55	56.7
	Minimum	72	67	71	74	76	73	79	83	84	83	85	82	79	76	78	79	72	72	74	78	83	88	79	84	81	83	82	81	82	85	87	79.1
	Mean	58	62	65	64	63	63	69	70	77	72	74	72	73	67	66	67	63	61	60	62	72	73	70	73	73	73	72	70	68	69	71	67.9
Marion	Maximum	35	61	60	58	55	62	58	57	68	67	68	69	58	55	54	58	56	55	58	76	81	76	77	77	76	84	84	82	84	80	80	76.7
	Minimum	67	67	68	72	75	73	76	82	82	82	82	79	73	73	70	73	73	75	78	76	81	76	77	77	76	84	84	82	84	84	86	78.5
	Mean	50	58	60	55	55	60	61	59	68	64	64	65	65	64	62	65	64	65	68	76	79	73	73	76	76	82	84	82	84	82	83	77.6
Mayfield	Maximum	76	69	71	76	75	70	66	81	84	86	87	83	78	73	76	79	73	69	69	76	82	85	85	88	85	86	86	83	84	88	90	80.3
	Minimum	46	52	61	56	55	57	57	56	63	64	65	65	59	55	50	56	54	51	51	48	56	59	65	65	66	66	63	58	55	54	55	57.5
	Mean	61	61	66	66	65	64	62	69	74	75	76	74	69	64	63	68	64	60	60	62	69	72	75	77	76	76	75	71	70	71	73	69.1
Owensboro	Maximum	45	52	61	56	55	57	57	56	63	64	65	65	59	55	50	56	54	51	51	48	56	59	65	65	66	66	63	58	55	54	55	57.5
	Minimum	46	52	61	56	55	57	57	56	63	64	65	65	59	55	50	56	54	51	51	48	56	59	65	65	66	66	63	58	55	54	55	57.5
	Mean	74	70	71	74	74	73	76	73	74	74	77	74	71	67	64	68	64	61	61	62	68	72	75	77	76	76	73	70	68	69	70	68.8
Paducah (Lone Oak)	Maximum	52	60	60	60	58	55	60	59	68	68	67	67	58	58	54	58	54	57	51	53	62	62	63	68	67	66	66	61	58	64	64	60.3
	Minimum	73	64	74	73	76	73	84	87	87	88	89	83	84	74	70	73	71	75	75	81	80	80	76	81	86	84	84	82	87	81	87	79.7
	Mean	63	62	67	67	67	64	72	73	78	78	78	75	71	66	62	66	63	66	63	67	71	71	70	75	76	75	75	72	73	73	76	70.0
Paducah	Maximum	49	53	62	58	56	60	61	60	66	66	65	64	57	56	56	58	55	56	53	52	56	56	58	62	64	63	62	59	58	61	60	59.8
	Minimum	70	66	71	73	77	70	80	80	83	86	87	78	78	75	69	69	69	69	70	78	80	76	78	82	84	85	85	82	84	84	86	77.1
	Mean	60	60	67	66	67	65	71	70	75	76	76	71	68	66	63	64	62	63	62	65	68	66	68	72	74	74	74	71	71	73	73	68.9
Princeton	Maximum	46	57	60	54	52	55	58	56	59	61	63	64	60	58	50	57	55	50	48	47	61	60	62	65	65	65	64	59	56	56	56	57.3
	Minimum	74	70	72	77	75	73	81	86	86	87	89	83	79	80	77	81	69	73	74	81	80	87	84	83	85	88	81	82	82	84	85	80.3
	Mean	60	64	66	66	64	64	70	71	73	74	76	74	70	69	64	69	62	62	61	64	71	74	73	74	75	77	73	71	69	70	71	68.8
Russellville§§	Maximum	37	56	60	55	54	56	60	55	64	64	65	63	60	51	50	56	52	53	50	45	60	58	61	64	65	64	61	58	53	53	54	56.7
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Mean	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Central Division.																																	
Anchorage	Maximum	79	75	72	79	78	75	76	80	88	87	89	87	79	80	77	82	72	69	66	77	84	86	85	90	81	82	82	80	82	82	90	80.4
	Minimum	43	55	59	58	53	51	52	48	59	60	61	65	59	52	51	54	57	56	51	47	53	57	63	63	66	66	62	55	50	50	53	55.8
	Mean	78	78	73	79	78	73	79	81	89	90	88	90	81	81	80	71	68	62	57	68	73	75	78	77	71	72	70	70	75	72	79	76.0
Bardstown	Maximum	43	57	60	60	58	52	56	51	59	65	62	66	62	53	55	58	58	55	51	47	52	58	61	64	66	67	62	56	51	52	55	57.2
	Minimum	76	71	73	80	80	73	83	89	91	92	94	90	80	82	82	79	83	74	74	76	84	82	90	87	92	83	86	84	85	85	85	83.0
	Mean	45	55	61	58	57	52	60	52	62	65	67	64	60	64	53	55	54	54	51	48	59	60	62	63	64	66	62	58	54	55	56	57.6
Bowling Green	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Mean	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Camp Knox	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Mean	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Eubank	Maximum	75	72	70	73	74	73	78	81	87	86	83	82	79	76	76	78	75	68	68	76	82	84	84	83	75	75	79	77	80	82	83	77.9
	Minimum	40	55	59	58	56	48	58	51	55	62	58	61	61	54	52	54	52	55	50	44	51	51	59	60	63	63	61	57	46	50	50	54.7
	Mean	58	64	65	66	65	61	68	66	71	74	71	72	70	65	64	66	64	62	59	60	67	68	72	72	69	69	70	67	63	66	67	66.4
Frankfort	Maximum	75	76	74	77	77	74	75	77	88	87	87	87	78	79	77	79	76	77	65	77	82	85	88	87	84	79	81	79	80	85	88	80.0
	Minimum	42	56	60	59	59	52	59	48	56	62	62	65	64	51	52	55	55	59	54	50	53	69	63	61	67	66	67	59	53	52	55	57.6
	Mean	58	66	67	68	68	63	67	62	72	74	74	76	71	65	64	67	65	68	59	63	67	77	75	74	75	72	74	69	66	68	71	68.8
Franklin	Maximum	74	70	72	77	77	74	82	84	88	91	89	86	81	79	77	79	71	75	76	82	76	86	85	88	82	85	85	80	81	85	84	80.6
	Minimum	46	56	60	57	55	55	61	55	66	66	67	64	61	54	53	56	55	56	52	48	60	59	62	64	66	66	63	59	54	55	57	58.3
	Mean	60	63	66	67	66	64	72	70	77	78	78	75	71	66	65	68	63	66	64	65	68	72	73	76	74	76	74	70	68	70	71	69.5
Glasgow	Maximum	75	70	71	71	76	74	78	80	85	87	92	85	78	82	76	82	72	71	72	81	82	82	87	86	82	84	85	82	84	85	88	80.2
	Minimum	45	56	60	59	59	56	54	56	56	58	66	62	58	52	54	54	57	55	51	48	58	60	61	66	66	65	65	58	58	58	58	57.4
	Mean	60	63	66	66	67	66	66	68	71	73	79	74	68	67	65	68	65	63	62	65	70	71	74	76	74	75	75	70	71	72	73	68.8
Greensburg	Maximum	39	59	58	58	57	47	56	46	54	65	59	60	57	49	52	53	54	54	50	43	49	55	57	59	60	63	62	58	47	48	50	53.7
	Minimum	75	72	72	78	75	73	76	80	86	86	86	81	77	76	75	78	72	66	67	75	80	83	81	84	79	81	80	78	79	81	84	77.9
	Mean	57	66	65	68	66	60	66	63	70	76	73	71	67	63	64	66	63	60	59	59	65	69	69	72	70	72	71	68	63	65	67	65.8
Irvington	Maximum	75	72	72	78	75	73	76	80	86	86	86	81	77	76	75	78	72	66	67	75	80	83	81	84	79	81	80	78	79	81	84	78.1
	Minimum	4	59	61	60	56	59	58	56	65	68	68	67	67	54	54	57	58	54	54	49	54	61	62	66	67	66	64	58	57	57	58	59.3
	Mean	76	72	71	73	75	71	77	81	88	87	85	87	79	73	86	81	74	70	69	83	85	85	86	85	80	77	80	78	80	81	84	79.1
Junction City	Maximum	39	54	59	58	56	55	60	46	52	63	60	63	62	50	50	51	52	54	51	43	54	57	58	57	64	64	62	52	45	60	55	54.7
	Minimum	74	69	71	78	76	71	79	83	85	88	88	88	81	79	75	74	79	70	66	69	77	82	83	81	86	73	80	80	81	83	86	78.3
	Mean	57	62	65	68	66	63	70	65	69	76	74	76	72	65	63	63	66	62	59	56	66	70	71	69	75	69	71	66	63	72	71	66.5
Leitchfield	Maximum	46	57	59	58	56	53	58	53	63	66	64	65	60	55	54	58	57	53	52	48	55	62	62	65	64	64	64	57	53	54	56	57.8
	Minimum	76	75	69	75	73	71	72	76	87	84	81	83	77	74	74	79	71	68	64	72	81	83	86	84	76	78	78	75	79	83	86	77.2
	Mean	61	66	64	67	65	62	65	65	75	75	73	74	69	65	64	69	64	61	58	60	68	73	74	75	70	71	71	66	66	68	71	67.5
Lexington	Maximum	53	60	59	59	57	59	58	55	62	62	64	66	62	59	58	59	57	53	52	59	61	59	64	66	66	65	60	57	58	60	60	59.5
	Minimum	75	72	70	77	76	74	76	77	87	85	88	82	77	78	75	79	69	66	65	75	83	84	80	85	77	79	81	79	81	84	84	78.1
	Mean	64	66	65	68	67	67	67	66	75	74	76	74	70	69	67	69	63	60	59	67	72	72	72	76	72	72	71	68	70	72	72	68.8
Louisville	Maximum	71	71	73	76	74	74	76	77	87	85	88	82	77	78	75	79	79	59	59	55	54	52	58	61	67	68	66	65	62	58	58	55	62	60.5
	Minimum	50	60	60	61	59	58	61	57	64	68	67	68	64	58	59	59	59	55	54	52	58	61	67	68	66	65	62	58	58	55	62	61.0
	Mean	61	66	67	69	67	66	69	67	76	77	78	75	71	68	67	69	69	57	57	54	56	57	63	65	67	67	64	62	60	57	60	58.0
Ho (Cherokee Park)	Maximum	75	71	70	75	75	74	75	79	84	85	88	79	75	74	74	76	69	65	64	75	81	83	78	84	76	79	81	79	80	83	82	78.0
	Minimum	45	57	60	59	57	54	59	52	57	63	63	66	62	54	54	56	59	56	53	52	53	59	62	64	67	66	64	57	53	54	56	57.8
	Mean	60	64	65	67	66	64	67	66	71	74	76	73	69	64	64	66	64	61	59	64	67	71	70	74	72	73	73	68	67	69	69	67.9
St John	Maximum	75	70	73	79	79	72	77	80	86	93	89	87	79	75	78	81	71	67	68	77	82	84	80	85	76	80	80	77	79	83	87	78.9
	Minimum	46	55	57	57	56	51	53	53	60	65	63	62	60	54	52	57	56	51	52	46	53	52	60	63	64	63	63	57	52	52	54	56.2
	Mean	60	62	65	68	67	61	65	66	73	79	76	74	69	64	65	69	63	59	60	61	67	68	70	74	70	71	71	67	65	67	70	67.5
Scott	Maximum	74	72	71	75	76	72	75	77	86	86	81	83	77	76	75	80	69	66	63	72	78	79	83	85	78	79	77	75	80	85	85	76.9
	Minimum	46	56	59	58	57	52	56	46	55	63	64	64	61	50	53	52	57	56	52	53	57	56	60	60	64	64	63	54	51	52	56	56.1
	Mean	60	64	65	67	67	62	66	62	71	75	73	74	69	63	64	66	63	61	58	63	68	68	72	73	74	72	70	65	66	69	71	66.5
Shelbyville	Maximum	77	75	72	77	76	72	76	78	88	88	88	87	79	79	78	81	76	70	65	76	83	84	86	87	82	81	80	78	80	86	84	79.7
	Minimum	44	57	60	58	56	53	55	50	60	63	61	64	60	52	52	55	55	55	51	48	52	59	63	61	65	64	65	55	52	52	52	56.4
	Mean	61	66	66	68	66	63	66	64	74	76	75	76	70	66	65	68	66	63	58	62	68	72	75	74	73	73	73	67	66	69	68	68.1
Taylorsville	Maximum	71	71	73	76	74	73	79	88	86	86	82	76	76	75	80	72	70	69	77	81	84	83	91	80	78	79	77	81	83	87	87	78.6
	Minimum	39	55	61	59	58	51	51	48	48	63	60	65	62	51	51	56	59	56	52	48	50	58	62	60	61	64	62	57	50	49	53	55.5
	Mean	55	63	67	68	66	62	65	68	67	75	71	71	69	63	66	64	65	63	65	65	67	71	77	70	70	72	70	69	67	68	70	67.0
Williamstown	Maximum	75	76	73	77	75	74	74	78	89	85	83	85	77	76	76	80	73	70	65	75	81	83	88	87	81	80	80	78	82	84	88	78.0
	Minimum	54	54	57	56	55	52	54	48	55	60	61	63	59	51	52	58	53	53	51	51	56	55	58	60	63	62	61	54	52	51	54	55.2
	Mean	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Eastern Division.																																	
Ashland	Maximum	76	78	75	74	71	74	77	77	85	85	82	87	76	75	77	77	68	65	66	78	81	81	86	88	88	77	79	76	79	81	82	78.3
	Minimum	40	53	60	59	55	53	68	46	48	62	59	60	63	55	47	55	56	54	57	50	54	56	57	63	66	66	66	59	52	52	54	56.3
	Mean	58	66	68	67	63	64	73	62	67	74	71	74	70	65	62	66	62	60	62	64	68	69	72	76	77	72	73	68	66	67	68	67.3
Beattyville	Maximum	80	80	75	78	76	76	79	85	90	89	87	87	80	80	81	77	77	72	70	79	85	87	88	82	80	84	78	81	84	84	84	81.3
	Minimum	37	56	59	60	58	51	54	45	50	60	60	59	63	50	44	54	55	57	51	47	53	56	58	63	63	63	63	49	49	51	53	53.9
	Mean	59	68	67	69	67	64	67	65	70	75	74	73	72	65	63	66	66	65	61	63	69	72	73	73	72	74	71	65	67	68	69	67.6
Berea	Maximum	75	76	70	78	74	74	76	81	90	88	85	86	86	84	81	80	81	76	74	75	86	82	85	91	85	78	81	80	78	81	85	80.8
	Minimum	45	58	59	58	56	51	60	50	58	61	65	60	60	53	50	53	54	51	47	41	49	57	57	59	65	60	58	56	48	50	50	54.8
	Mean	60	67	65	68	65	63	68	66	74	75	75	73	73	69	66	67	68	64	61	58	68	70	71	76	75	69	70	68	63	66	68	67.8
Farmers	Maximum	77	78	75	74	78	75	79	80	90	88	88	87	79	79	76	78	80	70	69	75	80	87	87	85	80	83	79	76	78	81	85	79.9
	Minimum	37	51	60	59	57	49	60	43	49	62	59	60	62	49	44	52	58	52	56	51	48	53	55	58	64	64	63	53	46	46	50	55.9
	Mean	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Jackson	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Mean	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Maysville	Maximum	74	77	73	79	76	73	76	76	89	85	85	88	79	77	77	81	71	69	66	75	81	84	88	88	83

UNIVERSITY OF ILLINOIS
AUG 8 1922

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., JUNE, 1922. No. 6

GENERAL SUMMARY.

High temperature, local and generally deficient precipitation, with drought in large districts, characterized the weather conditions. In the northeastern counties and in the lower Green River basin drought became well defined early in the month, while at its close the area in which crops were suffering for rain included more than half of the State. Cool weather and dry soil were unfavorable for germination and growth of corn during the first week. This was followed by a long period of high temperature that continued in the western counties until the end of the month, but was modified somewhat by the cooling effect of local showers during the last decade in the central and eastern districts. Where moisture was sufficient, the excess warmth caused marked advancement in corn and early tobacco; but in the dry areas growth of both crops was slow and much of the last setting of tobacco died. Cultivation was generally satisfactory and somewhat cleaner than usual because of the favorable weather for eradicating weeds. The dry, warm weather prevented complete filling and caused premature ripening of wheat and rye. Harvest commenced earlier than usual, beginning in the southern counties on the 6th, in the central belt on the 10th, and at the extreme north on the 14th. Thrashing followed about two weeks later, with weather conditions favorable and the grain dry and sound, but with yields decidedly disappointing. Setting late tobacco was delayed, and in some districts prevented, by dry weather; but the total acreage planted was large. Early potatoes matured too quickly, with unsatisfactory yields in most districts and practically a failure of the crop in the driest localities. Oats headed short and made a poor crop. Timothy hay harvest commenced in the southern counties during the last week, with the weather favorable for curing. Gardens and pastures were in fair condition, but needed rain badly when the month closed.

TEMPERATURE.

The temperature for the State, 40 stations reporting, averaged 75.4°, which is 1.7° above normal. Except for a few days in the last decade, mean daily temperatures were almost continuously above normal after the 5th. Maximum temperatures of 96° or higher were reached nearly every day during the last three weeks, occurring most generally in the western counties. Minimum temperatures were low in the periods 1st-6th and 23d-25th. The extremes were 100° at several stations on the 15th, 16th, and 17th; and 44° at Farmers on the 23d.

PRECIPITATION.

The average precipitation for the State, based on the reports of 56 stations, was 3.10 inches, which is 1.08 inches less than normal. The distribution was very irregular, amounts for the month recorded in adjoining counties differing by 2.0 to 3.0 inches. It is also noteworthy that the dry areas in the northern blue grass region and in the extreme western counties coincided in a large measure with the dry districts in May preceding. There was a marked deficiency in the north-central and northeastern counties, and from the lower basin of the Green to the mouth of the Ohio, where monthly amounts ranged between 1.5 and 3.0 inches. About 20 counties in the northeastern part of the State received less than 2.0 inches. In the southern counties, and in the district from Hancock to Jefferson, amounts ranged from 3.5 to 6.0 inches; but the normal June rainfall was exceeded at only a few stations. Scattered showers occurred during the first decade, being fairly general on the 9th; also in the periods 12-14th, 17th-21st, and 26-29th. Amounts at the various stations ranged between 0.35 inch at Vanceburg and 6.86 inches at Greenville. Thunderstorms were frequent at all stations, and were attended by hail in a few instances.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.97	30.17	24	29.80	27	4831	6.7	31	sw.	26
Cincinnati ..... Ohio	29.59	30.20	24	29.73	11	4311	6.0	32	nw	28
Evansville ..... Ind.	30.00	30.20	24	29.83	27	6476	9.0	46	n.	13
Lexington ..... Ky.	30.00	30.22	24	29.84	11	7367	10.2	46	n.	11
Louisville ..... Ky.	30.01	30.24	13	29.83	11	6511	9.0	59	nw.	13

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	80	53	58	376.9	440.1	86	21	0
Cincinnati ..... Ohio.	77	53	58	277.6	446.0	62	12	4
Evansville ..... Ind.	77	49	61	299.4	443.0	68	10	0
Lexington ..... Ky.	78	57	.....	282.8	443.0	64	11	3
Louisville ..... Ky.	75	61	68	269.4	443.0	61	11	2

COMPARATIVE DATA FOR JUNE.

Year.	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with .01 in. or more rain.
1889	70.6	− 3.1	99	38	5.27	+1.09	..
1890	78.4	+ 4.7	101	51	4.96	+0.78	..
1891	77.1	+ 3.4	97	51	4.48	+0.30	..
1892	75.8	+ 2.1	101	48	4.23	+0.05	..
1893	73.3	− 0.4	97	46	4.64	+0.46	..
1894	75.6	+ 1.9	102	35	2.69	−1.49	..
1895	75.9	+ 2.2	104	47	3.63	−0.55	..
1896	73.5	− 0.2	98	46	4.64	+0.46	10
1897	73.4	− 0.3	101	41	3.61	−0.57	9
1898	76.2	+ 2.5	101	45	3.90	−0.28	9
1899	76.1	+ 2.4	100	44	2.80	−1.38	8
1900	73.9	+ 0.2	100	40	6.14	+1.96	14
1901	75.6	+ 1.9	104	42	3.97	−0.21	9
1902	73.4	− 0.3	101	39	4.75	+0.57	11
1903	68.6	− 5.1	96	37	3.61	−0.57	10
1904	73.2	− 0.5	99	48	3.14	−1.04	11
1905	74.8	+ 1.1	106	45	4.49	+0.31	10
1906	73.9	+ 0.2	99	42	4.53	+0.35	11
1907	70.2	− 3.5	95	41	4.91	+0.73	11
1908	73.4	− 0.3	102	43	4.36	+0.18	7
1909	74.5	+ 0.8	99	43	5.03	+0.85	14
1910	70.0	− 3.7	99	36	5.20	+1.02	10
1911	76.2	+ 1.5	106	45	4.06	−0.12	10
1912	70.2	− 3.5	95	38	3.55	−0.63	10
1913	75.0	+ 1.3	107	38	2.87	−1.31	7
1914	78.3	+ 4.6	108	45	2.30	−1.88	5
1915	71.7	− 2.0	95	42	4.79	+0.61	12
1916	70.1	− 3.6	99	45	4.94	+0.76	11
1917	70.9	− 2.8	100	39	4.30	+0.12	10
1918	73.6	− 0.1	104	37	3.63	−0.55	8
1919	76.7	+ 3.0	103	51	4.00	−0.18	10
1920	71.9	− 1.8	100	44	3.32	−1.66	7
1921	77.8	+ 4.1	100	46	2.90	−1.28	8
1922	75.4	+ 1.7	100	44	3.10	−1.08	9

Climatological Data for June, 1922.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days. With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Western Division.																				
Beaver Dam	Ohio	441	18	76.0	+ 1.8	97	16‡	50	4	44	3.59	+0.42	1.00	0	8	18	6	6	s.	Miss Addie B. Taylor
Brandville	Ballard	445	40	76.3	+ 1.3	96	14	54	4	30	2.18	−2.18	0.86	0	9	9	18	3	sw.	E. W. Horr.
Calhoun	Mclean	437	19	77.4	+ 2.0	98	16†	54	4	34	2.56	−1.03	1.01	0	9	8	19	3	sw.	W. A. Taylor.
Earlington	Hopkins	420	31	77.0	+ 1.3	98	17†	51	4	42	3.03	−0.40	1.47	0	12	20	9	1	s.	Brick Southworth.
Greenville	Muhlenburg	519	5	74.2	.....	99[b]	17	50[b]	4	44[b]	6.86	.....	4.40	0	11	7[b]	21[b]	0[b]	s.	C. R. Lovell.
Henderson	Henderson	327	13	.....	.....	.....	.....	.....	.....	.....	3.55	−0.56	0.80	0	7	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	25	75.5	+ 0.3	106	16	51	4	32	3.79	−0.49	1.16	0	12	15	5	10	se.	W. E. Graves.
Marion	Crittenden	571	23	77.0	+ 2.1	95	14	57	4	28	2.76	−0.89	0.71	0	7	14	11	5	w.	B. C. Paris.
Mayfield	Graves	364	11	75.6	+ 1.2	95	14	51	5	34	4.11	+1.51	2.35	0	6	17	12	1	sw.	N. E. Douthit.
Owensboro	Daviess	479	25	76.2	+ 2.1	96	16†	54	4	32	1.72	−1.85	0.32	0	11	15	5	10	se.	Henry S. Berry.
Paducah, Lone Oak	McCracken	516	5	78.7	.....	98	17‡	56	4	33	2.04	.....	0.91	0	4	15	11	4	s.	D. T. Hayden.
Paducah,*	McCracken	341	33	79.7	+ 1.8	100	15‡	55	1	35	3.63	−0.89	1.22	0	5	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	11	75.1	0.9	96	17	53	4	31	3.21	−0.51	1.25	0	10	7	19	4	s.	Dr. W. L. Cash.
Russellville	Logan	590	9	75.6	+ 0.6	97	17	51	4†	42	3.30	+0.16	1.11	0	9	13a	8*	13a	s.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	760	21	75.0	+ 3.1	96	24	52	4†	44	2.29	−1.34	0.65	0	9	13	14	3	sw.	C. E. Barret.
Bardstown	Nelson	637	25	74.1	− 0.5	96	16†	51	23	38	2.88	−1.46	0.96	0	10	16	3	11	s.	Chas. M. Talbott.
Bowling Green	Edmonson	560	31	77.9	+ 2.1	100	16	54	4	40	5.22	+1.35	1.24	0	11	12	8	10	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	4	.....	.....	.....	.....	.....	.....	.....	3.81	.....	0.99	0	11	.....	.....	.....	.....	James H. Young.
Burnside	Pulaski	773	29	.....	.....	.....	.....	.....	.....	.....	4.64	+0.26	1.74	0	10	.....	.....	.....	.....	F. E. Bradshaw.
Camp Knox	Hardin	736	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Signal Corps, U. S. A.
Carrollton(Lock No.1	Carroll	492	22	.....	.....	.....	.....	.....	.....	.....	2.20	−1.39	0.92	0	9	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	8	.....	.....	.....	.....	.....	.....	.....	4.89	.....	1.52	0	9	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	27	72.9	+ 1.5	91	16†	49	23†	41	4.30	+0.22	1.15	0	11	7	8	15	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	28	75.9	+ 2.8	97	17	52	23	36	2.49	−1.71	1.35	0	8	20	5	5	s.	Mrs. Amelia Wood
Franklin	Simpson	691	26	77.0	+ 2.1	99	17	56	4†	36	3.54	−0.43	1.70	0	10	9	19	2	s.	Volney Jameson.
Glasgow	Barren	788	0	76.7	.....	97	16†	56	24	35	3.98	.....	1.65	0	11	22	4	4	s.	Dr. Fidella Edwards.
Greensburg	Green	581	29	72.9	0.4	93	16†	47	23	41	2.69	−1.76	0.50	0	13	6	8	16	s.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	19	.....	.....	.....	.....	.....	.....	.....	3.38	−0.54	0.84	0	13	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	24	75.2	+ 1.5	93	17	53	4	29	3.82	−0.17	1.04	0	11	14	10	6	sw.	W. J. Piggott.
Junction City	Boyle	985	28	74.1	+ 2.5	94	17	45	1†	44	3.21	−0.50	0.76	0	13	12	18	0	s.	Prof. E. L. Grubbs.
Leitchfield	Grayson	635	26	74.7	+ 1.8	94	17	52	4	36	2.46	−1.53	0.82	0	10	13	14	3	sw.	John E. Stone.
Lexington	Fayette	989	34	74.6	+ 1.4	91	17	60	13	25	2.44	−1.55	0.78	0	9	10	7	13	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	49	75.5	+ 1.2	93	17	58	13	30	4.00	−0.28	2.73	0	9	9	16	5	s.	U. S. Weather Bureau.
Do. Cherokee Park	Do.	534	12	73.6	+ 0.6	90	17†	56	23	33	3.52	−0.04	1.85	0	10	13	14	3	sw.	Wm. I. Hunt.
St. John	Hardin	777	25	74.6	+ 2.3	95	17	52	4†	36	3.56	−0.44	1.30	0	10	23	1	6	.....	Sisters of Loretto.
Scott¶	Kenton	900	24	73.0	+ 1.4	94	17	49	23	38	1.14	−2.54	0.23	0	9	8	15	7	s.	E. B. Wilson.
Shelbyville	Shelby	825	32	75.0	+ 1.5	97	17	54	23	37	1.43	−3.03	0.68	0	9	12	9	9	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	19	74.2	+ 1.7	95	16	48	23	42	1.87	−2.39	1.25	0	8	13	7	10	s.	E. D. Bourne.
Williamstown	Grant	943	18	74.7	+ 3.5	96	16	54	23	37	1.45	−2.39	0.29	0	8	15	11	4	w.	Mrs. E. S. Humlong.
Woodbury	Butler	533	4	.....	.....	.....	.....	.....	.....	.....	4.00	.....	1.28	0	10	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	3	74.9	.....	94	30	50	23	36	2.60	.....	0.75	0	10	18	2	10	sw.	Forester Farley.
Beattyville	Lee	650	17	75.6	+ 3.0	94	16†	50	23	42	3.17	−1.37	1.05	0	12	11	11	8	w.	Mrs. Sabina L. Hall.
Berea	Madison	1070	18	73.8	− 0.9	94	16	48	23	42	6.17	+1.62	1.61	0	10	23	4	3	s.	F. C. Thompson.
Cynthiana	Harrison	684	4	.....	.....	.....	.....	.....	.....	.....	1.55	.....	0.50	0	7	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	33	.....	.....	.....	.....	.....	.....	.....	2.00	−2.17	0.52	0	10	12	10	8	se.	J. V. Oldham.
Farmers	Rowan	668	13	.....	.....	.....	.....	44	23	.....	2.27	−2.27	0.62	0	7	12	12	6	sw.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	.....	.....	.....	92	17	.....	.....	2.61	−1.39	1.40	0	7	17	13	0	s.	Dr. Don. Fortune.
Louisa	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	3.45	−1.59	0.84	0	12	.....	.....	.....	.....	T. D. Snyder.
Maysville	Mason	524	24	75.5	+ 2.6	98	17	53	23	40	1.48	−2.85	0.70	0	7	15	6	9	w.	Harry M. Robinson.
Middlesboro	Bell	1128	24	74.0	+ 1.8	93	17	52	24	39	6.58	+2.04	2.45	0	14	18	11	1	.....	B. R. Perkins.
Mount Sterling	Montgomery	930	32	74.8	+ 2.4	96	27†	47	23†	45	1.50	−3.63	0.65	0	9	14	9	7	w.	W. R. McKee.
Oliver	Greenup	540	2	.....	.....	.....	.....	.....	.....	.....	2.75	.....	1.12	0	7	.....	.....	.....	.....	Chas. Folsom.
Oneonta	Campbell	443	0	.....	.....	.....	.....	.....	.....	.....	1.56	.....	0.63	0	5	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	631	16	.....	.....	.....	.....	.....	.....	.....	2.60	−1.89	0.72	0	8	.....	.....	.....	.....	I. M. Williams.
Richmond	Madison	926	27	75.6	+ 2.2	93	16†	56	23†	37	3.44	−0.50	0.68	0	13	21	1	8	.....	J. W. Crooke.
Rockwood	Lewis	525	5	.....	.....	.....	.....	.....	.....	.....	0.35	.....	0.20	0	3	.....	.....	.....	.....	Samuel Johnson.
Vanceburg	Lewis	525	5	.....	.....	.....	.....	.....	.....	.....	4.24	−0.31	0.88	0	16	14	8	8	sw.	Mrs. Ruth Inman.
Williamsburg	Whitley	939	24	75.0	+ 1.5	96	17	49	23	41	3.10	.....	4.40	0	9	14	10	6	s.	
State averages and extremes				75.4	.....	100	15†	44	23	45										

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, b represents two days, etc.
T. Precipitation is less than 0.01 inch rain or melted snow.
a Also on other dates. b Received too late to be included in means and summaries.
¶Post-office address, Covington, Ky. *Temperature data by Evening Sun.

MISCELLANEOUS

June 8.—A rainfall of 1.13 inches in 15 minutes at Louisville flooded basements, rendered streets temporarily impassable for street cars and automobiles, and caused a serious cave-in on a large sewer.

June 11.—Two persons were overcome by heat at Louisville. In Owen County a man and wife were killed when their house was destroyed by wind. Numerous farm buildings were demolished and telegraph and telephone communication was interrupted. Heavy hail that damaged crops accompanied this storm.

June 17.—Four men were killed and five injured by a bolt of lightning that struck a shed in which the men had taken refuge near Valley Station, Jefferson County.

June 19.—Damage estimated at $25,000 was caused by a washout at Springfield.

June 27.—Heavy hail occurred locally at Berea but without serious damage to crops.

June 29.—Seven head of cattle were killed by lightning, and crops damaged by heavy rain in Adair County.

Rivers:—Stages were low in all streams, including the Ohio, during the month.

Daily Precipitation for June, 1922.

Stations.	Day of month.																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam						.55			.10					.83				.80	.15								.11	.05	1.00			3.59
Blandville							.10	.12	.08	.03		.01						.79	.86	.15							.64	T				2.65
Calhoun			T.			.02	.49	.07	.04	T.	T.		1.01	T.			.29	.22	T	T.	.11						.31	T		T		2.06
Earlington			.31			.09		.02	.22	.07			.07	1.47				.15	.07	.51	.02								.03	T	T	3.06
Greenville			.18			.09		.11	.09				.78				.01		.40		.37						.40		4.40	.02		6.86
Henderson								.75				.05	.80					.65			.40						.70		.20			3.55
Hopkinsville		.38	.10					.80	.16	.03		.04	T.					.04	.15	.04	.06								.83	1.16		3.79
Marion						T.		.71	.29	T.	T.	.42	.20				.35	.56		.23								T			2.76
Mayfield			.08						.05								.01	1.32		2 .35							.30				4.11
Owensboro			T.					.10	.02		T.	.32	.14					.25	.27	.21	.15					.05	.15	T	.66		1.72
Paducah (Lone Oak)							.91			.35										.65									13		2.04
Paducah								1.15	T.	.20									1.22	.80									26		3.63
Princeton		T.		30		.24	.05	.11	.33	.01		.40	.17		T.	T.	.85	T	1.25						T.		T.	T			3.21
Russellville			.01			.27			.77	.08				.74				.06	.23	.03									1.11		2.30
Central Division.																																
Anchorage		.17					.27	.42	.26				.25				T.	T.		.09						T	.09	.65	.09			2.29
Bardstown		.14					.28	.02	.67			.02		.18				.16		.30	.15								.96			2.88
Bowling Green		.05					.33	.03		.52	.50			.60				.58			.15						.10	T	1.24	1.12		5.22
Brownsville		.14		.09		.50	.20		.90	.38				.22				.20	.03									.12	.99			3.81
Burnside		.62		T.	.11		.11	T.	.75	.65				.10			.40	.04	T									1.21	.74			4.64
Camp Knox**																																
Carrollton (Lock No. 1)			.02					.92	.16			.26		.27							.10						.02	.05	.40			2.20
Cloverport						T.	T.	.02	.08	T.		T.	.38	.85			1.52	.18	T							.10	1.16		.60			4.89
Eolia		.68	.02			.55	.08		.93	.15				.35			.16	.18								.05		1.15			4.30
Frankfort		.25	.03				T.	.03	1.35			.31		.26							.02							.24			2.49
Franklin		.05	.06			.27		.15	.51				.14				.37	.17	.12									1.70			3.54
Glasgow		.35				.01	.04	.08	.40				.10					.45	.55	.10								.25	1.65			3.98
Greensburg		.31	.01	.03			.30	.03	.50	.39				.15				.46	.07		.03							.12	.29			2.69
High Bridge		.36	.02				.10		.70	.02		.48		.81				.10		.06	.10					.09	.02	.38			3.38
Irvington		T.	T.			T.	.06	.22	.19				1.04	.29			.65	.02		.29						.41	.02		.63			3.82
Junction City		.02	.42	.19	.01		.30		.56	.76			.22	.35				.01		.26							.05		.12			3.21
Leitchfield		.05		.39		.14		.04	.18				.82	T			.32	.23		.09								.20			2.46
Lexington		.08	.39	.01	T.		.18	T.	.50	.02		.78	.25				T			T								.13		T	2.44
Louisville			.04	T.		T.	.54	2.19	.03	T.	T.		.29				T.	T.		.20					.11	.06	.03				4.60
Do. (Cherokee Park)			.12					1.85	.06				.24					.04		.22	T.				.05	.18	.20	.56			3.52
St. John			.01	T		T.	.35	.55	.26	T.		T.		.35		.34		.36	.04		1.30					T	T.	.20			3.56
Scott		.12	T.			T.	.12	.02		.06		.19								.09					T.	.23	.23	.08	T.		1.14
Shelbyville		.04		T.			.09	.08	.07				.16							T.	.04					.03	.02	.30			1.43
Taylorsville	T.	.13				T.	T.	1.25	.63		T.	.23			T.	.10	.65			.05					.03	T.		.27	.08			1.87
Williamstown		.20	.03					.29	.22				.26				.10														1.46
Woodbury		T.		.20		.12			.44	.14			.25				.39	.03	T.	.12						T.	1.28	1.03			4.00
Eastern Division.																																
Ashland		.39	.07	.78	.07	T.			.15	.43		.53		.07				.11											.03			2.00
Beattyville		.68	.30	.16	T		T.		1.08		.05			.35			.05	.22	.05													3.17
Berea		.80	1.60	.20		.02			.40			.44	.13	.49														.09	.03	.11			6.17
Cynthiana		.25	T.	.15			T.	T.	.10			.35	.15	.65				.50								1.56	.53					1.55
Falmouth		.38	.02	.52					.20			.20		.20				.15											T			2.00
Farmers		.62		.19	.15				.26						T.			.22									.17	.09	.07			2.27
Jackson									.20																		.53		.30			2.61
Louisa		.44	.05	.02	.17	.30			.20					.21	.10		.20	.40								1.40		.10			3.45
Maysville		.70	.10	.08	T.			T.	.06	.17				.01				.04			.01					.01	.67				1.48
Middlesboro		.60		.40	.03	.61		.41	.26	.10				.14			T.									T.	.16				6.58
Mount Sterling	.20	.01	.65	.02	T.	.06	T.	T.	.85	.01		.21	2.45	.14			.13	.26	.25									.02				1.50
Oliver		.52		.42	.16			1.12	.12		.35																					2.75
Oneonta		.17		.27				.11																				.12			1.56
Pikeville		.12	.72		.38			.12	.18									.62								T.	.38	.63			2.60
Richmond	T.	.60	T.	.11	.35	.03	.07	T.	.68	.10		.34		.22			.08	.01								.28	.18				3.44
Vanceburg					.13				.62	.26																.40		.33			6.35
Williamsburg		.70	.19	T.	.35		.26	.01	.18	.35		.18		.88			.12	.07	.15	.02	.04								.05	.69		4.24

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

Daily Temperatures for June, 1922.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	83	81	81	85	88	88	85	89	85	89	92	94	94	92	95	97	97	85	91	85	88	87	91	95	96	95	92	91	90	96	..	90.1
	Minimum	62	62	61	59	54	60	64	67	67	66	73	73	64	61	63	70	76	69	62	65	61	61	63	59	61	59	57	61	69	66	62	..	62.0
	Maximum	79	83	77	80	84	86	86	85	86	82	90	88	88	90	94	74	73	72	75	83	66	66	66	67	64	59	62	66	68	69	68	67	..	86.8
Blandville	Minimum	59	59	60	54	56	61	64	67	68	67	74	74	74	74	73	72	75	63	66	66	66	67	65	64	59	62	60	68	69	68	67	..	65.8
	Maximum	78	83	80	84	87	87	88	84	88	88	92	94	92	92	92	98	96	88	83	88	85	85	86	96	94	90	94	90	90	88	..	88.7
Calvert	Minimum	61	61	60	54	55	61	67	69	70	71	73	72	68	72	66	71	70	71	70	70	64	66	67	68	68	64	64	65	69	67	67	..	66.1
	Maximum	80	85	80	84	87	87	90	86	87	89	93	95	96	97	97	98	85	86	82	89	87	88	95	94	94	94	85	92	89	98	..	89.4
Earlington	Minimum	62	64	58	51	52	60	65	65	67	67	74	70	67	71	66	75	75	69	65	66	62	62	54	53	58	59	61	67	69	67	67	..	64.5
	Maximum	81	76	74	82	83	82	78	77	77	80	85	89	93	91	95	95	99	..	88	84	86	86	77	95	93	91	86	88	91	..	..	..	..	85.9
Greenville	Minimum	62	60	55	60	52	60	65	65	67	67	74	70	67	71	66	75	75	69	65	66	62	62	54	53	58	59	61	67	64	..	..	..	..	62.4
	Maximum	73	78	79	77	78	79	77	79	78	81	85	85	95	89	92	100	98	87	92	87	90	91	82	84	98	97	96	88	92	94	..	86.5
Hopkinsville	Minimum	54	60	54	51	59	61	68	65	67	63	72	69	66	71	65	70	72	68	65	66	60	61	56	58	66	69	69	70	67	64	..	64.5
	Maximum	84	86	86	83	85	88	89	81	86	85	87	89	92	95	93	94	94	86	86	89	87	85	86	91	92	85	84	88	91	93	..	87.3
Marion	Minimum	59	59	62	57	60	63	67	67	68	69	74	69	71	74	72	75	69	68	65	67	65	66	60	66	66	67	69	70	68	70	..	66.7
	Maximum	78	84	84	86	86	90	94	84	90	87	89	92	97	93	100	100	100	95	93	92	92	93	92	96	98	96	92	94	88	95	..	91.6
Mayfield	Minimum	54	54	54	58	59	62	64	65	66	67	70	68	71	74	76	75	74	78	76	64	68	69	70	67	61	68	69	72	73	71	..	67.8
	Maximum	80	86	78	78	85	84	79	82	85	85	90	86	94	95	95	96	97	85	85	79	85	86	85	93	93	95	90	88	86	89	90	92	..	85.7
Princeton	Minimum	61	59	59	53	54	60	61	66	65	68	89	90	93	91	92	93	96	96	97	85	85	79	85	86	85	93	93	95	90	87	93	..	87.8
	Maximum	77	81	75	80	86	87	89	86	87	89	92	91	96	96	97	85	85	79	85	86	85	93	93	95	96	96	97	93	87	93	..	89.4
Russellville§§	Minimum	63	62	60	51	54	60	63	61	66	66	71	74	65	68	65	70	74	67	66	63	61	61	54	51	57	64	66	67	66	68	..	63.4
Central Division																																	
Anchorage	Maximum	77	80	79	85	89	89	92	84	89	90	88	88	89	90	92	95	95	88	87	89	90	82	88	96	94	87	91	87	89	92	..	88.4
	Minimum	58	57	57	52	58	57	61	67	65	68	74	61	58	62	61	66	72	66	62	63	59	62	53	52	57	64	62	63	63	66	..	61.5
Bardstown	Maximum	72	70	70	75	77	75	79	78	79	80	82	83	86	91	92	96	96	89	87	86	87	83	88	92	92	90	92	87	86	88	93	..	84.5
	Minimum	62	60	58	56	61	61	63	68	68	67	67	68	62	66	62	67	75	68	66	68	61	64	51	54	58	66	67	67	65	70	..	63.7
Bardstown	Maximum	83	84	84	86	90	86	89	90	85	89	91	96	96	94	97	100	99	89	90	87	89	88	90	95	97	95	93	87	88	95	..	90.7
Bowling Green	Minimum	66	63	60	54	57	63	63	67	68	65	71	74	67	72	64	69	74	68	69	65	63	64	55	56	60	66	66	69	66	69	..	65.1
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Camp Knox	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maximum	75	70	76	76	83	82	86	80	76	84	84	87	86	87	89	91	91	83	84	86	83	81	81	85	90	84	90	84	88	88	..	88.7
Falmouth	Minimum	59	62	54	62	59	61	60	65	66	65	70	67	59	69	66	62	72	65	67	66	63	60	49	49	62	64	65	64	69	..	..	..	..	62.1
	Maximum	83	73	83	81	85	84	89	86	83	88	88	86	87	89	90	94	97	85	87	89	85	85	91	92	88	93	87	86	93	..	..	..	..	87.1
Frankfort	Minimum	62	60	57	61	61	60	64	68	68	69	75	65	60	66	64	65	73	70	65	68	67	65	52	55	59	67	70	68	67	70	..	..	..	64.7
	Maximum	79	80	78	83	87	84	85	87	84	88	89	90	93	91	94	97	99	90	87	85	87	87	86	92	96	95	93	91	88	91	..	..	..	88.5
Franklin	Minimum	65	62	61	56	58	64	63	68	67	66	71	74	67	74	64	72	76	67	67	65	63	63	56	56	61	66	66	67	66	70	..	..	..	65.4
	Maximum	82	82	81	82	86	84	86	87	87	89	90	93	94	94	97	97	97	88	87	85	87	88	86	90	95	94	92	87	90	90	..	..	..	88.3
Glasgow	Minimum	65	62	60	57	59	59	62	67	69	67	71	71	73	70	69	71	74	68	68	65	63	63	58	56	60	65	70	68	66	70	..	..	..	65.1
	Maximum	81	81	77	82	88	85	90	87	81	87	87	92	90	93	94	97	97	88	87	85	87	88	86	90	95	94	92	87	90	90	..	..	..	88.9
Greensburg	Minimum	58	62	60	57	59	59	62	67	69	67	71	71	73	71	70	69	71	74	68	68	65	63	63	58	56	60	65	70	68	66	70	..	..	64.9
	Maximum	84	74	75	78	82	80	86	84	79	84	85	87	87	87	89	93	90	83	87	84	82	83	89	89	92	85	86	90	90	..	..	..	..	84.9
Irvington	Minimum	60	60	54	58	57	59	58	62	65	61	69	69	59	66	59	63	70	64	65	61	59	58	47	48	58	62	62	64	63	66	..	..	..	60.9
	Maximum	80	80	78	81	80	84	88	84	83	86	86	87	88	86	88	92	93	87	84	83	84	81	83	88	89	87	85	85	85	90	..	..	..	85.2
Junction City	Minimum	62	62	62	53	58	63	65	69	69	68	74	67	67	70	65	73	70	69	66	66	63	61	56	59	61	64	61	66	65	67	74	..	..	65.2
	Maximum	84	72	79	75	84	85	87	83	79	85	85	84	88	89	89	92	94	88	86	86	86	86	87	89	91	92	92	86	89	90	..	..	..	86.2
	Minimum	45	62	54	61	58	63	59	66	66	67	72	70	57	64	58	61	74	65	66	64	64	65	53	45	54	68	61	68	65	65	..	..	..	62.0
	Maximum	76	79	75	82	84	84	86	79	84	85	87	90	90	87	90	93	94	91	83	82	84	81	86	90	91	90	87	86	86	91	..	..	..	85.6
Lebanon	Minimum	63	62	59	52	57	62	63	66	68	66	72	72	63	67	64	69	70	67	67	64	62	64	54	54	58	60	67	68	66	66	..	..	..	63.8
	Maximum	73	67	78	80	83	82	88	80	77	84	84	83	84	84	88	90	91	82	85	82	83	79	87	90	82	86	86	88	82	86	..	..	..	82.5
Lexington	Minimum	61	60	62	63	65	66	65	67	67	67	67	70	60	66	69	72	69	67	62	68	64	62	62	66	70	64	68	65	65	72	..	..	..	65.6
	Maximum	74	77	78	80	84	84	86	86	81	86	87	88	87	90	93	93	95	85	89	86	86	86	87	92	89	91	86	83	85	90	..	..	..	84.9
Louisville	Minimum	62	60	64	61	62	64	68	68	70	70	75	71	58	71	68	72	73	70	66	67	66	66	61	64	68	66	69	67	67	72	..	..	..	66.9
	Maximum	74	77	75	79	81	84	86	79	79	84	85	84	86	86	84	89	90	84	81	82	84	80	84	90	86	83	84	82	84	90	..	..	..	82.2
Louisville	Minimum	62	58	61	57	58	59	64	67	68	69	74	67	59	66	63	67	76	67	64	64	63	64	56	57	60	63	65	67	68	69	..	..	..	63.9
	Maximum	78	79	76	81	85	84	88	87	87	86	88	90	90	90	92	93	95	84	85	87	84	81	83	90	92	89	91	85	88	93	..	..	..	86.7
Middlesboro	Minimum	66	66	58	52	52	60	60	66	67	67	73	66	62	64	62	68	69	68	64	62	61	63	52	54	58	66	66	65	64	67	..	..	..	62.6
	Maximum	76	72	77	79	82	86	86	81	80	85	85	85	81	87	89	89	94	82	83	83	87	79	87	93	90	78	84	81	86	91	..	..	..	83.9
Morehead	Minimum	59	57	56	57	58	61	62	67	67	66	74	61	59	61	60	68	76	67	66	61	64	62	48	50	61	57	52	62	63	65	..	..	..	61.9
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morganfield	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maximum	56	64	62	69	63	57	60	67	66	65	69	59	54	65	56	58	65	64	60	61	63	58	44	46	51	63	64	64	65	67	..	..	..	60.5
Morganfield	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nicholasville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Owenton	Maximum	80	72	82	82	85	86	90	82	85	89	89	89	85	88	90	96	98	88	87	87	90	83	88	95	90	83	94	87	86	94	..	..	..	87.3
	Minimum	60	59	61	62	65	60	64	68	68	69	72	64	57	66	64	64	75	67	62	65	63	60	53	55	60	62	66	67	65	67	..	..	..	63.7
Owenton	Maximum	78	78	83	82	83	88	86	81	79	86	89	88	85	87	88	90	93	83	79	85	84	83	82	91	90	91	90	87	88	90	..	..	..	85.4
Middlesboro	Minimum	63	68	62	60	62	62	60	65	66	66	66	60	64	62	61	66	64	66	64	66	60	57	52	54	59	63	66	66	64	..	..	..	..	62.6
Mount Sterling	Maximum	79	73	82	80	85	85	88	88	79	88	86	85	85	87	89	94	95	87	86	88	82	88	92	95	92	96	92	92	96	96	..	..	..	87.6
	Minimum	58	60	58	62	61	60	65	67	66	65	71	62	57	63	58	64	72	66	65	64	63	60	47	47	60	65	62	62	65	65	..	..	..	62.1
Mount Vernon	Maximum	78	72	77	75	84	84	88	84	85	85	88	90	93	93	84	87	87	86	84	87	87	85	92	90	91	84	89	91	89	91	..	..	..	85.9
	Minimum	63	64	59	63	61	65	65	69	67	67	71	66	62	68	62	67	75	67	65	70	65	63	56	56	63	66	66	69	67	71	..	..	..	65.3
Williamsburg	Maximum	80	74	81	75	87	83	87	84	78	91	88	89	90	90	92	95	96	91	84	90	85	84	84	91	93	93	90	91	84	89	91	..	..	87.1
	Minimum	59	64	59	64	63	62	61	65	66	65	67	70	60	68	61	62	71	66	67	65	65	58	49	50	55	60	65	66	66	67	..	..	..	62.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* [illegible] indicate respectively 1, 2, 3, etc., days missing from record.

51.05
ENKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., JULY, 1922. No. 7

GENERAL SUMMARY.

Moderate temperature, with daily averages below normal on most days, prevailed during the first three weeks. The precipitation in various parts of the State exhibited marked contrasts. In some districts, particularly the west-central and southeastern counties, the rainfall was so frequent and heavy as to interfere with thrashing, haying and cultivation of crops, and caused some damage to wheat in shock; while in other sections, principally the Licking Valley and northeastern counties, drought of more or less intensity continued throughout the month. In the dry districts precipitation was local and rarely sufficient in amount anywhere to thoroughly moisten the soil and produce satisfactory growing conditions. In general the rains were heaviest in the districts that received most rain in May and June preceding, and lightest where deficient during these months. Rainfall was sufficient over about three-fourths of the State, including the southern, and most of the western counties. In this district corn made excellent progress, and late potatoes were planted under favorable conditions; while the advancement of early tobacco was such that cutting had commenced in a few places by the end of the month. In the dry northeastern counties, including considerable areas in the northern blue grass and burley district, early corn and tobacco "fired" badly during the last two weeks, late tobacco grew unevenly and was retarded; pastures dried up, and stock water became short. In this section, however, thrashing and hay harvest proceeded without delay, and the spread of tobacco rust was prevented. This disease was apparently confined to certain wet localities in the western "dark" district. Except in the northeastern counties, gardens yielded a plentiful supply of vegetables. Tomatoes were about ready for the canneries at the end of the month. A remarkably large crop of peaches began ripening, and there was also plenty of other fruit.

TEMPERATURE.

The temperature for the State, 42 stations reporting, averaged 76.4°, which is 0.3° below normal. Low minimum temperatures occurred in the periods 4-7th and 19th-22d, ranging from 47° to 56° at most stations. Temperatures of 90° or higher were registered on the 1st, and in the periods 9-12th and 25th-31st generally over the State; while maxima of 95° to 100° occurred at a few stations in the dry districts. The extremes were 102° at Paducah, on the 28th and 29th, and 47° at Earlington and Owensboro on the 5th.

PRECIPITATION.

The average precipitation for the State, based on the reports of 56 stations, was 4.77 inches, which is 0.47 inch above normal. Areas of light and heavy precipitation coincided to a marked degree with similar districts in June preceding. Distribution was decidedly irregular, rainfall in many cases being excessive in one county and deficient in that adjoining. In the Salt River basin and eastward, including most of the district northeast of the Kentucky river, monthly amounts ranged from 2.0 to 4.0 inches. This area corresponds roughly with the area most affected by drought in June. There were also districts in the extreme western counties, where less than 4.0 inches occurred. In the south-central and southeastern counties rainfall was generally heavy, ranging between 5.0 and 9.0 inches; while in some west-central localities and in Jefferson County, it ranged between 4.0 and 9.0 inches. Showers were fairly general, but varied greatly in amount, in the periods 2d-4th and

(Continued on next page.)

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour	Direction.	Date.
Cairo ..... Ill.	30.01	30.22	13	29.83	7	4889	6.6	27	nw.	23
Cincinnati ..... Ohio	30.03	30.26	13	29.80	7	4578	6.2	24	sw.	11
Evansville..... Ind.	30.04	30.26	13	29.84	7	6561	8.8	68	w.	23
Lexington ..... Ky.	30.04	30.24	13	29.88	3	8617	11.6	41	sw.	12
Louisville ..... Ky.	30.04	30.29	13	29.87	7	6707	9.0	40	ne.	27

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	81	57	64	388.7	447.1	87	23	0
Cincinnati ..... Ohio.	75	50	63	333.5	452.3	74	16	1
Evansville..... Ind.	75	49	59	323.7	449.8	72	16	2
Lexington ..... Ky.	77	54	.....	309.5	449.8	69	11	1
Louisville ..... Ky.	76	59	68	312.9	449.8	70	14	3

COMPARATIVE DATA FOR JULY.

Year.	Temperature.				Precipitation.		
	Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Monthly average.	Departure from 30-year normal.	No. of days with .01 in. or more rain.
1889	75.1	− 1.6	98	50	5.62	+1.32	..
1890	73.0	− 3.7	101	44	2.66	−1.64	..
1891	74.0	− 2.7	91	47	4.08	−0.22	..
1892	76.5	− 0.2	100	48	3.30	−1.00	..
1893	78.8	+ 2.1	101	50	3.48	−0.82	..
1894	76.2	− 0.5	105	43	2.03	−2.27	..
1895	75.2	− 1.5	99	49	5.75	+1.45	9
1896	77.4	+ 0.7	103	47	7.44	+3.14	11
1897	77.8	+ 1.1	107	50	4.79	+0.49	10
1898	77.8	+ 1.1	102	48	4.71	+0.41	11
1899	77.3	+ 0.6	100	47	3.78	−0.52	9
1900	77.9	+ 1.2	101	50	4.91	+0.61	11
1901	81.7	+ 5.0	112	48	1.72	−2.58	5
1902	78.1	+ 1.4	107	48	1.91	−2.39	6
1903	77.5	+ 0.8	104	49	3.53	−0.77	8
1904	75.2	− 1.5	99	46	3.40	−0.90	10
1905	75.9	− 0.8	102	52	5.93	+1.63	13
1906	75.2	− 1.5	100	51	6.02	+1.72	11
1907	78.1	+ 1.4	102	40	4.71	+0.41	9
1908	76.9	+ 0.2	100	50	3.94	−0.36	10
1909	74.8	− 1.9	99	48	6.01	+1.71	11
1910	76.2	− 0.5	96	51	8.63	+4.33	16
1911	75.8	− 0.9	105	42	2.28	−2.02	7
1912	76.8	+ 0.1	100	53	5.50	+1.20	12
1913	79.9	+ 3.2	109	48	2.54	−1.76	7
1914	78.8	+ 2.1	109	43	3.26	−1.10	6
1915	75.7	− 1.0	102	49	5.30	+1.66	11
1916	78.6	+ 1.9	102	52	4.17	−0.13	9
1917	75.3	− 1.4	100	50	4.28	+0.68	11
1918	73.8	− 2.9	103	46	3.28	−1.02	8
1919	79.5	+ 2.8	104	50	2.16	−2.28	5
1920	75.2	− 1.5	99	41	3.83	−0.45	9
1921	81.1	+ 4.4	106	52	2.65	−1.63	7
1922	76.4	− 0.3	102	47	4.77	+0.47	9

Climatological Data for July, 1922.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	Number of days. With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western District																				
Beaver Dam	Ohio	441	18	77.5	− 0.3	98	28	50	5	34	4.70	+0.72	1.10	0	9	24	0	7	s.	Miss Addie B. Taylor
Bardwell	Ballard	445	40	77.0	− 1.2	95	28	53	4	37	5.74	+ 1.85	3.83	0	6	10	12	9	sw.	E. W. Horr.
Calhoun	Mclean	437	19	78.0	0.0	96	27	51	5	31	4.82	+0.10	1.79	0	8	13	14	4	e.	W. A. Taylor.
Earlington	Hopkins	420	31	77.5	− 0.9	98	17	47	5	39	4.39	+0.29	1.31	0	8	22	5	4	s.	Brick Southworth.
Greenville	Muhlenburg	519	6	76.9	...	96*	1	48*	5	36†	6.95	.....	2.11	0	7	16*	9*	3*	s.	C. R. Lovell.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.70	+1.45	2.10	0	10	.....	.....	.....	.....	W. W. Shelby.
Henderson	Henderson	327	13	.....	.....	.....	.....	.....	.....	.....	5.10	+1.07	1.75	0	5	15	11	5	s.	W. E. Graves.
Hopkinsville	Christian	524	25	77.2	− 1.6	98	27†	51	4	34	4.70	+0.77	3.19	0	6	14	9	8	sw.	B. C. Paris.
Marion	Crittenden	571	28	77.8	0.0	95	27†	54	4	27	4.85	+0.83	1.60	0	7	22	8	1	sw.	N. E. Douthit.
Maysfield	Graves	394	11	76.6	− 1.3	97	28	51	5	32	4.28	−0.57	0.76	0	9	21	4	6	s.	Henry S. Berry.
.....	Daviess	472	25	74.8	3.2	95	28	47	5	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.70	.....	0.53	0	6	20	8	3	s.	D. T. Hayden.
Paducah Lone Oak	McCracken	316	5	79.5	...	97	26†	55	4	30	3.08	−0.90	1.04	0	6	.....	.....	.....	.....	Frank L. Brown.
Paducah *	McCracken	341	33	80.0	1.3	102	28†	56	5	31	5.62	+2.00	2.14	0	9	11	17	3	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	11	74.9	− 3.7	94	10	52	5	27	3.67	−1.34	1.16	0	7	17	1	13	s.	E. C. Shelton.
Russellville	Logan	590	9	76.4	1.3	95	28	49	5	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central District																				
Anchorage	Jefferson	700	21	75.6	− 0.4	96	27	50	5	35	6.56	+2.06	2.32	0	8	24	4	3	sw.	C. E. Barret.
Baldwin	Nelson	637	25	76.4	− 2.1	95	27†	51	5	33	3.40	−1.08	1.27	0	7	24	4	3	s.	Chas. M. Talbott.
Bowling Green	Warren	500	31	78.8	0.1	98	28	52	5	33	6.45	+1.99	1.58	0	7	18	6	7	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	4	.....	.....	.....	.....	.....	.....	.....	4.44	.....	1.33	0	9	.....	.....	.....	.....	James H. Young.
Burnside	Pulaski	773	29	.....	.....	.....	.....	.....	.....	.....	4.60	−0.29	1.40	0	13	.....	.....	.....	.....	F. E. Bradshaw.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Signal Corps, U. S. A.
Camp Knox	Hardin	736	0	.....	.....	.....	.....	.....	.....	.....	4.50	+1.10	2.47	0	7	.....	.....	.....	.....	Charlie Oliver.
Cave-in-Rock No 1	Carlon	402	22	.....	.....	.....	.....	.....	.....	.....	5.77	.....	1.26	0	11	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	375	8	.....	.....	.....	.....	.....	.....	.....	4.64	+0.10	1.43	0	10	5	16	10	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	27	74.4	0.5	92	26†	48	5	31	4.20	+0.09	1.23	0	8	23	1	7	s.	Mrs. Amelia Wood
Frankfort	Franklin	560	28	77.2	0.3	95	1†	53	5	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.49	+1.38	1.90	0	7	16	12	3	s.	Volney Jameson.
Franklin	Simpson	691	26	77.2	0.3	96	22†	56	5	33	8.42	.....	2.38	0	8	26	3	2	s.	Dr. Fidelia Edwards.
Glasgow	Barren	788	0	77.2	.....	96	28	52	5	31	5.43	+0.84	1.30	0	14	7	11	13	s.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	29	74.0	2.6	93	27	48	5	34	4.84	+0.52	1.95	0	9	.....	.....	.....	.....	Miss Lulu Wood.
High Bridge	Jessamine	762	19	.....	.....	.....	.....	.....	.....	.....	4.04	+0.49	0.92	0	8	19	4	8	sw.	W. J. Piggott.
Irvington	Breckenridge	646	24	75.7	1.7	92	28	52	5	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Junction City	Boyle	985	28	74.6	0.4	95	27	49	5*	33	5.09	+0.79	1.60	0	12	14	12	5	s.	Prof. E. L. Grabbs.
Leitchfield	Grayson	695	26	75.8	0.8	94	26	51	5	31	6.55	+2.41	1.96	0	7	17	11	3	sw.	John E. Stone.
Lexington	Fayette	980	34	75.8	0.8	93	27	55	5	23	2.13	−2.31	0.61	0	8	11	14	6	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	49	77.0	1.6	94	27	57	5	23	7.79	+4.05	3.74	0	8	13	12	6	s.	U. S. Weather Bureau.
Louisville Cherokee Park	Do	534	12	74.3	2.2	90	27	53	5	26	9.06	+3.44	3.95	0	11	15	13	3	sw.	Wm. I. Hunt.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. John	Hardin	777	25	75.6	0.1	97	28	49	5	34	2.46	−1.03	0.86	0	9	24	1	6	.....	Sisters of Loretto
Scott ¶	Kenton	900	24	75.2	1.4	98	28	52	5	29	3.52	+0.18	1.63	0	8	21	5	7	s.	Mrs. W. T. Miller.
Shelbyville	Shelby	825	32	75.8	1.1	97	27	52	6	33	4.42	+0.42	2.24	0	8	19	7	5	sw.	E. D. Bourne.
Taylorsville	Spencer	489	19	75.2	0.9	94	1†	50	5	36	4.22	−0.05	1.25	0	8	19	7	5	sw.	Mrs. E. S. Hamlong.
Williamstown	Grant	943	18	75.6	0.1	96	1†	52	5	34	4.85	+1.17	1.95	0	7	18	9	4	w.	J. C. Stinson.
Woodburn	Barlen	553	4	.....	.....	.....	.....	.....	.....	.....	5.11	.....	2.32	0	8	.....	.....	.....	.....	.....
Eastern District																				
Ashland	Boyd	534	3	76.6	...	96	27	54	5	37	3.82	.....	1.45	0	8	15	5	11	sw.	Forester Farley.
Beattyville	Lee	650	17	76.2	0.8	96	26	50	5	34	4.80	+0.04	1.42	0	12	14	9	8	w.	Mrs. Sabine E. Holt.
Berea	Madison	1050	18	74.2	1.9	95	27	48	5*	26	8.88	+4.29	3.12	0	9	21	9	1	s.	F. C. Thompson.
Berea	Madison	984	4	.....	.....	.....	.....	.....	.....	.....	2.80	.....	0.55	0	6	.....	.....	.....	.....	P. H. Kelso.
Carlisle	Bourbon	684	4	.....	.....	.....	.....	.....	.....	.....	3.27	0.48	1.26	0	8	14	12	5	s.	J. V. Oldham.
Flemingsburg	Fleming	669	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.59	2.71	1.05	0	6	13	13	5	ne.	Mrs. Edna Tinsley.
Frenchburg	Menifee	1050	9	76.2	...	96	27	50	5	34	7.57	+3.54	1.45	6	12	15	13	3	sw.	Dr. Dan. Fortune.
Jackson	Breathitt	776	9	76.2	...	92	11	60	20	28†	4.33	+0.97	1.36	0	14	.....	.....	.....	.....	T. D. Snyder.
London	Laurel	984	15	.....	.....	.....	.....	.....	.....	.....	1.55	−2.99	0.55	0	7	8	20	3	w.	Barry M. Robinson.
Maysville	Mason	524	24	77.4	0.7	100	27	54	5	36	8.96	+2.86	2.95	0	16	14	16	1	.....	B. H. Perkins.
Middlesboro	Bell	1128	24	75.3	0.6	92	1*	52	5	28	8.96	+2.86	2.95	0	16	14	16	1	.....	B. H. Perkins.
Mount Sterling	Montgomery	930	32	77.8	2.0	97	25†	50	5	34	2.94	−2.12	0.73	0	12	16	8	7	w.	W. R. McKee.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.55	.....	0.94	0	8	.....	.....	.....	.....	Chas. Folsom.
Quincy	Lincoln	540	2	.....	.....	.....	.....	.....	.....	.....	3.17	.....	1.28	0	7	.....	.....	.....	.....	Andrew M. Stanforth.
Somerset	Pulaski	993	0	.....	.....	.....	.....	.....	.....	.....	5.59	+1.60	1.16	0	11	.....	.....	.....	.....	I. N. Williams.
Stanford	Lincoln	954	16	.....	.....	.....	.....	.....	.....	.....	4.72	+0.85	1.27	0	9	22	4	5	.....	J. W. Crooke.
Versailles	Woodford	926	27	76.8	0.1	94	27	57	5*	28	2.95	.....	0.96	0	5	.....	.....	.....	.....	Samuel Johnson
Vanceburg	Lewis	525	5	.....	.....	.....	.....	.....	.....	.....	5.68	0.19	1.35	0	17	10	10	11	sw.	Mrs. Ruth Inman.
Williamsburg	Whitley	920	24	76.8	0.6	96	11	51	5	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes				76.4		102	28*	47	5	42	4.77	.....	3.95	0	9	17	9	5	s.	

Temperature observations are taken from self-registering thermometers.
The departures of mean temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. ** Report of too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.
¶ Post-office address, Covington, Ky. *Temperature data by Evening Sun.

7-8th. Showers also occurred locally in the periods 12-13th, 18-19th, 23d-24th, and 30th-31st. Amounts at the various stations ranged between 1.55 inches at Maysville and 9.06 inches at Cherokee Park. Thunderstorms were frequent and often attended by damage from wind and lightning.

MISCELLANEOUS

July 3.—Near Danville a man was killed when lightning struck a rural mail box from which he was taking mail.

July 7.—At Louisville a rainfall of 3.56 inches in four hours flooded basements and blocked street car and interurban traffic.

July 13.—Two residences were damaged and a girl shocked into unconsciousness by lightning at Somerset.

July 18.—Near Pine Grove, Fayette County, two farm hands were killed by lightning in the open field. Wind damaged buildings and lightning burned a garage at Louisville.

July 25.—Two barns were destroyed by wind and three mules killed by lightning near Sacramento, McClean County. Trees

Daily Precipitation for July, 1922.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam (G)		.35	.30	.40				1.10				.40	.25					.05						1.10								1
Blandville (M)	.09	.09	.90				3.88	T				.41											1.02	T								2
Calhoun (G)	T	.48	.67				1.79	.10				.28	T					.10					.65	T								3
Carlington (G)		.40	.31	.38				1.09				.02	.21					T						.61				.48				2
Greenville (G)		.54	.99				4.92	2.11			1.84												.70					.28				6
Henderson (O)		.08	2.10	.05				.25				.36	.85					.22					.20	.34				.04				3
Hopkinsville (C)	.64	.37	.82				1.75		T.				T										.30						T			2
Marion (O)	.26	1.64	1.55				.16					T											1.32									3
Mayfield (M)	.09	.10	.98				1.60	1.60				.08											.81					.38				4
Owensboro (O)		.12	.76	.11				.42				.64	.20						T				1.00						T	.40	.31	3
Paducah (Lone Oak) (O)		.53	.32				.50	.47																								1
Paducah (C)		.26	.28	.32				1.60					.18									.39	.42									2
Princeton (G)	T	.56	.24				2.14	.29				.05	.61					T				T	.21	1.04	T							3
Russellville (G)		.07	.30	.16				1.06					.65											.42								1
Central Division																																
Anchorage (O)	.03	.19	.82				1.80	2.32				T						T					.32				.32			.70		6
Beechwood (S)			.31	.32				1.25					.04					.02						1.17						.25		3
Bowling Green (G)			1.39	1.28				1.70					.22					.30						.05								4
Brownsville (G)	.02		.98	.49				1.21	.07				.22					.02						1.20	T					.50		4
Burnside (C)		.03	.18	1.40				.15	.52	.24		T	.10	T			.22	.53	.37					.20				.27	.15			4
Camp Knox** (O)																																
Carrollton (Lock No. 1) (O)			2.47	.04				.76		T			.15					.37									.08		.65			4
Cloverport (O)		1.86	1.35	.13				.53				.14	.10					.01	T				.28	.04					.30	.04		5
Eubank (C)			.35	1.45					.23	.62							.20	1.20	.25	.15				.20				.05	.05			1
Frankfort (K)			1.23	.15				1.04	T	T		.02	.30					.15	T					.20					.10			1
Franklin (G)			1.90					1.42				.65						.30					.60	.10			.52		1.62			4
Glasgow (G)		2.10	2.38					1.87				.05	.20						.55				1.75						.12			8
Greensburg (G)		1.01	.18	1.30				.22	.02			.11	.02	.04				.02	.50					1.08				.55	.03	.65		5
Hiseville (K)		.12	.85	.39				.29	.05									.08	.01					1.05					.10			3
Lexington (O)	T.	.22	.92				.68	.28				.72	.66					T					.90						.24			4
Junction City (K)	.45	1.35	1.60			.01		.23	.17			.13		.05				.43					.15	.04					.58			4
Leitchfield (G)		.44	.99				1.23					.34				1.29	T						1.50						.33			6
Lexington *** (K)		.05	.57				.34	.09				T	.01			T		.23											.61			2
Louisville*** (O)	T	.32	1.24				3.74	T	T			.34						.18					.20			1.67			.61			7
Do (Cherokee Park) (O)	T	*	2.11				.68	3.95	T			.17	.27					.05					.31				.22	.55	.22			9
St. John (S)		.05	.02	.30				.88					.20					.13						.55					.17	.15		2
Scott (L)		.38	.01				.20	.44				.32																				
Shelbyville (S)			.60	.56				2.21					.40					1.68									.11		.35	.68		5
Taylorsville (S)		.62	.80				.22	1.25				.16						.01						.24					.58	.05		4
Williamstown (L)			1.21	.22				.88				.40	.02					.05					.70				T	T	.38			4
Woodbury (G)		.01	.84	.17				2.32	.18				.01					1.05						1.08					.37			4
Eastern Division																																
Ashland (O)		.54	1.45	.98					.08				.35						.35					.03						.09		3
Beattyville (K)		.27	.11	1.43					.20					.02				.09	.02	.23				.86				T.	.14	.70	.10	4
Berea (K)	1.43	.37	.38	.08				.11	.13				.16						.12				.56							.50		4
Cynthiana (L)		T	.55	.15				.50				.05						.10												.91		3
Fairmount (L)			1.25	.05				.94				.12	.02				.08	.75											T.	.15	T	2
Farmers (L)		1.05	.25																.30	.22										.39	T	2
Jackson (K)		.70	.46	1.20	T				.23	.01		1.45							.30	.23				.50								
Louisa (B)	.01	.10	.25	.84	.06				.07								.56	.25	.38					.46				T.	.35	.05	T	2
Maysville (O)	.19		.50	.12					.02	.15							.20	.30	.15				.01							.07	.04	4
Morehead (C)	.70	1.20	2.05	.61					.35	.05			.16					.24												.27		1
Mount Sterling (L)		.10	.73	.62					.22	.01			.06	.03				.12					.28	.84			.10	.02		.05	.56	8
																		.22	.22					.02						.42	.12	2
Olive (O)			.54	.09				T	.34				.01					.02	.33									.54		.27		2
Oneonta (G)		.04	.54					.68					.02					1.28										.67		.28		2
Rockville (E)			.08	1.10	.22			.88	T				.12					1.01	.12									.75	.28	.42	.32	5
Sharpsburg (K)			.50	.04				11					.10					.38	.08					.55						1.27	T	2
Williamsburg (O)	.36	.03	.38																											.46		2
		.02	.02	.01	.05	.01		.08	.52	.53		T	.43	.17	T		.09	.17	.58					.45	.11			T	.03	.44	5

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

†, Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indented as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

and buildings were damaged by wind, and lightning killed 4 horses, destroyed a barn, damaged two residences, and stunned one person in Daviess County. Wire systems were also damaged.

July 27.—Trees were blown down, several buildings unroofed, and two persons shocked by lightning during a storm at Louisville. Considerable fruit was blown off the trees.

July 29.—A man was severely injured, many head of valuable stock was killed, several large tobacco barns were destroyed by lightning in Graves County.

July 30.—A garage and barn were burned by lightning near Louisville.

Rivers.—Stages were low in all streams of the State during the month, and so low as to interfere with navigation in the upper Ohio River.

Daily Temperatures for July, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	95	90	76	78	83	86	88	89	94	91	93	91	88	87	91	91	92	91	88	87	90	92	84	89	93	95	97	98	94	92	91	89.8
	Minimum	72	71	69	55	50	52	62	67	70	68	70	70	70	70	62	60	61	70	60	57	56	70	67	68	66	65	67	71	65	67	71	65.2
Blandville	Maximum	88	88	74	73	80	83	85	82	87	88	88	84	86	86	88	88	90	89	84	88	86	88	89	89	90	89	93	95	92	90	91	86.8
	Minimum	71	72	66	53	56	59	67	69	69	70	73	70	69	66	66	66	70	69	63	61	61	63	71	69	71	71	72	72	74	75	68	67.8
Calhoun	Maximum	95	86	72	78	82	87	84	88	92	92	91	88	87	87	89	90	94	88	87	87	88	91	87	88	90	94	96	96	92	93	91	88.7
	Minimum	73	70	67	58	51	56	62	68	70	70	72	71	69	65	67	67	71	73	65	65	65	68	69	70	69	67	69	72	69	71	68	67.3
Earlington	Maximum	98	91	71	80	81	87	86	90	91	91	92	91	86	87	91	91	92	87	87	88	90	91	89	91	93	95	97	98	94	90	93	89.9
	Minimum	74	69	63	55	47	53	65	67	70	73	75	70	69	69	69	61	70	70	59	56	56	59	68	68	67	67	66	71	70	71	67	65.1
Greenville	Maximum	96	..	76	80	84	85	86	87	92	92	92	90	85	87	88	..	..	93	89	85	91	88	90	88	92	94	95	95	92	90	92	*89.2
	Minimum	..	65	62	55	48	52	60	65	65	70	72	68	67	62	60	..	..	61	60	57	57	58	66	67	65	66	65	69	66	70	65	*62.9
Hopkinsville	Maximum	95	83	82	76	78	79	77	79	83	84	87	76	82	91	92	93	94	91	90	92	93	92	93	90	89	96	98	98	96	92	96	88.3
	Minimum	71	72	61	51	55	62	65	67	68	67	72	73	68	66	64	65	64	67	64	60	59	61	67	68	69	68	68	71	70	71	74	66.1
Marion	Maximum	90	89	71	78	82	84	86	88	88	88	87	86	85	88	89	90	93	88	87	91	87	87	88	91	92	94	95	95	95	94	90	87.9
	Minimum	73	70	62	54	62	66	67	70	72	74	73	69	63	64	64	71	63	61	62	64	66	69	65	68	78	71	75	69	71	70	69	67.6
Mayfield	Maximum	87	89	75	74	77	79	81	80	82	82	85	85	79	83	84	91	90	84	92	86	84	90	90	88	89	87	93	97	96	90	94	85.9
	Minimum	72	73	62	55	51	55	68	66	70	74	74	73	68	68	65	65	68	70	63	60	69	65	74	65	73	71	70	69	71	72	74	66	67.4
Owensboro	Maximum	92	89	77	77	79	82	83	85	92	91	91	89	85	83	88	90	91	85	85	86	88	89	80	88	90	92	94	95	92	90	86	87.2
	Minimum	71	77	63	54	47	50	68	63	65	65	67	65	62	60	56	58	65	70	60	62	62	58	60	65	66	66	68	71	65	68	66	62.4
Paducah (Lone Oak)	Maximum	92	92	80	78	83	85	88	87	91	92	91	89	88	88	94	94	87	81	90	92	93	92	91	89	92	94	97	97	96	95	95	90.2
	Minimum	74	72	60	55	56	60	70	68	71	71	76	73	69	67	67	71	71	72	60	63	69	64	69	70	72	73	72	73	76	73	73	70	68.8
Paducah	Maximum	99	94	77	76	86	88	86	86	91	94	93	91	82	93	93	95	86	85	92	92	94	96	95	94	94	93	98	102	102	97	98	91.5
	Minimum	74	68	66	60	56	58	68	69	70	71	75	74	66	64	67	66	65	74	65	63	63	65	67	71	74	75	74	75	77	75	73	70	68.6
Princeton	Maximum	91	84	73	69	77	82	78	82	86	94	94	81	83	81	84	88	84	83	78	78	86	89	82	84	84	87	88	86	92	84	90	83.6
	Minimum	72	72	61	55	52	55	63	66	68	73	72	71	70	64	63	62	69	71	64	61	59	62	70	67	69	68	68	72	75	72	67	66.2
Russellville§§	Minimum	72	72	69	57	49	52	59	66	63	69	68	71	68	66	62	65	68	72	63	57	58	57	68	72	67	67	65	65	67	69	67	70	67	64.9
Central Division.																																	
Anchorage	Maximum	95	87	73	77	81	86	86	86	92	90	89	92	86	86	91	91	86	86	86	90	92	82	91	92	95	96	95	90	86	90	90	88.1
	Minimum	73	71	64	55	50	51	62	67	65	69	68	71	71	60	57	61	69	70	56	57	57	58	67	68	65	65	65	67	58	65	65	63.1
Bardstown	Maximum	93	89	76	76	81	85	86	86	92	91	90	92	86	84	88	89	91	86	85	86	89	92	81	87	89	93	95	96	92	87	91	87.6
	Minimum	73	72	66	58	51	53	60	68	69	70	70	72	70	62	59	63	68	72	61	57	57	58	67	68	65	65	65	67	58	65	65	65.1
Bowling Green	Maximum	93	92	77	80	84	89	92	86	93	95	91	93	89	90	90	93	96	89	89	92	94	96	95	94	94	93	98	102	102	97	98	90.9
	Minimum	69	72	70	58	52	56	62	67	71	68	70	72	70	67	67	67	69	72	64	59	61	63	69	69	69	68	68	69	72	68	72	70	66.8
Camp Knox	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Eubank	Maximum	85	84	72	70	78	82	85	85	87	88	89	88	84	84	85	85	85	81	81	82	86	87	87	85	88	92	92	89	86	82	87	84.6
	Minimum	71	69	69	59	48	51	60	68	68	68	65	68	68	65	57	65	67	67	64	58	62	61	67	65	64	66	68	68	62	66	65	64.2
Frankfort	Maximum	95	92	82	74	77	85	88	85	91	92	93	94	86	83	87	90	92	90	84	84	87	92	90	88	88	92	95	95	92	87	90	88.4
	Minimum	76	74	68	61	53	55	62	68	66	71	70	73	72	68	62	64	72	72	61	59	58	60	70	70	68	66	68	69	63	66	66	66.1
Franklin	Maximum	92	92	82	76	79	85	88	85	91	92	90	92	85	82	84	88	89	86	90	85	87	96	89	88	90	93	96	96	90	91	88	87.9
	Minimum	73	73	65	58	56	60	62	69	71	69	71	71	69	66	63	69	71	72	64	60	61	68	69	68	68	68	68	70	71	69	73	69	66.6
Glasgow	Maximum	92	89	77	78	81	84	87	84	88	90	90	87	88	89	89	87	90	88	89	90	90	95	85	88	94	95	96	98	93	86	91	88.2
	Minimum	72	70	66	59	52	54	65	67	69	71	70	72	71	69	65	66	67	67	70	68	69	62	68	68	67	67	70	69	70	69	70	71	66.3
Greensburg	Maximum	90	87	77	75	76	82	80	85	88	88	88	90	85	85	86	87	90	85	84	84	88	90	88	83	87	91	93	92	88	82	87	85.5
	Minimum	68	69	63	58	48	59	58	65	65	69	68	68	63	55	61	65	65	61	53	54	59	63	65	64	64	66	68	63	67	67	65	67	62.6
Irvington	Maximum	90	83	75	74	77	81	83	84	89	88	89	86	83	82	84	87	89	84	82	83	85	88	82	86	89	90	91	92	87	81	88	84.9
	Minimum	74	72	67	58	52	66	64	66	72	72	71	70	64	57	69	71	70	68	59	59	60	70	69	69	69	69	70	71	71	72	68	66.5
Junction City	Maximum	92	87	73	73	79	83	85	86	89	86	90	89	87	85	87	90	90	88	84	86	89	95	92	92	93	94	95	95	92	93	92	91	87.0
	Minimum	71	70	63	57	49	53	56	66	66	68	65	69	68	65	64	66	68	67	59	56	56	58	60	69	63	64	64	67	60	66	66	62.3
Leitchfield	Maximum	92	91	74	75	79	82	85	85	88	88	88	88	88	85	84	88	90	88	84	84	89	88	80	88	90	94	93	93	90	90	90	86.1
	Minimum	72	71	63	57	51	54	63	67	69	69	71	71	69	63	60	65	69	72	63	60	58	61	68	68	67	68	69	71	66	68	67	65.5
Lexington	Maximum	88	82	72	71	77	82	84	82	88	89	88	89	82	82	87	86	88	83	81	82	86	90	86	86	88	91	93	92	86	79	87	84.7
	Minimum	73	71	61	55	55	62	64	67	68	71	72	70	68	62	63	69	70	70	64	62	63	69	68	68	69	71	74	72	67	65	69	66.9
Louisville	Maximum	92	85	72	76	80	82	82	84	87	88	89	87	84	84	88	89	90	88	84	86	88	90	79	88	89	91	94	93	88	88	88	86.0
	Minimum	76	69	63	58	57	61	67	69	68	74	75	72	69	64	65	68	73	70	65	63	65	69	70	71	70	71	71	72	68	66	71	68.1
Do (Cherokee Park)	Maximum	87	82	72	72	76	79	79	84	88	89	86	81	80	82	82	88	87	83	80	82	84	86	76	84	88	86	90	87	86	83	86	82.8
	Minimum	74	72	66	58	53	55	62	68	67	70	72	71	70	62	62	63	70	70	60	59	60	70	70	69	67	70	69	67	70	68	66	65.8
St. Johns	Maximum	91	93	75	74	79	83	85	86	90	90	89	90	85	84	88	90	91	87	84	85	88	91	88	91	93	96	97	97	93	91	93	87.4
	Minimum	73	70	69	57	49	51	54	65	68	69	70	72	69	69	68	68	72	72	60	57	55	58	68	68	66	67	67	69	69	68	68	63.7
Scott	Maximum	93	87	70	73	80	84	84	85	89	90	89	91	80	84	90	91	91	83	82	81	85	89	80	90	91	92	98	98	95	88	86	86.1
	Minimum	75	70	66	57	52	57	64	67	67	71	72	72	67	60	61	62	71	67	58	60	58	62	60	69	67	66	67	68	66	64	64	64.2
Shelbyville	Maximum	95	87	73	75	79	85	87	90	90	88	91	84	84	87	91	91	86	85	86	88	93	93	90	91	95	97	97	96	91	92	86	87.3
	Minimum	73	71	65	56	56	62	62	67	67	69	73	71	70	60	61	63	69	70	58	57	56	63	69	67	66	65	67	68	59	66	65	64.3
Taylorsville	Maximum	94	86	76	75	80	83	86	85	90	88	90	88	82	83	87	89	91	87	84	87	92	94	84	88	88	92	94	93	88	88	90	86.6
	Minimum	73	72	67	59	50	59	58	65	67	69	71	71	70	60	61	63	69	70	58	57	56	64	66	66	65	64	66	68	60	67	67	63.7
Williamstown	Maximum	96	91	72	77	81	87	87	85	92	92	91	91	83	86	89	92	92	90	84	85	87	92	88	89	90	94	96	96	87	88	90	88.2
	Minimum	73	67	63	56	52	53	62	66	63	68	68	69	67	68	60	62	69	66	57	55	57	62	67	66	65	64	64	68	68	67	68	63.1
Eastern Division.																																	
Ashland	Maximum	95	87	76	68	78	84	87	84	90	91	94	93	84	84	88	88	92	80	86	85	88	92	92	90	89	92	96	95	90	84	90	87.5
	Minimum	65	70	67	61	54	55	61	71	67	70	69	71	72	65	59	65	75	71	64	61	59	55	70	72	67	64	66	69	65	69	66	65.6
Beattyville	Maximum	96	92	78	72	82	87	87	88	91	93	95	93	86	87	90	88	91	88	85	85	90	92	90	89	92	96	97	96	92	89	92	89.5
	Minimum	69	69	66	60	50	53	58	68	64	64	66	68	70	64	60	64	66	68	62	57	58	58	68	68	65	65	66	69	65	68	65	63.8
Berea	Maximum	90	90	84	75	79	84	86	83	88	90	94	91	85	84	86	89	90	85	83	84	88	89	88	85	89	90	92	95	90	88	91	87	86.9
	Minimum	65	65	65	57	48	48	62	68	67	70	70	70	70	63	58	58	58	58	58	56	56	56	55	56	56	56	60	70	62	62	61	61.5
Harrods	Maximum	85	85	77	71	75	80	87	84	93	94	95	94	88	86	91	92	94	88	88	89	91	94	93	92	92	97	99	98	93	93	95	89.0
	Minimum	68	69	67	59	48	49	56	68	62	65	63	65	67	61	56	59	64	70	65	58	55	52	62	71	63	62	65	66	64	66	64	62.4
Jackson	Maximum	90	90	81	69	79	83	85	83	89	90	92	91	81	83	86	86	90	86	83	83	86	89	88	88	90	91	94	95	92	90	86	86.4
	Minimum	..	..	..	..	..	..	..	..	..	..	..	69	69	64	61	66	67	69	65	62	62	62	67	69	67	69	67	68	69	67	66	67	*66.0
Maysville	Maximum	98	90	79	74	79	87	90	86	93	96	96	95	86	85	87	93	95	87	87	88	91	94	94	90	91	94	100	100	98	88	91	89.7
	Minimum	72	73	67	60	54	56	61	68	64	69	70	71	70	66	64	64	70	74	59	61	59	58	69	71	68	65	68	70	68	66	67	66.7
Middlesboro	Maximum	92	87	83	67	79	84	86	81	85	90	92	90	85	84	87	83	88	88	88	82	84	90	91	90	91	91	95	96	93	90	91	87	86.2
	Minimum	66	67	65	58	52	58	58	68	66	63	65	66	65	65	63	65	67	67	65	66	64	62	62	61	70	71	69	69	67	68	67	68	64.4
Mount Sterling	Maximum	96	92	75	73	80	85	89	85	93	94	95	95	91	91	93	94	93	91	91	92	92	92	92	92	97	97	97	96	92	84	90	90.4
	Minimum	71	70	65	58	50	55	60	67	66	68	66	68	70	62	64	62	71	70	62	62	61	60	71	69	69	67	69	69	67	68	65	65	66.4
Richmond	Maximum	90	86	75	74	80	85	86	84	90	91	92	90	87	86	88	87	90	89	84	86	88	90	87	85	89	93	94	92	89	81	89	86.7
	Minimum	73	72	66	60	57	57	65	66	68	71	73	72	71	63	63	70	71	68	62	60	61	66	69	69	67	68	72	72	65	67	68	66.8
Williamsburg	Maximum	91	89	82	68	80	88	88	85	87	94	96	89	86	83	88	87	90	89	84	85	90	93	90	89	92	95	94	93	92	88	91	88.5
	Minimum	70	69	64	60	51	57	61	68	66	65	66	67	64	64	67	64	67	67	70	67	58	60	63	70	68	67	67	70	68	67	68	65.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* etc., indicate respectively 1, 2, 3, etc., days missing from record

NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

UNIVERSITY OF ILLINOIS LIBRARY
1922

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., AUGUST, 1922. No. 8

GENERAL SUMMARY.

Except for a short period of abnormally warm weather near the middle of the month, temperatures were generally moderate. Drought, already persistent in the northeastern counties, spread over the central and western districts, until more than half of the State was included in the dry area. Heavy rains in the eastern and south-central counties during the last week relieved the drought in those sections; but the light to moderate showers in other districts had only a temporary effect on vegetation. Because of the uneven distribution of rainfall, the condition of early crops varied greatly in the different parts of the State, ranging from poor in the dry northeastern and western hills to good in the south-central counties. In some localities corn "fired" up to the ear. Early tobacco failed to spread and "fired" so badly that it became necessary to cut it to save it. Premature cutting of tobacco in this condition, especially in the burley district, proceeded rapidly after the first week, with weather favorable for housing and curing. Early corn matured and was generally good outside the areas of severe drought; but in the dry districts the yield of corn, as well as of early tobacco, was materially reduced. Late corn, tobacco, and potatoes grew slowly in most of the State, because of insufficient moisture. These crops were much improved by the rains late in the month. The drought shortened the fourth crop of alfalfa, and seriously damaged cow peas. In the hilly section pastures became very short, making it necessary to begin feeding in places. They were revived in the eastern counties by the late rains, which also replenished stock water in that district. Much young clover was killed by drought. Dry soil prevented any progress with fall plowing.

TEMPERATURE.

The temperature for the State, 40 stations reporting, averaged 75.2°, which is 0.5° below normal. Minimum temperatures were low, ranging generally from 50° to 60°, in the periods 9-12th and 26-29th; also at many stations on other dates. Maximum temperatures ranged from 90° to 100° in the period 13-19th, and in the western counties during the first week. The daily range in temperature was unusually large. The extremes were 101° at Earlington on the 18th, and 47° at Farmers on the 28th.

PRECIPITATION.

The average precipitation for the State, based on reports from 55 stations, was 2.43 inches, which is 1.13 inches below normal. Moderate to heavy showers occurred generally in the western counties from the 22d to 24th, and in the central and eastern districts from the 23d to 26th; otherwise the only precipitation consisted of scattered local showers. In the south-central counties, upper Cumberland and upper Licking valleys, monthly amounts ranged between 4.0 and 6.0 inches; but in most of the northern, central, and western districts they varied from 0.6 inch to 3.0 inches. Amounts at the various stations ranged between 0.61 inch at Cloverport and 5.82 inches at Bowling Green. Thunderstorms were frequent, and often accompanied by hail and destructive winds.

MISCELLANEOUS

Aug. 1.—Three buildings were burned by lightning, and crops were damaged by hail in southern Christian County.

Aug. 2.—Lightning destroyed a large tobacco barn near Horse Cave, with a loss estimated at $20,000.

(Continued on next page.)

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour	Direction.	Date.
Cairo ..... Ill.	29.98	30.18	15	29.74	25	4342	5.8	22	n.	8
Cincinnati ..... Ohio	30.01	30.25	14	29.64	25	3810	5.1	36	nw.	6
Evansville ..... Ind.	30.01	30.24	15	29.70	25	6062	8.1	42	nw.	2
Lexington ..... Ky.	29.98	30.24	15	29.72	25	7908	10.6	48	nw	1
Louisville ..... Ky.	30.02	30.27	14	29.65	25	6275	8.4	41	sw.	7

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	80	54	62	341.9	420.0	81	23	2
Cincinnati ..... Ohio.	77	48	58	281.5	423.5	66	11	2
Evansville ..... Ind.	74	47	52	333.6	421.7	79	19	1
Lexington ..... Ky.	74	46	.....	283.1	421.7	67	12	3
Louisville ..... Ky.	73	46	53	299.2	421.7	71	14	3

COMPARATIVE DATA FOR AUGUST.

Year	Temperature. Monthly average	Departure from 30-year normal.	Highest	Lowest.	Precipitation. Monthly average	Departure from 30-year normal.	No. of days with .01 in. or more.
1889	70.6	−5.1	100	43	1.23	−2.33	..
1890	73.2	−2.5	101	44	6.16	+2.60	..
1891	72.9	−2.8	105	43	5.82	+2.26	..
1892	75.4	−0.3	96	45	3.13	−0.43	..
1893	74.8	−0.9	99	48	1.72	−1.84	..
1894	77.1	+1.4	105	41	3.02	−0.54	..
1895	76.6	+0.9	102	49	2.15	−1.41	6
1896	77.1	+1.4	105	41	2.83	−0.73	5
1897	75.2	−0.5	101	49	2.33	−1.23	6
1898	76.7	+1.0	100	55	3.83	+0.27	7
1899	78.1	+2.4	102	51	3.09	−0.47	6
1900	80.4	+4.7	104	52	2.74	−0.82	6
1901	75.5	−0.2	101	50	5.12	+1.56	12
1902	75.6	−0.1	103	45	2.43	−1.08	7
1903	75.5	−0.2	100	49	3.27	−0.29	8
1904	75.2	−0.5	100	45	2.64	−0.92	8
1905	75.7	0.0	99	42	3.82	+0.26	9
1906	77.4	+1.7	99	45	4.37	+0.81	10
1907	74.8	−0.9	99	48	4.27	+0.71	10
1908	76.3	−0.6	104	49	2.79	−0.77	6
1909	76.9	+1.2	104	45	2.60	−0.96	7
1910	74.0	−1.7	100	46	2.72	−0.84	6
1911	76.2	+0.5	106	45	4.03	+0.47	10
1912	73.7	−2.0	98	43	4.71	+1.15	13
1913	78.0	+2.3	108	44	2.81	−0.75	7
1914	76.0	+0.3	100	49	5.94	+2.38	12
1915	71.3	−4.4	100	42	6.29	+2.73	14
1916	75.0	+1.3	101	47	4.25	+0.69	9
1917	73.9	−1.8	100	42	3.49	−0.07	8
1918	80.2	+4.5	111	50	3.18	−0.38	7
1919	75.0	−0.7	104	47	3.49	−0.07	8
1920	73.4	−2.3	98	43	5.56	+2.24	13
1921	76.9	+0.3	101	48	5.28	+1.72	10
1922	75.2	−0.5	101	47	2.43	−1.13	6

Climatological Data for August, 1922.

Stations	Counties	Elevation, feet	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, inches.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division																				
Beaver Dam	Ohio	441	18	76.0	−0.4	98	18	49	11	38	0.63	−2.68	0.44	0	4	23	2	6	s.	Miss Addie B. Taylor
Bardwell	Carlisle	445	40	76.2	−0.6	94	7	56	28	28	1.68	1.46	1.00	0	4	13	7	11	sw.	E. W. Horr.
Bardwell	Carlisle	445	19	76.4	−1.0	97	18	52	11	39	2.04	−1.61	1.09	0	4	15	14	2	se.	W. A. Taylor.
Clarkson	Hopkins	420	31	76.7	−0.4	101	18	50	11†	40	0.62	−2.53	0.46	0	4	26	1	4	s.	Brick Southworth.
Fairdealing	Marshall	519	5	75.4	.....	97†	18	49†	11	38†	0.84	.....	0.62	0	4	9*	18*	3*	s.	C. R. Lovell.
Henderson	Henderson	327	13	.....	.....	.....	.....	.....	.....	.....	4.65	+1.89	3.39	0	6	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	25	78.5	+0.7	100	18	53	28	40	1.66	−1.39	0.66	0	6	14	13	4	s.	W. E. Graves.
Hopkinsville	Christian	551	23	77.6	−0.5	99	18	55	10†	33	1.21	−1.58	0.43	0	4	18	8	5	nw.	B. C. Paris.
Madisonville	Hopkins	364	11	.....	.....	.....	.....	54	27	.....	0.99	−2.34	0.56	0	2	24	5	2	sw.	N. E. Douthit.
Maywood	Graves	364	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Owensboro	Daviess	479	25	74.7	−1.7	96	18	53	12†	36	1.23	−2.36	0.53	0	6	18	9	4	ne.	Henry S. Berry.
Paducah, Lone Oak	McCracken	356	5	78.2	.....	99	18†	56	10	37	.....	.....	.....	0	.....	18	13	0	s.	D. T. Hayden.
Paducah *	McCracken	344	33	80.0	−0.6	98	4†	55	27	39	0.80	−2.48	0.40	0	4	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	11	79.4	−3.2	95	24	53	28	38	0.93	−2.53	0.51	0	4	14	9	8	n.	Dr. W. L. Cash.
Russellville	Logan	590	9	75.7	−2.4	96	6†	51	11†	39	0.80	−1.63	0.65	0	5	22	0	9	s.	E. C. Shelton.
Central Division																				
Anchorage	Jefferson	700	21	74.8	−0.1	100	17	50	10	39	0.76	−3.13	0.32	0	5	21	10	0	sw.	C. E. Barret.
Bardstown	Nelson	657	25	75.7	−1.6	97	16	53	28	32	1.83	−1.78	0.63	0	6	18	8	5	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	31	77.0	−1.3	97	17†	55	11†	35	5.82	+2.30	3.28	0	5	18	6	7	s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	540	4	.....	.....	.....	.....	.....	.....	.....	2.54	.....	0.78	0	7	.....	.....	.....	.....	James H. Young.
Brown-Stone	Pulaski	773	29	.....	.....	.....	.....	.....	.....	.....	4.30	+0.14	1.45	0	9	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Signal Corps, U. S. A.
Camp Knox	Hardin	736	0	.....	.....	.....	.....	.....	.....	.....	1.96	−0.86	0.62	0	7	.....	.....	.....	.....	Charlie Oliver.
Carrollton Lock No. 1	Carroll	492	22	.....	.....	.....	.....	.....	.....	.....	6.61	.....	0.42	0	4	.....	.....	.....	.....	W. A. Cockerill.
Centerfort	Breckenridge	375	8	.....	.....	.....	.....	.....	.....	.....	2.65	−1.69	1.08	0	6	4	18	9	s.	Mrs. Katie Payne.
Eubanks	Pulaski	1177	27	72.6	−1.2	93	17	49	28	32	1.73	−1.95	1.02	0	4	22	2	7	s.	Mrs. Amelia Wood
Frankfort	Franklin	560	28	75.6	−0.6	95	16†	53	11	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Franklin	Simpson	691	26	76.5	−0.4	97	17	53	11	34	2.44	−0.86	1.09	0	4	12	17	2	s.	Volney Jameson.
Glasgow	Barren	788	0	76.4	.....	99	17	54	12	36	4.20	.....	3.25	0	4	28	1	2	s.	Dr. Fidella Edwards.
Greensburg	Green	581	29	72.7	−2.6	95	18	48	11	36	5.38	+1.48	3.00	0	13	2	14	15	s.	Mrs. Bettie K. H. Alvorn.
Hope Bridge	Jessamine	762	19	.....	.....	.....	.....	.....	.....	.....	2.88	−1.17	1.50	0	6	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	24	75.7	−0.3	96	17†	56	9†	30	0.89	−2.71	0.72	0	4	20	7	4	sw.	W. J. Piggott.
Jamestown City	Boyle	985	28	74.2	−0.3	96	17	48	28	39	2.95	−0.60	1.63	0	7	4	17	10	se.	Prof. E. L. Grubbs.
Leitchfield	Grayson	635	26	75.4	0.0	96	18	53	28	32	0.85	−2.82	0.78	0	2	16	13	2	nw.	John E. Stone.
Lexington	Fayette	989	34	74.7	+0.1	93	19	55	10	27	2.20	−1.37	1.07	0	10	14	10	7	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	49	76.4	−0.6	96	17	57	11	27	1.63	−1.88	0.75	0	5	15	13	3	ne.	U. S. Weather Bureau.
Do. Cherokee Park	Do.	534	12	73.1	2.2	92	17	53	11	26	1.78	−2.37	0.75	0	8	16	11	4	sw.	Wm. I. Hunt.
St. John	Hardin	777	25	75.2	−0.5	98	17*	52	28	35	2.92	−0.71	1.62	0	6	25	4	2	.....	Sisters of Loretto.
Scott ¶	Kenton	960	24	73.8	1.3	95	18	52	10†	33	3.04	−0.50	0.75	0	7	8	19	4	n.	E. B. Wilson.
Shelbyville	Shelby	825	32	75.3	−0.2	99	18	51	10	34	3.00	0.26	1.55	0	6	7	5	19	s.	Mrs. W. T. Miller.
Spencer	Spencer	485	19	73.5	−0.8	95	16*	50	11	35	2.33	−1.54	1.90	0	6	19	8	4	n.	E. D. Bourne.
Williamstown	Grant	963	18	75.1	−1.1	95‡	16	50	9*	32‡	2.42	−1.77	1.11	0	7	14	11	6	nw.	Mrs. E. S. Humlong.
Woodburn	Butler	533	4	.....	.....	.....	.....	.....	.....	.....	2.28	.....	1.82	0	6	.....	.....	.....	.....	J. C. Stinson.
Eastern Division																				
Ashland	Boyd	534	3	73.4	.....	94	17†	48	10	35	1.83	.....	0.55	0	9	23	2	6	se.	Forester Farley.
Beattyville	Lee	650	17	74.0	1.2	98	16	50	10†	39	2.90	−1.58	1.57	0	8	12	10	9	w.	Mrs. Sabina E. Hall.
Byron	Madison	1050	18	.....	.....	96*	18	.....	.....	.....	2.56	−2.08	2.30	0	3	21*	8	0	n.	F. C. Thompson.
Cynthiana	Harrison	684	4	.....	.....	.....	.....	.....	.....	.....	2.95	.....	1.40	0	5	.....	.....	.....	.....	P. H. Kelsoe.
Falmouth	Pendleton	666	33	.....	.....	.....	.....	.....	.....	.....	3.66	−0.47	1.19	0	10	16	9	6	se.	J. V. Oldham.
Farmers	Rowan	668	13	73.6	0.5	97	18	47	28	38	5.64	+1.67	3.50	0	8	9	15	7	ne.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	73.0	.....	93	16	51	20	33	1.72	−1.64	0.70	0	7	14	14	3	ne.	Dr. Dan Fortune.
Lemon	Kenton	882	15	.....	.....	.....	.....	.....	.....	.....	3.55	−0.28	1.10	0	11	.....	.....	.....	.....	F. D. Snyder.
Maysville	Mason	524	24	74.4	−1.3	98	18	52	10	32	3.40	−0.68	1.00	0	8	15	11	5	.....	Harry M. Robinson.
Middlesboro	Bell	1128	24	72.6	1.8	91	7	53	10†	31	3.93	+0.40	1.00	0	13	16	15	0	.....	B. H. Perkins.
Mount Sterling	Montgomery	960	32	74.0	0.1	97	17†	49	10	34	3.42	−0.55	1.14	0	10	18	1	12	w.	W. R. McKee.
Olympus	Greenup	540	2	.....	.....	.....	.....	.....	.....	.....	2.73	.....	0.71	0	9	.....	.....	.....	.....	Chas. Folsom.
Owenton	Campbell	443	0	.....	.....	.....	.....	.....	.....	.....	3.28	.....	1.38	0	8	.....	.....	.....	.....	Andrew M. Stanforth.
Pineville	Bell	951	16	.....	.....	.....	.....	.....	.....	.....	2.99	−1.15	0.84	0	9	.....	.....	.....	.....	I. M. Williams.
Richmond	Madison	926	27	75.8	+0.2	97	16	56	10†	32	1.69	−1.91	1.30	0	5	16	7	8	.....	J. W. Crooke
Vanceburg	Lewis	525	5	.....	.....	.....	.....	.....	.....	.....	2.16	.....	0.77	0	5	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	939	24	74.2	−1.9	93	6†	51	29	36	4.41	−0.11	1.57	0	13	11	12	8	ne.	Mrs. Ruth Inman.
State averages and extremes		.....	.....	75.2	.....	101	18	47	28	40	2.13	.....	3.50	0	6	16	9	6	s.	

All temperature data are taken from self-registering thermometers.
The departure from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining extremes or division means.
Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, b represents two days, etc.
§ Also on other dates. ** Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.
¶ Post-office address, Covington, Ky. *Temperature data by Evening Sun.

Aug. 3.—A man was killed by lightning near Exie, Green County. A barn was burned by lightning near Pilot Knob.

Aug. 6.—Hail damaged crops in Scott and Mason counties. Wind wrecked several buildings and lightning burned three barns in Mason County.

Aug. 16.—A woman was killed by lightning near Livermore, while removing cloth strung on a wire fence.

Aug. 23.—A windstorm that caused damage estimated at $50,000 in Jeffersonville, Ind., crossed the Ohio River at Towhead Island and damaged buildings and other property to the extent of $100,000 in eastern Louisville. One person was killed and 13 injured in Louisville. Windstorms in Shelby and Henry counties destroyed 50 or more silos and tobacco barns, the latter containing a part of the new crop, with losses estimated at $500,000. Three persons were injured at Eminence, where the damage by wind was probably $100,000. Many barns and silos were destroyed and growing crops damaged in a windstorm in Mason County, with a loss estimated at $50,000. A heavy rain at Campbellsville washed out bridges, swept away several houses, drowned livestock, and damaged crops. Most

Daily Precipitation for August, 1922.

Stations	Day of month.																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam [1] G		.10														.51					.07	1.00	.02	.44	.07						0.63
Blandville M															T.	T.						T	10		T						1.68
Carlinton G							T.									.03	T.					T	79	1.09	T		.05			11	2.64
Earlington [1] G																.09		.07					02	.46						11	6.02
Greenville G																								.62						.06		6.84
Henderson [1] O		.10		.15												.25						.10	.75	3.30							4.55
Hopkinsville [1] C			.66													.10	T.		.05			T.	.15	.63		T				.07	1.66
Marion O		T.				T.								.30								.23	.43			T			.25		1.21
Mayfield M						.43																.56									6.89
Owensboro [2] O		.35															.03	T.				T	.05	.53	T		.02			.20	1.23
Paducah (Lone Oak) O																																
Paducah O																																
Princeton G		.01													T.	.10					T.	.40	.20							.10	0.80
Russellville [1] G			.03													.01						.51	.46			T					0.99
Central Division.																	.04							.65		.16				.02	0.90
Anchorage O		.21		.09		T.											T.	T.				.11	.32					T	.03		0.76
Bardstown [1] S		.05																.32					.55	.63	.20					.08	1.83
Bowling Green [1] G		.65														1.29							3.28	.45	.15						5.82
Brownsville C							T									.78	.60	.11	.07				.75	.07	.16	T.				T.	2.54
Burnside [1] C		.14	.08				.42				T					.12	.10	.08					.88	1.03	1.45						4.30
Camp Knox** O																																
Carrollton [1] (Lock No. 1) O		.18	.02		.17													.01	T.				.34	.62					.62	T.	1.96
Cloverport [1] O							.01										T.		T.			T.	.05	.42						.13	0.61
Eubank [1] C		T.	.30				.75											T.						.30	.12	1.08					.10	2.65
Frankfort [1] K		.16										T.	T.											.13	.42	1.02						1.73
Franklin G		1.09																T.					.58	.03	.74							2.44
Glasgow G		.35																														
Greensburg [1] G	.05	.06	.09			.25	.15										.01		.30				.16	.65	.52	3.00	.06			.08	5.28
High Bridge [1] K	.02																	T.					.36	1.56	.52	.12			.30		2.88
Irvington O		.06	T.			T.																	.72	.06					.05		0.89
Junction City K		.08					.07										.07	.30					T.	.65	1.63	T.	.15				2.55
Leitchfield G		.07																														
Lexington *** K		.18				T.					1.07					.01	.06						.75		T.	T			T		0.85
Louisville*** O		.07					.12											T.					.02	.18	.17	T	.02		.16	.32		2.20
Do. (Cherokee Park) O		.13	T.			.25	.04											T.					.75	T	.59	T.			.10	T		1.63
St. John [1] S		.13					.43											T.					.14	.38	.75				.03	.06		1.78
Scott L	.35						.63											T.	1.62				.37	.33						.04		2.52
Shelbyville [1] S		.07										T.						T.					.51	.27	.75				.15	.38		3.04
Taylorsville S		.16	T.															.05						.05	1.26	1.55				.02		3.00
Williamstown [1] L		.49		T.		.06											.02						.03	1.15	1.90				T.	.04		2.23
Woodbury [1] G		.13					.15											T.	.17					.29	1.11	.01	T.			29			2.32
Eastern Division.																	.07	.08						1.82			.03					2.28
Ashland [2] O	.40		.28	.03			.02												.55				.23	.22		.10			.05			1.83
Beattyville [1] K				.08																			.16	1.57	.44	.14				.47		2.80
Boone K																		.05	.05				.09	2.30		.11						2.56
Cynthiana [1] K	.40					T.																	.02	2.30								
Falmouth [1] L	.08	.81	.10			.16									.15				1.40			.20	.10		.85	T	T.		T			2.95
Farmers [1] L		.70	.18	.59															.12				19	1.19					.21	.65		3.06
Jackson [1] K		.11	.10	.10															3.50				.12	.28		.13				.14		5.04
Louisa K	.33	1.67	.03	.06			.10												T.				.41	.70		.10				.26		1.72
Maysville [1] O	.50	.08	.37																.84				.03	1.10	.04	.13				.32		3.55
Middlesboro C		.06	.25	.04		.09	1.00												.24				.38	1.00	T.					.55	T	3.40
Mount Sterling [1] L	.06	.04	1.14	.55			T.							.93	.28	.10							.29	.65	.07	.12				.05		3.93
Oliver [2] O	.71		.03	.65		.12	.03										T.		T.				.20	.14	.95	.11			.15	.03		3.42
Oneonta [1] O		.12				.41	.16												.30				.23	.55					.11			2.73
Pikeville [1] B			.28				.32												.15				.53	1.38	.25				.36	.05		3.28
Stanwood [2] K							.06							.18									.38	.84	.38	.28				.18		2.90
Vanceburg [1] O		.46					.14														T.		T	1.30		.13		.01	.19			1.69
Williamsburg [1] C			.33	1.57			.19							.05			10	T.	.06	.33		.17	.28	.39	.81	.11			.10		.02	4.41

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

[1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. • Precipitation included in the next following measurement.

[2] Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland

T Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

of the bridges on the L. & N. Railroad between Campbellsville and Greensburg were washed out. Losses were estimated at $200,000. Heavy hail damaged tobacco and wind destroyed 12 barns in Henderson County, with a loss estimated at $100,000. Hail also caused some damage to crops in Boyle and Mercer counties. Wind damaged trees and wire systems at Danville.

Two persons were killed and one injured near Springfield when lightning struck a barn in which they had taken refuge, and a boy was killed at Beattyville when his home was struck and burned. Several persons near Springfield and one near Christiansburg were shocked by lightning.

River:— All streams were low during the month.

Daily Temperatures for August, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	93	90	89	93	92	95	95	85	85	83	86	90	94	94	96	94	97	98	94	93	90	85	85	94	97	84	83	83	92	77	95	90.4
	Minimum	62	65	61	60	62	67	68	63	55	54	49	55	60	62	66	71	68	65	65	55	60	70	70	72	74	52	55	50	55	64	61	61.7
Blandville	Maximum	89	91	88	90	91	92	94	81	82	83	84	86	90	89	87	90	89	92	93	90	89	74	85	92	90	75	79	82	87	77	83	86.6
	Minimum	70	67	67	66	67	69	70	65	58	57	58	58	67	69	71	70	66	69	70	66	66	67	69	73	72	61	58	56	61	67	66	65.7
Calhoun	Maximum	90	88	89	91	90	95	95	88	83	82	86	88	91	89	91	94	97	94	92	89	82	83	91	90	75	79	82	87	77	89	88.5
	Minimum	68	67	65	62	64	56	70	66	57	57	52	59	62	63	68	73	66	67	72	58	67	72	68	74	72	63	62	54	58	66	66	64.3
Earlington	Maximum	91	92	90	94	93	96	95	89	85	84	86	90	93	92	93	96	98	101	97	94	89	84	84	95	96	82	83	89	92	83	92	90.9
	Minimum	67	68	63	60	63	59	71	63	56	51	50	50	63	63	66	70	67	66	70	58	61	70	70	74	72	53	56	51	56	67	65	62.5
Greenville	Maximum	89	89	86	92	92	93	93	89	84	82	86	91	91	92	92	92	94	97	93	92	90	81	..	92	95	84	84	87	..	91	91	[1]89.8
	Minimum	65	65	61	58	62	58	63	62	55	52	49	63	59	62	63	68	64	65	68	59	57	67	..	66	76	52	55	58	..	53	64	[1]61.1
Hopkinsville	Maximum	92	86	90	94	95	96	96	87	87	88	91	94	96	96	96	98	99	100	98	99	93	85	84	98	97	85	86	90	96	89	95	92.7
	Minimum	73	68	62	60	62	62	68	67	60	56	57	58	63	68	68	71	67	67	70	63	63	71	68	72	77	56	60	53	55	63	66	64.3
Marion	Maximum	90	92	87	91	92	94	94	81	82	65	86	89	92	86	88	89	93	99	94	94	89	82	85	94	92	82	81	85	90	82	86	88.7
	Minimum	70	69	66	67	67	66	71	64	58	55	60	69	69	69	73	80	76	69	69	62	69	68	70	75	75	59	58	57	64	68	66	66.6
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mayfield	Maximum	68	66	60	62	68	60	67	68	55	55	59	60	62	64	65	60	65	67	68	63	61	67	68	69	75	76	54	55	57	63	64	63.6
	Minimum	88	84	79	82	84	94	93	86	80	81	84	88	92	91	90	91	92	96	92	91	86	80	84	89	91	80	80	83	88	75	89	86.5
Owensboro	Maximum	68	65	63	60	60	58	70	63	56	60	57	53	62	60	67	71	64	65	68	65	62	68	68	70	75	59	56	58	56	61	67	62.9
	Minimum	91	86	92	94	94	98	98	85	85	87	88	88	93	93	83	81	84	87	90	86	90	91	90	95	99	97	85	84	89	90	83	90	90.2
Paducah (Lone Oak)	Maximum	72	70	68	70	67	68	72	67	59	56	58	58	58	60	70	79	68	73	67	72	66	68	70	72	79	60	62	57	60	64	65	66.3
	Minimum	90	87	89	88	97	98	98	85	89	90	92	92	93	95	95	96	97	98	98	94	92	89	88	98	98	85	85	92	97	83	92	92.6
Paducah	Maximum	73	70	70	66	71	67	68	69	62	60	59	59	62	67	73	74	70	75	74	70	66	67	70	77	80	62	66	60	58	67	67	67.4
	Minimum	85	89	86	84	92	88	88	82	75	81	77	83	87	87	85	87	90	94	94	85	87	81	82	95	92	79	79	84	94	83	84	85.7
Princeton	Maximum	68	67	64	61	65	73	68	65	59	57	56	56	63	66	69	71	66	75	70	79	71	68	68	74	78	58	58	58	53	66	62	66.2
	Minimum	90	90	87	91	91	96	94	86	85	82	87	91	92	92	95	92	96	94	91	90	84	83	94	95	85	82	87	91	82	93	89	89.8
Russellville§§	Maximum	68	66	58	58	62	57	62	65	55	55	51	56	63	65	63	68	64	64	68	62	59	69	68	69	71	54	56	51	55	62	65	61.6
Central Division.																																	
Anchorage	Maximum	89	86	86	87	90	91	89	80	83	82	83	92	93	96	96	99	100	99	95	90	90	94	79	92	92	83	83	86	89	79	92	89.2
	Minimum	65	61	60	58	59	57	67	56	52	59	54	59	61	60	62	65	61	65	66	58	57	68	67	69	69	52	57	51	56	63	67	60.5
Bardstown	Maximum	88	86	88	88	90	93	93	80	83	90	85	86	93	94	95	97	96	96	93	88	86	90	86	86	88	88	79	84	88	78	89	88.0
	Minimum	68	63	61	60	62	61	71	68	54	56	54	61	62	63	66	71	65	67	68	61	59	71	68	72	75	58	59	53	56	65	67	63.4
Bowling Green	Maximum	90	86	89	92	92	95	95	88	89	85	89	91	94	93	93	92	97	97	95	94	90	90	83	93	94	84	84	86	91	80	92	90.4
	Minimum	69	65	62	63	65	62	60	65	59	58	55	61	64	68	68	71	65	68	70	63	60	69	69	70	70	66	58	55	57	64	67	63.7
Camp Knox	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Elkhorn	Maximum	80	83	85	85	86	88	89	83	79	77	84	87	88	88	91	89	93	90	91	84	84	88	80	80	82	82	77	80	83	80	88	84.6
	Minimum	66	60	60	56	60	61	66	65	56	52	56	58	59	62	60	65	62	62	66	60	56	63	65	68	65	65	58	49	51	59	65	60.5
Frankfort	Maximum	89	86	87	88	88	92	92	89	81	79	85	86	90	92	92	95	95	98	95	88	84	90	88	89	88	81	79	82	85	86	88	87.7
	Minimum	68	63	64	62	64	62	72	65	55	55	53	63	63	61	63	70	68	67	71	61	59	69	69	72	69	58	63	55	57	63	67	63.6
Franklin	Maximum	93	85	86	89	89	94	93	90	83	89	87	88	92	89	92	93	97	95	95	92	88	90	82	93	96	85	81	85	91	84	93	89.5
	Minimum	70	66	61	62	66	61	71	67	59	56	53	61	63	66	65	71	67	67	70	62	61	72	68	71	73	58	60	54	58	66	65	64.2
Glasgow	Maximum	90	84	87	91	91	94	91	87	86	83	86	89	90	91	93	91	99	95	97	92	89	90	89	89	91	85	83	84	88	78	89	89.1
	Minimum	69	65	62	60	65	59	71	65	58	57	56	54	65	69	69	68	63	65	69	62	60	71	68	70	70	58	60	56	58	67	67	63.7
Greensburg	Maximum	86	83	86	89	89	91	92	83	81	79	84	86	89	91	91	94	92	95	90	87	85	91	80	84	84	82	79	81	85	76	88	86.2
	Minimum	65	60	60	56	59	58	63	62	52	52	48	57	60	60	61	65	61	60	66	56	54	65	65	67	64	58	58	50	51	60	63	59.2
Irvington	Maximum	85	84	84	87	86	90	91	80	81	78	83	87	89	91	91	93	96	96	91	87	86	86	82	89	91	80	80	82	87	80	89	86.5
	Minimum	69	68	65	63	64	61	72	64	56	59	57	61	64	65	68	72	66	69	67	61	63	72	69	74	77	57	58	56	60	65	70	64.9
Junction City	Maximum	88	84	88	89	91	92	93	85	82	80	87	87	92	92	94	95	96	94	94	88	87	91	83	84	84	84	89	87	85	88	88	88.4
	Minimum	70	59	58	56	60	58	67	61	57	51	50	58	60	56	59	68	62	62	65	57	52	64	65	69	64	64	58	48	51	63	64	59.9
Leitchfield	Maximum	87	87	85	89	88	92	90	86	82	80	86	88	92	91	92	91	94	96	92	89	85	85	80	87	92	81	80	83	87	80	92	87.2
	Minimum	67	64	63	63	65	60	68	66	56	58	55	61	64	64	65	72	64	66	68	61	60	65	68	70	75	58	57	58	58	63	66	63.5
Lexington	Maximum	84	80	84	84	86	90	87	76	77	77	85	84	89	90	92	93	93	93	87	80	83	87	80	83	83	79	76	82	83	80	86	84.3
	Minimum	65	62	66	66	67	69	71	63	56	55	58	65	68	67	68	71	68	70	68	62	61	69	66	69	68	64	61	62	63	63	66	65.1
Louisville	Maximum	87	83	85	87	88	90	88	76	79	79	84	87	90	92	93	95	96	94	89	87	83	87	78	90	89	79	83	86	75	89	86	86.0
	Minimum	69	65	68	68	65	67	70	66	60	58	57	65	68	69	69	73	72	73	71	65	65	70	73	69	74	68	68	64	59	65	69	66.9
Do (Cherokee Park)	Maximum	84	77	81	82	84	87	84	74	74	76	79	84	84	87	89	90	92	90	85	84	80	84	77	86	87	76	75	77	83	74	83	82.2
	Minimum	67	63	64	63	62	62	72	66	57	54	53	60	63	64	66	69	67	68	69	60	61	69	69	72	74	58	61	56	60	67	67	64.0
St. John	Maximum	90	87	88	91	91	94	93	80	84	79	84	89	91	93	94	95	98	98	90	87	85	90	79	88	92	83	83	85	88	78	91	88.3
	Minimum	68	64	63	61	62	60	69	66	55	58	55	61	60	60	64	69	64	66	67	56	60	65	66	70	71	58	58	52	53	61	64	62.1
Scott	Maximum	86	84	86	86	91	85	85	79	75	75	83	85	88	90	93	94	95	98	95	85	82	81	83	84	90	84	76	76	85	84	83	85	85.2
	Minimum	65	62	64	62	59	64	65	64	58	52	55	63	63	64	65	63	65	68	67	59	56	67	68	70	67	58	59	52	61	65	67	62.3
Shelbyville	Maximum	89	85	87	89	91	93	90	80	83	81	87	90	93	94	97	98	98	99	93	88	85	95	80	92	89	81	80	83	86	81	88	88.5
	Minimum	65	61	63	60	62	61	70	62	58	51	53	62	63	61	64	68	64	66	70	58	59	70	67	71	65	55	61	54	57	62	66	62.1
Taylorsville	Maximum	86	83	84	86	87	92	85	79	80	80	84	85	88	90	93	95	95	96	90	85	84	91	86	89	88	79	77	80	86	78	86	86.0
	Minimum	66	67	61	59	61	59	69	60	51	51	50	57	59	59	61	69	65	64	69	56	55	63	62	68	69	57	56	52	55	57	61	61.0
Williamstown	Maximum	87	85	86	87	88	93	89	86	79	79	84	91	91	96	95	88	90	95	88	88	84	86	84	89	89	77	76	76	84	84	85	[2]85.8
	Minimum	61	59	61	60	61	61	65	60	50	50	52	60	62	60	63	66	66	66	66	57	54	65	65	68	66	55	57	52	59	62	64	60.4
Eastern Division.																																	
Ashland	Maximum	86	86	81	88	89	90	84	84	78	79	82	85	89	89	84	91	94	94	89	80	84	92	89	84	89	85	78	84	87	90	89	86.2
	Minimum	64	62	62	58	62	58	72	69	57	48	56	58	64	66	66	65	64	64	61	59	49	62	60	66	64	56	61	55	55	64	68	60.5
Beattyville	Maximum	88	83	87	88	89	92	91	86	83	81	86	90	92	87	96	98	97	95	93	87	89	92	83	79	85	86	88	86	87	86	79	88.0
	Minimum	67	63	60	60	60	63	63	60	53	50	51	56	58	60	63	63	63	62	68	55	70	60	61	68	67	63	58	51	53	59	63	60.0
Berea	Maximum	84	81	..	..	87	90	88	82	79	78	86	86	90	91	98	93	95	96	91	84	86	91	85	84	84	88	77	81	85	85	90	[3]86.3
	Minimum	68	61	..	..	61	60	60	60	53	57	50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Farmers	Maximum	89	87	87	88	91	90	92	84	83	82	80	85	89	91	92	92	96	96	97	89	85	86	92	85	86	88	89	90	85	88	90	88.0
	Minimum	63	61	59	59	58	61	66	68	50	50	49	55	59	59	60	64	61	60	68	54	52	60	66	66	64	56	59	47	52	61	66	59.1
Jackson	Maximum	86	81	84	85	86	89	89	84	79	78	83	85	88	81	90	93	92	92	88	84	84	89	84	78	84	85	77	80	85	86	82	84.8
	Minimum	68	62	62	63	64	64	65	61	60	52	55	57	59	63	64	67	64	63	66	54	54	60	64	69	68	63	60	55	55	65	66	61.3
Maysville	Maximum	86	87	88	88	88	92	87	80	78	79	84	86	90	92	92	94	97	98	90	82	83	90	90	90	90	85	86	81	86	86	85	86.8
	Minimum	65	63	63	62	63	60	68	66	55	52	53	59	60	61	65	66	65	68	70	60	54	62	68	70	66	64	63	56	55	63	66	62.1
Middlesboro	Maximum	86	85	86	87	87	88	91	84	80	79	82	85	86	87	87	89	88	89	83	85	83	85	80	76	79	86	75	79	84	85	86	84.1
	Minimum	65	62	63	59	61	64	64	65	60	53	56	57	57	57	61	63	62	63	64	62	54	59	65	65	66	64	59	53	58	57	73	61.2
Mount Sterling	Maximum	88	84	86	89	89	91	85	82	80	78	84	87	89	91	92	94	97	97	96	92	84	93	89	85	86	84	83	81	86	82	88	87.5
	Minimum	65	62	61	59	59	63	65	64	52	49	54	59	63	60	60	63	65	64	64	58	51	63	68	67	66	59	58	50	53	62	66	60.4
Richmond	Maximum	86	82	86	86	88	91	88	79	81	82	87	86	93	94	97	96	94	98	92	88	85	92	82	82	84	84	80	83	86	82	89	87.2
	Minimum	66	62	64	62	66	66	70	64	56	55	55	62	65	65	67	71	67	74	71	60	58	68	67	69	70	65	61	55	59	66	67	64.4
Williamsburg	Maximum	89	84	87	87	89	90	95	93	87	81	80	84	87	89	87	93	90	93	92	91	86	85	87	82	82	87	78	82	87	85	89	86.9
	Minimum	68	61	61	59	61	64	64	68	61	52	54	58	60	67	64	65	68	62	66	61	54	60	65	68	70	66	59	53	51	59	65	61.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, *, * etc. indicate respectively 1, 2, 3, etc., days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., SEPTEMBER, 1922. No. 9

GENERAL SUMMARY.

Weather conditions during the month were characterized by high temperature and generally deficient precipitation. The climatic contrasts of previous months persisted, but were to some extent reversed. The northeastern counties were visited early in the month by good rains, which broke the drought and caused marked improvement in late crops. Favored later in the month by further rains, which also reached other parts of the State, this district produced fair to good crops of late corn, tobacco and potatoes. Drought continued during the first three weeks in the central and western counties, retarding growth and causing premature harvesting of corn and tobacco. In this district pastures and late potatoes were temporarily improved by the late rains; but the dry, hot weather of the last decade soon checked growth. Potatoes practically failed in most of this area. Corn and tobacco on hilly upland "fired" badly, and had generally been harvested by the end of the month; but a considerable acreage of both crops was still uncut in the northern and eastern counties, where conditions of growth were better. Excellent quality of grain was assured by the quick drying of early corn in shock. The rapid curing of early tobacco improved the color and quality of that which was not fully ripe when cut. The weather was exceptionally favorable for harvesting cowpea and alfalfa hay, although it caused light yields. The quality of this late hay was much better than usual. A beginning was made in fall plowing, following the rains late in the month, and some rye was sown for a cover crop; but the moisture did not penetrate deeply and in a few days the soil was again so dry and hard it could not be worked. Some grain died soon after sprouting. Pastures continued poor in most sections, and stock water was generally short in the hilly region. Conditions were favorable for packing and marketing fruit.

TEMPERATURE.

The temperature for the State, 41 stations reporting, averaged 72.7°, which is 2.7° above normal. Maximum temperatures ranging from 90° to 100° occurred daily during the first decade, which was the warmest ten days of the summer. Day temperatures were frequently high during the remainder of the month, but the nights were generally cool and the daily range large. The extremes were 103° on the 6th and 7th at Hopkinsville, and 39° on the 26th at Farmers.

PRECIPITATION.

The average precipitation for the State, based on reports from 55 stations, was 2.22 inches, which is 0.54 inch below normal. Moderate to heavy rains occurred in the northeastern counties, and scattered showers in other districts, in the period 1st-5th. Rain occurred fairly generally, but varying greatly in amount, during the periods 10-11th and 19th-21st; also as scattered showers during the last three days. As in the preceding months of this growing season, the distribution over the State was remarkably irregular, frequently varying as much as 2.0 to 4.0 inches in adjoining counties. Small areas, each including a few counties, in the central blue grass section, in the lower Kentucky and middle Green river basins, and near the lower Cumberland, received from 3.0 to 6.0 inches. In other districts monthly amounts were generally between 1.0 and 3.0 inches, and in a few localities were less than 1.0 inch. Amounts at the various stations ranged between 0.60 inch at Farmers and 5.99 inches at Lexington. Thunderstorms were frequent, and more damaging than usual in this month.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity	Max. Velocity.* Miles per hour	Direction.	Date.
Cairo ..... Ill.	30.06	30.27	26	29.88	10	4371	6.8	24	nw.	10
Cincinnati ..... Ohio	30.11	30.36	17	29.86	11	3511	4.1	16	sw.	1
Evansville ..... Ind.	30.10	30.30	16	29.90	10	5854	8.2	30	sw.	10
Lexington ..... Ky.	30.10	30.27	16	29.89	11	7737	10.7	48	e.	3
Louisville ..... Ky.	30.11	30.31	25	29.88	10	5738	8.0	30	n.	24

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	83	53	64	336.6	372.4	90	25	0
Cincinnati ..... Ohio.	74	51	61	317.1	373.1	85	23	2
Evansville ..... Ind.	78	48	53	315.5	372.9	85	22	0
Lexington ..... Ky.	78	52	.....	276.8	372.9	74	17	3
Louisville ..... Ky.	78	47	54	275.6	372.9	74	18	3

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature.				Precipitation.		
	Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Monthly average.	Departure from 30-year normal.	No. of days with .01 in. or more rain.
1889	72.1	+2.1	101	36	1.23	−1.53	..
1890	67.0	−3.0	95	36	2.71	−0.05	..
1891	69.5	−0.5	97	42	1.89	−0.87	..
1892	68.5	−1.5	93	38	2.68	−0.08	..
1893	69.6	−0.4	99	35	3.24	+0.48	..
1894	71.7	+1.7	98	37	2.51	−0.05	..
1895	73.4	+3.4	101	27	1.10	−1.66	3
1896	68.6	−1.4	100	30	3.77	+1.01	7
1897	72.8	+2.8	105	31	0.21	−2.56	1
1898	73.4	+3.4	103	42	4.56	+1.60	9
1899	68.7	−1.3	105	27	1.66	−1.10	5
1900	74.6	+4.6	102	35	2.25	−0.51	8
1901	68.1	−1.9	98	33	3.57	+0.81	6
1902	67.3	−2.7	97	29	4.01	+1.25	10
1903	69.1	−0.9	100	32	0.91	−1.85	4
1904	71.1	+1.1	99	34	2.58	−0.18	8
1905	70.2	+0.2	95	36	2.61	−0.15	6
1906	73.0	+3.0	95	45	6.15	+3.39	13
1907	69.1	−0.9	102	35	3.00	+0.24	6
1908	71.6	+1.6	101	30	1.03	−1.73	3
1909	67.7	−2.3	97	32	2.51	−0.25	6
1910	71.8	+1.8	99	38	4.41	+1.65	9
1911	74.3	+4.3	99	46	3.71	+0.95	10
1912	71.0	+1.0	103	33	2.80	+0.04	7
1913	69.6	−0.4	106	29	2.49	−0.27	8
1914	67.8	−2.2	97	36	2.96	+0.20	6
1915	70.7	+0.7	99	32	3.52	+0.56	7
1916	67.2	−2.8	98	32	3.48	+0.72	6
1917	67.7	−2.3	98	34	2.56	−0.20	5
1918	62.8	−7.2	92	30	2.94	+0.18	8
1919	71.5	+1.5	102	40	1.69	−1.07	4
1920	70.8	+0.8	96	38	3.30	+0.54	9
1921	75.5	+5.5	99	45	5.37	+2.61	13
1922	72.7	+2.7	103	39	2.22	−0.54	5

Climatological Data for September, 1922.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.			Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	18	73.3	+ 2.4	101	2	40	26	45	1.40	−1.28	0.50	0	4	28	0	2	w.	Miss Addie B. Taylor
Blandville	Ballard	445	40	72.5	+ 1.6	94	7	47	26	34	1.85	−1.80	1.20	0	4	19	8	3	sw.	E. W. Horr.
Calhoun	McLean	437	19	73.0	+ 1.0	97	2	48	18†	34	2.46	−0.32	0.92	0	6	18	10	2	s.	W. A. Taylor.
Earlington	Hopkins	420	31	73.4	+ 2.3	100	7	46	26	41	1.05	−0.74	0.83	0	4	23	4	3	s.	Brick Southworth.
Greenville	Muhlenburg	519	5	*73.2	.....	102a	8	42a	26	42a	1.10	.....	0.57	0	4	16a	12a	1a	s.	C. R. Lovell.
Henderson	Henderson	327	13	.....	.....	.....	.....	.....	.....	.....	3.45	+0.61	1.75	0	3	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	25	77.0	+ 5.1	103	6†	49	26	41	3.15	+0.12	2.76	0	3	21	3	6	s.	W. E. Graves.
Marion	Crittenden	571	23	73.6	+ 1.4	97	7	45	26	35	3.44	+0.40	1.28	0	4	20	6	4	sw.	B. C. Paris.
Mayfield	Graves	364	11	75.2	+ 4.1	102	7†	47	26†	47	1.63	−1.20	0.40	0	5	23	7	0	sw.	N. E. Douthit.
Owensboro	Daviess	479	25	72.5	+ 1.8	96	6†	47	26	33	1.46	−1.36	0.70	0	5	22	7	1	s.	Henry S. Berry.
Paducah(Lone Oak)	McCracken	516	5	75.1	.....	102	7	49	26	37	1.70	.....	0.75	0	3	20	9	1	w.	D. T. Hayden.
Paducah *	McCracken	341	33	76.2	+ 1.8	101	6	50	27	36	1.18	−1.76	3.52	0	4	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	11	72.2	+ 0.8	98	7	47	26	34	3.00	+0.22	1.76	0	6	14	12	4	n.	Dr. W. L. Cash.
Russellville	Logan	590	9	*73.9	+ 2.4	100f	7	45e	26	38f	1.68	−1.40	0.55	0	6	20e	0e	5e	s.	E. C. Shelton.
Central Division.																			
Anchorage	Jefferson	700	21	73.0	+ 4.5	100	8	43	18	42	1.43	−1.23	1.21	0	4	21	6	3	sw.	C. E. Barret.
Bardstown	Nelson	657	25	72.6	+ 0.7	97	7†	45	26	35	2.88	−0.02	1.42	0	6	23	3	4	s.	Chas. M. Talbott.
Bowling Green	Warren	500	31	73.8	+ 2.1	96	3†	46	26	36	3.59	+0.46	1.35	0	6	17	7	6	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	4	.....	.....	.....	.....	.....	.....	.....	1.93	.....	0.98	0	6	.....	.....	.....	.....	James B. Young.
Burnside	Pulaski	773	29	.....	.....	.....	.....	.....	.....	.....	2.49	−1.05	0.97	0	5	.....	.....	.....	.....	F. E. Bradshaw.
Camp Knox	Hardin	736	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Signal Corps, U. S. A.
Carrollton(Lock No.1)	Carroll	492	22	.....	.....	.....	.....	.....	.....	.....	4.48	+1.65	2.65	0	6	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	8	.....	.....	.....	.....	.....	.....	.....	1.58	.....	0.45	0	6	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	27	71.3	+ 2.6	94	7†	48	13†	36	0.89	−1.63	0.40	0	3	11	10	9	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	28	72.5	+ 4.0	94	2†	49	26	31	2.14	−0.72	0.60	0	6	23	1	6	s.	Mrs. Amelia Wood
Franklin	Simpson	691	26	74.4	+ 2.4	98	2	45	26	35	2.16	−1.20	1.30	0	5	11	16	3	s.	Volney Jameson.
Glasgow	Barren	788	0	74.1	.....	95	2†	47	26	36	1.35	.....	0.90	0	4	24	3	3	s.	Dr. Fidelia Edwards.
Greensburg	Green	581	29	69.9	+ 0.3	93	8	40	26	37	1.84	−1.22	0.81	0	5	16	2	12	se.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	19	.....	.....	.....	.....	.....	.....	.....	1.26	−1.71	0.63	0	6	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	24	73.3	+ 2.9	97	8	47	26	35	0.98	−2.01	0.68	0	3	23	3	4	sw.	W. J. Piggott.
Junction City	Boyle	985	28	71.2	+ 1.6	96	6	44	14	44	1.90	−1.16	0.95	0	6	16	10	4	s.	Prof. E. L. Grubbs.
Leitchfield	Grayson	635	26	72.6	+ 2.8	96	2†	47	26	35	5.67	+2.03	2.70	0	5	21	7	2	sw.	John E. Stone.
Lexington	Fayette	989	34	72.7	+ 4.8	94	8	47	26	28	5.59	+3.57	5.45	0	5	19	7	4	ne.	U. S. Weather Bureau.
Louisville	Jefferson	525	49	73.6	+ 3.1	95	8	48	26	29	1.39	−1.24	1.12	0	5	23	3	4	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	12	70.0	+ 2.0	92	2	47	18†	30	1.53	−1.64	1.08	0	3	19	7	4	sw.	Wm. I. Hunt.
St. John	Hardin	777	25	72.0	+ 2.9	97	2†	46	18†	39	2.47	−0.65	1.30	0	6	22	3	5	.....	Sisters of Loretto.
Scott ¶	Kenton	900	24	71.1	+ 1.6	95	6	44	26	34	2.53	−0.02	1.25	0	5	19	8	3	s.	E. B. Wilson.
Shelbyville	Shelby	825	32	71.8	+ 2.6	95	2†	44	26	36	2.09	−0.76	0.80	0	5	19	4	7	n.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	19	70.6	+ 2.6	94	2	44	18	37	1.62	−1.61	0.88	0	5	22	4	4	s.	E. D. Bourne.
Williamstown	Grant	943	18	70.7	+ 2.1	94	2	43	26	33	1.57	−1.39	0.59	0	6	19	8	3	w.	Mrs. E. S. Humlong.
Woodbury	Butler	533	4	.....	.....	.....	.....	.....	.....	.....	3.81	.....	1.63	0	6	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																			
Ashland	Boyd	534	3	72.4	.....	95	7	42	18	39	3.34	.....	2.45	0	4	25	0	5	se.	Forester Farley.
Beattyville	Lee	650	17	72.6	+ 3.5	96	2†	45	26	36	2.41	−0.66	0.74	0	4	21	4	5	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	.....	.....	94b	9	47f	26	.....	.....	.....	.....	0	...	15b	1b	3b	.....	F. C. Thompson.
Cynthiana	Harrison	684	4	.....	.....	.....	.....	.....	.....	.....	3.97	.....	2.80	0	6	.....	.....	.....	.....	P. H. Rehoe.
Falmouth	Pendleton	600	33	.....	.....	.....	.....	.....	.....	.....	1.32	−1.14	0.95	0	4	19	6	5	se.	J. V. Oldham.
Farmers	Rowan	668	13	71.0	+ 3.3	98	6†	39	26	43	0.60	−2.34	0.60	0	1	14	13	3	n.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	71.2	.....	93	6	46	26	33	2.71	+0.13	1.48	0	4	26	8	2	ne.	Dr. Dan. Fortune.
Louisa	Lawrence	584	15	.....	.....	.....	.....	.....	.....	.....	2.06	−0.51	0.85	0	6	.....	.....	.....	.....	T. D. Snyder.
Maysville	Mason	524	24	72.0	+ 2.4	95	7	46	18	34	1.68	−1.55	0.90	0	3	21	3	6	w.	Harry M. Robinson.
Middlesboro	Bell	1128	24	71.0	+ 2.2	93	2†	48	24	38	1.65	−1.10	1.45	0	3	26	3	1	.....	B. H. Perkins.
Mount Sterling	Montgomery	920	32	70.8	+ 3.2	95	2	42	13	40	3.02	+0.08	1.22	0	6	17	7	6	w.	W. R. McKee.
Oliver	Greenup	540	2	.....	.....	.....	.....	.....	.....	.....	1.38	.....	1.10	0	3	.....	.....	.....	.....	Chas. Folsom.
Oneonta	Campbell	443	0	.....	.....	.....	.....	.....	.....	.....	2.45	.....	1.83	0	5	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	16	.....	.....	.....	.....	.....	.....	.....	1.62	−1.35	0.58	0	4	.....	.....	.....	.....	I. M. Williams.
Richmond	Madison	956	27	74.4	+ 3.9	96	8	48	26	33	3.26	+0.42	2.60	0	5	20	5	5	.....	J. W. Crooke.
Vanceburg	Lewis	525	5	.....	.....	.....	.....	.....	.....	.....	1.55	−1.08	0.83	0	3	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	939	24	72.8	+ 2.2	95	2†	48	23	41	0.88	−2.48	0.60	0	5	20	5	5	nw.	Mrs. Ruth Inman.
State averages and extremes				72.7	.....	103	6†	39	26	47	2.22f	.....	5.45	0	5	20	6	4	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, *, b, †, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. ** Received too late to be included in means and summaries. f Precipitation is less than 0.01 inch rain or melted snow.
¶ Post-office address, Covington, Ky. *Temperature data by Evening Sun.

MISCELLANEOUS

September 4. — A man and wife were killed by lightning at Middlesboro, while on the porch of their home. Two other persons inside the house were severely shocked.

September 20. — A building was destroyed and another damaged by lightning at Louisville, with a loss estimated at $25,000. A residence and stable were damaged by lightning at Bowling Green. A horse in the stable was killed. Hail destroyed crops in a small area including portions of several farms southwest of Bowling Green.

September 25. — Tobacco was damaged by hail near Leitchfield.

September 26. — Crops were damaged by hail near Williamsburg.

September 29. — A tank of oil was burned by lightning near Bowling Green.

Rivers. — All streams of the State, including the Ohio, were unusually low during the month.

Daily Precipitation for September, 1922.

Stations	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Western Division																																
Beaver Dam ‖ ..... G					.15						.35									.40	.50											1.40
Blandville ..... M	1.20									.49	T																					1.69
Calhoun ..... G			.48	.02						.59	.40								.03	.13											1.85
Carlington ‖ ..... G				.17	T.						.52									.92	.05											2.46
Greenville ..... G					.12				.02	.09										.83	.43											1.69
																				.87												1.10
Henderson ‖ ..... O											1.75																					
Hopkinsville ‖ C											.11									1.65	.05											3.45
Marion ..... O			T.	.90					T.	1.28	T.									.28	2.76							T.				3.15
Mayfield ..... M	.40									.30	.26								1.00	.26												2.44
Owensboro ‖ ..... O				.02							.35									.29								.38				1.63
																				.70	.16							T	23			1.46
Paducah (Lone Oak) ..... O	.75								.45																							
Paducah ‖ ..... O		.12								.24	.52									.50												1.70
Princeton ..... G	T.		.11	.30						.47									T.	1.76	.07					T.	T.					3.18
Russellville ‖ ..... G				.01	.06														.18	.55	.50							.29				3.66
																												.38				1.68
Central Division.																																
Anchorage ..... O				.01						T.	.16								T	1.21								.05				1.43
Bardstown ‖ ..... S											1.42									.50	.47							.31	.08	.10		2.88
Bowling Green ‖ ..... G				.07	.85						1.00									.80	1.35							.02				3.59
Brownsville ‖ ..... G											.98								.07	.26	.40							.08	.14			1.93
Burnside ‖ C											.50	.45									.40						.17					2.49
Camp Knox** ..... O																																
Carrollton ‖ (Lock No. 1) ..... O			2.65	.03							T.	.16								1.25	.16								.23			4.48
Cloverport ..... O				.45							.33									.16	.23							.01		.46		1.58
Eubank ‖ C											.40	.12									.37											0.89
Frankfort ‖ ..... K		.55	T.								.43									.02	.60								.15	.39		2.14
Franklin ..... G				1.30						.19	.11								.19	.37												2.16
Glasgow ..... G											.90									.20	.15							.10				1.35
Greensburg ‖ ..... G											.81	.03									.28							.59	.13			1.84
High Bridge ‖ ..... K		.63	.01								.35										.22							.02		.02		1.26
Irvington ..... O		T.								T.	.25									.68									.05			0.98
Junction City ..... K		.05	.04								.64									.95	.08								.14			1.90
Leitchfield ..... G		.35								1.08										1.07							.47	2.70			5.67
Lexington *** ..... K		5.45	T.							.11	.05									.37							.01				5.99
Louisville *** ..... O			.11							.11	.05								.05	1.07											1.39
Do. (Cherokee Park) ..... O			.05					T.	T.	.40									T.	1.08											1.53
St. John ‖ ..... S				T.						.40										.45	.25						1.30	.02	.05		2.47
Scott L		1.25								.10									.11	1.06	.01							T.				2.53
Shelbyville ‖ ..... S			.10	T.						.53										.45	.80							.21				2.09
Taylorsville ..... S		T.	T.						.29	.42										.88	T.						.01	.02				1.62
Williamstown ‖ L		.59	.23							.32										.19	.16							.08				1.57
Woodbury ‖ ..... G				.22						1.63										.43	1.41						.09	.03				3.81
Eastern Division.																																
Ashland ‖ ..... O		2.45	.04							.05	.80																					
Beattyville ‖ ..... K		.74		.48						.70	.49																					3.34
Berea ..... K																																2.41
Cynthiana ‖ L		2.80	T.	.30							.22									.30	.05								.30			
Falmouth ‖ L		.95	T.							.20										.12	.05							T.				3.97
																																1.32
Farmers ‖ L		.60																														
Jackson ‖ ..... K		.91		.31						1.48																						0.60
Louisa ‖ ..... B	.13	.03	.85	.03						.54	.48																	.01				2.71
Maysville ‖ ..... O		.90	.08	T.																												2.66
Middlesboro C			.12							1.45										.10												1.68
Mount Sterling ‖ L		1.22	.10	.48						T.	.38								.08													1.65
																				T.	T.							.31	.53			3.02
Oliver ‖ ..... O	T.	1.10	.10								.18																					
Oneonta ‖ ..... O		1.83	.25							.09										.20	.08											1.38
Pikeville ‖ ..... B		.54		.12							.58																.38					2.45
Richmond ‖ ..... K		2.60	T.							.65	.07										.29											1.62
Vanceburg ‖ ..... O		.83								.22	.50																	.25				3.26
Williamsburg ‖ C										.60	.13									T.							.07	.06	.02			1.55
																																0.88

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight

Daily Temperatures for September, 1922.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	92	101	98	91	97	97	99	95	96	96	80	82	88	95	96	86	82	85	92	80	81	89	90	92	83	80	84	83	89	90	..	89.6
	Minimum	62	67	65	68	60	59	64	70	67	66	61	49	49	50	55	59	52	45	55	60	55	54	54	56	49	40	60	50	59	60	..	57.0
Blandville	Maximum	78	89	88	86	90	92	94	92	91	88	76	76	83	83	88	84	79	82	84	75	75	84	86	86	75	76	83	84	84	86	..	83.9
	Minimum	67	69	69	72	69	72	73	73	72	67	59	51	54	58	62	64	59	53	59	61	56	58	58	58	51	47	49	56	59	59	..	61.1
Calhoun	Maximum	86	97	93	86	92	94	95	95	90	90	79	78	84	88	90	85	79	82	87	82	80	85	87	87	80	77	82	82	86	87	..	86.2
	Minimum	66	67	70	71	68	62	66	71	68	65	64	54	52	55	58	63	59	48	54	62	57	56	57	58	51	48	50	60	60	55	..	59.9
Earlington	Maximum	87	97	97	90	93	97	100	99	98	93	76	79	88	92	94	86	80	83	90	78	78	86	89	89	76	76	82	84	88	88	..	87.7
	Minimum	66	71	70	71	68	62	65	74	73	64	61	52	50	54	53	62	59	47	55	60	53	55	57	57	50	46	48	56	58	54	..	59.1
Fredonia	Maximum	86	93	97	90	93	97	100	99	98	93	76	79	88	92	94	86	80	83	90	78	78	86	89	89	76	76	82	84	88	88	..	[a]89.6
	Minimum	69	74	69	71	65	62	65	74	73	64	61	52	50	54	53	62	59	47	55	60	53	55	57	57	50	46	48	56	58	54	..	[a]56.7
Greenville	Maximum	84	97	98	..	97	97	99	102	98	95	85	82	93	93	94	88	82	86	92	82	81	90	91	91	90	81	78	85	83	89	90	91.8
	Minimum	64	66	66	..	64	59	62	67	66	68	59	49	48	51	56	60	57	46	54	58	53	53	55	55	49	42	48	58	59	58	..	56.7
Hopkinsville	Maximum	84	100	98	97	99	103	103	101	101	94	87	86	91	96	99	84	89	93	94	82	80	92	91	92	83	82	84	87	90	91	..	91.8
	Minimum	75	72	76	72	70	69	69	71	70	67	61	54	51	55	60	67	59	53	63	63	54	56	64	59	53	49	53	62	63	59	..	62.3
Marion	Maximum	84	95	91	92	93	95	97	95	93	87	78	68	83	87	90	84	78	83	83	85	76	82	86	88	87	70	76	80	82	83	..	85.0
	Minimum	72	70	70	68	68	72	71	75	73	70	60	50	61	64	64	62	56	51	62	60	57	60	62	62	52	45	51	59	60	62	..	62.3
Mayfield	Maximum	85	98	95	93	96	101	102	94	100	98	80	83	97	98	102	92	84	89	93	82	79	77	81	83	81	79	87	89	87	95	..	90.0
	Minimum	66	70	67	72	67	67	67	68	79	66	60	49	50	51	61	63	60	51	60	63	55	60	61	68	52	47	47	54	52	55	..	60.4
Owensboro	Maximum	86	95	86	88	93	96	96	96	93	93	76	76	83	88	90	86	78	80	85	73	80	83	85	84	73	76	79	81	85	87	..	85.0
	Minimum	68	67	71	68	67	64	67	71	69	66	61	54	51	55	57	59	64	52	52	61	61	57	57	59	51	51	55	60	57	60	..	60.0
Paducah (Lone Oak)	Maximum	85	90	92	97	99	100	102	97	101	97	80	80	91	94	90	88	85	86	86	85	80	90	90	85	92	85	76	82	80	91	..	88.9
	Minimum	70	71	72	70	71	65	70	72	70	69	60	50	54	51	61	68	66	55	54	63	56	58	66	61	53	49	51	60	59	52	..	61.3
Paducah	Maximum	82	94	97	93	99	101	100	94	96	95	79	83	90	93	96	88	90	87	85	87	79	90	90	94	81	78	85	88	90	92	..	89.9
	Minimum	66	70	71	70	72	72	72	74	72	64	62	55	56	58	64	68	64	54	61	64	60	59	60	56	54	56	50	56	58	56	..	62.5
Princeton	Maximum	79	91	85	87	88	95	98	87	89	83	81	73	86	87	88	82	76	82	85	76	75	87	86	92	80	75	80	85	73	84	..	83.5
	Minimum	67	66	68	72	66	66	66	72	68	66	72	66	62	55	60	63	58	52	58	60	57	56	59	58	51	47	50	60	61	57	..	61.0
Russellville[§§]	Maximum	90	99	98	90	95	95	100	98	95	91	74	79	87	93	95	87	82	86	89	70	76	..	..	90	76	78	..	..	..	..	..	[a]88.2
	Minimum	66	67	67	69	63	61	67	70	70	68	62	49	49	55	60	62	58	50	58	61	54	55	..	..	53	45	50	..	..	..	..	[a]59.6
Central Division.																																	
Anchorage	Maximum	94	98	88	92	98	99	99	100	95	94	75	80	89	93	95	86	88	85	89	68	82	87	89	87	73	77	83	87	88	89	..	88.2
	Minimum	67	68	72	67	61	68	61	66	61	65	59	50	49	63	54	57	58	43	53	60	56	57	54	55	49	45	52	57	54	52	..	57.8
Bardstown	Maximum	92	96	91	90	95	96	97	97	96	93	71	78	84	90	92	86	76	81	82	75	77	85	89	88	73	74	81	83	85	83	..	85.7
	Minimum	68	67	74	71	66	62	63	67	66	65	61	55	51	56	59	60	57	46	56	62	57	58	56	59	51	45	53	58	59	53	..	59.4
Bowling Green	Maximum	92	94	97	93	99	101	100	94	96	95	79	83	90	93	96	88	90	88	83	83	72	84	86	87	88	78	77	84	84	83	86	87.0
	Minimum	66	70	71	70	72	72	72	74	72	64	62	55	56	58	64	68	64	54	61	64	60	59	60	56	54	56	50	56	58	56	..	62.5
Camp Knox	Maximum	90	99	98	90	95	95	100	98	95	91	74	79	87	93	95	87	82	86	89	70	76	..	..	90	76	78	..	..	..	..	..	[a]88.2
	Minimum	66	67	67	69	63	61	67	70	70	68	62	49	49	55	60	62	58	50	58	61	54	55	..	..	53	45	50	..	..	..	..	[a]59.6
Camp Knox	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eubank	Maximum	88	91	89	88	93	93	94	94	92	87	77	75	84	87	90	82	76	84	76	70	81	83	87	86	82	84	79	80	83	84	..	84 6
	Minimum	64	67	71	64	62	58	59	62	61	65	67	56	48	53	59	62	55	48	58	56	58	55	53	54	53	48	59	55	58	51	..	58.0
Frankfort	Maximum	91	94	92	89	92	92	92	94	93	90	81	76	82	86	89	87	74	78	83	77	79	84	85	86	77	74	77	78	83	83	..	84.7
	Minimum	66	71	70	72	68	64	64	68	67	65	65	58	54	58	58	62	58	50	58	63	60	58	59	59	52	49	54	56	56	56	..	60.3
Franklin	Maximum	93	98	97	92	93	94	95	95	95	92	73	78	84	92	94	87	83	85	84	74	77	85	88	90	88	80	83	82	88	89	..	87.5
	Minimum	67	69	67	67	65	64	68	70	71	68	62	54	53	59	66	63	58	51	63	62	57	58	58	63	54	45	57	62	62	56	..	61.3
Glasgow	Maximum	91	95	95	91	93	93	93	94	93	91	73	82	85	89	93	86	82	87	82	72	82	88	91	88	80	83	82	79	87	88	..	86.9
	Minimum	69	69	70	69	65	63	68	72	70	69	61	55	52	56	62	62	56	51	63	62	60	58	59	60	53	47	59	63	61	55	..	61.8
Greensburg	Maximum	89	92	90	92	91	92	92	93	91	90	79	75	81	87	91	83	77	81	77	72	78	84	83	87	78	77	79	78	82	82	..	83.9
	Minimum	62	64	66	66	62	58	60	60	59	60	62	54	47	50	56	59	55	45	58	58	56	52	52	52	50	40	52	55	57	50	..	55.9
Irvington	Maximum	89	96	91	90	95	95	96	97	89	93	83	76	84	88	91	84	76	80	87	79	79	84	86	86	75	75	80	82	83	84	..	85.8
	Minimum	70	69	75	72	68	65	66	76	70	73	60	51	53	58	56	61	58	49	57	56	59	59	59	59	52	47	52	59	60	55	..	60.8
Junction City	Maximum	89	92	89	92	95	96	94	95	93	90	89	81	82	88	93	80	76	79	79	72	83	87	90	89	77	80	80	82	84	85	..	86.0
	Minimum	64	66	69	67	62	58	57	63	60	61	62	56	55	44	56	54	50	46	54	57	56	56	52	55	49	45	52	58	55	51	..	56.5
Lebanon	Maximum	90	96	92	85	95	96	94	95	93	92	75	78	84	88	92	84	79	84	84	74	78	85	87	87	76	77	80	79	85	83	..	85.6
	Minimum	67	66	71	70	66	62	64	69	66	67	61	54	52	55	59	62	57	49	57	62	58	59	58	58	52	47	55	59	55	54	..	59.7
Leitchfield	Maximum	88	89	93	86	91	93	93	94	90	89	69	74	83	86	87	77	71	77	80	70	78	83	85	83	68	74	78	81	83	84	..	82.2
	Minimum	69	69	67	72	69	72	72	74	70	69	59	57	61	66	65	59	63	49	62	60	60	63	67	58	49	47	61	62	62	63	..	63.2
Lexington	Maximum	89	95	88	88	94	94	95	95	88	91	70	78	84	89	91	81	81	75	79	84	69	81	86	87	86	76	79	80	84	86	..	84.4
	Minimum	71	71	74	72	70	69	71	74	72	70	61	55	58	63	65	61	56	50	59	62	60	63	63	59	52	48	54	59	60	58	..	62.7
Louisville	Maximum	86	92	91	84	90	90	90	90	90	85	67	74	80	84	87	76	74	75	79	65	75	79	80	82	70	71	72	77	76	78	..	80.1
Do (Cherokee Park)	Maximum	86	92	91	84	90	90	90	90	90	83	67	74	80	84	87	76	74	75	79	65	75	79	80	82	70	71	72	77	76	78	..	[a]84.7
	Minimum	68	68	75	71	67	64	64	70	67	69	62	53	53	56	57	59	56	47	54	61	59	59	58	60	50	47	51	57	57	54	..	59.8
St. John	Maximum	90	97	92	94	95	96	95	97	94	94	77	78	85	90	94	83	77	82	87	75	78	86	89	87	76	75	82	77	82	85	..	86.3
	Minimum	64	65	70	68	63	61	64	67	63	64	62	51	49	53	56	60	55	46	52	61	57	57	55	54	50	46	50	56	59	52	..	57.6
Scott	Maximum	91	94	87	90	92	95	92	94	92	92	81	79	85	90	90	90	75	69	76	84	67	76	83	86	81	70	71	80	80	85	84	83.7
	Minimum	65	69	67	70	67	63	64	69	69	69	61	52	55	57	61	58	52	46	50	61	56	57	56	62	46	44	48	48	56	56	..	58.5
Smithville	Maximum	91	95	86	88	95	94	95	95	93	91	80	76	84	88	91	81	75	81	82	74	78	84	87	86	71	75	80	83	85	85	..	84.9
	Minimum	67	67	69	71	66	64	63	70	66	64	63	54	52	52	58	59	55	46	56	60	58	58	55	59	49	44	52	58	56	54	..	58.8
Springfield	Maximum	90	94	88	87	91	92	92	93	92	88	77	74	83	87	90	82	74	78	80	75	77	82	85	83	76	77	78	80	83	81	..	82.6
	Minimum	65	65	72	70	65	60	60	64	62	63	64	56	50	50	55	61	56	41	51	61	60	55	53	56	52	46	50	54	54	51	..	57.5
Taylorsville	Maximum	90	94	88	87	91	92	92	93	92	88	77	74	83	87	90	82	74	78	80	75	77	82	85	83	76	77	78	80	83	81	..	82.6
	Minimum	65	65	72	70	65	60	60	64	62	63	64	56	50	50	55	61	56	41	51	61	60	55	53	56	52	46	50	54	54	51	..	57.5
Williamstown	Maximum	94	95	88	90	90	93	95	92	92	94	84	76	82	87	90	91	74	81	81	80	83	85	86	89	78	75	79	85	87	86	..	85.9
	Minimum	65	69	68	66	66	64	64	64	64	66	59	55	57	60	62	55	42	60	60	59	59	50	58	50	49	52	56	56	56	56	..	58.9
	Maximum	96	98	89	92	96	98	94	94	94	96	78	82	87	90	91	74	85	88	90	89	77	82	88	90	89	77	76	82	88	86	..	87.2
	Minimum	67	65	68	68	66	62	60	62	60	61	60	58	53	54	57	58	55	48	54	60	58	54	58	49	45	53	53	55	56	55	..	[a]58.0
	Maximum	..	..	..	..	..	..	92	..	..	99	90	77	76	85	..	..	..	..	..	..	82	72	80	85	90	80	82	82	89	85	89	[a]84.7
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	48	59	58	54	58	52	53	47	50	46	50	..
Berea	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burnside	Maximum	92	94	86	87	95	98	97	98	96	92	82	82	85	90	94	86	79	85	86	79	85	89	92	88	78	77	82	82	89	86	..	87.7
	Minimum	69	65	69	64	64	57	56	60	57	58	65	55	44	47	53	54	53	43	50	59	59	52	49	52	44	39	49	50	51	50	..	54.3
Jackson	Maximum	89	92	86	87	91	93	92	92	92	90	76	76	81	86	89	80	75	80	83	81	80	85	86	85	76	76	77	83	85	82	..	84.1
	Minimum	68	66	69	69	66	63	61	63	61	61	67	61	53	54	57	61	54	47	55	56	59	56	53	55	52	46	53	54	56	57	..	58.5
Mayfield	Maximum	91	94	85	88	90	93	95	94	93	91	81	77	85	89	91	79	73	75	75	76	81	84	85	79	73	74	74	83	84	82	..	81.5
	Minimum	66	66	68	68	67	65	64	64	66	65	66	59	59	60	55	46	54	64	60	58	55	59	48	48	54	57	59	58	..	59.5
Middlesboro	Maximum	90	93	90	90	91	92	93	93	90	88	79	77	81	86	88	86	79	80	82	79	84	82	84	86	79	81	79	80	83	84	..	85.0
	Minimum	65	67	68	63	64	66	60	61	56	61	65	55	53	54	56	57	54	53	53	57	55	52	56	48	51	50	50	52	55	55	..	56.9
Mount Sterling	Maximum	92	95	85	85	89	90	91	93	93	90	75	75	82	86	90	87	80	84	77	82	85	86	86	80	76	80	81	83	85	84	..	84.8
	Minimum	62	68	66	67	63	62	62	65	62	63	67	56	49	53	62	60	55	46	49	53	53	51	53	49	45	45	53	53	55	55	..	56.8
Richmond	Maximum	92	94	86	90	95	95	95	95	95	92	78	80	86	91	92	86	80	83	83	73	83	87	89	88	78	79	80	83	86	86	..	86.6
	Minimum	64	65	68	66	66	59	59	62	58	62	66	59	53	54	59	61	51	51	58	57	58	55	48	51	52	50	54	55	54	56	..	57.8
Williamsburg	Maximum	93	95	86	93	93	94	94	94	92	90	81	81	86	90	93	83	80	85	86	83	84	87	89	91	81	85	82	85	87	86	..	87.9
	Minimum	64	65	68	66	66	59	59	62	58	62	66	59	53	54	59	61	51	51	58	57	58	55	48	51	52	50	54	55	54	56	..	57.8

[§§] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

[a] ... indicate respectively 1, 2, 3, etc., days missing from record.

1.05
NKE

DEC 1, 1922

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., OCTOBER, 1922. No. 10

GENERAL SUMMARY.

Warm weather during the first week was favorable for saving the late crops of corn, tobacco, and cowpea hay. This was followed by an unseasonably cool week, during which heavy frosts that practically ended the growing season occurred generally over the State; but without damage to the staple crops, most of which had been harvested.

A marked deficiency in precipitation in nearly all districts interfered seriously with the preparation of the soil and seeding, and resulted in a reduction of the acreage sown to wheat. A satisfactory seed bed could not be prepared because of the extreme dryness of the soil, hence most grain was sown under conditions more or less unfavorable for germination and growth. Showers during the second week were decidedly helpful, causing fairly good germination of the early sown wheat; but much of that sown after the middle of the month either failed to sprout or sprouted and then died. Most of the timothy sown in September perished.

The rapid and thorough drying of corn permitted gathering to begin earlier than usual, this work being well under way by the end of the month. Pastures continued poor and feeding was necessary; but good late pasturage was obtained from early sown rye, which is being more generally used for this purpose. Although showers started the grass at times, the moisture was never sufficient to keep it growing for more than a few days. Shortage of water for stock, and even for domestic purposes, became acute in the hilly districts. The dry weather diminished the yields of all late crops, potatoes being especially poor; but it was favorable for curing tobacco without damage, and for gathering and marketing the large crop of fruit.

TEMPERATURE.

The average temperature for the month, 39 stations reporting, was 60.1°, which is 2.3° above normal. Maximum temperatures during the first week ranged from 80° to 90°, and daily departures from 5° to 15° above normal. Short periods of warm and cool weather alternated for the next two weeks, followed by another period of unseasonably high temperature near the close of the month. Except on a few days, minimum temperatures were generally high for this month. The extremes were 96° at Hopkinsville on the 3d, and at Berea on the 5th; and 25° at Greensburg on the 19th.

PRECIPITATION.

The average precipitation for the State, based on reports from 54 stations, was 2.20 inches, which is 0.30 inch below normal. Showers occurred generally over the State in the period 7-11th, and locally on the 16th, 17th and 23d. As in previous months, distribution over the State was irregular, varying greatly in adjoining districts. A few restricted areas in the western counties and the upper Licking basin received slightly more than the normal amount; but other districts in the basins of the Green, Kentucky, and lower Licking reported only about half the normal rainfall for this month. In the central and extreme northern counties amounts ranged between 1.0 and 2.0 inches at most stations; and in the northeastern counties between 2.0 and 3.0 inches. Monthly amounts varied between 0.76 inches at Berea, and 4.41 inches at Blandville. Thunderstorms occurred on the 10th and 23d.

MISCELLANEOUS

Rivers:—All streams of the State, including the Ohio, were very low during the month. Navigation in the Ohio River was seriously impeded, and in some sections had to be suspended.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure, (In inches reduced to sea-level.)					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour	Direction.	Date
Cairo ..... Ill.	30.02	30.36	18	29.69	7	4765	6.4	30	n.	17
Cincinnati ..... Ohio	30.04	30.44	13	29.59	7	4098	5.5	29	sw.	7
Evansville ..... Ind.	30.05	30.38	13	29.68	7	6920	9.3	30	n.	17
Lexington ..... Ky.	30.04	30.44	13	29.63	7	9107	12.2	37	sw.	10
Louisville ..... Ky.	30.05	30.42	13	29.65	7	6935	9.3	33	s.	25

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	81	47	60	266.3	348.1	77	20	4
Cincinnati ..... Ohio.	86	48	59	235.3	340.1	68	18	6
Evansville ..... Ind.	73	46	52	254.4	347.3	73	20	5
Lexington ..... Ky.	68	48	.....	237.1	347.3	68	20	6
Louisville ..... Ky.	77	48	53	244.1	347.3	70	18	4

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature.				Precipitation.		
	Monthly average	Departure from 30-year normal	Highest	Lowest	Monthly average	Departure from 30-year normal.	No. of days with 01 in. or more rain.
1889	52.0	−5.8	89	23	2.42	−0.08	
1890	55.7	−2.1	87	23	2.94	+0.44	
1891	54.8	−3.0	92	21	0.78	−1.72	
1892	57.3	−0.5	97	19	0.51	−1.99	
1893	56.4	−1.4	90	19	4.00	+1.50	
1894	58.6	+0.8	92	25	1.36	−1.14	5
1895	52.2	−5.6	89	14	1.24	−1.26	4
1896	55.8	−2.0	90	25	1.71	−0.79	5
1897	53.2	−4.4	96	26	1.10	−1.40	4
1898	57.1	−0.7	93	21	4.19	+1.69	10
1899	61.3	+3.5	88	26	2.42	−0.08	5
1900	64.5	+6.7	94	29	2.29	−0.21	5
1901	58.1	−0.3	93	25	1.57	−0.93	4
1902	60.1	+2.3	94	25	2.34	−0.16	5
1903	57.7	−0.1	96	19	2.22	−0.28	5
1904	57.2	−0.6	93	26	0.82	−1.68	2
1905	57.0	−0.8	90	25	4.95	+2.45	9
1906	56.9	−0.9	91	26	1.51	−0.99	7
1907	55.5	−2.3	93	20	2.97	+0.47	6
1908	57.1	−0.7	92	20	0.71	−1.79	3
1909	58.2	−2.6	94	18	2.11	−0.39	6
1910	61.4	+3.6	96	17	4.45	+1.95	6
1911	59.9	+2.1	94	27	3.71	+1.21	10
1912	59.5	+1.7	92	25	1.42	−1.08	4
1913	56.9	−0.9	97	23	3.55	+1.05	9
1914	59.7	−1.9	91	22	5.10	+2.60	9
1915	60.6	−2.8	90	27	3.40	+0.90	6
1916	57.6	−0.2	97	24	2.59	+0.09	6
1917	51.1	−6.7	90	20	3.18	+0.68	7
1918	62.3	+4.5	91	22	3.81	+1.31	10
1919	65.6	+7.8	98	25	7.99	+5.49	15
1920	61.0	+3.2	93	24	1.64	−0.86	4
1921	57.1	0.7	90	24	2.31	−0.19	6
1922	60.1	2.3	96	25	2.20	−0.30	6

Climatological Data for October, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches. Number of days.								Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division																				
	Ohio	442	18																	Miss Addie B. Taylor
Beaver Dam	Ohio	445	40	61.1	+ 2.5	89	3	33	18	32	2.70	−0.30	0.91	0	6	19	4	8	se.	E. W. Horr.
Bardwell	Ballard	445	19	60.4	+ 0.4	91	1	33	18†	42	4.41	+1.02	1.72	0	8	15	10	6	se.	W. A. Taylor.
Calvert	Mclean	427	15	59 6	+ 0.3	91	4	30	18	42	1.52	−1.05	0.60	0	5	25	1	5	sw.	Brick Southworth.
Earlington	Hopkins	420	31	59 6	+ 0.3	91	4	30	18	42	1.52	−1.05	0.60	0	5	25	1	5	sw.	Brick Southworth.
Greenville	Muhlenburg	519	5	60 8	.....	92	1	28	18	46	3.89	.....	0.96	0	8	18	6	5	s.	C. R. Lovell.
Henderson	Henderson	327	13								2.72	−0.48	0.90	0	7					W. W. Shelby.
Hopkinsville	Christian	544	25	64.4	+ 4.0	96	3	36	18	40	2.09	−0.78	0.74	0	7	22	2	7	s.	W. E. Graves.
Mayfield	Graves	571	23	62.6	+ 3.2	91	4	35	18	30	3.90	+1.36	1.38	0	6	16	7	8	sw.	R. C. Paris.
Owensboro	Daviess	364	11	61.7	+ 3.2	93	1	31	19	41	3.04	+0.51	0.83	0	7	22	5	4	sw.	N. E. Doubhit.
		479	25	59.6	+ 0.6	90	4	31	19	36	3.05	−0.05	1.29	0	8	24	1	6	sw.	Henry S. Berry.
Paducah Lone Oak	McCracken	516	5					30	18		2.57	.....	0.81	0	4	22	3	6	s.	D. T. Hayden.
Paducah	McCracken	341	33	63.6	+ 2.3	95	3†	36	18†	38	3.42	+0.74	0.90	0	8					Frank L. Brown.
Princeton	Caldwell	529	11	59.6	+ 0.8	87	2†	31	18	38	2.74	+0.25	0.88	0	6	17	5	9	s.	Dr. W. L. Cash.
Russellville	Logan	566	9	60.2	+ 0.4	92	5	28	19	45	1.17	−1.15	0.35	0	6	19	0	10	s.	E. C. Shelton.
Central Division																				
Anchorage	Jefferson	700	21	59.0	+ 2.2	92	3†	28	18†	45	1.75	−1.30	0.69	0	5	23	3	5	sw.	C. E. Barret.
Bardstown	Nelson	637	25	59.9	+ 0.4	89	5	29	18†	43	1.68	−0.72	0.76	0	5	20	4	7	s.	Chas. M. Talbott.
Bowling Green	Warren	590	31	61.6	+ 2.4	90	5	33	18†	43	1.52	−0.85	0.50	0	6	17	7	7	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	4								2.00	.....	0.48	0	9					James H. Young.
Burnside	Pulaski	773	29								1.51	−1.52	0.68	0	4					F. E. Bradshaw.
Camp Knox	Hardin	736	0																	Signal Corps, U. S. A.
Carrollton Lock No. 1	Carroll	492	22								1.51	−1.11	0.56	0	8					Charlie Oliver.
Cloverport	Breckenridge	375	8								2.87	.....	0.67	0	8					W. A. Cockerill.
Elmwood	Pulaski	1177	27	57.8	+ 1.1	88	5	27	18†	47	1.45	−0.69	0.65	0	3	13	8	10	s.	Mrs. Katie Payne.
Fallows	Franklin	560	28	58.9	+ 1.8	88	3	33	18†	38	2.24	−0.23	0.95	0	6	19	3	9	s.	Mrs. Amelia Wood
Frankfort	Simpson	691	26	62.6	+ 3.3	92	5	32	19	42	1.87	−0.23	0.48	0	5	15	9	7	s.	Volney Jameson.
Glasgow	Barren	788	0	62.0	.....	91	2	32	18†	40	2.46	.....	1.15	0	5	21	4	6	w.	Dr. Fidella Edwards.
Greensburg	Green	581	29	56.9	− 0.2	88	5	25	19	45	1.82	−0.94	0.57	0	7	18	2	11	s.	Mrs. Bettie K. H. Alcorn.
Hawesville	Hancock	762	19								1.03	−1.95	0.45	0	5					Miss Lulu Wood.
Hays Bridge	Breckenridge	646	24	60.8	+ 5.2	89	3†	33	18	33	1.89	−0.86	0.49	0	7	22	1	8	sw.	W. J. Piggott.
Jamestown	Boyle	985	28	58.8	+ 1.3	91	3†	26	19	45	1.98	−0.01	0.76	0	6	19	7	5	sw.	Prof. E. L. Grubbs.
Leitchfield	Grayson	635	26	59.4	+ 1.3	88	3	32	18	38	2.48	+0.05	0.90	0	6	21	5	5	sw.	John E. Stone.
Lexington	Fayette	980	34	61.0	− 4.5	87	4	38	13	27	1.25	−0.97	0.43	0	7	21	0	10	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	49	61.5	+ 2.2	89	4	38	19	32	2.24	−0.39	1.10	0	7	20	4	7	s.	U. S. Weather Bureau.
Louisville, Cherokee Park	Do	534	12	58.9	+ 1.7	88	2†	32	19	36	2.49	−0.93	0.79	0	7	20	5	6	sw.	Wm. I. Hunt.
Mt. Holly	Hardin	777	25	61.8	+ 4.2	91	6	32	18†	36	1.57	−0.92	0.78	0	4	23	3	5	.....	Sisters of Loretto.
Scottsville	Kenton	900	24	58 4	+ 0.6	89	5	31	13	39	1.34	−1.00	0.38	0	7	16	8	7	s.	E. B. Wilson.
Shelbyville	Shelby	825	32	61.4	+ 4.7	89°	3†	30	18	40°	2.34	−0.08	0.45	0	7	18	4	9	n.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	19	57.9	+ 1.6	88	1	29	18†	42	2.81	−0.16	0.64	0	7	22	1	8	s.	E. D. Bourne.
Williamstown	Grant	943	18	58 4	+ 3.3	88	5	29	18	39	1.65	−1.26	0.48	0	6	17	4	10	nw.	Mrs. E. S. Hunnlong.
Woodburn	Butler	530	4								1.91	.....	0.48	0	7					J. C. Stinson.
Eastern Division																				
Ashland	Boyd	534	3	59 0	.....	89	3†	28	18†	44	2.57	.....	1.35	0	6	20	5	6	n.	Forester Farley.
Beattyville	Lee	650	17	59.2	+ 2.1	92	6	30	19†	44	2.76	−0.59	1.29	0	4	15	8	8	n.	Mrs. Sabina E. Hall
Berea	Madison	1070	18	59.6	+ 1.0	96	5	29	19	43	0.76	−2.32	0.28	0	4	22	4	5	e.	F. C. Thompson.
Cynthiana	Harrison	684	4								2.45	.....	1.10	0	6					P. H. Kehoe.
Falmouth	Pendleton	690	33								1.74	−0.70	0.76	0	6	17	7	7	s.	J. V. Oldham.
Farmers	Rowan	668	13			92	3				1.97	−1.33	0.70	0	6	20	4	7	ne.	Mrs. Edna Tinsley.
Frenchburg	Menifee	776	9	60.1		90	5	32	25	47				0		13	4	5	e.	Dr. Dan. Fortune.
Jackson	Breathitt	584	15								2.10	−0.78	0.62	0	7					T. D. Snyder.
Lewis	Lawrence	524	24	58.5	+ 1.4	89	5	33	27	35	2.57	+0.05	0.65	0	9	24	1	6	w.	Harry M. Robinson.
Maysville	Mason	1128	24	58 2	+ 1.0	87	5	28	19	50	1.66	−0.64	0.60	0	3	23	8	0	.....	B. H. Perkins.
Middlesboro	Bell	930	32	58.7	+ 3.1	87	4	28	20	49	3.52	+0.55	1.60	0	7	23	1	7	w.	W. R. McKee.
Mount Sterling	Montgomery																			
Oliver	Greenup	540	2								1.78	.....	1.07	0	6					Chas. Folsom.
Owenton	Campbell	443	0								1.61	.....	0.62	0	6					Andrew M. Stanforth.
Paintsville	Pike	634	16								1.86	1.16	0.84	0	4					I. M. Williams
Richmond	Madison	926	27	62.0	− 3.6	92	2	33	19	38	1.95	−0.86	0.77	0	4	22	0	9	.....	J. W. Crooke
Salyersville	Magoffin	1025	5								2.41	.....	0.60	0	8					Samuel Johnson.
Williamsburg	Whitley	929	24	59.6	− 0.1	89	3	27	19	48	2.23	−0.32	0.91	0	5	21	5	5	sw.	Mrs. Ruth Inman
State averages and extremes				60.1		96	3†	25	19	50	2.20	.....	1.72	0	6	20	4	7	s.	

A ..... temperature data are taken from self-registering thermometers.

Temperature data, mean, temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published.

Dashes indicate omission or defective records.

Reference letters, ', ", * appearing in the table indicate number of days missing; for example, 2 represents two days, etc.

† Also on some other dates. ‡ Received too late to be included in means and summaries. ° Precipitation is less than 0.01 inch; rain or melted snow.

¶ Postoffice address, Covington, Ky. *Temperature data by Evening Sun.

Daily Precipitation for October, 1922.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam ..G																																
Blandville ..M							.67	T	.04	.56					T	.91							.49									
Calhoun ..G							.29	.38	.54	1.72	.22					.72	.02													.62		2.57
Earlington ..G								.13	.34	.31	.14					.60							.52									4.44
Greenville ..G							.47	.65	.40	.71	.20					.96	.05															1.37
																							.45									3.53
Henderson ..O							.40	.30	.12	.50	.20						.90															
Hopkinsville ..C							.74	.13	.06	.55	.11												.30									2.72
Marion ..O							.35	.32	.50	1.38						.16							.24									2.95
Mayfield ..M							.70	.31		.83	.10					.95							.46									3.05
Owensboro ..O							.28	.29	1.29	.15	.08					.65							.35								1.10	3.44
																.55	.11						.30									3.45
Paducah (Lone Oak) ..O							.80			.63						.81							.33									3.57
Paducah ..O							.54	.32	.04	.70	.48					.08	.90						.30									3.42
Princeton ..G						T.	.59	.1	.20	.68	.26					.66					T.		.35									2.74
Russellville ..G							.23	.17	.04	.09	.29												.35									1.17
Central Division.																																
Anchorage ..O							.35	T		.69	.23					.30							.18									1.75
Bardstown ..S							.76	.40		.05						.25							.22									1.68
Bowling Green ..G							.25	.03	.42		.30						.02						.50									1.52
Brownsville ..G							.44	.48	.20	.05	.28	.02					.08						.40	.05								2.60
Burnside ..C							.24	.55			.04												.68									1.51
Carrollton (Lock No. 1) ..O							.09	.56	.11	.02	.11	.08					.26						.28									1.51
Cloverport ..O							.58	.30	.06	.10	.67	.01					.67						.48									2.87
Eubank ..C							.30		.50														.65	T								1.45
Frankfort ..K							.25	.95		T.	.15	.10					.51						.28									2.24
Franklin ..G							.45	.48		.36	.16												.42									1.87
Glasgow ..G							.50	1.15	.13		.11												.57									2.46
Greensburg ..G							.47	.45	.17	.03	.12					T.	.01						.57									1.82
High Bridge ..K							.12	.45			.08	T.					.04						.34									1.03
Lexington ..O							.30	.49	.05	.02	.19					.44							.40									1.89
Junction City ..K							.28	.50	.03	.16	.25					T							.76									1.98
Leitchfield ..G							.39	.32	.90	.23						.26							.38									2.48
Lexington ***..K					.04		.25	.29	T.	.03	.31					.12							.21									1.25
Lexington***..O							.87	.32	.01	.29	.24					.33							.18									2.24
Do. (Cherokee Park) ..O							.43	.79	.07	.39	.23					.35	T.						.23									2.49
St. John ..S							.78	.20			.24					.35																1.57
Scott ..L					T.		.17	.38		.08	.25					.20	.08						.18									1.34
Shelbyville ..S							.45	.35	.10	.38	.34					.36							.36									2.34
Taylorsville ..S							.64	.56	.11	.29	.20					.60							.41									2.81
Williamstown ..L							.40	.48			.33					18	.06						.20									1.65
Woodbury ..G							.28	.22	.18	.27	.48						.08						.40									1.91
Eastern Division.																																
Ashland ..O							.30	1.35		.50		.02											.12	.28								2.57
Beattyville ..K							.75	1.29															.45	.27								2.76
Berea ..K							.16	.28			.23												.09									0.76
Cynthiana ..L							.30	1.10			.10	.25					.50						.20									2.45
Falmouth ..L							.19	.76			.18	.02					.33						.26									1.74
Farmers ..L							.46	.70		.15		.12																				
Jackson ..K							1.86	1.22				.90											.45	.09								1.97
Louisa ..B							.48	.62		.32		.04					.03						.33	.28								2.10
Maysville ..O	.25						.25	.65		.32	.07	.25					.43						.25	.10								2.57
Middlesboro ..C							.48	.58															.60									1.66
Mount Sterling ..L	.75						1.60	.21		.06	.21						.02															3.52
Oliver ..O							.15	1.07		.13							.11						.18	.14								1.78
Oneonta ..O							.09	.62		.30	.14	.12					.34															1.61
Pikeville ..B							.22		.18	.84														.62								1.86
Richmond ..K							.77	.37		T.	.30												.51									1.95
Vanceburg ..O							.30	.30	.29	.60	.05	.10				39							38									2.41
Williamsburg ..C							.60	.91	.01		T.	T											.44	.27								2.23

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

Daily Temperatures for October, 1922.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum																																
	Minimum	57	58	59	58	56	51	72	59	53	52	72	61	67	74	76	66	62	58	64	66	71	75	62	63	74	76	77	81	79	81	81	72.2
Blandville	Maximum	89	89	92	91	89	84	78	71	62	55	71	67	68	75	79	74	61	62	67	72	70	77	71	65	74	72	78	81	81	81	81	74.7
	Minimum	60	60	62	61	65	69	57	47	43	47	49	43	38	48	50	58	39	33	36	41	50	50	46	35	46	46	45	49	53	59	61	49.9
Calhoun	Maximum	89	89	92	91	89	84	78	71	62	55	71	67	68	75	79	74	61	62	67	72	70	77	71	65	74	72	78	81	81	81	81	74.7
	Minimum	57	55	55	54	54	66	66	52	50	51	49	46	37	42	45	56	43	33	33	34	43	43	52	36	39	39	36	40	40	46	53	46.1
Earlington	Maximum	89	90	90	93	89	89	76	70	56	53	71	63	68	75	78	62	62	59	67	72	71	76	65	64	74	70	78	81	82	82	82	74.0
	Minimum	58	56	53	52	54	59	65	49	48	48	47	37	33	43	48	58	41	30	30	32	44	45	50	32	38	39	36	42	44	46	50	45.3
Greenville	Maximum	92	92	92	92	91	87	89	74	59	58	75	81	76	80	81	70	64	63	70	76	76	77	70	69	78	78	71	78	82	85	86	77.6
	Minimum	54	53	53	52	52	64	64	48	47	48	47	36	32	43	45	55	40	28	29	30	45	44	50	31	38	37	34	41	...	...	40	44.1
Hopkinsville	Maximum	94	95	96	95	94	85	78	71	59	55	74	67	74	80	83	71	63	67	73	78	77	80	68	67	78	72	82	85	86	88	88	78.0
	Minimum	58	59	56	57	59	61	66	52	50	51	49	40	39	44	49	57	43	36	37	44	56	54	...	...	...	...	...	...	...	...	...	50.8
Marion	Maximum	88	88	88	91	90	86	84	72	52	53	66	71	60	74	76	74	76	74	62	59	71	78	75	60	67	75	71	79	80	78	82	73.2
	Minimum	66	62	62	65	65	71	64	51	48	49	49	42	38	52	55	57	40	35	40	43	50	54	49	37	46	45	48	54	59	58	60	52.1
Mayfield	Maximum	93	88	92	90	89	87	79	71	57	55	75	64	74	65	79	74	66	64	68	72	72	77	72	68	77	74	81	81	81	83	88	75.7
	Minimum	59	58	57	55	59	70	66	51	44	48	48	40	37	48	48	58	46	33	31	33	47	45	50	33	41	40	40	44	50	50	50	47.7
Owensboro	Maximum	85	87	86	90	89	86	73	70	51	51	68	60	68	76	75	75	60	58	63	69	73	74	64	61	70	66	74	79	79	80	80	72.1
	Minimum	57	59	55	58	56	62	64	49	49	48	47	40	38	45	47	55	41	34	31	33	45	48	47	33	39	48	39	45	47	50	54	47.2
Paducah (Lone Oak)	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	55	57	54	62	59	62	61	48	47	50	49	43	40	43	51	60	41	36	35	39	49	48	47	37	42	41	38	42	45	49	58	48.1
Paducah	Maximum	93	92	95	95	88	88	74	65	54	52	72	70	71	78	79	71	65	67	65	77	74	76	66	64	74	75	73	78	80	83	82	75.6
	Minimum	64	61	70	64	59	60	65	50	50	50	56	45	43	46	50	59	48	36	36	41	50	48	48	38	47	46	46	48	48	56	63	51.5
Princeton	Maximum	86	87	84	86	87	78	75	68	53	53	71	63	66	74	79	68	61	60	65	70	70	76	61	66	75	68	76	77	76	80	85	72.4
	Minimum	57	58	59	55	56	67	65	50	48	49	49	40	38	44	48	57	40	31	32	35	48	41	51	33	37	35	38	42	49	57	51	46.9
Russellville§§	Maximum	...	89	89	91	92	87	85	58	64	53	63	73	79	82	69	57	61	66	73	71	73	71	70	66	76	86	84	84	85	86	...	*75.0
	Minimum	...	...	54	55	58	65	64	51	49	50	48	43	36	41	50	57	43	29	28	29	43	47	49	32	35	29	35	44	47	47	51	*45.5
Central Division																																	
Anchorage	Maximum	91	91	92	92	91	90	77	68	62	64	64	64	66	77	79	66	58	62	68	74	72	77	64	64	71	68	76	83	85	84	77	74.7
	Minimum	53	53	54	51	50	53	64	53	52	51	49	36	31	38	47	53	38	28	28	34	39	44	38	30	41	36	34	39	40	41	46	43.4
Bardstown	Maximum	88	88	88	88	89	88	79	67	64	62	65	69	66	75	78	73	60	59	66	70	71	75	65	63	71	66	76	81	83	82	78	73.8
	Minimum	54	55	55	53	55	65	63	54	53	53	49	38	34	41	49	55	46	29	29	31	46	45	52	32	41	41	33	41	43	45	47	46.0
Bowling Green	Maximum	77	77	80	85	90	86	76	70	66	57	73	66	74	77	81	73	66	64	73	77	73	78	70	67	77	74	79	84	85	86	87	75.7
	Minimum	57	57	57	56	56	67	65	50	50	50	49	42	35	42	53	57	45	33	33	34	47	44	53	36	41	42	38	42	45	45	48	47.5
Brandenburg	Maximum	85	86	86	87	88	85	83	76	65	60	68	65	68	73	77	75	63	60	67	72	69	72	62	60	68	68	72	75	77	77	77	72.4
	Minimum	51	50	54	51	51	63	54	55	53	50	40	36	36	39	39	50	49	27	27	30	42	42	52	30	37	40	31	30	34	43	50	43.1
Cadiz	Maximum	85	87	86	86	86	85	83	70	66	64	61	61	68	72	75	72	61	58	63	68	68	72	65	59	68	66	70	74	76	79	76	71.6
	Minimum	55	56	56	54	53	65	63	54	55	53	50	40	36	38	49	55	47	33	33	34	38	47	52	35	40	38	35	39	40	41	47	46.2
Frankfort	Maximum	89	90	91	91	92	83	79	70	62	59	72	66	74	77	80	75	66	64	71	74	70	78	71	67	75	72	81	82	83	85	82	76.9
	Minimum	58	57	57	56	60	62	64	51	49	49	48	44	35	46	55	57	44	33	32	35	49	49	50	33	40	41	36	40	45	48	50	48.4
Franklin	Maximum	90	91	90	90	90	83	79	68	56	57	71	66	72	76	79	74	65	61	72	74	69	77	68	61	73	72	74	83	84	85	83	75.3
	Minimum	57	56	59	55	61	70	65	52	50	50	49	42	35	49	55	58	47	32	32	34	38	52	51	34	42	40	41	45	51	49	55	48.7
Glasgow	Maximum	85	87	87	86	88	83	79	68	61	60	67	62	67	73	76	75	64	58	65	71	69	75	64	59	66	64	67	76	76	80	79	72.2
	Minimum	51	50	49	49	48	61	62	52	51	45	47	37	28	35	41	49	46	26	25	26	28	37	41	39	31	28	29	35	40	39	40	41.6
Greensburg	Maximum	85	88	89	89	88	86	79	70	66	66	66	65	73	76	76	65	60	60	65	68	69	74	65	63	70	69	72	79	78	80	78	72.2
	Minimum	57	59	57	58	60	69	65	52	52	52	50	42	37	50	52	52	42	33	34	40	45	55	51	34	45	45	39	48	50	50	52	49.3
Irvington	Maximum	89	90	91	91	93	85	80	70	70	63	64	62	68	74	77	75	67	62	62	73	69	76	65	62	70	66	78	81	84	73	80	74.2
	Minimum	57	57	58	60	60	65	62	52	52	50	49	44	38	49	56	59	44	39	38	40	48	56	48	43	48	48	43	51	48	52	51	48.3
Junction City	Maximum	83	89	91	91	88	85	80	70	70	63	64	62	68	74	77	75	67	62	62	73	69	76	65	62	70	66	78	81	84	83	80	74.2
	Minimum	53	49	51	50	48	65	60	54	53	51	45	45	30	35	46	49	46	30	26	28	37	44	49	36	34	40	28	37	41	41	48	43.3
Lancaster	Maximum	86	87	88	87	86	82	75	68	59	59	66	60	66	72	75	65	59	57	63	70	66	74	67	61	70	65	73	79	81	80	80	71.9
	Minimum	56	58	58	56	58	56	64	50	50	50	45	41	35	43	51	58	42	32	33	35	46	47	52	35	39	40	37	42	43	43	48	47.0
Leitchfield	Maximum	84	84	86	87	85	84	76	64	57	61	58	56	64	72	74	70	58	56	63	68	68	72	66	60	67	59	70	78	79	78	73	70.0
	Minimum	66	66	67	65	64	62	62	52	53	50	48	42	38	49	56	58	41	38	41	46	51	54	43	39	45	45	43	51	54	57	59	51.8
Lexington	Maximum	87	88	89	89	87	85	72	67	60	61	65	70	65	78	75	64	60	59	65	70	70	74	64	61	68	65	72	79	80	82	76	71.7
	Minimum	61	63	64	65	62	71	61	53	53	50	49	44	38	49	56	59	44	39	38	40	48	56	48	38	50	48	43	51	48	52	51	51.3
Louisville	Maximum	87	88	88	88	88	84	76	65	58	60	63	61	62	70	71	70	64	55	65	66	66	72	66	62	70	65	73	78	79	71	73	70.5
	Minimum	64	63	64	65	62	71	61	53	53	50	49	44	38	49	56	59	44	39	38	40	48	56	48	38	50	48	43	51	48	52	51	51.3
Mt. Cherokee Park	Maximum	87	88	88	88	88	84	76	65	58	60	63	61	62	70	71	70	64	55	65	66	66	72	66	62	70	65	73	78	79	71	73	70.5
	Minimum	65	67	67	66	64	66	65	54	53	53	49	44	39	49	55	58	44	39	38	40	48	56	48	38	50	48	43	51	48	52	51	51.3
Nelson	Maximum	88	89	89	90	90	91	85	74	67	68	68	69	69	74	75	70	68	66	67	72	72	78	74	74	74	74	75	75	78	80	80	74.7
	Minimum	65	65	67	64	63	60	60	50	50	50	50	44	39	46	55	52	42	32	32	36	37	47	39	40	42	43	43	45	50	50	50	50.6
Scott	Maximum	84	84	84	87	89	87	79	66	60	64	54	56	55	72	73	66	60	59	65	70	66	72	67	60	68	66	73	80	80	78	72	70.6
	Minimum	56	54	57	54	57	66	62	51	52	54	48	41	31	42	50	54	43	32	32	35	38	51	46	34	46	41	44	47	48	45	42	46.3
Shelbyville	Maximum	...	87	89	89	88	...	...	...	...	77	62	62	70	77	81	79	61	62	71	71	75	72	66	61	68	66	76	83	87	81	75	*75.5
	Minimum	55	55	57	53	57	66	62	52	52	51	48	39	32	44	50	56	43	30	31	34	45	45	54	37	44	43	38	49	49	44	49	47.4
Taylorsville	Maximum	88	86	86	85	87	84	76	69	60	61	64	63	68	71	74	70	60	58	63	68	68	72	65	59	69	65	71	76	76	79	76	71.3
	Minimum	52	51	51	49	47	63	63	54	54	53	49	39	31	36	45	53	45	29	29	31	36	43	49	31	37	36	32	46	47	47	45	44.5
Williamstown	Maximum	84	86	87	87	88	86	80	66	60	63	55	54	62	72	75	68	59	58	61	70	66	68	68	61	69	68	74	79	78	80	72	70.8
	Minimum	57	56	58	57	59	64	60	50	50	51	46	39	30	39	49	55	42	29	33	39	42	49	47	31	43	37	35	46	47	46	39	46.0
Eastern Division																																	
Ashland	Maximum	88	88	89	89	89	86	81	69	64	69	60	64	63	74	78	78	71	62	67	67	76	77	77	69	66	63	72	76	82	81	79	74.6
	Minimum	48	48	52	54	56	58	54	50	55	49	45	46	39	48	52	56	44	28	28	28	36	43	49	34	30	33	32	33	35	43	37	43.4
Beattyville	Maximum	90	90	91	91	92	90	85	68	60	66	64	64	70	77	78	75	68	67	71	73	74	77	77	74	77	77	79	80	78	82	84	75.2
	Minimum	54	49	50	49	52	52	50	49	55	53	52	41	39	45	48	48	49	33	36	30	37	44	54	34	33	35	32	33	36	37	39	44.1
Berea	Maximum	86	89	90	90	90	88	82	66	60	66	62	61	62	75	78	75	68	66	67	72	72	78	74	74	74	74	75	75	78	80	80	74.3
	Minimum	54	52	51	52	55	68	61	55	53	53	49	44	36	37	46	54	44	31	29	32	38	43	50	32	33	41	33	37	44	44	46	44.9
Falmouth	Maximum	90	91	92	91	91	86	80	66	60	65	59	61	65	76	76	77	60	60	66	74	75	78	78	66	70	65	71	77	82	82	77	74.4
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	68	74	70	73	78	82	82	79	*76.7
Jackson	Maximum	85	86	86	88	90	88	87	72	70	65	59	63	68	74	...	...	...	...	...	...	...	...	...	74	72	72	74	76	77	77	75	*78.3
	Minimum	51	54	56	49	55	48	55	49	54	54	48	42	33	34	...	...	...	...	...	...	...	...	...	34	32	32	34	35	37	35	37	*43.5
Maysville	Maximum	88	85	88	86	89	86	78	67	62	64	57	60	60	73	75	70	60	56	64	64	66	72	72	58	65	57	67	75	76	77	70	70.2
	Minimum	56	52	55	55	55	64	63	55	55	55	51	44	35	39	49	57	39	33	34	34	40	48	50	35	40	40	33	41	42	44	42	46.8
Middlesboro	Maximum	84	82	85	86	87	79	70	71	70	65	62	65	70	69	70	77	70	63	66	68	74	71	68	66	73	69	68	74	80	82	81	74.4
	Minimum	50	48	52	49	45	55	59	60	60	59	47	40	33	39	42	45	32	28	28	28	38	37	44	31	33	34	28	30	32	34	36	41.9
Mount Sterling	Maximum	83	85	86	87	87	86	78	67	60	65	57	60	64	73	76	73	68	61	66	74	69	74	71	68	68	72	77	82	84	84	85	73.2
	Minimum	54	53	55	54	56	64	61	54	53	52	49	42	32	38	48	51	34	30	28	28	38	37	44	31	33	34	28	30	32	34	36	41.9
Richmond	Maximum	87	89	91	90	91	85	79	67	62	64	61	64	69	75	77	74	64	62	68	74	70	77	67	64	70	67	76	77	79	80	73	73.2
	Minimum	59	57	58	58	63	70	63	54	55	53	49	43	35	45	55	59	50	35	29	37	44	53	56	36	44	43	37	45	48	48	49	49.2
Williamsburg	Maximum	86	85	89	88	88	82	81	71	73	65	67	66	72	74	80	80	68	62	71	74	73	78	68	64	71	70	77	82	84	85	81	76.0
	Minimum	54	49	50	50	48	60	56	50	50	50	46	39	32	39	44	48	38	31	27	28	40	40	51	32	35	35	31	35	36	39	39	43.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * and ** indicate respectively 1, 2 and 3 etc. days missing from record.

NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

UNIVERSITY OF KENTUCKY LIBRARY

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., NOVEMBER, 1922. No. 11

GENERAL SUMMARY.

The deficiency in precipitation, a continuation of similar conditions during the preceding three months, resulted in one of the worst fall droughts ever experienced in this State. The shortage of water, already acute at the beginning of the month, became serious in the central and eastern counties, where farmers were compelled to haul water several miles for domestic purposes. Stock had to be driven long distances and suffered greatly for water. The reservoirs that furnished the water supply of some of the towns in the east-central district dried up, and it became necessary to lay pipe lines a distance of several miles to large streams in order to obtain water. Much timber was destroyed by extensive forest fires that burned throughout the month in the eastern mountain region. Drilling operations in the oil fields practically ceased from lack of water.

Dry, warm weather during the first and second weeks favored the gathering and cribbing of corn; but delayed seeding and germination. Good showers during the third week moistened the soil for a few inches and caused the late sown grain to sprout; but the low temperature that followed during the last decade checked growth so that wheat continued to develop slowly and the plants remained undersized. These rains also relieved temporarily the shortage of water. Tobacco could be handled on a few days near the middle of the month, otherwise no progress was made with stripping. Pastures were generally non-productive. They improved slightly after the showers, but growth was soon checked by the low temperature. Corn gathering had been nearly completed by the end of the month. It was cribbed in excellent condition, the ears being unusually dry and sound.

TEMPERATURE.

The average temperature for the month, 40 stations reporting, was 48.3°, which is 2.2° above normal. Maximum temperatures ranging from 65° to 80° occurred almost daily during the first two weeks, while minimum temperatures in the same period rarely fell to freezing. After the 20th temperatures averaged generally below normal, and minima ranged from freezing to 10°. The extremes were 87° on the 1st at Hopkinsville, and 10° on the 26th at Junction City.

PRECIPITATION.

The average precipitation for the State, based on reports from 55 stations, was 1.93 inches, which is 1.42 inches below normal. Light scattered showers occurred on the 1st, 6th, and 27th; and moderate to heavy showers in the period 14-18th. In the middle basin of the Green River, and a few other western counties, amounts ranged between 3.0 and 4.0 inches; but in the central and eastern districts only 0.7 inch to 2.0 inches occurred. In most of the mountain and blue grass region, less than 1.5 inches were received. Monthly amounts varied between 0.73 inch at Shelbyville and 4.55 inches at Bowling Green. Snowfall ranged from 0.5 inch to 4.0 inches at stations in the northern counties. Thunderstorms were reported from a few stations on the 6th.

MISCELLANEOUS

November 26.—A slight earthquake shock was felt in several of the western counties about 9:30 p. m.

Rivers:—The Ohio River, and its tributary streams in this State, continued very low during the month. Navigation in the Ohio was practically suspended, except when carried on by means of artificial waves.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.16	30.45	16	29.49	27	6118	8.5	37	nw.	27
Cincinnati ..... Ohio	30.16	30.48	10	29.56	27	5576	7.7	35	sw.	2
Evansville ..... Ind.	30.18	30.48	16	29.56	27	8054	11.2	37	sw.	1
Lexington ..... Ky.	30.18	30.47	16	29.62	27	10204	14.2	36	se.	1
Louisville ..... Ky.	30.18	30.48	16	29.60	27	8379	11.6	34	sw.	23

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 60 per cent or more.	20 per cent or less.
Cairo ..... Ill.	80	57	60	222.1	305.6	73	17	3
Cincinnati ..... Ohio.	79	56	64	166.4	301.5	55	11	7
Evansville ..... Ind.	80	55	63	209.4	303.7	69	14	3
Lexington ..... Ky.	78	60	.....	174.4	303.7	57	13	8
Louisville ..... Ky.	74	56	59	199.8	303.7	66	15	4

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with 0.1 in. or more rain.
1889	43.1	−3.0	85	10	6.04	+2.69	..
1890	48.6	+2.5	81	19	4.87	+1.52	..
1891	43.5	−2.6	75	10	6.04	+2.69	..
1892	42.8	−3.3	78	9	3.85	+0.50	..
1893	44.3	−1.8	79	− 2	3.12	−0.23	..
1894	43.3	−2.8	80	8	1.32	−2.03	4
1895	45.8	−0.3	85	16	4.29	+0.94	7
1896	49.3	+3.2	80	11	5.01	+1.66	8
1897	47.8	+1.7	78	12	4.69	+1.34	10
1898	43.2	−2.9	80	16	2.79	−0.56	8
1899	39.8	+3.7	79	20	2.12	−1.23	8
1900	47.0	+0.9	83	15	7.78	+4.43	8
1901	41.8	−4.3	82	11	1.52	−1.83	4
1902	53.4	+7.3	80	20	4.42	+1.07	11
1903	42.5	−3.6	81	5	3.01	−0.34	8
1904	44.7	−1.4	79	14	0.89	−2.46	3
1905	46.4	+0.3	79	14	3.55	+0.20	7
1906	46.1	0.0	83	11	5.02	+1.67	7
1907	44.2	−1.5	78	15	3.49	+0.14	7
1908	48.6	+2.5	80	8	2.61	−0.74	7
1909	54.7	+8.6	86	19	2.29	−1.06	6
1910	41.1	−5.0	78	11	2.04	−1.31	6
1911	41.6	−4.5	85	9	4.51	+1.16	8
1912	45.2	−0.9	82	10	1.22	−2.13	4
1913	50.5	+4.4	81	8	3.25	−0.10	9
1914	46.9	+0.8	83	5	1.23	−2.12	5
1915	49.8	+3.7	85	16	4.80	+1.45	9
1916	47.8	+1.7	84	8	1.52	−1.83	4
1917	44.3	−1.8	78	11	1.23	−2.12	5
1918	46.1	0.0	77	19	1.90	−1.45	6
1919	47.4	+1.3	78	16	7.31	+3.96	9
1920	44.7	−1.4	79	10	2.21	−1.14	8
1921	49.8	+3.6	79	20	7.96	+4.61	12
1922	48.3	+2.2	87	10	1.93	−1.42	6

Climatological Data for November, 1922.

Station.	County.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	18	49.6	+ 2.7	80	1	18	26	40	1.72	−1.46	0.45	0	7	19	7	4	w.	Miss Addie B. Taylor
Bardwell	Ballard	445	40	49.7	+ 2.4	76	2†	21	25	34	2.08	−1.99	0.91	0	7	15	8	7	sw.	F. W. Horr.
Bramblville	McLean	437	19	50.2	+ 2.0	78	1	21	25	35	3.68	+0.22	0.92	T.	6	9	18	3	nw	W. A. Taylor.
Carlisle	Nicholas	420	31	48.7	+ 0.8	77	1	19	26	36	3.03	−0.71	1.00	T.	7	22	3	5	n.	Brick Southworth.
Earlington	Hopkins	519	5	*49.3	.....	81°	1	15°	26	42°	3.25	.....	1.00	.....	6	16°	9°	2°	s.	C. R. Lovell.
Greenville	Muhlenburg																			W. W. Shelby.
Henderson	Henderson	827	13								2.24	−1.63	0.70	1.0	11					W. E. Graves.
Hopkinsville	Christian	524	25	°51.0	− 2.7	87a	1	21°	25	32°	3.79	−0.36	1.06	T.	6	16a	2a	11a	s.	B. C. Paris.
Marion	Crittenden	571	23	50.9	+ 2.6	82	1	21	25†	30	1.44	−2.28	0.75	T.	3	16	8	6	sw.	N. E. Douthit.
Mayfield	Graves	364	11	50.1	+ 1.1	78	2†	21	26	36	3.20	−1.00	1.40	0	6	18	10	2	nw	Henry S. Berry.
Owensboro	Daviess	479	25	47.6	+ 0.1	78	1	21	25†	34	2.80	−0.65	0.84	1.5	7	21	2	7	nw.	D. T. Hayden.
Paducah (Lone Oak)	McCracken	516	5																	Frank L. Brown.
Paducah "	McCracken	341	33	52.1	+ 3.0	74	1†	26	25	34	2.52	−1.60	0.89	T.	6	18	4	8	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	11	47.8	+ 1.1	77	1†	18	26	34	2.59	−1.03	1.25	0	6	17	1	12	s.	E. C. Shelton.
Russellville	Logan	590	9	48.1	+ 0.3	79	1	19	26	42										
Central Division.																				
Anchorage	Jefferson	700	21	46.3	+ 2.0	77	1	14	25	38	1.90	−1.05	0.74	0.6	6	20	1	9	sw.	C. E. Barret.
Bardstown	Nelson	637	25	48.1	+ 1.1	78	5	17	26	36	1.03	−2.35	0.48	0	5	18	3	9	s.	Chas. M. Talbott.
Bowling Green	Warren	500	31	50.4	+ 3.1	83	1†	20	26	42	4.55	+0.94	0.90	T.	8	17	7	6	w.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	4								3.22	.....	1.15	1.0	10					James H. Young.
Burnside	Pulaski	773	29								1.52	−1.69	0.55	T.	6					F. E. Bradshaw.
Camp Knox	Hardin	736	0																	Signal Corps, U. S. A.
Carrollton, Lock No. 1	Carroll	492	22								1.76	−1.17	0.93	.....	5					Charlie Oliver.
Cloverport	Breckenridge	378	8								2.71	.....	0.98	1.1	7					W. A. Lockerill.
Eubank	Pulaski	1177	27	47.2	+ 2.7	75	1†	14	26	35	1.78	−1.25	0.80	T.	6	13	7	10	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	28	48.0	+ 1.6	77	1	20	26	32	0.80	−2.61	0.39	T.	3	19	3	8	s.	Mrs. Amelia Wood
Franklin	Simpson	691	26	51.0	+ 2.5	82	1	20	26	33	2.54	−0.99	0.76	T.	7	12	11	7	s.	Volney Jameson.
Glasgow	Barren	788	0	50.0	.....	78	1	18	26	32	1.16	.....	0.58	1.5	4	19	4	7	s.	Dr. Fidelia Edwards.
Greensburg	Green	581	29	47.4	+ 2.2	79	2†	13	26	42	1.80	−1.61	0.88	T.	9	13	3	14	se.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	19								1.32	−1.85	0.67	0	6					Miss Lulu Wood.
Lexington	Breckenridge	646	24	48.8	+ 2.1	78	1	22	25	30	2.61	−0.60	0.65	1.0	7	15	4	11	sw.	W. J. Piggott.
Lexington																			s.	William E. Grubbs.
Lexington City	Boyle	985	28	46.6	+ 4.0	78	1†	10	26	44	1.78	−1.36	0.88	0.5	9	21	9	0	nw.	John E. Stone.
Louisville	Grayson	635	26	48.1	+ 1.8	79	1	19	26†	34	3.14	−0.79	0.72	4.0	7	20	5	5	nw.	U. S. Weather Bureau.
Louisville	Fayette	980	34	47.2	+ 2.5	76	1	20	25	27	0.88	−2.60	0.36	0.6	6	14	7	9	sw.	U. S. Weather Bureau.
Lexington	Jefferson	525	49	48.4	+ 1.7	75	1	23	25	25	1.88	−2.35	0.98	0.1	5	16	8	6	s.	Wm. I. Hunt.
Louisville	Do	534	12	46.8	+ 0.2	73	1	21	26	28	2.09	−0.84	1.10	0.5	7	20	3	7	sw.	
Do (Cherokee Park																				Sisters of Loretto.
St. John	Hardin	777	25	°49.2	+ 3.8	79	13†	18d	26	36d	1.93	−1.55	0.85	0.5	6	22	5	3	.....	E. B. Wilson.
Scott ¶	Kenton	900	24	47.4	+ 2.4	75	1	19	26†	32	2.07	−0.73	0.77	1.0	6	12	10	8	sw.	Mrs. W. T. Miller.
Shelbyville	Shelby	825	32			83	1				0.73	−2.68	0.30	0.5	6	17	2	11	s.	E. D. Bourne.
Taylorsville	Spencer	489	19	46.4	+ 1.6	77	1	16	26	37	1.22	−2.11	0.44	T.	6	21	3	6	sw.	Mrs. E. S. Humlong.
Williamstown	Grant	943	18	46.0	+ 0.9	72	2†	16	26	30	1.10	−1.13	0.34	T.	7	9	13	8	w.	J. C. Stinson.
Woodbury	Butler	533	4								2.96	.....	0.96	T.	8					
Eastern Division.																				
Ashland	Boyd	534	3	48.4	.....	79	1	19	29	39	1.10	.....	0.45	.....	4	16	3	11	n.	W. B. Shaw.
Beattyville	Lee	650	17	47.4	+ 3.3	78	2	14	26†	42	1.91	−1.03	0.90	T.	7	3	7	20	w.	Mrs. Sabine E. Hall.
Berea	Madison	1070	18	47.3	0.0	74	1	19	26	38	3.00	−0.10	1.78	T.	5	22	2	6	e.	F. C. Thompson.
Crittenton	Harrison	684	4								0.75	.....	0.45	1.0	3					P. H. Kehoe.
Falmouth	Pendleton	690	33								0.85	−2.32	0.50	T.	4	13	7	10	sw.	J. V. Oldham.
Farmers	Rowan	668	13	45.6	+ 0.6	77	1	13	26	43	1.67	−1.16	0.84	1.0	5	10	8	12	ne.	Mrs. Edna Tinsley.
Frenchburg	Menifee	776	9	47.6	.....	76	2†	11	26†	42	0.95	−1.78	0.30	0.4	7	15	9	6	w.	Dr. Dan. Fortune.
Jackson	Breathitt	584	15								1.31	−1.44	0.43	.....	7					T. D. Snyder.
Louisa	Lawrence	524	24	47.3	+ 2.7	74	2	19	26	31	1.10	−1.74	0.65	1.0	4	15	3	12	w.	Harry M. Robinson.
Maysville	Mason	1128	24	46.5	+ 0.7	77	1	14	29	39	1.47	−2.04	0.90	T.	5	20	9	1	.....	B. H. Perkins.
Middlesboro	Bell	930	32	46.0	+ 2.0	73	1†	16	26	35	1.50	−2.74	0.63	T.	5	20	3	7	w.	W. R. McKee.
Mount Sterling	Montgomery																			
Olive	Greenup	540	2								0.76	.....	0.54	T.	3				.....	Chas. Folsom.
Owenton	Campbell	443	0								1.43	.....	0.88	T.	2				.....	Andrew M. Stanforth.
Pikeville	Pike	634	16								1.29	−1.47	0.54	T.	3				.....	I. M. Williams.
Richmond	Madison	926	27	49.6	+ 2.8	78	1	20	25†	33	1.37	−1.50	0.55	0.5	6	19	2	9	.....	J. W. Crooke.
Vanceburg	Lewis	525	5								1.31	.....	0.84	0.2	4				.....	Samuel Johnson.
Williamsburg	Whitley	939	24	48.1	+ 1.0	80	2	11	29	42	1.71	−1.22	0.50	T.	6	16	8	6	nw.	Mrs. Ruth Inman.
State averages and extremes				48.3	.....	87	1	10	26	44	1.93	.....	1.78	0.4	6	16	6	8	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
T Precipitation is less than 0.01 inch rain or melted snow.
* Also on other dates. ** Received too late to be included in means and summaries.
¶ Post-office address, Covington, Ky. *Temperature data by Evening Sun.

Daily Precipitation for November, 1922.

Stations	Day of month																												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	T
Western Division.																																
Beaver Dam ..... G	.32					.18							.20	.06				.06									.45	.45				
Blandville ..... M.	.11					.91						.13	.06	.26			.01	.60														
Calhoun ..... G	.43					.83								.72	.21			.92														
Earlington ..... G	.48					.29								.71	.15			1.00								T	.55					
Greenville ..... G	.55					.33								1.00	.37			.55								T	.50	.05				
																											.45					
Henderson [] ..... O.	.08	.34			.07							.05	.03	.32	.35			.70	.05							.05	.20				
Hopkinsville ..... C.	.93					.74							1.06	.34			.56														
Marion ..... O	T.					T.						T			.75			.54							T.	.16					
Mayfield ..... M	.27					.78								.55	.15			1.40								T.	.15	T				
Owensboro ..... O	.48					.03						T		.78	.02			.84									.05					
																										T	.02	.03				
Paducah (Lone Oak) ..... O																																
Paducah ..... O	.56	.06				.48						T	.20	.38				.64									T	.10				
Princeton ..... G.	.38					.50							.59					.89								.01	.15					
Russellville [] ..... G	.09	.20				.40	.31							1.25														.34				
Central Division.																																
Anchorage ..... O		T.				.06						.22		.74	.21			.61								T.	.06					
Bardstown ..... S						.04								.48	.12			.26									.13					
Bowling Green [] ..... G	T.	.85				.90	.50						.05	.80	.60			.35	T													
Brownsville [] ..... G		.09	.13			.33	.27						.14		1.15			.30	.04									.50				
Burnside [] C		T.					.30							.55	.04			.20	.11							T	.32	.70				
Carrollton [] (Lock No. 1) ..... O.													.10		.93			.45														
Cloverport [] ..... O	.08	.09				.31	T.					.03		T.	.98			.76									.03			25		
Eubank [] C						T.	.30								.80	.08		.10	.30							T.	.46					
Frankfort [] ..... K.						T.	T.						T.	T.	.38			.39								T.	.20					
Franklin ..... G	.10	.18				.56								.53	.76			.30								.03						
																												.11				
Glasgow ..... G						.28								.20				.10									.58					
Greensburg ..... G		.07				.16	.03							.11	.58			.39		.01							.17	.28				
High Bridge [] ..... K		.05					.03							.02	.67			.50	.05													
Irvington ..... O	.21	.32				.23						T.		.65	.25			.63								T.	.32					
Junction City ..... K		.12				.06						.01		.14	.88			.41	.02	T.							.11	.03				
Leitchfield ..... G	.72					.25						.12		.72	.13			.54									.66					
Lexington *** ..... K	.02					.10						T.		.29	.07			.26								.04						
Louisville*** ..... O	.24					.16						T.		.98	T.		T.	.38								T.	.07		T.			
Do. (Cherokee Park) ..... O.	.19					.18						.06		*	1.10			.43									.13					
St. John ..... S.	.85					.05						T.		.35										.46			.20	.02				
Scott L						.04							.11	.77	.48			.57					T.	T.		.10						
Shelbyville ..... S												.05	.10	.30	.16			.05									.07					
Taylorsville ..... S	T.					.02						.04		.30	.26			.44									.07					
Williamstown L						.01							.03	.32	.84			.33	.01						T.		.06					
Woodbury [] ..... G	.06	.46				.30	.20								.96			.40								T.	.03	.55				
Eastern Division.																																
Ashland [] ..... O														.32	.25			.08	.45													
Beattyville [] ..... K		.12					.19							.90	.20			.08	.37													
Berea ..... K						.10	T.							1.78	T.			.92	.15								.05	T.				
Cynthiana [] L		T.	T.										T.	T.	.45			.25									.05					
Falmouth [] L													T.	.02	.50			.26	T.								.07					
Farmers [] L		.09													.84	T.		.50	.14								.10					
Jackson [] ..... K		.11													.27	.04		.30	.10						T.		.04					
Louisa [] ..... B		.07				.09									.43	.18		.09	.37								.02					
Maysville [] ..... O		T.					.15								.65	T.		.25	.10								.10					
Middlesboro C		.20				.08									.90			.25									.04	T.				
Mount Sterling L	T.																															
Oliver [] ..... O						.02								.42	.40			.63									.03					
Oneonta [] ..... O.															.54	T.		.15	T.								.07					
Pikeville [] ..... B.	T.														.88			.55							T.		T.					
Richmond ..... K		.01				.04	.28							.20	.38	.54											T.					
															.56			.50									.06					
Vanceburg [] ..... O															.84			.36	.05								.06					
Williamsburg [] C		.03					.13								.50	.41		T.	.40								T.	.24				

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

[] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *Precipitation included in the next following measurement.

‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

Daily Temperatures for November, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	80	79	72	74	76	72	67	66	58	66	74	75	79	70	63	55	63	65	65	54	53	51	64	60	42	45	40	45	52	65	..	63.0
	Minimum	61	64	37	37	46	55	34	30	30	26	40	43	51	60	42	31	37	47	39	36	21	22	24	30	20	18	31	30	20	37	..	36.3
Beaverville	Maximum	72	76	71	73	76	72	65	60	55	62	72	73	71	64	55	51	59	64	62	51	47	53	63	45	37	44	41	45	52	65	..	59.9
	Minimum	59	51	45	47	55	54	39	38	33	35	45	55	58	46	40	28	34	49	44	33	25	32	29	33	21	23	33	32	28	40	..	39.5
Blandville	Maximum	78	76	73	70	76	73	64	61	55	61	70	75	76	70	55	50	61	65	64	59	46	49	66	59	44	42	58	41	49	63	..	61.4
	Minimum	61	61	43	43	46	60	37	36	34	31	37	49	50	53	45	31	37	49	51	38	24	27	25	30	21	30	31	30	34	32	26	39.1
Calhoun	Maximum	77	76	72	71	75	72	64	56	56	63	71	74	76	72	56	50	62	67	64	53	46	49	60	56	37	41	59	42	50	64	..	60.4
	Minimum	61	40	43	41	46	58	35	33	29	38	41	49	55	52	42	28	28	47	43	37	22	26	26	31	20	19	33	31	23	33	..	37.0
Earlington	Maximum	80	78	73	77	77	77	66	66	60	63	71	..	79	73	61	58	63	73	..	69	53	55	64	57	47	46	41	46	54	..	..	°64.0
	Minimum	81	58	58	77	77	77	66	66	60	63	71	..	79	73	61	58	63	73	..	69	53	55	64	57	47	46	41	46	54	..	..	°34.6
Greenville	Maximum	60	52	35	39	48	52	35	32	30	27	40	..	48	54	41	29	26	46	..	35	21	22	22	29	18	15	29	30	20	..	..	°63.3
	Minimum	87	78	76	77	78	71	68	64	59	71	77	78	67	62	51	62	70	68	54	49	58	60	54	43	46	47	46	49	66	..	..	°38.8
Hopkinsville	Maximum	..	..	..	..	59	58	33	36	36	40	55	56	59	44	32	38	52	44	37	27	25	28	31	24	21	22	29	18	15	29	30	20	..	61.5
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	64	43	50	57	61	43	41	40	41	48	59	..
Marion	Maximum	82	75	77	73	75	75	65	67	59	60	70	74	76	76	55	56	58	68	65	53	47	49	53	68	54	43	44	41	40	41	..	40.3
	Minimum	65	53	47	44	54	58	44	40	34	33	47	59	58	52	42	28	35	48	45	34	25	31	30	33	23	21	32	32	30	41	..	62.7
Mayfield	Maximum	73	78	74	75	78	75	75	70	58	63	63	65	76	71	56	58	65	66	72	59	49	53	68	54	43	44	41	46	53	65	..	37.5
	Minimum	64	51	43	43	44	54	55	34	31	31	32	36	45	49	43	29	30	36	43	36	25	30	30	33	23	21	32	35	26	40	..	58.1
Owensboro	Maximum	78	74	67	70	74	63	64	53	56	60	69	74	75	70	60	50	54	62	59	42	47	49	60	47	38	40	37	40	49	62	..	58.1
	Minimum	60	54	40	45	51	42	34	34	34	33	41	50	52	58	42	32	30	46	40	37	27	26	26	29	21	21	29	26	24	30	..	37.1
Paducah (Lone Oak)	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Paducah	Maximum	74	74	72	74	73	68	66	61	60	57	72	73	72	68	68	52	63	64	52	46	63	48	64	48	43	44	45	48	48	62	..	60.7
	Minimum	64	62	54	53	52	53	43	42	38	40	40	55	61	57	45	34	38	51	47	36	25	34	35	35	26	31	40	37	30	41	..	43.5
Princeton	Maximum	77	72	68	69	77	72	62	59	51	62	71	77	71	67	52	47	61	67	60	50	46	47	54	54	40	41	38	38	47	63	..	58.8
	Minimum	60	50	43	47	49	53	34	32	25	31	37	48	53	50	43	29	29	48	38	35	25	24	24	31	23	18	26	31	23	37	..	36.9
Russellville§§	Maximum	79	76	73	71	76	69	64	59	56	65	73	78	77	63	56	53	61	66	61	41	50	50	59	44	39	42	41	43	51	65	..	60.0
	Minimum	58	52	42	44	49	55	39	36	30	29	31	42	55	56	42	31	29	35	45	36	23	23	27	29	21	19	23	31	22	32	..	36.2
Central Division.																																	
Anchorage	Maximum	77	76	74	69	75	65	68	55	54	64	70	68	76	61	56	54	60	65	63	47	49	45	60	49	40	42	35	46	52	63	..	59.1
	Minimum	54	49	39	41	46	44	31	30	27	26	36	47	46	55	40	27	26	44	89	34	21	23	23	23	14	16	26	23	19	35	..	53.6
Bardstown	Maximum	77	77	68	70	78	66	64	60	57	64	70	73	76	67	60	52	63	63	66	52	41	46	60	54	38	40	39	42	47	60	..	59.7
	Minimum	54	57	38	38	45	50	36	32	31	28	39	48	50	56	45	33	29	47	41	36	27	24	24	29	19	17	31	32	20	39	..	36.5
Bowling Green	Maximum	83	83	71	73	80	68	66	62	60	65	72	72	78	68	62	55	62	64	59	57	52	52	69	53	50	41	41	43	52	63	..	62.9
	Minimum	61	54	44	42	45	57	41	38	34	31	39	51	49	45	41	35	31	48	53	38	26	26	27	21	21	20	33	31	22	30	..	37.8
Burkesville	Maximum	76	75	62	67	73	68	60	62	54	63	69	73	74	69	59	52	62	59	67	59	47	49	55	53	39	36	38	37	47	59	..	58.8
	Minimum	45	55	38	40	45	56	30	39	27	28	40	48	45	45	48	29	29	49	50	36	31	20	27	24	20	14	30	31	17	33	..	35.5
Eubank	Maximum	77	74	72	67	72	64	62	55	52	59	68	70	73	71	61	52	60	63	62	52	45	44	57	56	45	37	41	39	41	47	60	58.4
	Minimum	51	58	43	43	43	58	37	34	36	28	36	46	49	52	45	36	29	45	40	37	30	26	27	32	21	20	32	33	21	33	..	37.5
Frankfort	Maximum	82	78	71	73	77	73	67	63	57	64	73	77	78	72	63	57	63	63	70	62	50	52	61	56	43	43	41	43	52	64	..	62.9
	Minimum	62	55	45	41	50	56	42	41	32	31	41	54	51	54	42	34	32	48	47	36	25	28	30	32	21	20	34	31	23	36	..	39.2
Franklin	Maximum	78	76	72	72	75	67	64	58	59	64	70	75	77	68	62	54	63	62	69	59	52	50	59	53	42	39	38	40	49	63	..	61.0
	Minimum	62	56	44	46	51	58	41	37	32	32	44	52	56	49	45	29	32	48	50	38	25	25	27	30	19	18	32	31	22	37	..	38.9
Glasgow	Maximum	76	79	70	69	76	69	65	60	55	65	71	74	79	78	61	53	65	65	69	61	49	50	59	54	40	39	40	40	49	63	..	61.4
	Minimum	53	54	35	35	40	54	37	26	29	23	32	41	42	53	43	27	24	51	44	35	23	19	18	29	16	13	30	29	17	33	..	33.5
Greensburg	Maximum	78	74	65	68	73	66	61	53	50	60	69	68	75	69	61	50	60	66	60	50	46	47	60	45	39	40	37	39	46	60	..	57.9
	Minimum	53	54	35	35	40	54	37	26	29	23	32	41	42	53	43	27	24	51	44	35	23	19	18	29	16	13	30	29	17	33	..	33.5
Lexington	Maximum	78	74	65	68	73	66	61	53	50	60	69	68	75	69	61	50	60	66	60	50	46	47	60	45	39	40	37	39	46	60	..	57.9
	Minimum	69	56	43	42	52	52	39	39	35	31	46	54	56	57	41	36	31	49	45	38	28	29	30	30	22	23	26	31	25	39	..	39.6
Junction City	Maximum	73	76	71	70	74	65	64	59	54	64	70	71	78	70	61	53	64	60	68	57	48	44	58	54	39	41	39	43	49	60	..	60.1
	Minimum	45	56	37	36	38	56	36	30	34	24	32	41	41	45	31	20	35	43	36	29	20	16	22	21	16	16	30	30	12	34	..	33.1
Leitchfield	Maximum	79	75	68	70	73	61	61	56	54	62	70	69	75	64	60	49	61	59	62	55	46	48	60	54	39	40	38	38	48	61	..	58.5
	Minimum	60	55	47	44	48	48	37	35	32	31	41	48	50	57	43	35	30	47	42	37	25	25	26	31	21	19	32	28	19	37	..	37.7
Lexington	Maximum	76	72	63	67	71	61	58	51	49	60	66	66	73	62	60	49	61	57	61	42	43	40	57	43	35	37	37	37	46	58	..	55.2
	Minimum	63	53	49	48	50	49	44	39	35	33	44	55	55	57	35	33	39	48	42	32	32	30	30	26	20	22	31	29	26	37	..	39.2
Louisville	Maximum	75	73	63	68	72	66	61	51	51	60	67	66	74	64	53	49	59	64	60	39	44	59	64	37	38	36	42	47	60	56.2	..	56.2
	Minimum	57	55	49	52	51	52	44	41	40	35	49	56	56	52	38	37	35	48	39	35	31	32	34	26	23	24	20	32	27	41	..	40.7
Ilo (Cherokee Park)	Maximum	73	71	60	64	70	62	60	51	50	58	66	65	72	74	53	49	58	61	59	39	42	42	57	38	37	38	35	40	47	59	..	55.0
	Minimum	53	56	42	45	44	58	39	41	36	30	42	52	52	56	44	33	30	47	42	37	27	28	29	32	22	21	30	32	25	37	..	38.7
St. John	Maximum	76	78	73	73	69	68	65	63	58	58	70	70	79	79	60	49	62	65	65	60	48	50	60	54	40	39	37	41	47	61	..	60.6
	Minimum	57	57	56	50	49	43	38	38	44	45	49	49	49	..	..	..	..	..	36	36	35	25	29	24	28	26	18	31	21	31	..	°37.9
Scott	Maximum	75	74	66	67	72	67	62	53	48	60	67	72	70	65	59	51	60	61	61	52	45	44	59	54	36	37	37	39	49	60	..	57.3
	Minimum	47	57	50	47	44	58	37	36	35	28	41	47	51	55	41	30	29	44	42	35	29	31	30	29	23	19	29	25	19	34	..	37.4
Shelbyville	Maximum	83	80	67	73	77	73	68	60	56	66	74	78	80	70	60	60	64	68	69	56	50	45	62	58	42	46	40	48	51	64	..	62.9
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29	18	18	27	28	33	..	.....
Taylorsville	Maximum	77	74	69	67	74	69	61	57	52	60	68	70	74	65	61	60	61	64	62	57	45	43	58	56	46	38	38	42	47	59	..	59.0
	Minimum	52	53	37	39	40	59	31	28	29	23	34	42	42	52	34	34	26	41	37	36	26	23	22	27	16	17	27	32	18	29	..	33.9
Williamstown	Maximum	76	72	68	67	71	65	59	55	51	58	67	72	71	65	58	52	58	61	61	52	45	41	56	54	43	38	40	36	44	59	..	56.9
	Minimum	47	51	46	42	42	56	37	36	30	28	42	46	48	51	41	25	28	43	40	33	27	25	27	25	18	16	27	25	18	33	..	35.2
Eastern Division.																																	
Ashland	Maximum	76	77	72	71	71	68	66	58	51	62	69	72	66	64	65	54	65	57	69	68	45	43	59	58	41	39	39	39	48	57	..	59.7
	Minimum	46	47	43	43	37	41	39	35	29	33	43	48	47	45	32	30	41	48	39	33	21	26	29	25	21	21	25	19	27	35	..	35.1
Beattyville	Maximum	70	78	72	70	75	66	67	60	56	67	71	75	77	68	67	52	56	62	64	64	52	48	58	53	41	43	41	39	54	61	..	60.9
	Minimum	39	53	39	39	39	43	42	29	29	25	31	38	42	43	46	32	28	37	45	37	34	31	30	28	24	14	26	29	14	24	..	33.8
Berea	Maximum	74	70	65	68	72	68	65	59	48	60	68	72	69	68	61	48	52	58	67	54	50	53	56	54	33	40	34	34	47	59	..	57.6
	Minimum	46	54	41	38	50	53	42	41	32	32	40	55	47	54	39	34	39	40	51	33	32	26	28	31	20	19	30	27	20	37	..	37.0
Farmers	Maximum	77	74	70	68	76	71	68	64	62	58	65	61	69	68	74	66	62	63	62	67	59	47	42	58	56	40	39	43	50	60	..	59.4
	Minimum	46	51	38	40	35	44	34	30	30	21	26	35	45	42	45	28	25	35	47	37	35	20	23	23	21	13	29	25	14	22	..	31.8
Jackson	Maximum	74	76	69	69	74	68	65	60	55	65	69	75	76	67	66	53	67	63	54	55	57	54	62	43	41	39	39	43	51	61	..	61.4
	Minimum	39	53	39	39	39	44	44	30	31	27	29	37	44	42	47	33	28	38	48	37	28	23	29	26	17	19	28	24	11	24	..	33.7
Morehead	Maximum	73	74	62	66	72	65	62	55	50	60	66	73	70	66	62	50	60	62	61	60	65	51	45	43	57	50	37	38	41	58	47	57.1
	Minimum	45	55	50	45	43	55	39	38	34	31	36	44	52	49	48	34	30	43	40	38	35	28	30	21	23	25	25	15	32	31	14	37.5
Middlesboro	Maximum	77	72	68	71	70	66	70	62	55	62	66	72	73	68	67	53	62	59	71	62	50	50	44	52	44	42	40	38	48	54	..	59.3
	Minimum	46	54	41	42	35	41	43	28	39	25	29	33	38	40	16	31	27	40	50	38	30	21	23	25	25	15	32	31	14	26	..	33.7
Mount Sterling	Maximum	73	73	64	66	72	64	61	55	49	61	69	70	73	63	59	49	62	58	65	51	53	50	54	54	45	37	41	39	48	58	..	56.4
	Minimum	47	54	52	45	50	45	40	36	28	26	36	39	50	48	44	30	28	43	45	34	32	30	26	28	19	16	30	25	17	28	..	35.6
Pikeville	Maximum	78	76	68	73	71	76	66	63	56	64	72	75	77	67	67	55	65	65	68	58	41	48	57	53	40	42	38	41	50	60	..	59.4
	Minimum	55	56	48	39	49	59	44	39	36	30	45	53	57	57	46	33	32	50	48	37	30	28	29	31	20	20	31	32	23	36	..	39.9
Williamsburg	Maximum	75	80	68	73	71	76	66	65	56	64	72	75	77	67	67	55	65	65	65	53	54	61	53	43	42	46	40	51	56	..	..	62.9
	Minimum	46	56	37	38	37	46	47	31	31	26	30	40	41	45	47	31	27	41	51	38	26	21	22	33	23	16	31	32	11	25	..	34.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

. . . . . indicate respectively 1, 2, 3, etc., days missing from record.

UNIVERSITY OF ILLINOIS LIBRARY
JAN 5 1923

NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

UNIV. OF ILLINOIS LIBRARY

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVI. LOUISVILLE, KY., DECEMBER, 1922. No. 12

GENERAL SUMMARY.

Unseasonably warm weather during the first eight days, that caused renewed growth of grass and winter grains, was followed by a cold period of about equal length in which development ceased and vegetation became dormant. The hard freezes had some heaving effect on wheat and young timothy where the soil was wet, but these crops on well drained land were not injured. Warm weather also prevailed during the last decade, but freezing temperatures at night prevented growth. In the blue grass region pastures improved slowly until the cold weather set in, and furnished considerable grazing throughout the month. The prevailing mild weather, without snowfall of consequence, made the month especially favorable for stock outdoors; which passed through this part of the winter with only moderate feeding.

Precipitation averaged above normal for the first time in five months. Heavy rains about the 4th overcame the water shortage that had persisted throughout the late summer and fall. Ponds, cisterns, and small streams were filled; but springs did not resume their usual flow until late in the month. The gathering of shocked corn, delayed by dry weather in November, was generally completed during the first two weeks. The warm and rather frequent rains supplied the conditions necessary for handling tobacco. Although stripping had scarcely begun at the first of the month, it was approaching completion on many farms toward the close; while exceptional progress was made in marketing the crop. Dirt roads deteriorated, but highways remained in good condition.

TEMPERATURE.

The average temperature for the month, 41 stations reporting, was 41.5°, which is 4.4° above normal. Maximum temperatures in the periods, 1st-8th and 24-27th ranged from 60° to 70°; while minimum temperatures seldom fell below freezing. There were two periods of severe freezes, 12-13th and 18th-21st, when the lowest temperature ranged between 10° and 20° at most stations. The extremes were 77° on the 8th at Williamsburg, and 5° on the 19th at Williamstown.

PRECIPITATION.

The average precipitation for the State, based on reports from 55 stations, was 5.64 inches, which is 1.70 inches above normal. Moderate rains occurred in the periods, 1st-10th, 14-17th, 27-28th, and 31st. The rainfall was heavy at many stations on the 4th, 7th, 17th, and 28th, especially in the central and eastern counties. In the district near the Ohio River precipitation ranged between 4.0 and 6.0 inches, and increased generally toward the southern and eastern boundaries; reaching 8.0 to 9.0 inches in the upper Cumberland basin. Monthly amounts varied between 3.79 inches at Cloverport and 9.30 inches at Middlesboro. Except in the northeastern counties, where from 1.0 to 2.0 inches occurred, snowfall was confined to a few flurries. Thunderstorms were reported on the 4th, 7th, and 8th.

MISCELLANEOUS.

Rivers:—The rains of the 4th caused a rise in the Ohio River that permitted the resumption of navigation. Other rises occurred near the middle and last of the month, furnishing good boating stages most of the time.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.12	30.63	18	29.46	27	7861	10.6	31	nw.	27
Cincinnati ..... Ohio	30.14	30.65	18	29.56	27	5902	7.9	28	nw.	28
Evansville ..... Ind.	30.14	30.65	18	29.49	27	8899	12.0	35	s.	30
Lexington ..... Ky.	30.15	30.64	18	29.52	27	11112	14.9	65	s.	31
Louisville ..... Ky.	30.14	30.71	18	29.47	27	8783	11.8	39	s.	11

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	82	64	69	152.9	299.1	51	10	12
Cincinnati ..... Ohio.	85	70	74	114.8	293.4	39	7	14
Evansville ..... Ind.	80	67	69	117.4	296.3	40	7	14
Lexington ..... Ky.	85	73	.....	108.3	296.3	37	6	15
Louisville ..... Ky.	77	65	65	115.5	296.3	39	8	14

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature. Monthly average	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with .01 in. or more rain
1889	50.2	+13.0	76	13	1.57	−2.37	..
1890	37.8	+ 0.7	70	12	3.51	−0.43	..
1891	42.4	+ 5.3	60	15	4.10	+0.16	..
1892	34.6	− 2.5	74	− 3	4.22	+0.28	..
1893	39.0	+ 1.9	78	10	2.69	−1.25	..
1894	38.7	+ 1.6	76	−11	4.31	+0.37	10
1895	38.8	+ 1.7	77	6	4.43	+0.49	9
1896	39.6	+ 2.5	73	7	1.82	−2.12	4
1897	38.0	+ 0.9	72	3	3.75	−0.19	10
1898	34.1	− 3.0	70	−12	2.74	−1.20	8
1899	34.8	− 2.3	70	−15	4.26	+0.32	10
1900	38.6	+ 1.5	70	12	2.59	−1.35	8
1901	32.3	− 4.8	72	−22	4.90	+0.96	10
1902	36.7	− 0.4	72	− 3	7.36	+3.42	12
1903	30.7	− 6.4	58	0	2.88	−1.06	7
1904	36.4	− 0.7	72	− 2	4.30	+0.36	11
1905	37.3	+ 0.2	66	11	4.38	+0.44	8
1906	39.0	+ 1.9	76	− 9	5.64	+1.70	15
1907	38.5	+ 1.4	70	8	3.20	−0.74	11
1908	39.8	+ 2.7	74	7	2.42	−1.52	9
1909	29.9	− 7.0	59	−14	3.46	−0.48	9
1910	31.1	− 6.0	66	− 3	8.37	+0.57	8
1911	41.6	+ 4.5	74	11	6.25	+2.31	12
1912	37.2	+ 0.1	73	5	3.98	+0.04	9
1913	39.5	+ 2.4	70	11	2.73	−1.21	7
1914	32.8	− 4.3	70	−16	5.22	+1.28	14
1915	37.0	− 0.1	64	9	7.56	+3.62	12
1916	35.5	− 1.6	74	−14	4.23	+0.29	10
1917	26.5	−10.6	72	21	2.01	−1.93	8
1918	44.8	+ 7.7	75	14	4.44	−0.50	12
1919	34.6	− 2.5	68	3	4.93	+0.99	7
1920	38.6	+ 1.5	68	4	2.89	−1.05	9
1921	41.7	+ 4.6	73	18	4.40	+0.46	7
1922	41.5	+ 4.4	77	5	5.64	+1.70	12

Climatological Data for December, 1922.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation in inches. Total	Departure from the normal	Greatest in 24 hours	Total snowfall unmelted	Number of days. With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	Observers
Western Division																				
Beaver Dam	Ohio	441	18	43.2 + 6.1		74	8	11	19	41	4.60	+0.85	0.80	0	11	11	6	14	w.	Miss Addie B. Taylor
Blandville	Ballard	445	40	41.0 + 3.9		68	1[f]	13	19	32	4.77	+0.84	1.44	0	13	8	8	15	sw.	E. W. Horr.
Calhoun	McLean	437	19	42.8 + 4.6		68	8	17	13[f]	34	5.64	+1.39	1.01	0	12	5	16	10	sw.	W. A. Taylor.
Earlington	Hopkins	420	31	41.2 + 3.1		67	8[f]	11	19	36	5.32	+1.51	0.96	0	9	12	4	15	s.	Brick Southworth.
Greenville	Muhlenburg	519	5	[a]42.2		74[d]	8	10[f]	19	43[f]	4.68		0.85	0	11	8[d]	13[d]	6[d]	s.	C. R. Lovell.
											6.17	+2.16	2.50	T.	10					W. W. Shelby.
Henderson	Henderson	327	13								6.84	+2.07	1.76	0	15	4	3	24	s.	W. E. Graves
Hopkinsville	Christian	524	25	42.6 + 4.8		70	4	14	19	29	3.98	−0.24	1.07	0	9	8	6	17	s.	B. C. Paris.
Marion	Crittenden	571	23	41.7 + 4.2		68	2	12	19	30	6.77	+2.41	1.45	0	11	11	8	12	sw.	N. E. Douthit.
Mayfield	Graves	364	11	43.8 + 5.3		69	1[f]	15	19	39	4.58	+0.72	1.62	0	11	10	5	16	se.	Henry S. Berry.
Owensboro	Daviess	479	25	40.2 + 3.6		68	8	13	19	33										
Paducah, Lone Oak	McCracken	516	5	43.8		71	5	14	19	40	4.25		1.40	0	7	16	4	11	e.	J. W. Lilley.
Paducah [e]	McCracken	341	33								4.60	+0.84	1.20	0	10					Frank L. Brown.
Princeton	Caldwell	529	11	40.6 + 2.9		66	1[f]	13	19	36	5.55	+1.11	1.59	T.	11	8	9	14	s.	Dr. W. L. Cash.
Russellville	Logan	590	9	[a]43.3 + 4.6		72	7	13[f]	19	41[f]				0	..	10[f]	1[f]	14[f]	s.	E. C. Shelton.
Central Division																				
Anchorage	Jefferson	709	21	38.4 + 4.8		70	8	9	19	37	5.23	+1.25	2.06	0.5	12	13	3	15	se.	C. E. Barret.
Bardstown	Nelson	637	25	41.3 + 5.6		72	8	12	19	34	5.45	+1.09	1.30	0	12	11	3	17	s	Chas. M. Talbott.
Bowling Green	Warren	500	31	43.8 + 6.2		72	8	12	13	34	4.67	+0.85	1.00	0	11	9	4	18	w.	Mrs. Lillie G. Causey
Brownsville	Edmonson	410	4								5.54		0.95	0	13					James H. Young.
Burnside	Pulaski	773	29								8.77	+4.48	2.06	0	15					F. E. Bradshaw.
																				Signal Corps, U. S. A.
Camp Knox	Hardin	736	0																	Charlie Oliver.
Carrollton (Lock No. 1)	Carroll	492	22								3.81	+0.81	1.65		10					W. A. Cockerill.
Cloverport	Breckenridge	375	8								3.79		1.09	0	14					
Eubank	Pulaski	1177	27	42.4 + 6.7		69	8	12	19	32	5.46	+2.04	1.40	0	9	8	8	15	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	28	40.9 + 3.7		71	8	12	19	34	5.94	+2.35	2.80	T.	12	14	1	16	s.	Sidney Wood.
Franklin	Simpson	691	26	45.0 + 4.8		72	8	15	19	36	6.70	+2.18	1.04	T.	16	9	9	13	s.	Volney Jameson.
Glasgow	Barren	788	0	43.8		70	8	13	19	33	6.69		1.60	0	12	13	1	17	s.	Dr. Fidella Edwards.
Greenburg	Green	581	29	42.3 + 5.9		72	8	9	19	41	6.38	+2.22	0.93	0	15	7	2	22	s.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	762	19								5.00	+0.82	1.09	0	14					Miss Lulu Wood.
Irvington	Breckenridge	646	24	41.6 + 5.6		71	8	13	19	30	4.78	+0.88	1.81	T.	12	8	3	20	sw.	W. J. Piggott.
Junction City	Boyle	985	28	41.4 + 6.1		73	8	12	29[f]	38	6.59	+2.06	1.90	T.	12	16	11	4	s.	William E. Grubbs.
Louisville	Jefferson	635	26	41.4 + 5.6		70	8	14	19	35	6.33	+1.71	2.73	T.	10	10	5	16	s.	John E. Stone.
Lexington	Fayette	989	34	39.1 + 2.7		68	8	11	19	31	5.67	+2.35	2.12	0.1	15	8	8	15	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	49	39.2 + 1.6		68	8	11	18	33	4.96	+1.23	2.03	0.2	13	8	6	17	s.	U. S. Weather Bureau.
Do (Cherokee Park)	Do	534	12	38.2 + 3.3		69	8	11	18[f]	30	5.84	+1.17	1.09	0.5	12	10	5	16	s.	Wm. I. Hunt.
St. John	Hardin	777	25	41.4 + 6.8		70	8	15	13[f]	40	6.03	+1.61	1.85	0	10	16	5	10	.....	Sisters of Loretto.
Scott ¶	Kenton	900	24	37.4 + 4.2		67	8	6	19	29	4.18	+0.97	1.20	0.2	10	7	9	15	sw.	E. B. Wilson.
Shelbyville	Shelby	825	32	[a]41.2 + 6.2		71[b]	8	10	19	39[b]	7.30	+3.41	2.67	T.	13	10	4	17	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	19	39.7 + 4.5		71	8	12	19[f]	35	6.29	+1.89	1.57	T.	13	8	5	18	se.	E. D. Bourne.
Williamstown	Grant	943	18	37.2 + 3.7		68	8	5	19	31	4.41	+0.90	0.96	T.	11	11	5	15	e.	Mrs. E. S. Humlong.
Woodbury	Butler	533	4								4.71		0.90	T.	14					J. C. Stinson.
Eastern Division																				
Ashland	Boyd	534	3	[a]42.4		74	8	13[f]	13	37[f]	6.72		1.90	1.0	11	10	8	13	ne.	W. B. Shaw.
Beattyville	Lee	630	17	40.5 + 4.8		64	8[f]	13	19[f]	37	5.83	+1.50	1.86	T.	13	9	4	18	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	41.8 + 5.2		69	8	12	19[f]	37	6.92	+1.55	1.80	0.2	12	15	3	13	e.	F. C. Thompson.
Cynthiana	Harrison	684	4								5.05		1.70	1.0	11					P. H. Kelso.
Falmouth	Pendleton	600	33								4.30	+0.95	0.97	T.	13	12	1	18		J. V. Oldham.
Farmers	Rowan	668	13	40.9 + 5.8		72	8	10	19	38	6.92	+3.17	3.10	T.	8	12	6	13	e.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	[a]44.4		73[b]	8	11[b]	13[f]	31[b]	6.38	+2.78	1.75	T.	13	4[b]	4[b]	10[b]	w.	Dr. Dan. Fortune.
Louisa	Lawrence	584	15								6.66	+3.16	2.25	1.7	12					T. D. Snyder.
Maysville	Mason	524	24	38.6 + 4.8		70	8	10	19	31	4.36	+0.60	1.22	1.0	10	11	1	19	w.	Harry M. Robinson.
Middlesboro	Bell	1128	24	43.6 + 5.7		65	5[f]	20	13	33	9.39	+5.15	1.48	0	17	10	9	12	.....	B. H. Perkins.
Mount Sterling	Montgomery	930	32	39.2 + 4.3		71	8	10	19	31	6.44	+2.26	1.97	T.	12	19	2	10	nw.	W. R. McKee.
																				Chas. Folsom.
Owen	Greenup	540	2								4.11		1.56	2.2	10					Andrew M. Staunforth.
Owenita	Campbell	443	0								5.05		1.25		12					I. M. Williams.
Pikeville	Pike	634	16								5.26	+1.39	1.16	T.	11					J. W. Crooke.
Richmond	Madison	926	27	43.6 + 6.5		71	8	13	19	36	5.75	+1.80	1.35	T.	14	15	1	15	.....	Samuel Johnson.
Vanceburg	Lewis	525	5								5.74		1.63	0.8	13					
Williamsburg	Whitley	939	24	45.4 + 7.1		77	8	16	13	39	7.53	+3.84	1.32	T.	17	10	6	15	nw.	Mrs. Ruth Inman.
State averages and extremes				41.5		77	8	5[f]	19	43	5.64		3.10	0.2	12	10	6	15	s.	

[a] Temperature data are taken from self-registering thermometers.

[b] Departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], appearing in the table indicate number of days missing; for example, b represents two days, etc.

[d] Also on other dates. [f] Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.

¶ Post office address, Covington, Ky. *Temperature data by Evening Sun.

Daily Precipitation for December, 1922.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam ..... G				60	.80		.45	.30	.20					.10		.10	.30									.20	.55				4.09
Blandville ..... M	.14	.12	.08	1.26	.08	.19	T	.13	.08					.32		.25	T									.62	1.44			.60	4.17
Calhoun ..... G	.20			1.01	.91		.40	.08	.05	.18	T			.55		T	.29									.22	.55		.27		4.04
Darlington ..... G	.16			.59	.96		.47	.05	T					.68	T.	T.	T									.57	.83		.75		5.30
Greenville ..... G	.25			.45	.85		.60	.15	.20					.65		.10	.26									* 1.17					4.68
Henderson‖ ..... O	.30			2.50	.30		.16	.06						.38			.22									1.60	.55		.54		4.17
Hopkinsville C	.37	.31	.01	.68	1.11		.54	.03	.19	.04				.93		.01	.04									1.76	.40		.42		6.83
Marion ..... O	.14				.32		1.07		.11					.31			.23									.15	.50		.85		3.98
Mayfield ..... M	.24	.41	.59	.76	.70		.59		.50					.65			.07									1.45			.10		6.77
Owensboro ..... O	.20			1.62	.09		.15	.25	.05	.25						T	.42									.70	.35		.20		4.58
Paducah (Lone Oak) ..... O		.87		.43			.50	.10						.40												1.46			.55		4.25
Padnah ..... O	.08	.06		.36	1.20		.46	T.	T.					.40			.24									1.60	.18		.62		4.10
Princeton ..... G	.12	.03	T	1.59			.60	.04	.04		T			.53		T	.15				T.					.94	.06		.91		5.75
Russellville ‖ ..... G																																
Central Division.																																
Anchorage ..... O	.15			2.06	.11		1.11		.03	.04				.27		.20	.21									.68	.14		.23		5.23
Bardstown ..... S	.18			1.30	1.15		.55	.03	.10	.28				.58		.30	.45									.27	.26				5.45
Bowling Green ..... G	.20	.30		.20		.70	T.	.72		.10					1.00	.50	.42									.33	.20		T		4.17
Brownsville ‖ ..... G	.25	.18		.40	.95		.45	.03	.47	.31				.60	.64		.40									.50			.30		5.54
Burnside C		.52	.03	.38	.80		.69	.45	.27	.13		.09		.65	1.96		2.06										.52	.15	.07		8.77
Carrollton ‖ (Lock No. 1) ..... O	.25						.34	.63	.16			T.		.10	.07		.38									1.65	.66		.17		3.81
Cloverport ..... O	.08	.01		1.09	.71		.08	.09	.04	.12				.38	.15		.43									.05	.28	T	.28		3.29
Eubank ‖ C				.20	1.40			.40	.68					.28	.75		1.40										.50		.05		5.46
Frankfort ..... K	.20			.24	2.80		.29	.74	T.	.30				.22	.12		.48				T						.40	.65		.10		5.34
Franklin ..... G	.21	.49	.18	.56	.85		1.04	.15	.09	.03				.80	.40	.17	.33									.33	.49		.58		6.70
Glasgow ..... G	.80	.20		1.00			1.60	.24		.04				.80	.18	.38	.30									1.00			.15		6.69
Greensburg ..... G	.05	.01		.93	.91		.73	.06	.17	.09				.70	.13	.39	.61									.59	.85		.16		6.28
High Bridge ..... K	.13	.02		.16	1.05		.44	.86	.07	.33				.18	.15		1.09										.44	.03		.05		5.00
Irvington ..... O	.23	T.		1.81	.27		.42	.02	T.	.28				.69	T.	.15	.24				T					.33	.09		.35		4.78
Junction City ..... K	.02			1.90			.86	.02	.42	.59				.57		.40	1.00									.24	.37	T	.20		6.59
Leitchfield ..... G	.11			2.73			.50	.46	.31					.85		.52										.35	.15		.35		6.33
Lexington *** ..... K	.08	T.	T.	2.08	.04		1.35	.02	.20	.01	.02			.15	.01	.61	.23				T					.38	.32		.17		5.67
Louisville *** ..... O	.13			2.03			.89	.01	.09		T.			.27	.01	.21	.18				T.					.78	.15	.01	.26		4.96
Do. (Cherokee Park) ..... O	.16			1.09	1.00		1.02	.05	T.	.10	T.			.20	.09	T.	.40									*	.97		.26		5.34
St. John ..... S	.14			1.85	.84			.71	.10					1.00		.30							.66			.15			.28		6.03
Scott L	.20			.45	.19		1.20	.05			T			.20		T.	.41				T.					.78	.47		.23		4.18
Shelbyville ..... S	.40			2.97	.31		1.04	.10	.05	.26				.50		.02	.43									.40	.50		.32		7.30
Taylorsville ..... S	.27	T.		1.57	1.26		.76	.23	.08	.09				.50		.08	.55				T.					.27	.42		.21		6.29
Williamstown L	.13			.96	.42		.95	.36		.01				.19			.42									.32	.50	T.	.15		4.41
Woodbury ‖ ..... G	.05	.10		.45	.90		.33	.10	.35	.21				.68	.26		.41									.12	.54		.21		4.71
Eastern Division.																																
Ashland ‖ ..... O			.05		1.90		.72	.90	.45	.40				.05	.10		1.30						T.				.70	.15				6.72
Beattyville ‖ ..... K		T.		.08	1.42		.58	.60	.17	.18				.44	.26		1.86	.08									.08	.05		.03		5.83
Berea ..... K	.06	T		1.15	.85		.87	.17	.18	T.				.95		.55	1.80									.20	.02		.12		6.92
Cynthiana ‖ L	.05		T	.15	1.70	T.	.25	1.05	.30	.35			.05	T.			.15										.95			.05		5.05
Falmouth ‖ L	.12			.19	.97		.31	.83	.21	T.				.07	.13		.41									.02	.93	.01	.10		4.30
Farmers ‖ L				1.23	.10		.42	.69	T.	.30				T.	.32		1.38				T.					.59	T				6.92
Jackson ‖ ..... K		.50	.40	.60	.38		.45	.42		.20		.12			.66	.34	1.75									.12		.44			6.38
Louisa ‖ ..... B				.03	2.25		.39	.54	.19	.37		.03		T.	.18	.03	1.90										.35	.40				6.66
Maysville ..... O	.10			T.	1.22		.20	.88	.25	.25					.15		.58				T.					.65	T.		.08		4.36
Middlesboro C	.25	.58	.46	.69	.57		.21	.27	.90	.10				.67	1.32	1.48	.96									.05	.47	.10	.22		9.30
Mount Sterling L	.12	T.		1.97	.58		1.28	T.	.03	.31				.21	T.	.12	.96				T.					.31	.45	.10			6.44
Oliver ‖ ..... O					1.56		.34	.61	.12	.44					.17		.33				.02						.42	.10				4.11
Oneonta ‖ ..... O	.28			.05	.63		.96	.91	.09					.04	.16		.41									.05	1.25		.22		5.05
Pikeville ‖ ..... B		.32		.38	.96		.34	.42	.16	.12				.28	1.16		.84										.28	T.				5.26
Richmond ..... K	.05			.85	.50		1.35	.19		.28				.28	.10	.20	1.30				.02					.19	.35		.09		5.75
Vanceburg ..... O	.05			.03	1.63	.25	1.01	.10	T.	.25				.14	.80	.11										1.10	.03		.24		5.74
Williamsburg ‖ C		.43	.90	.55	.77		.32	.70	.56	.11		.01		.29	1.32	.01	1.15	.02							.01	T.	.15	.23		T		7.53

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

Daily Temperatures for December, 1922.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	68	63	65	66	66	61	62	74	60	46	56	55	33	44	43	44	40	35	43	50	43	54	59	66	66	70	62	50	44	50	54	54.5
	Minimum	56	57	40	50	35	25	50	44	35	26	30	26	20	31	20	15	30	22	11	18	26	24	34	24	30	36	50	31	30	30	41	32.0
Blandville	Maximum	68	57	57	67	62	59	68	66	38	44	48	48	31	46	40	37	38	30	40	47	48	52	59	62	66	62	60	39	44	51	50	51.1
	Minimum	51	42	42	48	34	31	45	35	29	24	32	18	16	29	22	23	30	16	13	24	20	26	37	30	35	46	37	29	24	36	34	30.9
Calhoun	Maximum	66	61	60	66	65	57	63	68	53	44	55	54	31	41	48	36	39	35	37	45	40	49	52	61	61	65	62	58	41	51	53	52.2
	Minimum	56	43	40	50	36	31	49	43	36	34	42	25	17	30	25	32	33	17	18	20	21	26	32	27	29	34	53	33	32	33	37	33.4
Earlington	Maximum	66	58	57	66	66	60	62	67	40	45	54	50	30	45	38	35	37	29	38	46	40	51	56	62	62	67	64	52	42	50	53	51.2
	Minimum	56	43	39	48	35	27	47	39	31	27	34	22	16	29	25	28	28	16	11	18	21	25	37	26	32	35	51	32	25	33	34	31.1
Greenville	Maximum	69	65	62	67	70	61	63	74	48	...	59	56	32	46	49	34	39	38	43	49	46	55	59	68	66	69	67	...	...	...	58	*56.0
	Minimum	38	42	29	48	38	26	47	42	34	27	...	24	14	28	24	20	30	16	10	12	13	23	35	25	32	37	...	...	21	...	36	*28.4
Hopkinsville	Maximum	67	63	60	70	56	58	64	66	41	50	58	51	32	59	45	38	38	35	39	46	40	48	52	58	56	66	66	49	46	50	47	51.9
	Minimum	51	44	43	51	39	33	51	38	33	32	35	22	17	31	26	26	32	20	14	21	22	26	35	31	31	40	51	33	30	34	40	33.3
Marion	Maximum	65	68	58	65	65	54	61	66	45	48	49	52	28	41	44	34	37	35	36	43	45	48	54	59	66	66	66	53	36	50	51	51.2
	Minimum	57	43	41	48	44	29	44	45	30	25	31	23	15	26	23	22	31	15	12	26	20	25	36	30	36	49	52	31	24	30	35	32.2
Mayfield	Maximum	69	61	60	68	69	64	65	68	66	52	50	52	31	44	45	39	40	36	42	49	45	53	67	66	68	63	63	52	48	51	53	54.8
	Minimum	58	42	42	50	36	32	47	48	30	35	29	24	18	29	24	24	31	18	15	20	23	25	32	30	29	45	50	31	24	35	38	32.7
Owensboro	Maximum	65	64	58	64	63	58	62	68	46	45	53	45	31	39	36	35	46	35	36	43	36	49	50	60	61	66	62	42	39	49	48	50.1
	Minimum	54	39	39	49	34	30	44	36	29	27	32	21	15	27	23	23	28	14	13	22	20	26	33	27	30	41	42	30	27	32	31	30.3
Paducah (Lone Oak)	Maximum	70	60	68	65	71	65	67	69	47	49	50	51	32	49	45	38	42	40	44	51	43	55	60	65	67	67	62	51	47	51	55	54.8
	Minimum	52	44	46	50	31	32	47	40	31	26	33	23	17	30	24	25	32	18	14	23	21	31	37	30	38	47	45	32	26	36	37	32.8
Paducah	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
Princeton	Maximum	61	56	56	66	66	56	63	62	41	44	55	51	31	45	45	34	38	35	35	44	39	44	50	53	64	66	60	48	43	55	53	50.3
	Minimum	55	41	39	50	35	30	47	41	31	27	30	23	16	29	24	22	31	16	13	23	20	23	30	27	28	33	48	32	24	32	39	31.0
Russellville§§	Maximum	65	60	...	...	66	56	72	...	56	54	56	32	45	54	...	...	...	...	54	47	41	55	58	64	64	67	59	37	45	49	55	*54.6
	Minimum	41	44	45	...	...	28	44	53	...	31	32	28	16	29	...	...	...	...	13	14	23	22	29	30	35	37	43	31	31	33	36	*32.0
Central Division.																																	
Anchorage	Maximum	65	57	61	61	61	51	60	70	44	42	54	51	32	40	38	35	40	32	36	46	34	47	51	58	59	66	56	54	34	48	54	49.6
	Minimum	47	35	34	45	28	26	41	38	28	21	30	17	12	27	18	17	29	11	9	17	17	20	28	21	32	32	44	31	27	27	37	27.3
Bardstown	Maximum	64	57	61	64	65	52	60	72	47	39	54	52	32	45	40	34	37	35	33	47	46	47	54	59	60	67	61	54	38	58	54	51.2
	Minimum	49	38	45	47	37	28	44	46	32	24	30	24	15	29	27	23	32	16	12	17	20	25	34	25	37	37	50	33	30	28	40	31.4
Bowling Green	Maximum	65	60	60	68	66	66	60	72	48	46	55	51	33	45	53	35	38	42	49	43	53	60	64	66	67	65	59	46	49	54	54	54.2
	Minimum	31	44	48	50	40	45	50	47	37	32	31	27	12	25	28	25	33	22	14	20	25	29	35	30	39	41	38	34	32	29	43	33.4
Eubank	Maximum	59	62	61	65	65	58	57	69	61	40	49	49	32	53	52	43	45	33	34	48	46	48	57	60	60	68	65	60	40	45	53	52.8
	Minimum	46	43	49	45	40	28	46	44	36	30	30	29	15	29	37	33	30	20	12	18	21	25	37	28	40	37	34	32	29	22	26	32.0
Frankfort	Maximum	65	62	57	61	61	49	58	71	52	39	53	52	30	47	41	36	38	38	38	46	42	45	50	55	57	66	68	55	36	49	55	50.4
	Minimum	51	39	43	45	39	28	41	51	31	26	31	26	16	29	28	24	31	15	12	18	22	26	32	25	35	32	47	34	29	28	43	31.4
Franklin	Maximum	64	62	63	67	68	65	69	72	50	46	54	51	31	59	64	36	40	41	42	53	44	53	62	64	68	66	62	56	47	48	53	55.3
	Minimum	52	45	49	56	40	31	45	49	36	32	33	27	18	30	28	26	35	21	15	23	25	29	37	32	42	44	52	32	32	32	34	34.8
Glasgow	Maximum	62	61	61	66	59	63	60	70	52	52	52	51	31	60	57	36	40	36	42	51	41	59	55	63	66	65	58	50	44	51	53	53.8
	Minimum	54	44	46	48	40	30	48	50	36	31	32	29	17	31	28	26	33	20	13	23	23	26	28	31	40	42	40	32	31	33	47	33.9
Greensburg	Maximum	63	62	63	66	66	60	60	72	53	42	53	52	32	58	58	36	40	37	38	50	42	51	58	62	63	68	63	55	42	52	55	54.0
	Minimum	49	43	47	44	39	21	45	49	33	28	28	26	14	28	27	20	31	17	9	14	18	22	27	21	34	28	48	32	29	23	44	30.3
Irvington	Maximum	65	59	64	65	64	53	60	71	41	41	54	51	31	45	41	35	39	33	36	45	40	48	51	58	60	66	61	51	38	49	53	50.6
	Minimum	52	49	47	45	37	29	47	41	31	26	32	21	16	30	26	25	32	14	13	20	24	29	38	28	38	43	51	33	30	32	40	32.5
Junction City	Maximum	62	62	63	63	65	58	59	73	54	41	51	46	33	50	55	45	45	33	37	50	42	49	58	60	61	68	63	54	42	50	54	53.1
	Minimum	40	40	47	45	39	23	37	53	32	28	30	31	18	25	30	25	33	20	21	18	20	18	34	22	41	31	45	29	12	12	20	29.6
Lebanon	Maximum	65	61	65	57	60	57	60	70	40	44	55	56	31	45	42	34	40	30	36	47	41	50	56	61	63	67	58	55	43	48	53	50.8
	Minimum	54	41	45	40	38	29	49	40	33	27	32	22	16	30	25	23	30	16	14	20	22	28	33	26	31	39	52	32	30	31	40	31.9
Lexington	Maximum	61	57	56	61	56	50	57	68	37	36	50	45	31	48	38	35	38	24	34	44	35	43	49	55	56	65	59	48	37	48	54	47.6
	Minimum	41	37	46	47	34	29	46	37	29	24	29	15	13	31	22	23	24	12	11	23	27	29	35	38	40	46	48	30	27	28	30	30.6
Louisville	Maximum	64	56	59	62	51	52	61	68	38	42	52	46	30	40	36	37	38	23	32	42	35	45	49	57	59	65	57	39	35	50	54	47.5
	Minimum	41	39	47	46	33	26	46	35	30	28	32	17	15	30	23	26	19	11	12	23	25	32	35	30	40	46	39	31	29	31	30	29.8
Ivy (Cherokee Park)	Maximum	60	54	57	60	47	49	57	69	38	39	52	44	29	38	36	36	39	32	31	42	33	42	46	55	54	64	54	36	34	47	47	45.1
	Minimum	54	37	43	45	36	26	41	57	29	25	30	22	14	27	25	23	29	11	11	20	22	29	36	25	26	37	47	33	29	27	42	31.2
St. John	Maximum	65	58	60	65	64	53	64	70	45	52	53	51	31	54	54	40	45	40	37	45	50	50	56	56	66	65	66	56	39	48	53	53.3
	Minimum	54	41	42	48	38	29	33	43	22	26	26	24	15	25	27	25	25	15	20	22	23	23	34	28	26	28	28	30	30	30	34	29.5
Scott	Maximum	65	55	60	56	59	41	55	67	40	40	51	40	25	38	36	32	37	33	35	41	38	43	45	49	55	65	57	48	35	42	52	46.5
	Minimum	50	32	38	40	33	25	35	40	26	24	28	18	11	24	23	21	27	8	6	19	20	27	34	22	36	40	44	32	26	29	39	28.3
Shelbyville	Maximum	66	59	62	65	65	49	64	71	55	41	57	56	40	44	46	40	46	37	38	50	39	51	55	60	63	66	63	...	...	...	47	52	*53.3
	Minimum	43	36	37	45	33	27	40	42	29	22	29	17	13	27	22	24	26	13	10	18	21	25	29	26	34	38	49	32	27	28	40	29.1
Taylorsville	Maximum	61	62	57	62	63	51	60	71	49	39	53	52	32	43	41	36	34	34	32	44	38	44	51	55	58	64	60	54	37	48	54	49.7
	Minimum	51	34	39	44	37	26	42	47	31	25	31	25	16	29	26	23	31	15	12	12	20	24	30	23	29	30	48	30	28	26	37	29.7
Williamstown	Maximum	61	57	58	56	59	44	56	68	55	41	50	49	26	37	38	35	34	34	45	37	42	46	53	65	58	52	53	45	38	25	23	47.5
	Minimum	48	29	38	40	33	22	35	42	25	22	25	18	10	23	19	18	26	8	5	16	19	24	34	24	35	40	45	28	25	23	37	27.0
Eastern Division.																																	
Ashland	Maximum	63	62	59	60	61	61	61	74	64	40	51	54	34	54	54	55	55	30	36	49	46	44	56	56	59	68	65	55	53	43	59	54.4
	Minimum	28	35	43	48	43	24	36	53	32	27	27	23	13	25	32	23	22	21	...	...	...	...	...	...	...	...	...	...	30	25	34	34	*30.4
Beattyville	Maximum	61	64	61	57	63	55	55	64	64	41	52	52	33	55	55	35	46	33	32	47	49	48	55	60	60	61	62	52	35	42	54	51.7
	Minimum	33	38	46	45	40	24	36	53	38	26	30	33	14	29	32	23	33	24	13	13	19	25	24	23	25	26	26	32	30	20	34	29.8
Berea	Maximum	58	65	59	62	57	55	56	69	47	38	48	49	31	54	48	36	48	38	35	49	43	47	65	66	59	68	61	53	38	49	55	51.5
	Minimum	51	40	49	46	35	21	45	50	34	29	30	23	14	29	26	21	30	20	12	26	29	35	28	42	36	50	32	29	24	34	32	32.0
Farmers	Maximum	64	63	61	57	60	48	50	72	57	40	54	55	31	57	57	39	43	38	35	52	53	43	56	59	58	70	66	56	40	47	60	53.4
	Minimum	39	31	45	38	37	21	34	50	32	25	26	30	12	26	29	19	32	20	10	14	19	24	26	22	30	36	41	30	29	23	38	28.4
Jackson	Maximum	64	63	62	65	67	56	58	73	64	43	54	54	30	56	...	...	...	...	...	...	...	...	...	...	...	...	...	70	...	...	38	45	57	*56.6
	Minimum	33	40	43	43	37	26	35	55	30	36	33	27	11	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31	22	34	*32.3
Maysville	Maximum	62	58	58	59	60	43	58	70	44	38	50	50	29	42	40	35	36	35	38	46	38	39	50	52	55	64	54	51	35	43	57	47.7
	Minimum	50	34	44	48	37	25	36	41	30	28	28	23	15	26	28	25	33	16	10	17	24	28	32	24	24	35	40	30	30	26	37	29.4
Middlesboro	Maximum	60	58	62	62	65	59	52	65	62	49	48	51	41	51	60	42	50	39	42	47	44	49	56	53	59	63	60	57	43	51	48	53.2
	Minimum	40	50	52	46	47	26	37	49	46	35	32	39	20	35	36	29	37	31	23	22	22	26	24	26	30	28	28	33	31	25	36	33.9
Mount Sterling	Maximum	62	60	58	61	58	48	55	71	45	36	50	48	35	50	50	34	40	30	36	40	41	42	52	55	56	66	60	52	36	45	56	49.2
	Minimum	35	35	44	42	31	26	36	46	30	24	28	17	15	26	23	20	30	17	10	20	24	26	31	26	35	35	47	30	28	24	42	29.1
Richmond	Maximum	60	61	61	61	63	64	63	71	57	58	56	49	30	52	52	43	42	32	36	50	42	46	56	60	60	69	61	53	38	49	55	54.0
	Minimum	40	39	43	47	40	28	43	55	35	29	29	28	16	29	30	23	32	19	13	21	28	28	37	32	29	46	52	32	29	26	36	33.2
Williamsburg	Maximum	64	63	65	67	68	65	57	77	62	45	51	52	40	60	64	38	53	37	43	51	51	54	64	66	67	68	62	58	44	51	53	56.8
	Minimum	40	49	52	46	46	27	43	54	42	32	29	39	16	30	34	26	35	26	20	19	21	27	27	27	38	31	47	32	31	26	46	34.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * indicate respectively 1 2 3 etc. days missing from record

U.NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

UNIVERSITY OF

CLIMATOLOGICAL DATA.

FEB 27 1923

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVII. LOUISVILLE, KY., ANNUAL, 1922. No. 13

GENERAL SUMMARY.

The mean temperature for the year was the second highest since State averages were established, being exceeded only by the record average temperature of 60.1° for 1921. The months of February, March, April, May, September, October, and November were unseasonably warm; while temperatures for the other months averaged near normal. The April freezes were less severe than usual, and most of the fruit escaped damage. No weather sufficiently cold to seriously check growth occurred until early in December. This condition was favorable for late wheat, because much of it failed to germinate until November. Precipitation for the year was somewhat less than normal. It was comparatively heavy in the spring months; but was so deficient during the period, August to November, inclusive, as to cause one of the worst fall droughts ever experienced in this State. The situation in regard to water for stock and domestic use became decidedly serious in October and November; especially in the central and eastern counties, where small streams and some city reservoirs dried up. There was considerable loss from forest fires in the timber lands of the mountain section; and lack of water interfered with work in the oil fields. After the first week in May, no general rains occurred during the growing season. Precipitation was entirely in the form of local showers, which were distributed over the State with remarkable irregularity. Some favored districts, including a few counties, at times received too much rain; while other sections less than 50 miles distant suffered severely and continuously from drought. Heavy and frequent rains in March, April, and the first week in May seriously delayed preparation of soil and the planting of early potatoes. Later in May and in early June dry weather delayed the transplanting of tobacco and caused a reduction in acreage. The heat and drought of June damaged oats and early potatoes, but was favorable for harvest. Rains in July reached larger areas, relieving drought conditions locally; but were still insufficient in much of the State, particularly the northeastern counties. Corn and tobacco "fired" badly in large districts, with material reduction in yields. The quality of tobacco was improved, however, by the ideal weather for rapid and perfect curing. On account of the failure of pastures, which dried up in August and continued poor during the remainder of the season; a larger acreage of rye than usual was sown early for grazing, while there was still sufficient moisture to give it a start. Late potatoes made a poor crop. Late cutting of alfalfa and cowpeas were reduced; but the loss in yield was offset to some extent by the excellent quality of hay. Corn matured prematurely, dried out unusually early, and was gathered without damage by wet weather. Fall plowing and seeding were difficult, because of the extreme dryness of the soil. On account of delayed germination, most wheat was small in size when growth was checked by freezing weather in December. Streams became very low and continued in this condition, with almost complete suspension of navigation, until good rains occurred early in December.

THE WEATHER BY MONTHS

JANUARY.—The temperature was variable, with a few periods of quite severe weather. Wheat was well rooted and suffered little from the frequent freezes and thaws. This was also due in part to the light precipitation, which averaged about half of the normal amount. There was no snow cover of consequence.

FEBRUARY.—Mild weather predominated; causing premature growth of fruit buds, wheat, and grass, which was checked by low temperature late in the month. Although precipitation averaged near normal, most of it occurred on a few days in the last decade, resulting in floods in headwater streams.

MARCH.—Cold weather early in the month was beneficial in delaying the budding of fruit. Unseasonably mild weather prevailed during the last three weeks, and early vegetation was advanced fully three weeks ahead of the season. The exceptionally heavy and frequent precipitation prevented any progress of consequence in plowing, sowing oats, or planting potatoes. Floods caused much damage to crops on lowlands, and to roads, bridges, and fences along streams.

APRIL.—Unseasonably warm weather during the first half caused rapid growth. Heavy frosts on the 23d injured tender vegetables, but caused no other damage of consequence. Frequent rains delayed plowing and planting, and injured fruit by washing away the pollen. The full acreage of oats and potatoes could not be planted.

MAY.—Weather conditions were generally favorable for plowing and seeding. Although planted somewhat late, corn germinated quickly because of the excess warmth, and made seasonal advancement. The local character of the rainfall during the last half of the month delayed somewhat the transplanting of tobacco. Clover and alfalfa were cured and put up in good condition.

JUNE.—High temperature and a marked deficiency in rainfall caused drought to become well defined in large districts. Wheat and rye ripened prematurely, without complete filling. Much

(Continued on next page.)

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature: Mean.	Temperature: *Departure.	Temperature: Highest.	Temperature: Lowest.	Precipitation: Average.	Precipitation: *Departure.
1889	55.6	−0.7	101	3	35.97	− 9.16
1890	55.1	−0.8	101	4	58.82	+ 13.69
1891	56.3	0.0	105	6	49.69	− 4.76
1892	55.3	1.0	101	− 6	44.25	− 0.88
1893	55.5	−0.8	101	− 22	44.71	− 0.42
1894	55.1	+0.8	105	− 12	34.81	−10.32
1895	55.0	−1.3	104	− 18	38.47	− 6.66
1896	57.6	+1.3	106	− 12	44.68	− 0.45
1897	57.2	+0.9	107	− 16	46.72	+ 1.59
1898	57.2	+0.9	103	− 12	52.38	+ 7.25
1899	56.4	+0.1	105	− 33	46.38	+ 1.25
1900	55.7	−1.4	104	9	44.40	− 0.73
1901	55.5	−1.0	102	22	35.65	− 9.48
1902	56.5	+0.2	107	3	44.55	− 0.58
1903	55.8	−0.5	104	− 16	41.16	− 3.97
1904	55.3	−1.0	100	9	35.10	−10.03
1905	55.8	−0.5	106	− 16	47.68	+ 2.55
1906	57.0	+0.7	100	− 22	48.54	+ 3.71
1907	56.1	−0.2	102	− 11	47.76	+ 2.63
1908	57.7	+1.4	104	2	41.94	− 3.19
1909	56.5	+0.2	104	− 14	51.36	+ 6.23
1910	55.4	−1.0	109	+20	50.67	+ 5.54
1911	58.0	+1.7	106	−10	46.77	+ 1.64
1912	54.6	−1.7	100	20	47.93	+ 2.80
1913	57.9	+1.6	109	− 2	47.46	+ 2.33
1914	56.3	0.0	109	16	41.80	− 3.33
1915	56.2	−0.1	102	0	51.92	+ 6.79
1916	56.2	−0.1	102	14	43.49	− 1.64
1917	53.5	−2.8	100	21	46.61	+ 1.48
1918	56.5	+0.2	111	−20	40.64	− 4.49
1919	55.9	−0.6	104	− 1	52.13	+ 7.00
1920	55.5	−0.8	100	− 6	46.50	+ 1.37
1921	60.1	+3.8	106	11	49.42	+ 4.29
1922	58.5	+2.2	103	1	44.13	− 0.70

*Compared with 30 years' normal

Climatological Data for the Year 1922.

Stations	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit). Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Precipitation (inches). Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	Number of days. With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	Prevailing direction of wind.
WESTERN DIVISION.																				
Beaver Dam	Ohio	441	19	59.4	101	Sept. 2	11	Dec. 19	19	44.51	9.39	May	0.63	Aug.	1.2	96	237	36	92	s.
Blandville	Ballard	445	41	59.0	96	June 14	13	Dec. 19	44	45.69	12.68	Mar.	1.68	Aug.	3.3	93	130	116	119	sw.
Calhoun	McLean	437	19	59.7	98	June 16†	14	Jan. 25	19	47.75	8.81	Mar.	1.33	Jan.	0.2	104	116	167	82	se.
Earlington	Hopkins	420	32	59.0	101	Aug. 18	11	Dec. 19	32	41.96	8.60	Mar.	0.62	Aug.	0.3	97	223	51	91	s.
Greenville	Muhlenburg	519	6	58.1	102	Sept. 8	10	Dec. 19	6	48.54	7.16	Mar.	0.84	Aug.	.....	100	137a	149a	60a	s.
Henderson	Henderson	327	.....	.....	.....	.....	.....	.....	14	47.02	8.99	Mar.	0.71	Jan.	1.0	98	.....	.....	.....	.....
Hopkinsville	Christian	524	26	59.6	103	Sept. 6†	14	Jan. 25†	26	45.45	7.58	Mar.	1.66	Aug.	3.5	108	148a	74a	142a	s.
Marion	Crittenden	574	24	59.7	99	Aug. 18	12	Dec. 19	24	40.43	8.85	Mar.	0.87	Jan.	3.5	67	140	110	115	sw.
Mayfield	Graves	364	11	.....	.....	.....	.....	.....	11	45.31	8.61	Mar.	0.99	Aug.	2.8	87	215	96	54	sw.
Owensboro	Daviess	479	26	58.0	96	June 16*	13	Jan. 25†	26	33.28	5.83	Mar.	0.79	Jan.	1.5	106	195	63	107	se.
Paducah	McCracken	341	.....	.....	.....	.....	.....	.....	34	44.59	10.62	Mar.	0.80	Aug.	2.0	86	.....	.....	.....	.....
Princeton	Caldwell	529	12	58.1	98	Sept. 7	13	Jan. 25*	15	43.67	7.50	Mar.	0.99	Aug.	2.5	106	146	115	104	s.
Russellville	Logan	580	9	58.8	100	Sept. 7	13	Dec. 19	.....	.....	.....	.....	.....	.....	.....	.....	168a	18a	164a	s.
CENTRAL DIVISION.																				
Anchorage	Jefferson	700	22	57.2	100	Aug. 17†	4	Jan. 14	22	40.19	7.45	Mar.	0.76	Aug.	4.6	96	215	68	82	sw.
Bardstown	Nelson	637	26	58.4	97	Aug. 16†	12	Jan. 24†	26	37.59	6.99	Mar.	1.03	Nov.	1.5	101	190	47	128	s.
Bowling Green	Warren	500	32	60.7	100	June 16†	12	Dec. 13	33	61.13	11.53	Mar.	1.52	Oct.	2.7	96	171	88	106	s.
Brownsville	Edmonson	410	.....	.....	.....	.....	.....	.....	5	51.12	10.39	Mar.	1.93	Sept.	5.5	121	.....	.....	.....	.....
Burnside	Pulaski	773	.....	.....	.....	.....	.....	.....	30	59.09	9.86	Mar.	1.51	Oct.	T.	115	.....	.....	.....	.....
Carrollton	Carroll	422	.....	.....	.....	.....	.....	.....	23	39.37	7.24	Mar.	1.51	Oct.	.....	117	.....	.....	.....	.....
Cloverport	Breckenridge	375	.....	.....	.....	.....	.....	.....	9	40.89	7.47	Mar.	0.61	Aug.	2.0	109	.....	.....	.....	.....
Eubank	Pulaski	1,177	28	57.7	94	Sept. 7†	10	Feb. 17	28	49.82	9.29	Mar.	0.89	Sept.	3.8	98	97	115	153	s.
Frankfort	Franklin	560	29	58.6	97	June 17	12	Jan. 24†	33	37.14	7.01	Mar.	0.80	Nov.	1.7	100	208	29	128	s.
Franklin	Simpson	691	27	60.7	99	June 17	15	Feb. 16†	27	49.45	8.85	Mar.	1.87	Oct.	4.0	112	121	169	75	s.
Glasgow	Barren	780	1	60.0	99	Aug. 17	13	Jan. 24	1	50.94	8.97	Mar.	1.16	Nov.	2.5	97	240d	35d	86d	s.
Greensburg	Green	581	30	56.9	95	Aug. 18	9	Feb. 16†	34	53.00	10.27	Mar.	1.80	Nov.	2.5	148	112	66	187	s.
High Bridge	Jessamine	550	.....	.....	.....	.....	.....	.....	20	41.88	9.58	Mar.	1.03	Oct.	3.0	113	.....	.....	.....	.....
Irvington	Breckinridge	636	25	58.6	97	Sept. 8	12	Jan. 24†	25	38.54	6.57	Mar.	0.89	Aug.	1.2	102	179	58	128	sw.
Junction City	Boyle	985	29	57.5	96	Aug. 17	4	Feb. 17	29	53.86	9.67	Mar.	1.78	Nov.	9.6	138	126	165	74	s.
Leitchfield	Grayson	635	27	58.3	96	Aug. 18†	13	Jan. 24†	27	50.23	8.03	Mar.	0.85	Aug.	5.5	85	174	109	82	sw.
Lexington	Fayette	989	35	57.3	94	Sept. 8	10	Jan. 25	35	40.86	7.75	Mar.	0.88	Nov.	8.4	124	142	83	140	sw.
Louisville	Jefferson	525	50	58.5	96	Aug. 17	11	Dec. 18	50	42.78	7.79	July	1.39	Sept.	2.5	106	154	109	102	s.
Do (Cherokee Park)	Jefferson	534	13	56.9	92	Aug. 17†	10	Jan. 24†	13	45.79	9.06	July	1.53	Sept.	3.0	110	177	97	91	sw.
St. John	Hardin	777	26	58.4	98	Aug. 17†	11	Jan. 24	26	43.04	7.65	Mar.	1.57	Oct.	1.6	102	241	41	83	.....
Scott	Kenton	900	25	56.1	98	July 28	6	Dec. 19	25	36.66	7.30	Mar.	1.14	June	6.5	111	113	142	110	s.
Taylorsville	Spencer	489	20	57.2	95	June 6;	9	Jan. 14	20	39.77	6.77	Mar.	1.22	Nov.	1.4	112	185	63	117	s.
Williamstown	Grant	903	19	56.4	96	June 6;	5	Dec. 19	20	38.06	7.23	Mar.	1.10	Nov.	5.8	108	164	92	109	w.
Woodbury	Butler	533	.....	.....	.....	.....	.....	.....	5	48.57	7.98	Mar.	1.91	Oct.	1.8	112	.....	.....	.....	.....
EASTERN DIVISION.																				
Ashland	Boyd	534	1	58.4	96	July 27	10	Jan. 25	6	41.08	7.81	Mar.	1.10	Nov.	2.0	114	185	46	134	sw.
Beattyville	Lee	650	18	58.5	98	Aug. 16	7	Feb. 17	20	49.12	7.66	Mar.	1.91	Nov.	2.7	125	122	97	146	w.
Catlettsburg	Harrison	684	.....	.....	.....	.....	.....	.....	5	35.47	7.15	Mar.	0.75	Nov.	6.0	81	.....	.....	.....	.....
Falmouth	Pendleton	600	.....	.....	.....	.....	.....	.....	34	33.74	6.52	Mar.	0.85	Nov.	.....	107	152	90	123	s.
Farmers	Rowan	658	13	.....	.....	.....	.....	.....	15	41.32	7.18	Mar.	0.60	Sept.	1.2	82	133	130	102	ne.
Grahn	Lawrence	584	.....	.....	.....	.....	.....	.....	16	43.25	6.66	Dec.	1.31	Nov.	.....	132	.....	.....	.....	.....
Louisa	Lawrence	524	25	57.7	100	July 27	10	Jan. 24†	25	36.34	8.05	Mar.	1.08	Sept.	2.5	97	167	75	123	w.
Maysville	Mason	521	25	58.6	93	June 17†	1	Jan. 14	25	65.33	9.59	Mar.	1.47	Nov.	T.	130	209	124	32	.....
Middlesboro	Bell	1,128	25	58.6	93	June 17†	11	Jan. 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mount Sterling	Montgomery	930	33	57.2	97	July 25†	4	Feb. 17	34	44.37	8.75	Mar.	1.50	June*	4.7	126	194	56	115	w.
Owenton	Owen	540	.....	.....	.....	.....	.....	.....	3	34.87	6.69	Mar.	0.76	Nov.	5.5	98	.....	.....	.....	.....
Owingsville	Bath	443	.....	.....	.....	.....	.....	.....	1	39.05	7.82	Mar.	1.43	Nov.	.....	96	.....	.....	.....	.....
Pikeville	Pike	631	.....	.....	.....	.....	.....	.....	17	40.60	5.59	July	1.20	Nov.	T.	105	.....	.....	.....	.....
Richmond	Madison	925	28	59.7	97	Aug. 16	11	Feb. 16†	30	44.64	7.92	Mar.	1.37	Nov.	7.7	112	212e	34e	117e	.....
Somerset	Lewis	525	.....	.....	.....	.....	.....	.....	6	38.86	7.35	Mar.	0.35	June	1.0	83	.....	.....	.....	.....
Williamsburg	Whitley	929	25	59.8	96	June 17†	11	Jan. 25	27	57.60	8.90	Mar.	0.88	Sept.	0.3	144	149	88	128	nw.

All temperature data are taken from self-registering thermometers.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.
† Also on other dates. *Also in November.

late tobacco could not be set. Harvest was earlier than usual, followed quickly by thrashing. Early corn and tobacco grew well but late crops started badly. Oats and early potatoes practically failed in the driest districts.

JULY.—Moderate temperature and heavy local showers were decidedly beneficial; but drouth conditions persisted in large districts. Corn and tobacco made good progress in most of the southern and western counties, but "fired" and grew unevenly in other districts. Rainfall diminished toward the end of the month, and areas affected by drouth were considerably extended.

AUGUST.—Drought conditions spread rapidly over the central and western counties. In some districts corn "fired" up to the ear, and tobacco had to be cut in order to save it. Late corn, tobacco, and potatoes grew slowly because of insufficient moisture. Early corn and tobacco did well in some western and south-central counties, where local rains occured; but in general all crops suffered and deteriorated.

SEPTEMBER.—High temperature and deficient precipitation characterized weather conditions. Premature cutting of corn and tobacco continued. Showers revived late crops for a few days, but were not sufficient to keep them growing. Tobacco in barns and corn in shock dried rapidly, without damage. Some rye, sown early for a cover crop, died soon after sprouting.

OCTOBER.—The first week was warm and favorable for saving the late crops. Heavy frosts during the second week ended the growing season, but caused no damage. Wheat was sown under unfavorable conditions for germination and growth, because the soil was so dry that a satisfactory seed bed could not be pre-

Monthly and Annual Precipitation for the Year 1922, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Beaver Dam	2.02	-2.44	2.78	-0.64	6.50	+2.59	3.05	-1.07	9.39	+5.16	3.59	+0.42	4.70	+0.72	0.63	-2.68	1.40	-1.28	4.16	+1.39	1.72	-1.46	4.49	-0.87	44.51	-1.04
Brandville	1.92	-2.71	2.86	-1.67	12.68	+8.05	4.51	+0.02	2.72	-1.52	2.18	-2.18	5.74	+1.85	1.68	-1.46	1.85	-1.30	2.70	-0.30	2.48	-1.09	4.77	-0.83	45.49	-2.41
Calhoun	1.33	-3.76	2.84	-0.56	8.81	+4.84	3.71	-0.74	5.92	+2.31	2.56	-1.03	4.32	+0.10	2.01	-1.61	2.40	-0.32	1.41	-1.62	3.68	+0.27	2.61	-1.27	37.51	-1.96
Carlinville	4.24	-0.24	3.28	0.32	8.60	+3.72	3.50	-0.87	2.48	-2.23	3.03	-0.40	4.39	+0.29	0.62	-2.53	1.05	-0.74	1.32	-1.65	3.03	-0.77	....	....	41.56	-3.97
Greenville	1.96	....	3.42	....	7.16	....	3.47	....	4.96	....	6.86	....	6.95	....	....	....	0.84	....	1.10	....	3.89	....	4.25	....	44.64	....
Henderson	0.71	-2.65	1.97	-0.55	8.99	+4.21	5.08	+1.65	2.70	-1.24	3.55	-0.56	4.79	+1.45	4.65	+1.89	3.45	+0.61	2.72	-0.48	2.24	-1.63	6.17	+2.10	47.92	-1.86
Hopkinsville	2.24	-2.89	3.11	-0.78	7.58	+2.74	3.86	-0.49	2.24	-1.99	3.79	-0.49	5.10	+1.07	1.66	-1.39	3.15	+0.12	2.09	-0.78	3.75	-0.36	6.81	-2.07	45.45	-3.47
Mayfield	1.19	-2.78	3.25	+0.58	8.61	+4.55	5.94	+1.39	1.73	-2.50	4.11	+1.51	4.85	+0.83	6.99	-2.34	1.43	-1.20	3.64	-0.51	3.20	-1.00	6.75	-2.41	45.31	-0.80
Owensboro	0.79	-3.72	2.15	-1.10	5.83	+1.05	4.15	+0.05	2.24	-1.60	1.72	-1.85	3.28	-0.57	1.23	-2.36	1.46	-1.36	3.05	-0.05	2.80	-0.65	4.58	-0.73	33.28	-11.44
Paducah (Lone Oak)	2.99	....	3.02	....	9.52	....	5.10	....	2.08	....	2.04	....	2.70	....	....	....	1.70	....	2.57	....	....	....	4.15	....	....	....
Paducah	2.20	-2.43	3.06	-0.35	10.62	+6.23	6.98	+2.65	2.80	-1.01	3.63	-0.89	3.08	0.96	0.80	-2.48	1.18	-1.76	3.42	+0.74	2.22	-1.58	1.00	-6.84	44.29	-1.14
Pemberton	1.97	-2.18	3.68	-0.84	7.50	+2.29	4.04	+0.04	2.55	-2.28	3.21	-0.51	5.62	+2.40	0.99	-2.53	3.06	+0.22	2.74	-0.25	2.52	-1.66	5.58	-1.41	48.65	-1.66
Russellville	2.06	-3.63	4.10	-0.46	9.17	+3.88	4.15	-0.88	2.89	-1.63	3.30	+0.16	3.67	-1.34	0.90	-1.63	1.68	-1.10	1.17	-1.15	2.59	-1.03	....	....	....	....
CENTRAL DIVISION.																										
Anchorage	1.43	-2.59	3.34	+0.56	7.45	+3.21	5.14	+1.14	2.91	-0.63	2.29	-1.34	6.50	+2.06	0.56	-3.13	1.43	-1.23	1.75	-1.20	1.99	-1.45	5.23	+1.25	49.36	-2.41
Bardstown	1.77	-3.06	3.33	-0.58	6.99	+2.30	3.13	-0.74	3.22	-0.31	2.88	-1.46	3.46	-1.08	1.53	-1.78	2.88	-0.02	1.68	-0.72	1.03	-2.35	5.45	-1.49	37.59	-8.71
Bowling Green	2.22	-2.42	4.25	-0.22	11.53	+6.61	4.75	-0.49	6.56	+2.31	5.22	+1.35	6.45	+1.99	5.82	+2.80	3.56	+0.46	1.52	-0.85	4.55	+0.84	4.65	-0.37	63.13	+13.11
Brownsville	3.21	....	5.81	....	10.30	....	3.98	....	4.25	....	3.81	....	4.44	....	2.54	....	1.93	....	2.00	....	3.22	....	3.74	....	51.12	....
Burnside	3.68	-0.87	5.68	+1.59	9.86	+4.60	4.63	-0.43	7.41	+3.42	4.64	+0.26	4.60	-0.29	4.30	+0.14	2.49	-1.05	1.51	-1.52	1.52	-1.49	8.77	+4.48	70.69	+9.50
Camp Knox	....	....	....	....	....	....	3.08	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Carrollton	1.99	-1.65	1.89	-0.99	7.24	+3.91	4.60	+1.32	3.43	0.61	2.20	-1.39	4.50	+1.10	1.96	0.86	4.48	+1.65	1.51	1.14	1.76	-1.17	3.81	+0.81	39.57	+1.18
Clovaport	1.30	....	2.92	....	7.47	....	4.43	....	2.55	....	4.89	....	5.77	....	0.61	....	1.58	....	2.87	....	2.71	....	3.79	....	46.86	....
Eminence	3.70	-0.27	4.85	+0.76	9.29	+4.04	4.35	-0.30	6.46	+2.51	4.30	+0.22	4.64	+0.10	2.65	-1.69	0.89	-1.63	1.45	-0.69	1.78	-1.25	5.46	+2.04	49.32	+4.44
Frankfort	1.74	-2.39	3.05	-0.51	7.01	+2.31	4.30	-0.57	1.50	-2.31	2.49	-1.71	4.20	+0.09	1.73	-1.95	2.14	-0.72	2.24	0.23	0.80	-2.61	5.94	+2.35	37.14	-7.11
Franklin	3.05	-1.41	4.61	-0.28	8.85	+4.10	3.87	-0.74	4.33	+0.28	3.54	-0.43	5.49	+1.38	2.41	-0.86	2.16	-1.20	1.87	-0.23	2.54	0.98	6.70	+2.18	49.45	+1.80
Glasgow	1.37	....	4.78	....	8.97	....	4.23	....	3.33	....	3.98	....	8.42	....	4.20	....	1.35	....	2.16	....	1.16	....	6.69	....	50.94	....
Greensburg	4.06	-0.45	5.86	+1.84	10.27	+5.24	3.75	-0.10	3.72	-0.57	2.69	-1.76	5.43	+0.84	5.58	+1.48	1.84	-1.22	1.82	-0.24	1.80	1.61	6.38	+2.22	53.10	+4.57
High Bridge	2.62	-1.77	3.78	+0.53	9.58	+5.14	3.52	0.24	2.67	1.18	3.38	-0.54	4.84	+0.52	2.88	1.17	1.26	-1.71	1.03	-1.55	1.52	1.85	5.60	+0.52	41.88	-2.76
Lexington	1.82	-2.60	3.45	+0.12	6.57	+1.97	2.68	-1.34	5.01	+1.60	3.82	-0.17	4.04	+0.19	0.89	-2.71	0.98	-2.01	1.89	-0.86	2.61	-0.60	4.78	+0.88	38.54	-5.23
Junction City	5.48	+1.06	4.85	+1.22	9.67	+4.56	5.01	+1.30	5.35	+1.60	3.21	-0.50	5.69	+0.79	2.95	-0.60	1.90	-1.16	1.98	-0.01	1.78	-1.36	6.59	+2.06	53.86	+5.16
Leitchfield	2.82	-1.70	4.30	+0.52	8.03	+3.24	3.58	0.50	4.02	+0.02	2.46	1.53	6.55	+2.41	0.85	-2.82	5.67	+2.03	2.48	+0.05	3.14	0.79	6.33	+1.71	50.23	+2.64
Lexington	1.87	-1.96	3.12	0.11	7.75	+3.03	4.46	+1.12	3.10	-0.42	2.44	-1.55	2.13	-2.31	2.20	-1.37	5.99	+3.57	1.25	-0.97	0.88	-2.66	5.67	+2.35	49.86	+1.52
LOUISVILLE	1.59	-2.31	2.66	-1.09	6.46	+2.14	6.66	+1.92	2.17	-1.47	4.00	-0.23	7.79	+4.05	1.63	-1.88	1.39	-1.24	2.24	-0.39	1.87	-2.35	4.56	-1.32	42.76	-1.55
Do (Cherokee Park)	1.72	-3.76	3.10	-0.14	6.80	+2.96	6.08	+1.80	2.28	-1.60	3.52	-0.04	9.06	+3.44	1.78	-2.37	1.53	-1.64	2.49	-0.93	2.69	0.34	5.34	-1.17	45.70	0.47
St John	1.72	-2.85	3.62	-0.45	7.65	+2.66	3.59	-0.28	5.51	+1.58	3.56	-0.44	2.46	-1.09	2.92	-0.71	2.47	-0.65	1.57	-0.92	1.93	-1.55	6.03	+1.61	42.04	-2.14
Scott	2.36	-1.73	2.00	-0.75	7.30	+2.86	4.31	+1.13	2.87	-1.19	1.14	-2.54	3.52	+0.18	3.04	-0.50	2.53	0.02	1.34	1.60	2.07	-0.73	4.18	-0.97	36.66	3.52
Shelbyville	....	....	1.99	-1.81	7.77	+3.06	4.62	+0.90	4.64	+0.52	1.43	-3.03	4.52	+0.42	3.00	0.96	2.09	-0.76	2.34	-0.08	0.73	-2.68	7.20	+3.41	....	....
Taylorsville	1.66	-2.80	3.70	+0.24	6.77	+2.13	3.66	-0.71	3.62	+0.04	1.87	-2.39	4.22	-0.05	2.33	-1.54	1.62	-1.61	2.81	-0.16	1.22	-2.11	6.29	+1.85	39.77	-7.17
Williamstown	2.02	-1.61	2.83	-0.10	7.23	+2.85	4.48	+1.15	4.05	+0.49	1.45	-2.39	4.85	+1.17	2.42	-1.77	1.57	-1.39	1.65	-1.26	1.10	-1.62	4.41	-0.96	38.06	3.29
Woodbury	2.69	....	3.81	....	7.98	....	3.16	....	6.15	....	4.00	....	5.11	....	2.28	....	3.81	....	1.91	....	2.96	....	4.71	....	48.57	....
EASTERN DIVISION.																										
Ashland	2.01	....	1.82	....	7.84	....	3.38	....	4.05	....	2.60	....	3.82	....	1.83	....	3.34	....	2.57	....	1.16	....	6.72	....	43.68	....
Beattyville	3.23	-1.51	5.80	+1.93	7.66	+2.58	3.79	-0.36	4.86	+0.69	3.17	-1.37	4.80	+0.04	2.90	1.58	2.41	-0.66	2.76	0.59	1.61	-1.03	5.58	+1.50	49.12	0.36
Berea	3.82	-0.93	5.10	+1.99	8.06	+3.30	3.71	+0.02	3.38	0.68	6.17	+1.62	8.88	+4.39	2.50	-2.08	....	....	0.76	-2.32	5.00	-0.10	6.32	-1.55	....	....
Cynthiana	1.25	....	1.85	....	7.15	....	3.85	....	1.85	....	1.55	....	2.80	....	2.95	....	3.95	....	2.45	....	0.75	....	5.65	....	35.47	....
Falmouth	1.90	-1.80	2.45	-0.91	6.52	+2.43	3.65	+0.18	2.68	-0.99	2.00	-2.17	3.27	0.48	3.06	-0.47	1.32	-1.14	1.74	-0.70	0.85	-2.32	4.30	+0.95	33.74	-7.42
Farmers	1.23	-3.19	2.57	-0.43	7.18	+2.67	4.90	+0.90	3.48	0.58	2.27	-2.27	2.59	-2.71	5.64	-1.07	0.60	-2.34	1.97	-1.33	1.67	-1.16	6.92	+3.17	41.02	-6.20
Jackson	....	....	....	....	....	....	....	....	....	....	2.61	-1.39	7.57	+3.54	1.72	-1.64	2.71	+0.13	4.48	+0.59	0.95	-1.73	6.38	+2.78	....	....
Louisa	2.84	-0.87	3.33	0.00	6.51	+2.42	3.59	+0.28	3.52	0.70	3.45	-1.59	4.33	+0.97	3.55	0.28	2.06	-0.51	2.10	0.78	1.31	-1.44	6.66	+3.16	43.25	0.66
Maysville	2.33	-1.83	3.50	+0.17	8.05	+3.41	3.34	-0.69	3.58	-0.47	1.48	-2.85	1.55	-2.99	3.40	-0.58	1.08	-1.55	2.57	0.05	1.10	-1.74	4.36	+0.60	36.34	-7.87
Middlesboro	3.37	-1.31	6.48	+1.56	9.59	+4.11	7.13	+2.34	5.81	+1.90	6.58	+2.04	8.39	+2.86	3.93	+0.10	1.68	-1.70	1.66	-0.64	1.47	-2.14	9.50	+5.15	65.33	+14.97
Mount Sterling	2.00	-2.72	3.30	-0.89	8.75	+3.34	5.52	+1.60	2.66	-1.65	1.50	-3.63	2.94	-2.12	3.42	0.55	3.02	0.18	3.52	+0.55	1.50	-1.74	6.44	+2.26	44.37	5.71
Oliver	1.86	....	2.21	....	6.69	....	3.24	....	4.81	....	2.75	....	2.55	....	2.73	....	1.38	....	1.78	....	0.76	....	4.11	....	34.87	....
Oneonta	2.43	....	2.40	....	7.82	....	4.85	....	3.00	....	1.56	....	3.17	....	3.28	....	2.45	....	1.61	....	1.43	....	5.05	....	39.05	....
Pikeville	2.12	-1.92	5.30	+2.02	4.70	+0.15	2.86	-0.75	4.50	+1.35	2.60	-1.89	5.59	+1.60	2.99	1.15	1.62	-1.35	1.86	-1.16	1.20	-1.47	5.26	-1.39	40.66	-3.18
Richmond	2.71	-1.80	3.55	+0.11	7.52	+3.53	2.77	-0.84	5.51	+1.93	3.44	-0.50	4.72	+0.85	1.69	-1.91	3.26	-0.42	1.55	-0.86	1.37	-1.50	5.75	+1.80	44.64	+1.28
Vanceburg	1.21	....	4.47	....	7.35	....	3.61	....	6.25	....	0.35	....	2.35	....	2.16	....	1.55	-1.18	2.41	....	1.31	....	5.74	....	38.86	....
Williamsburg	3.51	-0.52	6.59	+3.10	8.90	-3.98	7.03	+2.63	4.29	+0.21	4.24	0.31	5.68	-0.19	4.41	-0.11	0.88	-2.48	2.23	-0.22	1.71	-1.22	7.53	-3.84	57.60	-8.61

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

T Precipitation is less than 0.01 inch rain or melted snow.

pared. Corn dried quickly and gathering began earlier than usual. Most of the timothy that had been sown in September perished.

NOVEMBER.—Seeding and germination were further delayed by dry weather. Rains late in the month sprouted the late sown grain, but the cooler weather that followed prevented much growth. Most of the corn crop was gathered. The water shortage became so acute that some cities in the central and eastern counties were compelled to lay pipe lines several miles to large streams in order to obtain water.

DECEMBER.—Rains early in the month relieved the water shortage and temporarily filled the streams. They also made possible the handling of tobacco. Low temperatures during the second week stopped the growth of grains, but caused no injury of consequence. Mild weather predominated, and stock fared well outdoors.

Monthly and Annual Mean Temperatures for the Year 1922, with Departures from the Normal.

Stations	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
WESTERN DIVISION.																										
Beaver Dam	34.8	+ 0.2	41.6	+ 6.4	49.8	+ 3.1	61.1	+ 5.2	69.2	+ 2.9	76.0	+ 1.8	77.5	− 0.3	76.0	− 0.4	73.3	+ 2.4	61.0	+ 2.3	49.6	+ 2.7	43.2	+ 6.1	59.4	+ 2.7
Bowling Green	34.4	+ 0.4	41.4	+ 4.6	49.3	+ 2.0	60.0	+ 2.6	68.6	+ 2.0	76.3	+ 1.3	77.0	− 1.2	76.2	− 0.6	72.5	+ 1.6	61.1	+ 2.5	49.7	+ 2.4	41.0	+ 3.9	59.0	+ 1.8
Brookside	34.8	− 1.5	41.8	+ 4.5	51.0	+ 1.7	61.7	+ 3.7	69.1	+ 1.7	77.4	+ 2.0	78.0	0.0	76.4	− 1.0	73.0	+ 1.0	60.4	+ 0.4	50.2	+ 2.0	42.8	+ 4.6	59.7	+ 1.6
Cadiz	34.8	− 1.5	41.8	+ 4.5	51.0	+ 1.7	61.7	+ 3.7	69.1	+ 1.7	77.4	+ 2.0	78.0	0.0	76.4	− 1.0	73.0	+ 1.0	60.4	+ 0.4	50.2	+ 2.0	42.8	+ 4.6	59.7	+ 1.6
Calvert	34.8	− 1.5	41.8	+ 4.5	51.0	+ 1.7	61.7	+ 3.7	69.1	+ 1.7	77.4	+ 2.0	78.0	0.0	76.4	− 1.0	73.0	+ 1.0	60.4	+ 0.4	50.2	+ 2.0	42.8	+ 4.6	59.7	+ 1.6
Cloverport	34.8	− 1.5	41.8	+ 4.5	51.0	+ 1.7	61.7	+ 3.7	69.1	+ 1.7	77.4	+ 2.0	78.0	0.0	76.4	− 1.0	73.0	+ 1.0	60.4	+ 0.4	50.2	+ 2.0	42.8	+ 4.6	59.7	+ 1.6
Columbus	34.8	− 1.5	41.8	+ 4.5	51.0	+ 1.7	61.7	+ 3.7	69.1	+ 1.7	77.4	+ 2.0	78.0	0.0	76.4	− 1.0	73.0	+ 1.0	60.4	+ 0.4	50.2	+ 2.0	42.8	+ 4.6	59.7	+ 1.6
Cumberland	33.5	− 1.6	41.1	+ 4.8	49.2	− 1.9	60.9	+ 3.6	68.8	+ 1.6	77.0	+ 1.3	77.5	− 0.9	76.7	− 0.4	73.2	....	60.8	....	49.3	....	42.2	+ 4.8	58.1	....
Eddyville	33.7	....	*40.4	....	48.7	....	*59.0	....	*64.7	....	*74.2	....	76.0	....	75.4	....	*73.2	....	*60.8	....	*51.0	+ 2.7	42.6	+ 4.8	59.6	+ 1.4
Greenville	33.7	....	*40.4	....	48.7	....	*59.0	....	67.1	− 0.5	75.5	+ 0.3	77.2	− 1.6	78.5	+ 0.7	77.0	+ 5.1	*64.4	+ 4.0	50.9	+ 2.6	41.7	+ 4.2	59.7	+ 2.0
Hopkinsville	*34.1	− 3.6	41.0	+ 4.0	47.9	− 1.3	59.0	+ 2.2	67.1	− 0.5	77.0	+ 2.1	77.8	0.0	77.6	− 0.5	73.6	+ 1.4	62.6	+ 3.2	50.9	+ 2.6	41.7	+ 4.2	59.7	+ 2.0
Madisonville	34.5	− 1.5	41.0	+ 5.3	49.6	− 1.0	60.8	+ 3.5	69.3	+ 2.2	77.6	+ 1.2	78.6	− 1.3	....	....	75.2	+ 4.1	61.7	+ 3.2	50.1	+ 1.1	43.8	+ 5.3	....	....
Marion	34.9	− 0.7	42.5	+ 5.3	50.4	− 1.0	60.4	+ 3.2	67.6	+ 1.2	75.6	+ 1.2	76.6	− 1.3	....	....	72.5	+ 1.8	59.6	+ 0.6	47.6	+ 0.1	40.2	+ 3.6	58.0	+ 1.3
Maxwood	34.9	− 0.7	42.5	+ 5.3	50.4	− 1.0	60.4	+ 3.2	67.6	+ 1.2	76.2	+ 2.1	74.8	− 3.2	74.7	− 1.7	72.5	+ 1.8	....	....	....	....	43.8	....	....	....
Owensboro	34.4	− 1.1	39.4	+ 4.7	49.4	+ 2.5	59.5	+ 4.3	68.0	+ 1.7	78.2	....	79.5	....	78.2	....	75.1	....	....	....	....	....	....	....	....	....
Paducah (Lone Oak)	36.5	....	43.8	....	52.0	....	62.0	....	70.2	....	78.7	....	80.0	− 1.3	80.0	− 0.6	76.2	+ 1.8	63.6	+ 2.3	52.1	+ 3.0	....	....	....	....
Paducah	36.6	− 0.8	41.9	+ 5.9	49.8	0.0	61.8	+ 2.6	69.8	+ 0.1	79.7	+ 1.8	80.0	− 1.3	79.4	− 3.2	72.2	+ 0.8	59.6	+ 0.8	47.8	+ 1.1	40.6	+ 2.9	58.1	+ 0.4
Princeton	34.1	− 1.0	41.5	+ 6.3	49.0	+ 0.7	59.9	+ 1.7	67.2	− 0.4	75.1	− 0.9	74.9	− 3.7	73.4	− 3.2	73.9	+ 2.4	*60.2	+ 0.4	48.1	+ 0.3	*43.3	+ 4.6	58.8	+ 1.0
Russellville	35.6	0.3	*40.7	+ 4.1	*48.7	− 0.5	*60.0	+ 2.2	68.5	+ 2.1	75.6	+ 0.6	76.4	− 1.3	75.7	− 2.4	....	....	....	....	....	....	....	....	....	....
CENTRAL DIVISION.																										
Auburn	32.2	− 0.8	38.8	+ 5.8	47.9	+ 2.8	57.9	+ 4.7	68.1	+ 4.0	75.0	+ 3.1	73.6	− 0.4	74.8	+ 0.1	73.0	+ 4.5	59.6	+ 2.2	46.3	+ 2.0	38.4	+ 4.8	57.2	+ 2.7
Bardstown	34.1	− 1.8	41.3	+ 6.8	50.2	+ 3.6	60.2	+ 4.9	66.6	− 0.4	74.1	− 0.5	76.4	− 2.1	75.7	− 1.5	72.6	+ 0.7	59.9	+ 0.4	48.1	+ 1.1	41.3	+ 5.6	58.4	+ 1.4
Bowling Green	37.2	+ 0.6	43.0	+ 5.4	51.7	+ 3.4	62.4	+ 4.3	70.3	+ 2.7	77.9	− 2.1	78.8	− 0.1	77.6	− 1.3	73.8	+ 2.1	61.6	+ 2.4	50.4	+ 3.1	43.8	+ 6.2	60.7	+ 2.6
Campbellsville	....	....	....	....	....	....	58.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Cane Valley	36.5	+ 1.6	43.1	+ 9.8	49.7	+ 3.4	58.6	+ 4.8	66.3	+ 2.1	72.9	+ 1.5	74.4	− 0.5	72.6	− 1.2	71.3	+ 2.6	57.8	+ 1.1	47.2	+ 2.7	42.4	+ 6.7	57.7	+ 2.9
Lincoln	34.8	− 1.4	41.6	+ 5.7	49.3	+ 3.1	59.7	+ 4.4	68.8	+ 3.6	75.9	+ 2.3	77.2	+ 0.3	75.6	+ 0.6	72.5	+ 4.0	58.9	+ 1.8	48.0	+ 1.6	40.9	+ 3.7	58.6	+ 2.5
Louisville	35.5	− 0.1	44.4	+ 5.4	51.6	+ 1.5	62.0	+ 2.9	69.4	+ 2.4	77.0	+ 2.1	77.2	− 0.3	76.8	− 0.4	74.4	+ 2.4	62.6	+ 3.3	51.0	+ 2.5	45.0	+ 4.8	60.7	+ 2.2
Louisville	35.5	− 0.1	44.4	+ 5.4	51.6	+ 1.5	62.0	+ 2.9	69.4	+ 2.4	77.0	+ 2.1	77.2	− 0.3	76.4	....	74.1	....	62.0	....	50.0	....	43.8	....	60.0	....
Pewee Valley	*37.6	....	42.2	....	51.0	....	*60.4	....	68.8	....	76.7	....	77.2	....	76.4	....	69.9	+ 0.3	56.9	− 0.2	47.4	+ 2.2	42.2	+ 5.5	56.9	+ 1.1
Shelbyville	34.8	+ 0.1	41.8	+ 6.9	49.2	+ 2.4	59.7	+ 0.5	65.0	+ 0.2	72.9	− 0.4	74.0	− 2.6	72.7	− 2.6	73.3	+ 2.9	60.8	+ 5.2	48.8	+ 2.1	41.6	+ 5.6	58.6	+ 2.4
Shepherdsburg	33.9	− 2.3	40.6	+ 6.3	50.1	+ 3.3	59.4	+ 3.9	68.6	+ 2.3	75.2	+ 1.5	75.7	− 1.7	75.7	− 0.3	73.3	+ 2.9	60.8	+ 5.2	48.8	+ 2.1	41.4	+ 6.1	57.8	+ 2.6
Springfield	33.9	− 2.3	40.6	+ 6.3	50.1	+ 3.3	59.4	+ 3.9	68.6	+ 2.3	74.1	+ 2.5	74.6	− 0.4	74.2	− 0.3	71.2	+ 1.6	58.8	+ 1.3	46.6	+ 0.0	41.4	+ 5.6	58.3	+ 2.4
Taylorsville	34.5	− 0.1	41.2	+ 5.1	48.6	+ 2.5	58.0	+ 3.5	66.9	+ 2.4	74.7	+ 1.8	75.8	− 0.8	75.4	0.0	72.6	+ 2.8	59.4	+ 1.3	48.1	+ 1.8	41.4	+ 5.6	58.3	+ 2.4
Jamestown	34.1	− 0.7	40.8	+ 6.8	49.2	+ 3.2	59.6	+ 4.2	68.0	+ 2.5	74.7	+ 1.8	75.8	− 0.8	74.7	+ 0.1	72.7	+ 4.8	61.0	+ 4.5	47.2	+ 2.5	39.1	+ 2.7	57.3	+ 2.3
Leitchfield	32.6	− 0.4	38.2	+ 2.6	46.8	+ 3.4	57.0	+ 3.3	68.4	+ 4.1	74.6	+ 1.4	75.8	− 0.8	74.7	+ 0.1	73.6	+ 3.1	61.5	+ 2.2	48.4	+ 1.7	39.2	+ 1.6	58.5	+ 1.8
Lexington	33.4	− 0.9	39.6	+ 3.0	48.8	+ 3.5	59.3	+ 3.1	69.3	+ 2.6	75.9	+ 1.2	77.0	− 1.6	76.4	− 0.6	70.0	+ 2.0	58.9	+ 1.7	46.8	+ 0.2	38.2	+ 3.3	56.9	+ 1.2
Lexington	33.4	− 0.9	39.6	+ 3.0	48.8	+ 3.5	58.4	+ 2.5	67.4	+ 1.7	73.6	+ 0.6	74.3	− 2.2	73.1	− 2.2	70.0	+ 2.0	58.9	+ 1.7	46.8	+ 0.2	38.2	+ 3.3	56.9	+ 1.2
Mt. Carmel	32.8	− 1.8	40.4	+ 5.2	48.8	+ 3.5	58.4	+ 2.5	67.4	+ 1.7	73.6	+ 0.6	75.6	− 0.1	75.2	+ 0.5	72.0	+ 2.9	61.8	+ 4.2	49.2	+ 3.8	41.4	+ 6.8	58.4	+ 3.3
Mt. Carmel (Mt. Carmel)	32.8	− 1.8	40.4	+ 5.2	48.8	+ 3.5	58.4	+ 2.5	67.4	+ 1.7	73.6	+ 0.6	75.6	− 0.1	75.2	+ 0.5	72.0	+ 2.9	61.8	+ 4.2	49.2	+ 3.8	41.4	+ 6.8	58.4	+ 3.3
Mt. Vernon	34.2	+ 0.1	41.4	+ 8.4	49.4	+ 4.3	58.4	+ 4.0	67.6	+ 2.9	74.6	+ 2.3	75.2	− 1.4	73.8	− 1.3	71.1	+ 1.6	58.4	+ 0.6	47.4	+ 2.4	37.4	+ 4.2	56.1	+ 1.7
Mt. Vernon	34.2	+ 0.1	41.4	+ 8.4	49.4	+ 4.3	58.4	+ 4.0	67.6	+ 2.9	74.6	+ 2.3	75.2	− 1.4	73.8	− 1.3	71.1	+ 1.6	58.4	+ 0.6	47.4	+ 2.4	37.4	+ 4.2	....	....
St. John	30.3	− 2.8	37.3	+ 6.6	46.4	+ 3.0	56.4	+ 3.3	66.5	+ 2.7	73.0	+ 1.4	75.2	− 1.4	71.8	+ 2.6	*61.4	+ 4.7	....	....	*41.2	+ 6.2	....	....	....	....
Salt	*30.0	− 0.3	41.5	+ 7.7	49.0	+ 4.3	58.5	+ 3.8	68.0	+ 3.0	75.0	+ 1.5	75.8	− 1.1	75.3	− 0.2	71.8	+ 2.6	57.9	+ 1.6	46.4	+ 1.6	39.7	+ 4.5	57.2	+ 2.0
Strathdale	34.0	− 0.3	41.5	+ 7.7	49.0	+ 4.3	58.5	+ 3.8	68.0	+ 3.0	75.0	+ 1.5	75.2	− 0.9	73.5	− 0.8	70.6	+ 2.6	57.9	+ 1.6	46.4	+ 1.6	39.7	+ 4.5	57.2	+ 2.0
Taylorsville	34.0	0.2	40.6	+ 5.2	49.2	+ 2.6	58.0	+ 3.5	67.0	+ 2.4	74.2	+ 1.7	75.2	− 0.9	73.5	− 0.8	70.6	+ 2.6	57.9	+ 1.6	46.4	+ 1.6	39.7	+ 4.5	57.2	+ 2.0
Williamstown	31.3	− 1.1	38.0	+ 7.0	47.1	+ 2.5	57.6	+ 4.8	67.1	+ 3.5	74.7	+ 3.5	75.6	− 0.1	*73.1	− 1.1	70.7	+ 2.1	58.4	+ 3.3	46.0	+ 0.9	37.2	+ 3.7	56.4	+ 2.4
EASTERN DIVISION.																										
Ashland	35.6	....	42.5	....	49.3	....	59.8	....	67.3	....	74.9	....	76.6	....	73.4	....	72.4	....	59.0	....	47.4	....	*42.4	....	58.4	....
Auburn	35.6	....	42.5	....	49.3	....	59.8	....	67.3	....	74.9	....	76.6	....	73.4	....	72.4	....	59.0	....	47.4	....	*42.4	....	58.4	....
Beattyville	35.8	− 1.8	45.0	+ 8.5	50.6	+ 5.9	60.0	− 6.1	67.6	+ 3.4	75.0	+ 3.0	76.2	+ 0.8	74.0	− 1.2	72.6	+ 3.5	59.2	+ 2.1	47.4	+ 3.3	40.5	− 4.8	58.5	+ 3.5
Bellefonte	32.4	− 4.0	37.3	− 1.0	47.6	+ 0.5	57.4	+ 2.1	67.8	+ 2.6	73.8	+ 0.9	74.2	− 1.9	....	....	....	....	59.6	+ 1.0	47.3	0.0	41.8	+ 5.2	....	....
Bellefonte	....	....	....	....	....	....	59.1	+ 4.7	66.9	+ 3.2	....	....	75.7	+ 0.8	73.6	− 0.5	71.0	+ 3.3	....	....	45.6	+ 0.6	40.9	+ 5.8	....	....
Burnaugh	....	....	....	....	....	....	....	....	....	....	....	....	76.2	....	73.0	....	71.2	....	60.1	....	47.6	....	*44.4	....	....	....
Jackson	32.8	− 0.3	40.2	+ 7.2	48.9	+ 4.8	58.6	− 5.0	68.0	+ 2.9	75.5	+ 2.6	77.7	+ 0.7	74.4	− 1.3	72.0	+ 2.4	58.5	+ 1.4	47.3	+ 2.7	38.6	+ 4.8	57.7	+ 2.7
Maysville	33.5	− 0.7	45.7	+ 6.8	50.6	+ 2.2	60.4	+ 4.2	66.8	+ 1.9	74.0	+ 1.8	75.3	+ 0.6	72.6	− 1.8	71.0	+ 2.2	58.2	+ 1.0	46.5	+ 0.7	43.6	+ 5.7	58.6	+ 2.2
Middlesboro	32.9	− 0.7	39.8	+ 6.4	48.2	+ 4.5	57.6	+ 4.0	66.8	+ 2.7	74.8	+ 2.4	77.8	+ 2.0	74.0	− 0.1	70.8	+ 3.2	58.7	+ 3.1	46.0	+ 2.0	39.2	+ 4.3	57.2	+ 2.8
Mount Sterling	33.9	− 1.6	42.4	+ 7.1	50.3	+ 4.9	61.0	+ 5.5	69.1	+ 3.5	75.6	+ 2.2	76.8	− 0.1	75.8	+ 0.2	74.4	+ 3.9	62.0	+ 3.6	49.6	+ 2.8	43.6	+ 6.5	59.7	+ 3.5
Richmond	33.9	+ 0.4	46.2	+ 8.7	51.8	+ 5.7	61.0	+ 5.3	67.8	+ 1.5	75.0	+ 1.5	76.8	0.0	74.2	− 1.9	72.8	+ 2.2	59.6	+ 0.1	48.1	+ 1.0	45.4	+ 7.1	59.8	+ 2.6
Williamsburg	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

All temperature data are taken from self-registering thermometers.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining

[illegible] appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1922

Stations	Last in Spring.	First in Autumn	Stations.	Last in Spring.	First in Autumn
WESTERN DIVISION.					
Beaver Dam	Mch. 22	Oct. 18	Irvington	Mch. 22	Oct. 18
Bowling Green	do 22	do 18	Junction City	April 23	do 13
Brookside	do 22	do 18	Leitchfield	Mch. 22	do 18
Cadiz	do 22	do 18	Lewisburg	do 23	do 13
Calvert	do 22	do 18	Lexington	do 23	do 18
Cloverport	do 22	do 18	Lee Cherokee Park	do 23	do 18
Columbus	do 22	do 18	Shelbyville	do 23	do 18
Cumberland	do 21	do 18	Sonora	do 23	do 13
Eddyville	do 22	do 18	Shepherdsville	April 23	do 13
Greenville	do 22	do 18	Taylorsville	do 23	do 13
Hopkinsville	do 22	do 18	Williamstown	Mch. 23	do 13
Madisonville	do 22	do 18			
Marion	do 22	do 18	EASTERN DIVISION.		
Maxwood	do 22	do 18	Ashland	April 23	Oct. 13
Owensboro	do 22	do 18	Beattyville	do 23	do 13
Paducah (Lone Oak)	do 22	do 18	Bellefonte	do 23	do 13
Paducah	do 22	do 18	Burnaugh	Mch. 23	do 13
Princeton	do 22	do 18	Jackson	do 23	do 13
Russellville	do 22	do 18	Maysville	Mch. 23	do 13
CENTRAL DIVISION.			Middlesboro	April 23	do 13
Auburn	April 23	Oct. 13	Mount Sterling	do 23	do 13
Bardstown	do 23	do 13	Richmond	Mch. 23	do 13
Bowling Green	Mch. 22	do 18	Williamsburg	April 24	do 13

MONTHLY SUMMARIES, 1922.

Month	Temperature. State average.	Temperature. Departure.	Temperature. Highest.	Temperature. Lowest.	Precipitation. State average.	Precipitation. Departure.	Average number of days. With .01 or more rain.	Average number of days. Clear.	Average number of days. Partly cloudy.	Average number of days. Cloudy.
January	34.6	0.0	67	1	2.25	− 2.14	8	12	7	12
February	41.3	+ 5.7	76	4	3.58	− 0.02	10	8	6	14
March	49.4	+ 3.4	83	19	8.11	+ 3.45	14	9	6	16
April	59.5	+ 3.6	88	25	4.25	+ 0.31	10	14	8	8
May	67.9	+ 2.3	94	38	3.87	− 0.08	10	14	10	7
June	75.4	+ 1.7	100	44	3.10	− 1.08	9	14	10	6
July	76.4	− 0.3	102	47	4.77	+ 0.47	9	17	9	5
August	75.2	− 0.5	101	47	2.43	− 1.13	6	16	9	6
September	72.7	+ 2.7	103	39	2.22	− 0.54	5	20	6	4
October	60.2	+ 2.4	86	25	2.28	− 0.22	6	20	4	7
November	48.3	+ 2.2	87	10	1.93	− 1.42	6	16	6	8
December	41.5	+ 4.1	77	5	5.64	+ 1.70	12	10	6	15
Annual means and extremes	58.5	+ 2.2	103	1	44.43	− 0.70	105	170	87	108

*Compared with 30 years' normal.

[illegible] data for Kentucky in detail during 1921 have been published for each month at the Kentucky section center. [illegible] Indexes to special articles published during past years [illegible]

NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

UNIVERSITY OF ILLINOIS LIBRARY

CLIMATOLOGICAL DATA.

MAR 3 1923

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., JANUARY, 1923. No. 1

GENERAL SUMMARY.

Except on a few days which were only moderately cold, mild weather prevailed throughout the month, becoming warmer toward the close. Mean daily temperatures ranged from normal to 20° above; while the average temperature for the month was exceeded only in January, 1907, 1913, and 1916. Freezing temperatures, occurring frequently at night, held vegetation in restraint during the first three weeks; but marked indications of growth appeared in grass, wheat, rye, and certain trees and shrubs during the last few days, when spring-like conditions prevailed.

Although the temperature was favorable, the light precipitation and frequent dry, brisk winds in the first two weeks delayed somewhat the handling of tobacco. Heavy rain set in on the 20th, and continued at intervals until the end of the month. Excellent progress was made with stripping tobacco during this period; but deliveries were delayed by the condition of the dirt roads, which became rapidly worse after the rains began. Improved highways also deteriorated and were damaged by washing. Bottom lands along the Green, Barren and Salt Rivers, and along other smaller streams in the Central and western counties, were extensively flooded, with considerable damage to fences, buildings, and wheat. Roads in Graves and McCracken counties were rendered impassable by the washing out of bridges on the 20th. Although the soil was watersoaked, what freezes occurred caused no injury of consequence to wheat and rye, which continued in good condition. Stock fared well in the open, with moderate feeding.

TEMPERATURE.

The average temperature for the month, 41 stations reporting, was 41.0°, which is 5.8° above normal. Maximum temperatures between 50° and 60° occurred on most days in all districts; while minimum temperatures near freezing, or a few degrees below, were the rule. Moderately low temperatures were recorded generally on only two days, the 13th and 17th. The extremes were 68° at Franklin on the 11th and at Mayfield on the 31st, and 11° at Berea on the 17th.

PRECIPITATION.

The average precipitation for the State, based on the reports of 57 stations, was 6.11 inches, which is 1.72 inches above normal. Light scattered showers occurred during the first decade, and moderate rains in the period 14-15th. Beginning with the 20th rain occurred daily until the end of the month. Daily amounts were heavy generally on the 20th and 21st, and heavy locally on the 24th, 27th and 31st. In the northeastern counties, and the district near the Ohio River as far west as the mouth of the Green, monthly amounts ranged generally from 4.5 to 5.5 inches. In the central, southern and western districts, 6.0 to 8.0 inches were reported from most stations; while more than 8.5 inches occurred in the extreme southwestern part of the State. Flurries on a few days in the northern and eastern counties represented the total monthly snowfall. Thunderstorms were reported on the 7th, 14th, 20th, 30th, and 31st. Sleet occurred locally on the 7th, 9th, 21st, 22d, and 24th, and generally over the State on the 23d.

MISCELLANEOUS.

Rivers:—The Ohio River rose slowly after the 20th, reaching flood stage at Evansville on the 30th. On the Green a crest of 31.7 feet was reached at Brownsville on the 25th, and 41.3 feet at Woodbury on the 26th. The lower Green remained near or above flood stage from the 23d to the end of the month

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.10	30.56	17	29.60	7	7706	10.4	35	sw.	18
Cincinnati ..... Ohio	30.10	30.62	17	29.49	11	7048	9.5	34	sw.	18
Evansville ..... Ind.	30.11	30.62	22	29.57	7	9389	12.6	42	sw.	18
Lexington ..... Ky.	30.12	30.63	17	29.59	7	12119	16.3	55	sw.	18
Louisville ..... Ky.	30.13	30.65	22	29.57	7	9977	13.4	42	s.	14

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	78	64	63	151.4	308.4	49	10	11
Cincinnati ..... Ohio.	81	72	79	99.8	303.4	33	6	17
Evansville ..... Ind.	78	67	69	97.6	305.9	32	5	16
Lexington ..... Ky.	82	76	.....	91.6	305.9	30	2	17
Louisville ..... Ky.	76	66	66	101.5	305.9	33	5	15

COMPARATIVE DATA FOR JANUARY.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with .01 in. or more rain
1889	28.0	+2.8	65	13	3.52	−0.87	..
1890	44.0	+8.8	77	10	6.43	+2.04	..
1891	37.0	+1.8	68	14	5.40	+1.01	..
1892	29.0	−6.2	65	− 6	2.72	−1.67	..
1893	26.0	−9.2	67	−22	2.08	−2.31	..
1894	38.0	+2.8	78	−12	2.91	−1.48	..
1895	30.0	−5.2	78	−16	5.71	+1.32	11
1896	26.1	−0.9	74	− 3	1.25	−3.14	6
1897	32.0	−3.2	75	−16	3.25	−1.14	8
1898	40.4	+5.2	72	6	8.76	+4.37	12
1899	34.4	−0.8	68	−18	6.23	+1.84	11
1900	37.2	+2.0	77	− 8	2.80	−1.59	8
1901	36.7	+1.5	75	4	1.85	−2.54	7
1902	33.7	−1.5	70	5	5.14	+0.75	7
1903	34.8	−0.4	82	− 9	2.50	−1.89	9
1904	32.3	−2.9	70	− 9	3.17	−1.22	10
1905	27.5	−7.7	70	−15	2.83	−1.56	11
1906	39.7	+4.5	80	− 9	3.48	−0.91	8
1907	43.2	+8.0	83	−11	8.02	+3.63	14
1908	35.0	−0.2	62	7	2.20	−2.19	8
1909	38.3	+3.1	77	− 8	3.47	−0.92	9
1910	33.8	−1.4	70	−20	4.41	+0.02	10
1911	39.7	+4.5	73	−16	2.88	−1.51	11
1912	25.9	−9.3	61	−20	3.09	−1.30	8
1913	42.5	+7.3	76	13	11.41	+7.02	14
1914	39.4	+4.2	79	5	2.31	−2.08	6
1915	33.6	−2.2	65	0	5.03	+0.64	13
1916	41.2	+6.0	78	− 5	7.27	+2.88	14
1917	36.7	+1.5	74	−17	6.38	+1.99	12
1918	20.6	−14.6	62	−20	5.09	+0.70	14
1919	37.9	+2.7	68	− 1	3.62	−0.77	7
1920	33.4	−1.8	72	6	6.75	+2.36	10
1921	39.7	+4.5	71	12	3.06	−1.33	10
1922	34.6	−0.6	67	1	2.25	−2.14	8
1923	41.0	+5.8	68	11	6.11	+1.72	12

Climatological Data for January, 1923.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days. With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Western Division.																				
Beaver Dam	Ohio	441	19	41.8	+ 6.2	65	11	20	17	37	5.31	+0.85	1.05	0	11	10	7	14	ne.	Miss Addie B. Taylor.
Blandville	Ballard	445	41	42.5	+ 8.5	61	11†	24	1	34	7.07	+2.44	1.67	0	10	6	9	16	sw.	E. W. Horr.
Calhoun	McLean	437	19	42 5	+ 5.8	62	11†	23	13	29	7.23	+2 35	2.44	T.	12	4	13	14	nw.	W. A. Taylor.
Earlington	Hopkins	420	32	a41.9	+ 6.6	63a	31	23	13	34a	7.46	+2.98	2.29	T.	8	12	3	16	s.	Brick Southworth.
Greenville	Muhlenburg	519	6	a41.8	.....	65a	11	20a	17	40a	6.69	.....	2.10	0	8	9	12	10	s.	C. R. Lovell.
Henderson	Henderson	327	14	.....	.....	.....	.....	.....	.....	.....	5.00	+1.64	2.40	0	10	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	26	42.8	+ 4.8	64	31	27	4†	29	7.89	+2.76	1.53	0	9	1	6	24	sw.	W. E. Graves.
Marion	Crittenden	571	24	42.2	+ 6.2	63	19	25	1†	36	7.13	+2.33	2 88	0	6	6	9	16	s.	B. C. Paris.
Mayfield	Graves	364	11	44.1	+ 8.5	68	31	26	4†	29	8.60	+4.63	2.10	0	11	14	7	10	s.	N. E. Douthit.
Owensboro	Daviess	479	26	40.2	+ 4.7	60	11†	21	17	26	6.10	−1.59	1.66	T.	12	6	3	22	sw.	Henry S. Berry
Paducah (Lone Oak)	McCracken	516	5	44.2	.....	65	11†	26	1	30	7.30	.....	2.00	0	8	15	5	11	w.	J. W. Lilley.
Paducah*	McCracken	341	34	.....	.....	.....	.....	.....	.....	.....	6.54	+1.91	2.84	T.	9	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	12	41.1	+ 5.7	62	31	25	1†	32	7.92	+3.67	1.78	0	11	10	3	18	s.	Dr. W. L. Cash.
Russellville	Logan	590	9	42.4	+ 7.1	65	11	22	17	36	7.13	+1.44	1 47	0	11	5	3	23	s.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	22	38 4	+ 5.4	60	18	18	17	35	5 34	−1 26	1.47	T.	10	9	6	16	nw.	C. E. Barret.
Bardstown	Nelson	637	26	40 5	+ .6	61	11†	20	17	33	6.34	+1.51	1.80	0	12	4	6	21	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	32	43 2	+ 6.6	66	11	22	17	35	8.94	+4.30	1.50	0	13	12	4	15	w.	Mrs. Lillie G. Causey
Brownsville	Edmonson	410	5	.....	.....	.....	.....	.....	.....	.....	7.89	.....	2.42	0	13	.....	.....	.....	.....	James B. Young.
Burnside	Pulaski	773	30	.....	.....	.....	.....	.....	.....	.....	6.41	+1.86	1.20	0	15	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton Lock No 1	Carroll	422	23	.....	.....	.....	.....	.....	.....	.....	5 05	+1.41	1.90	.....	14	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	9	.....	.....	.....	.....	.....	.....	.....	4.68	+0.54	1.85	T.	15	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	28	40.6	+ 5.7	62	11	18	17	36	5.76	+1.79	1.61	0	9	5	5	21	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	29	40.8	+ 4.8	60	11	19	17	34	4.99	+0.86	1.71	T.	11	12	3	16	s.	Sidney Wood.
Franklin	Simpson	691	27	a43.8	+ 5.2	68a	11	25a	17	33a	6.64	+2.18	1.55	0	12	8a	6a	16a	s.	Volney Jameson.
Glasgow	Barren	780	1	42.8	....	63	11	22	17	30	7.14	.....	1.60	0	11	9	7	15	n.	Dr. Fidella Edwards.
Greensburg	Green	581	30	40.8	+ 6.1	64	11	17	13†	40	6.88	+2.37	1.69	T.	19	7	1	23	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	550	20	.....	.....	.....	.....	.....	.....	.....	5.55	+1.16	1.73	0	11	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	25	41.0	+ 4.8	60	11†	23	17	26	6.61	+2.19	1.61	T.	11	6	3	22	sw.	W. J. Piggott.
Junction City	Boyle	985	29	40.2	+ 5.1	63	11	12	17	40	6.83	+1.84	1.75	T.	18	16	8	7	s.	William E. Grubbs.
Leitchfield	Grayson	635	27	40.4	+ 5.3	62	11	22	17	32	6 82	+2.30	1.90	0	11	10	5	16	s.	John E. Stone.
Lexington	Fayette	989	35	39.1	+ 6.1	59	11	17	17	28	6.63	+2.80	1.99	T.	13	6	6	19	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	50	40.4	+ 6.0	59	11	20	17	27	5.65	+1.78	2-23	T.	12	6	7	18	w.	U. S. Weather Bureau.
Do Cherokee Park	Do	554	13	38.5	+ 3.9	57	11†	20	17	30	5.58	+0.80	.....	T.	10	9	4	18	s.	Wm. L. Hunt.
Louisville (Dow 44)	Meade	363	0	.....	.....	.....	.....	.....	.....	.....	4.87	.....	2.00	.....	11	.....	.....	.....	.....	W. D. Farnsley.
St Joseph	Hardin	777	26	41.2	+ 7.1	60	12†	20	17	32	5.93	+1.36	1 08	T.	12	9	7	15	.....	Sisters of Loretto.
Stegall¶	Kenton	900	25	37.0	+ 3.9	57	18	15	17	34	5.61	+1.52	1.97	T.	12	6	7	18	s.	E. B. Wilson.
Shelbyville	Shelby	825	32	39.4	+ 6.1	59	18	18	17	31	6.96	+2.70	1.98	0	14	10	2	19	w.	Mrs. W. T. Miller.
Taylorsville	Spencer	480	20	40.5	+ 6.3	60	11	20	17	34	6.40	+1.94	1.81	T.	12	8	6	17	w.	E. D. Bourne.
Williamstown	Grant	943	19	36 6	+ 4.1	57	18	13	17	35	5.79	+2.16	1.54	T.	13	4	11	16	nw.	Mrs. E. S. Humlong.
Woodbury	Butler	533	5	.....	.....	.....	.....	.....	.....	.....	5.94	.....	1.95	0	11	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ages	Harlan	1265	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ashland	Boyd	534	4	40.8	.....	62	21	20	13†	38	5.57	.....	0.90	0	13	7	1	23	sw.	W. B. Shaw.
Beattyville	Lee	650	18	40.8	+ 5 9	61	11†	16	17	41	5 36	+0 62	1.12	0 3	14	4	7	20	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	40.8	+ 4.4	64	27	11	17	36	6.93	+2.18	1.90	T.	12	8a	3a	19a	se.	F. C. Thompson.
Claiborne	Harrison	684	5	.....	.....	.....	.....	.....	.....	.....	5.30	.....	1.75	0	8	.....	.....	.....	.....	P. H. Kelso.
Falmouth	Pendleton	666	34	.....	.....	.....	.....	.....	.....	.....	4.74	+1.04	1.57	0	11	6	7	18	se.	J. V. Oldham.
Farmers	Rowan	668	13	40 8	+ 6.0	60	18†	13	17	39	3 99	−0.43	0.98	0	9	8	7	16	e.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	41.6	.....	61	21	13	17	37	6.26	+2.50	1.29	T.	14	8	8	15	sw.	Dr. Dan. Fortune.
Louisa	Lawrence	584	16	.....	.....	.....	.....	.....	.....	.....	4.77	+1.06	0 96	T.	13	.....	.....	.....	.....	T. D. Snyder.
Maysville	Mason	524	25	38 8	+ 5.7	58	18a	16	17	34	4.98	+0.82	1.36	0	10	9	1	21	w.	Harry M. Robinson.
Middlesboro	Bell	1128	25	42 0	+ 4 2	59	12	19	17	34	6.83	+2.15	1.00	0	17	17	4	10	.....	B. H. Perkins.
Mount Sterling	Montgomery	930	33	39 0	+ 5 4	59	7	15	17	35	6.25	+1.53	1.46	0	12	14	1	16	w.	W. R. McKee.
Oliver	Greenup	540	3	.....	.....	.....	.....	.....	.....	.....	4 60	.....	1.10	0	11	.....	.....	.....	.....	Chas. Folsom.
Oneonta	Campbell	443	1	.....	.....	.....	.....	.....	.....	.....	4.93	.....	1.82	.....	11	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	17	.....	.....	.....	.....	.....	.....	.....	4.08	−0.05	0.86	.....	12	.....	.....	.....	.....	I. M. Williams.
Richmond	Madison	926	28	41.2	6.9	61	11	18	17	32	4 78	+0.27	0.82	T.	14	10	5	16	.....	J. W. Crooke.
Vanceburg	Lewis	525	6	.....	.....	.....	.....	.....	.....	.....	5 01	.....	1.87	T.	8	.....	.....	.....	.....	Samuel Johnson.
Worthington	Whitley	939	25	43 8	+ 4.7	63	11	18	17	38	5.35	+1.32	0.93	T.	17	5	12	14	se.	Mrs. Ruth Inman.
State averages and extremes				41.0	....	68	11†	11	17	41	6.11	.....	2 88	T.	12	8	6	17	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, b represents two days, etc.

a Also on other dates. ** Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.

¶ Post office address, Covington, Ky. *Temperature data by Evening Sun.

Daily Precipitation for January, 1923.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam ..... G		.20	.05				.05							.60						1.05	1.05		.75	.17			.33			.40	.05	5.31
Blandville ..... M														.80						1.40	1.67		.51	.12		.15	.63		.03	.58	.60	7.05
Calhoun ..... G		.04		T			.04	T	.03				T	1.09						1.02	.43		.20	.16		T	.69	.06		.24	.05	5.35
Earlington ..... G		.10	T.	T.									T.	.91						1.22	.29	T	.83	T.			.85	T	T	.52	.54	7.46
Greenville ..... G														.82						1.08	2.10		.81	.10			.75			.64	.20	7.69
Henderson ..... O	.05							.05						.70	.10					.45	.40		.45				.50	.25			.05	3.16
Hopkinsville C		.11					T.							1.19						1.47	1.53		.93	.08		T	.49	T		1.20	.51	7.89
Marion ..... O														.83						.91	.88		.55				.66				1.56	7.13
Mayfield ..... M		.06												1.50						1.80	2.10		.50	.14		.10	.50			.05	.05	8.60
Owensboro ..... O		.06	.05	T			.40		T				T	.60						1.10	1.18		.30	.15			.58	.06	.20	.02	1.60	6.15
Paducah (Lone Oak) ..... O														.90						1.20	2.00		.40	.10			.80			1.10	.80	7.30
Paducah ..... O	T.		T.					T.						*	.82					.34	2.84	T.	T	.70			.34	.10		.40	.04	6.54
Princeton ..... G		.08					.01						T	.85						1.60	1.78		.84	.08		.05	.65		T	80	1.35	7.92
Russellville ..... G			.13												.98					1.25	1.47	.38	.13	1.20			.22	.41		.18	.78	7.15
Central Division.																																
Anchorage ..... O		.13	T.	T.			T.		T.					.43						.87	1.47		.20	.19		.16	.69			.22	1.18	5.34
Bardstown ..... S	.18		.11				.30		.04					.42						.50	1.80		.40	.30			.96			1.15	.18	6.34
Bowling Green ..... G	.40		.18					.10							.92					1.50	1.40	.35	1.60	1.25			.64	.20		.10	.56	8.56
Brownsville ..... G	.21		.18					.13							.83					.42	2.42	.76	.08	1.05			.31	.55		.25	.70	7.89
Burnside C	.14		.04	T.				.09	.04						.57					.42	7.01	.20	10	1.10	.05		.40	.55		.11	.90	6.41
Carrollton ..... (Lock No. 1) O	.07		.18			.03		.47	T				.12	.65						.03	1.90	.16	.28	.07			.78	.28			.65	5.65
Closerport ..... O	.18		.22		T.	.01		.12	T					.32	.28					.16	1.85	.15		.31	.06	T.	.71	.26		.04	.01	4.68
Eubank C	.08							.12							.52					T	1.25	1.61		1.08				.58		.08	.44	5.76
Frankfort ..... K	.20		.05			T.		.82	T.					T.	.38	T.					1.71	.28		.42	.08		.67	.32			.66	4.99
Franklin ..... G			.45											.94						.01	1.20	1.55	.05	.50	.06		.76	.06		.90	.16	6.64
Glasgow ..... G	.25						.02							.90						1.60	1.35	.05	1.12	.80			.78	.05			.22	7.14
Greensburg ..... G	.21		.08			.02	.07		.05					.45	.03					.99	1.69	.09	1.20	.20	.09	.01	.62	.20	.02	.52	.34	6.88
High Bridge ..... K	.10							.48	.05						.42					1.73	.63		.95	.07			.65	.27			.20	5.55
Irvington ..... O		.05	.04	T.		T.	.44		T.				T.	.65						1.00	1.61		.32	.14		T.	.70	.08		T.	1.40	6.61
Junction City ..... K	.15		.05			.01	.27	.10		.01				.60		.01	T.			.77	1.75	.12	.85	.47	.01		.87	.01		.18	.66	6.83
Leitchfield ..... G		.16					.11							.61						1.90	1.00		.50	.25		.19	.60			.50	1.00	6.82
Lexington *** ..... K		.03					.56		.01					.38		T.				.80	1.68		.72	.06	T	.57	.49	.11		.07	1.22	6.63
LOUISVILLE*** ..... O		.09	T.		T.		.24	T.	T.				T.	.54		T.				1.75	.73		.20	.15		.49	.31	.02		.01	1.12	5.65
Do. (Cherokee Park) ..... O		T.	.17				.31	T.	T.					.49		T.				*	2.27		*	.39			.67	.28	T.	T.	1.60	5.58
Pilcher (Dam 43) ..... O			.36				.22	T.						.25	.45					.10	2.00	.28	.30		.12		.52	.27	T.		T.	4.87
St. John ..... S			.15				.32							.66						.92	1.08	.60	.50	.05			.45	.20		.40	.60	5.93
Scott L	.07	T.	.22	T			.10	.51	T.					.43						.43	1.97		.10	.35	T	.03	.85	T			.55	5.61
Shelbyville ..... S	.15	T.	.20				.40	.10	.05					.75						.73	1.98		.20	.30		.10	.70			.10	1.20	6.96
Taylorsville ..... S	.13		.08	T.			.38	.23	.02					.54		T				.40	1.81			.22		T	.74	.19		T.	1.06	6.40
Williamstown L	.16		.06				.87	.27						.57						.28	1.54		.04	.43		.06	.92	.31			.78	5.79
Woodbury ‖ ..... G			.14					.05							.89					.20	1.95	.32		.96			.22	.38		.20	.63	5.94
Eastern Division.																																
Ages ..... K																																
Ashland ..... O	.25		.20					.74	.06					.02	.35					T.	.90	.85		.65	.25			.70	.55			.05	5.57
Beattyville ‖ ..... K	.16		T.					.54	.04	T.				T.	.26	.03	T.		.04	T.	.74	1.12		.78	.04			.56	.51		.04	.50	5.36
Berea ..... K	.09				T.		.51							.92						.75	1.90	.12	.77	.22			.45			.62	.38	6.93
Cynthiana ‖ L								.60							.55						1.75	.60		.65	.10	T.	.75	.30			T.	5.30
Falmouth ‖ L	.08		.03					.77	T.				T.	.51						T.	1.57	.20		.32	.13			.74	.37			.62	4.74
Farmers ‖ L	.10		.12					.40							.49						.98	.60		.65	.10		.55	T.		T.		3.99
Jackson ‖ ..... K		.18		.12	T.	T.	.60		.05					.34	T.		T.	1.00	.90	1.29		T.	13			.54	.45	.11	.05	.50	6.26
Louisa ..... B	.28							.33	.10	.12					.25		.02				.68	.96		.75	.08		.45	.65			.10	4.77
Maysville ‖ ..... O	.18		T.					.75	T.	T.				.48						1.36	.36		.40	.20			.82	.35			.08	4.98
Middlesboro C	.34		.21				.07	.03	.03					.62	.25	.05				.57	.10	1.00	.70	.33			.73	.83		.70	.33	6.83
Mount Sterling L							.65		.21					.49						.58	1.46	.08	.60	.24		.07	.82	.15		T.	.90	6.25
Oliver ..... O	.28							.53	.09					.30	.05						1.10	.55		.50	.08		.65	.47				4.60
Oneonta ‖ ..... O	.22		.11			.04		.58							.48					T.	T.	1.82	.35			.22		.09	.83	.19			T.	4.93
Pikeville ..... B			.20	.38				.28	.18						.38					.18		.86		.38	.18		.62	.26			.18	4.68
Richmond ..... K			.04				.12	.08	.03					.37		T.				.50	.82	.38	.75	.28		T.	.30	.46		.04	.61	4.78
Vanceburg ‖ ..... K								.69	.05						.78						1.87			.37			.88	.34			.03	5.01
Williamsburg ‖ C	.26		.19	.15				.08	.03	T.					.45		T.		.09	.27	.14	.70	.05	.63	.02		.35	.93		.10	.91	5.35

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

Daily Temperatures for January, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	45	58	48	53	60	51	50	50	53	50	65	55	50	55	50	45	44	61	56	60	60	41	37	39	48	56	57	55	45	48	63	51.9
	Minimum	27	30	30	24	23	31	28	34	36	27	35	31	21	42	29	31	20	37	25	37	37	37	29	33	28	35	45	29	25	39	47	31.6
	Maximum	43	52	46	57	56	54	54	53	52	51	64	53	49	57	52	50	47	64	62	58	54	39	37	36	47	54	56	53	41	52	64	51.8
Blandville	Minimum	24	35	27	27	30	30	27	29	32	33	36	37	34	40	29	33	27	45	28	43	34	28	28	29	26	39	47	35	32	38	48	33.2
	Maximum	42	54	49	51	55	53	49	49	51	45	62	60	48	56	48	46	43	62	60	56	57	40	48	48	44	55	57	55	43	47	55	51.2
	Minimum	27	41	31	28	27	33	31	35	37	28	42	31	23	45	31	32	24	39	33	38	39	29	29	33	28	37	45	31	35	32	38	33.8
Calhoun	Maximum	42	55	47	51	57	55	50	50	52	53	62	52	50	55	...	45	55	60	59	55	58	38	36	37	44	52	56	54	42	50	63	*51.2
	Minimum	26	32	30	26	25	31	28	35	36	30	31	35	23	43	30	31	29	40	25	37	36	27	29	33	26	39	48	35	28	39	48	32.6
Earlington	Maximum	44	56	52	54	60	57	...	55	55	52	65	53	52	60	50	51	47	61	63	57	63	42	41	39	54	58	58	43	49	64	...	*50.4
	Minimum	25	28	28	24	23	30	...	26	35	26	31	30	21	42	25	28	20	36	23	38	35	26	28	30	32	34	40	32	26	36	47	*30.2
Greenville	Maximum	39	52	47	52	54	51	54	55	46	48	60	53	52	56	46	54	51	58	59	58	54	40	38	39	46	52	59	55	44	52	64	51.2
	Minimum	36	36	32	27	27	33	29	31	38	30	34	35	30	45	28	29	28	40	30	46	38	31	30	34	28	34	46	37	32	41	49	34.3
Hopkinsville	Maximum	42	51	52	58	51	57	52	48	51	47	58	62	52	57	48	50	47	58	63	57	57	38	38	38	48	52	56	57	40	43	57	51.0
	Minimum	25	34	30	27	29	40	29	34	36	31	36	35	38	44	30	32	25	39	27	44	36	27	29	29	28	37	48	34	30	38	42	33.5
Marion	Maximum	44	52	48	55	57	57	55	55	60	52	61	63	61	59	52	51	49	56	61	64	59	49	40	40	48	51	57	58	48	55	68	54.4
	Minimum	33	34	30	26	29	30	29	28	33	29	38	39	35	43	31	32	28	37	43	30	37	20	28	32	26	31	47	36	32	43	49	33.8
Mayfield	Maximum	40	56	49	48	51	50	51	43	50	41	60	51	46	55	42	42	37	60	53	55	56	37	35	37	45	53	55	56	44	46	54	48.3
	Minimum	29	34	30	29	26	30	30	31	30	29	35	33	34	41	29	31	21	34	36	41	35	26	26	32	28	34	46	33	26	36	44	32.2
Owensboro	Maximum	45	57	52	56	59	54	55	56	56	53	65	61	54	60	53	56	50	65	65	58	60	44	40	38	48	54	58	58	44	51	65	54.3
	Minimum	26	32	30	29	29	31	28	30	28	31	36	35	31	46	31	34	27	44	38	40	38	29	30	33	27	40	48	36	33	40	48	34.1
Paducah (Lone Oak)	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Paducah	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Princeton	Maximum	39	52	47	52	54	54	50	51	49	50	60	57	50	56	45	41	42	58	58	56	56	39	36	36	45	52	57	55	41	50	62	50.0
	Minimum	25	32	30	26	26	30	28	34	36	28	31	34	25	43	28	27	25	39	26	40	36	28	29	32	25	36	47	35	30	39	49	32.2
Russellville§§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Central Division.																																	
Anchorage	Maximum	45	58	46	47	50	51	48	44	48	41	58	51	45	57	46	44	36	60	50	55	56	41	34	38	44	48	54	52	45	48	55	48.2
	Minimum	23	25	30	25	23	32	28	33	31	23	23	23	19	39	32	27	18	35	20	30	34	23	24	32	30	29	44	27	22	36	45	28.5
Bardstown	Maximum	42	57	49	46	54	52	53	48	49	43	61	60	53	57	48	45	36	61	57	55	59	37	33	38	45	58	55	51	45	47	59	49.9
	Minimum	29	29	32	27	24	33	30	35	33	27	28	33	23	40	35	30	20	34	25	36	35	27	26	32	29	29	43	31	25	36	47	31.1
Bardstown	Maximum	46	59	54	52	59	52	53	52	49	51	66	59	57	57	51	49	43	61	58	55	60	50	50	48	39	48	55	55	51	45	57	53.1
	Minimum	35	30	28	26	28	34	27	36	37	31	31	35	30	34	32	31	22	37	27	38	40	30	31	35	33	33	47	38	28	38	50	33.3
Bowling Green	Maximum	38	58	54	47	57	50	54	54	50	40	62	59	54	52	53	44	38	55	58	51	59	41	40	40	38	52	54	52	45	45	59	50.0
	Minimum	28	27	30	27	26	34	20	35	32	25	26	33	22	48	36	29	18	32	29	35	39	28	28	27	31	29	44	31	35	37	44	31.1
Eubank	Maximum	55	56	54	44	49	51	48	51	49	39	60	58	46	57	47	43	39	59	57	55	59	38	36	40	40	49	54	54	46	48	56	49.5
	Minimum	28	27	30	27	26	34	20	35	32	25	26	33	22	48	36	29	18	32	29	35	39	28	28	27	31	29	44	31	35	37	44	31.1
Frankfort	Maximum	55	56	54	44	49	51	48	51	49	39	60	58	46	57	47	43	39	59	57	55	59	38	36	40	40	49	54	54	46	48	56	49.5
	Minimum	30	28	33	30	26	35	31	36	35	28	26	33	23	43	37	32	19	34	28	32	37	28	25	33	33	32	43	35	26	36	45	32.1
Frankfort	Minimum	50	...	50	53	58	57	55	55	51	51	68	60	57	55	51	50	46	61	59	55	61	42	39	40	46	56	56	56	45	50	64	*53.5
Franklin	Maximum	38	...	30	26	29	33	33	35	37	31	35	34	28	31	31	32	25	36	30	38	39	30	31	35	33	34	42	47	20	40	50	*34.1
	Minimum	38	...	30	26	29	33	33	35	37	31	35	34	28	31	31	32	25	36	30	38	39	30	31	35	33	34	42	47	20	40	50	*34.1
Glasgow	Maximum	53	58	55	50	58	56	55	48	50	49	63	60	56	57	49	47	41	60	57	55	62	39	36	40	45	55	54	54	44	60	62	52.6
	Minimum	30	30	30	26	30	30	28	35	35	28	38	32	26	32	32	31	22	37	33	43	28	29	30	34	29	32	47	36	29	39	50	32.9
Greensburg	Maximum	54	60	55	50	58	53	54	55	50	47	64	61	53	58	52	47	40	59	58	55	62	39	36	40	39	56	55	55	46	47	61	52.2
	Minimum	27	23	29	24	20	31	25	33	32	24	24	32	17	46	34	27	17	33	24	29	36	27	27	32	30	26	43	24	23	36	44	29.3
Irvington	Maximum	43	57	48	49	53	51	51	44	51	43	60	53	48	55	42	44	39	60	53	56	58	39	35	39	44	53	57	56	46	48	59	49.5
	Minimum	29	35	31	27	27	31	31	31	33	28	35	34	26	42	30	31	23	36	27	42	37	27	26	33	29	35	47	34	28	37	47	32.5
Irvington	Maximum	53	58	48	48	57	50	56	58	54	48	63	60	53	56	52	47	39	66	56	54	59	40	34	39	39	52	60	54	46	48	60	51.5
Junction City	Minimum	27	20	28	26	23	29	30	40	24	26	23	33	29	35	35	27	12	32	23	38	37	27	26	32	31	29	35	35	22	36	44	29.0
	Maximum	45	57	50	50	57	53	52	48	50	47	62	57	50	54	47	45	38	58	50	54	54	38	34	39	45	53	54	50	45	46	59	49.4
Leitchfield	Minimum	29	29	30	24	25	31	28	33	34	28	30	32	24	40	31	32	22	36	26	37	35	27	28	32	29	32	44	35	26	37	45	31.3
	Maximum	41	56	44	43	50	49	51	46	47	36	59	47	48	54	43	39	40	56	48	55	57	35	35	37	37	49	53	51	42	47	58	46.9
Lexington	Maximum	41	56	44	43	50	49	51	46	47	36	59	47	48	54	43	39	40	56	48	55	57	35	35	37	37	49	53	51	42	47	58	46.9
	Minimum	28	33	29	28	32	30	30	33	29	25	31	32	28	35	32	24	17	40	30	41	31	26	24	30	30	32	46	32	29	37	47	31.3
Louisville	Maximum	42	56	48	47	52	52	48	49	49	40	59	44	51	57	45	42	46	58	49	57	49	38	36	38	43	51	55	53	45	48	56	48.2
	Minimum	29	33	31	29	32	32	32	34	29	28	32	34	28	38	34	27	20	40	31	41	31	27	26	33	32	33	47	34	30	38	48	32.7
Louisville	Minimum	29	33	31	29	32	32	32	34	29	28	32	34	28	38	34	27	20	40	31	41	31	27	26	33	32	33	47	34	30	38	48	32.7
Dr. (Cherokee Park)	Minimum	40	52	49	45	47	52	45	41	49	37	57	41	44	55	42	38	34	57	44	55	55	36	35	34	41	48	54	54	42	46	53	45.8
St. John	Minimum	28	30	32	27	27	32	29	33	33	27	27	33	24	42	34	31	21	34	26	34	35	25	25	32	31	32	44	34	25	37	45	31.2
Scott	Minimum	56	56	52	48	54	52	52	51	55	46	58	60	50	55	48	48	45	58	57	58	60	40	39	38	43	50	56	55	45	59	59	51.7
Shepherdsville	Minimum	32	29	31	26	25	31	33	33	33	25	26	31	23	42	33	32	20	35	25	34	34	24	22	33	30	30	45	35	25	33	43	30.8
	Maximum	51	55	49	48	46	45	43	44	44	37	56	53	43	54	44	40	30	57	54	54	54	35	31	35	35	44	52	52	39	48	51	45.5
Taylorsville	Minimum	26	28	31	28	33	29	28	32	32	22	22	30	17	31	34	27	15	29	24	34	33	22	20	30	31	30	39	33	22	34	42	28.6
Versailles	Maximum	51	56	52	44	50	50	49	51	48	41	58	55	47	53	46	44	39	59	52	54	55	39	38	38	41	47	54	55	44	47	55	48.7
	Minimum	27	30	30	26	26	32	28	33	32	25	27	30	21	38	34	28	18	32	25	35	34	24	23	32	30	31	41	50	35	53	44	30.0
Shepherdsville	Maximum	58	55	54	46	50	51	48	52	48	40	60	58	48	55	46	43	39	58	57	56	57	38	36	38	41	50	55	53	44	47	55	49.6
Taylorsville	Minimum	30	25	30	27	24	33	30	35	34	27	26	33	21	44	35	30	20	33	24	30	26	27	26	32	31	30	44	35	25	37	45	31.4
Versailles	Maximum	51	55	50	47	42	44	48	47	36	56	54	43	53	46	38	31	57	55	53	53	53	35	34	35	35	44	52	51	41	45	53	48.9
Williamstown	Minimum	25	25	28	26	28	29	27	31	30	22	21	28	18	36	31	28	13	27	23	30	21	22	19	29	29	29	38	31	23	32	42	27.1
Eastern Division.																																	
Age	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Ashland	Maximum	59	56	54	39	51	52	51	51	46	38	59	59	43	60	54	44	35	60	58	52	62	40	28	40	39	46	50	52	45	46	59	49.6
	Minimum	32	24	36	32	36	32	31	37	35	29	21	36	20	36	37	32	20	29	30	30	31	29	24	33	33	32	40	39	27	36	41	31.9
Brandville	Maximum	37	55	55	47	53	55	56	55	47	44	61	60	54	58	52	45	42	60	58	51	61	45	39	42	42	51	54	53	50	44	58	51.1
	Minimum	31	19	34	30	23	32	28	37	30	28	20	36	18	39	37	29	16	28	25	27	43	30	27	33	33	26	43	39	26	37	43	30.5
Buena	Maximum	49	58	52	47	55	55	55	60	49	38	62	57	54	58	52	45	44	35	61	56	53	59	37	35	45	37	51	54	53	50	44	48.6
	Minimum	29	27	31	28	29	34	30	35	32	27	26	32	21	40	35	30	11	35	28	36	32	28	27	33	31	31	43	32	23	38	46	31.0
Farmers	Maximum	58	56	55	53	52	54	57	52	47	44	59	59	49	56	56	48	39	60	59	56	60	48	40	43	40	51	58	50	48	49	59	52.1
	Minimum	30	20	35	29	24	28	25	35	35	26	26	40	24	57	35	27	13	30	22	27	27	20	27	25	31	31	38	35	31	31	43	29.5
Garrison	Maximum	56	56	53	50	49	58	54	58	55	42	60	59	54	58	53	51	42	59	59	53	61	51	38	42	40	53	55	55	50	45	59	52.0
	Minimum	32	22	34	30	27	30	29	37	28	26	23	36	22	38	36	23	13	30	29	26	29	31	27	34	33	27	42	37	26	37	43	31.2
Maysville	Maximum	40	53	48	41	46	48	48	49	47	36	56	53	44	55	44	40	32	58	56	54	58	37	34	38	38	46	52	53	43	46	58	46.8
	Minimum	31	25	34	30	30	33	31	36	34	27	22	34	21	39	36	30	16	30	27	36	36	26	22	33	32	30	42	35	25	35	42	30.8
Middlesboro	Maximum	50	54	50	43	52	55	50	50	50	50	55	59	54	54	57	45	44	55	55	52	58	56	36	42	41	42	52	53	56	55	53	52	51.4
	Minimum	33	23	34	24	23	35	31	39	34	28	23	42	20	39	36	31	19	30	34	31	46	32	31	32	33	28	44	45	27	40	43	32.7
Mount Sterling	Maximum	52	57	52	48	50	48	59	48	44	38	58	53	47	56	47	40	33	58	57	51	58	36	34	38	35	48	53	51	42	46	57	48.2
	Minimum	29	25	30	26	26	33	25	35	32	25	23	33	20	40	34	27	15	29	29	35	34	27	24	32	30	29	43	34	23	36	44	29.9
Richmond	Maximum	53	58	52	46	56	48	52	53	47	38	61	58	53	54	52	45	38	57	57	51	51	51	40	39	36	51	54	53	45	44	58	50.0
	Minimum	29	28	32	28	31	31	30	35	34	28	29	33	25	45	33	29	18	31	40	38	38	28	26	32	31	30	45	36	27	39	47	32.3
Williamsburg	Maximum	51	58	52	53	59	55	55	58	54	43	63	60	58	58	51	48	42	62	58	53	61	45	39	43	41	55	55	57	54	51	59	53.6
	Minimum	31	25	31	29	27	34	30	39	34	27	25	40	20	48	36	32	18	33	31	32	51	32	30	35	31	28	44	41	25	40	45	33.0

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * The indicate respectively 1, 2, 3 etc., days missing from record.

NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

UNIVERSITY OF ILLINOIS
MAY

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., MARCH, 1923. No. 3

GENERAL SUMMARY.

The principal features of the month's weather were the frequent sharp changes in temperature, the two cold waves of midwinter severity, and the widespread and destructive windstorms of the 11-12th. Wintry conditions predominated, especially during the last two weeks. Scarcely anything could be done toward spring plowing, planting early potatoes, sowing oats, and planting early gardens, these activities being prevented until near the close of the month by the frequent heavy rains. The sowing of tobacco plant beds continued throughout the month in the intervals of favorable weather, and was finally completed about two weeks later than usual.

Much of the sprouting clover seed, probably 50 per cent of the amount then sown, was killed by the low temperature of the 19-20th; also peach buds suffered considerably in the southern counties. Additional damage of the same character resulted from the freeze of the 31st, which was nearly as severe and occurred when vegetation was somewhat farther advanced. The plants or germinating seed, in some of the earlier tobacco plant beds were killed at this time. The injury to fruit was less than usual from such severe conditions so late in March, because the frequent recurrence of freezing weather had retarded its development. Pastures on warm, south slopes made some growth, otherwise grass remained dormant as in winter, and heavy feeding of stock had to be continued. Early wheat was growing slowly and looked well at the beginning of the month, but it made no progress or deteriorated later; while the late sown portion of the crop was badly frozen out. Roads were either in a softened condition from rains and thaws, or were frozen rough most of the time.

TEMPERATURE.

The average temperature for the month, 40 stations reporting, was 45.6°, which is 0.4° below normal. The periods 1st-2d and 9-13th, also the 15th, 22d, and 25th, were moderately warm; while temperatures below normal prevailed in the periods 6-8th, 16-20th, 23d-24th, and 26th-31st. Minimum temperatures on the 19th, 20th, and 31st ranged between 10° and 20° at most stations. The difference in the mean temperatures at extreme northern and southern stations was considerably larger than usual for this month, amounting to 7°. Extremes at the various stations ranged between 8° at Blandville on the 19th and 80° at Williamsburg on the 3d.

PRECIPITATION.

The average precipitation for the month, based on reports from 56 stations, was 5.27 inches, which is 0.61 inch above normal. Heavy rains occurred generally in the periods, 6-7th, 10-12th, 16th, and 21st-24th. In the district near the Ohio and Big Sandy rivers, and in the bluegrass region, monthly amounts ranged between 3.0 and 5.0 inches. In the southern half of the State they varied generally between 5.0 and 8.0 inches, increasing toward the southern boundary. At the various stations the total for the month ranged between 2.70 inches at Marion and 8.02 inches at Hopkinsville. Snowfall was mostly confined to a few flurries at stations in the central and northern counties. Thunderstorms were reported on the 11th, 13th, 15th, 16th, 18th, and 23d; and hail from several stations on the 11th.

MISCELLANEOUS.

March 11-12.—Severe windstorms swept over most of the State during the night of the 11th and morning of the 12th, killing 10 persons, injuring 80, and causing damage estimated at [illegible] than $1,000,000. It was most serious in the following

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.09	30.64	31	28.99	11	9571	12.9	48	sw.	12
Cincinnati ..... Ohio	30.08	30.59	31	29.18	11	7862	10.6	48	sw.	12
Evansville ..... Ind.	30.10	30.62	31	29.07	11	11261	15.1	60	sw.	11
Lexington ..... Ky.	30.10	30.61	31	29.27	11	13129	17.6	63	sw.	12
Louisville ..... Ky.	30.10	30.64	31	29.14	11	11760	15.8	66	sw.	12

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more	20 per cent or less.
Cairo ..... Ill.	70	52	56	262.7	371.4	71	18	4
Cincinnati ..... Ohio.	78	57	76	216.3	371.1	58	11	8
Evansville ..... Ind.	71	55	62	225.5	371.2	61	12	6
Lexington ..... Ky.	76	62	.....	208.1	371.2	56	12	9
Louisville ..... Ky.	68	49	52	214.9	371.2	58	12	6

COMPARATIVE DATA FOR MARCH.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with .01 in. or more rain
1889	40.5	− 5.5	84	18	1.52	−3.14	..
1890	41.2	− 4.8	78	4	8.34	+3.68	..
1891	41.8	− 4.2	71	9	8.08	+3.42	..
1892	40.6	− 5.4	82	7	4.08	−0.58	..
1893	45.0	− 1.0	89	5	2.76	−1.90	..
1894	50.8	+ 4.8	86	10	2.72	−1.94	..
1895	45.0	− 1.0	88	15	3.17	−1.49	9
1896	41.1	− 4.9	80	8	6.16	+1.50	12
1897	49.6	+ 3.6	86	20	7.94	+3.28	14
1898	50.7	+ 4.7	84	16	7.59	+2.93	13
1899	43.9	− 2.1	80	− 3	8.10	+3.44	15
1900	42.8	− 3.2	81	− 3	2.58	−2.08	9
1901	46.4	+ 0.4	87	3	3.50	−1.16	10
1902	47.2	+ 1.2	82	7	4.44	−0.22	11
1903	52.5	+ 6.5	85	19	4.43	−0.23	12
1904	47.7	+ 1.7	88	12	6.26	+1.62	12
1905	52.2	+ 6.2	86	22	4.45	−0.21	9
1906	39.2	− 6.8	75	3	6.37	+1.71	16
1907	54.9	+ 8.9	92	18	2.28	−2.38	10
1908	51.8	+ 5.8	88	19	5.42	+0.76	13
1909	44.8	− 1.2	74	17	5.14	+0.48	11
1910	55.0	+ 9.0	91	11	0.79	−3.87	3
1911	46.0	0.0	87	7	2.57	−2.09	9
1912	41.3	− 4.7	88	10	6.22	+1.56	15
1913	46.5	+ 0.5	85	9	7.22	+2.56	10
1914	41.8	− 4.2	78	2	3.62	−1.04	12
1915	37.8	− 8.2	65	11	2.11	−2.55	8
1916	43.5	− 2.5	84	4	3.39	−1.27	10
1917	45.9	− 0.1	84	0	6.52	+1.86	14
1918	51.6	+ 5.6	85	17	1.97	−2.69	8
1919	47.6	+ 1.6	81	16	5.65	+0.99	9
1920	46.3	+ 0.3	88	− 1	4.85	+0.19	10
1921	56.7	+10.7	87	19	5.75	+1.09	11
1922	49.4	+ 3.4	83	19	8.11	+3.45	14
1923	45.6	− 0.4	80	8	5.27	+0.61	9

Climatological Data for March, 1923.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	19	46.2	— 1.4	78	3	11	19	49	4.85	+0.61	1.10	0	8	18	5	8	n.	Miss Addie B. Taylor
Blandville	Ballard	445	41	45.4	— 1.9	71	22	8	19	47	5.64	+1.01	2.47	0	7	11	13	7	sw.	E. W. Horr.
Calhoun	McLean	437	19	47.4	— 1.9	76	3	15	19	45	4.78	+0.06	1.25	T.	10	10	14	7	nw.	W. A. Taylor.
Earlington	Hopkins	420	32	46.6	— 0.7	75	3	11	19	48	5.71	+0.83	1.29	T.	12	18	4	9	n.	Brick Southworth.
Greenville	Muhlenburg	519	6	[b]45.6		75[b]	3	9[b]	19	55[4]	5.71				11	18[b]	9[b]	2[b]	s.	C. R. Lovell.
											4.48	— 0.83	1.30	T.	7					W. W. Shelby.
Henderson	Henderson	327	14								8.02	+3.18	2.27	0	8	15	4	12	s.	W. E. Graves.
Hopkinsville	Christian	524	26	47.0	— 2.2	76	3	12	19	46	2.70	— 2.09	1.08	T.	5	11	11	9	nw.	B. C. Paris.
Marion	Crittenden	571	24	46.6	— 2.0	73	4	9	19	52	5.32	+1.26	1.40	0	7	19	5	7	s.	N. E. Douthit.
Mayfield	Graves	364	11	47.0	— 4.4	72	1	10	19	43	3.28	— 1.50	0.82	T.	10	18	5	8	nw.	Henry S. Berry.
Owensboro	Daviess	479	26	45.2	— 1.7	73	3	11	19	45										
Paducah(Lone Oak)	McCracken	516	5	48.2		74	3	10	19	50	4.95		1.90	0	7	20	8	3	w.	J. W. Lilley.
Paducah *	McCracken	341	34								5.06	+0.67	1.20	T.	8					Frank L. Brown.
Princeton	Caldwell	529	12	45.4	— 2.9	72	3	10	19	49	5.52	+0.81	1.75	T.	12	9	15	7	s.	Dr. W. L. Cash.
Russellville	Logan	590	9	46.3	— 2.9	75	3	12	19†	44	7.61	+2.32	2.27	0	11	18	6	7	s.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	22	42.6	— 2.5	74	3	13	19	40	4.75	+0.51	1.25	T.	8	21	3	7	nw.	C. E. Barret.
Baldstown	Nelson	637	26	46.0	— 0.6	75	4	15	19	47	5.07	+0.38	1.35	T.	8	14	5	12	s.	Chas. M. Talbott.
Bowling Green	Warren	500	32	47.8	— 0.5	79	3	14	19	45	7.50	+2.58	2.00	T.	9	16	3	12	w.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	5								7.49		1.68	0.8	10					James H. Young.
Burnside	Pulaski	773	30								6.15	+0.89	1.40	T.	9					F. E. Bradshaw.
Carrollton(Lock No.1)	Carroll	422	23								3.45	+0 12	1.05		10					Charlie Oliver.
Cloverport	Breckenridge	375	9								4.16	— 0.10	0.93	T.	11					W. A. Cockerill.
Eubank	Pulaski	1177	28	45.8	— 0.5	72	3†	13	20	41	5.17	— 0.08	2.05	0	9	2	14	15	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	29	45.4	— 1.2	72	3	17	19†	45	4.16	— 0.54	1.04	T.	9	15	4	12	s.	Sidney Wood.
Franklin	Simpson	691	27																	Volney Jameson.
Glasgow	Barren	780	1	47.2		75	3	18	19	46	7.39		2.80	0	7	17	4	10	s.	Dr. Fidella Edwards.
Greensburg	Green	581	30	45.4	— 1.2	75	3	12	19†	49	7.17	+2.14	2.12	0	14	9	4	18	s.	Mrs. Bettie K. H. Alcorn.
High Bridge	Jessamine	550	20								4.58	+0.14	1.12	T.	8					Miss Lulu Wood.
Irvington	Breckenridge	646	25	45.2	— 1.6	73	3	13	19	45	5.38	+0.78	1.21	T.	9	15	5	11	sw.	W. J. Piggott.
Junction City	Boyle	985	29	45.4	— 0.7	74	3	11	20	43	7.19	+2.02	2.10	T.	12	17	10	4	s.	William E. Grubbs.
Leitchfield	Grayson	635	27	45.2	— 0.8	74	3	12	19	43	6.40	+1.61		T.	9	13	8	10	sw.	John E. Stone.
Lexington	Fayette	989	35	42.6	— 0.8	71	3	14	20	35	4.65	— 0.07	1.37	0.1	11	11	8	12	Sau	U. S. Weather Bureau.
Louisville	Jefferson	525	50	43.4	— 2.0	71	3	12	19	39	4.18	— 0.14	1.13	T.	9	11	10	10	s.	U. S. Weather Bureau.
Do (Cherokee Park)	Do.	534	13	45.0	— 0.3	72	3	13	19	50	4.67	+0.83	1.25	T.	10	17	6	8	nw.	Wm. I. Hunt.
Pilcher (Dam 43)	Meade	363	0								4.45		1.17	T.	7					W. D. Farnsley.
St. John	Hardin	777	26	44.4	— 0.7	72	3	12	19	43	5.83	+0.84	1.30	T.	12	17	5	9		Sisters of Loretto.
Scott ¶	Kenton	900	25	41.7	— 1.7	70	3	13	20	39	4.66	+0.22	1.65	1.0	14	7	15	9	s.	E. B. Wilson.
Shelbyville	Shelby	825	32	43.4	— 1.3	73	3	14	19	40	6.92	+2.21	1.60	0	10	17	9	5	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	20	44.3	— 2.3	71	3	15	19	43	4.92	+0.28	1.60	T.	9	17	8	6	w.	E. D. Bourne.
Williamstown	Grant	943	19	41.7	— 2.9	73	3	12	20†	45	4.29	— 0.09	1.20	T.	9	20	5	6	w.	Mrs. E. S. Humlong.
Woodbury	Butler	533	5								7.76		1.75	0	10					J. C. Stinson.
Eastern Division.																				
Agee	Harlan	1265	1																	
Ashland	Boyd	534	4	47.4		78	12	17	31	45	4.05		0.94	0	10	18	0	13	w.	W. B. Shaw.
Beattyville	Lee	650	18	46.8	+ 0.9	77	3†	14	20	45	5.05	— 0.03	1.78	T.	12	6	9	16	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	45.1	— 2.0	74	3	13	20	41	5.07	+0.31	2.18	0.1	10	14	7	10	sw.	Frank Montgomery.
Cynthiana	Harrison	684	5								4 80		1.25	T.	9					P. H. Kehoe.
Falmouth	Pendleton	660	34								3.46	— 0.63	1 00	T.	9	15	7	9	s.	J. V. Oldham.
Farmers	Rowan	668	13	45.5	+ 0.4	74	3	12	31	44	4.01	— 0.50	1.05	T.	8	14	9	8	ne.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	47.5		77	3	11	20	44	7.10	+2.75	1.88	T.	9	16	10	5	sw.	Dr. Dan. Fortune.
Louisa	Lawrence	584	16								3.94	— 0.15	1.08	0	10					T. D. Snyder.
Maysville	Mason	524	25	43.7	— 0.4	74	3	11	31	48	4.48	— 0.16	1.02	0	9	20	7	4	w.	Harry M. Robinson.
Middlesboro	Bell	1128	25	48.2	— 0.3	76	4*	13	20	42	7.83	+2.35	2.08	T.	10	20	5	6		R. H. Perkins.
Mount Sterling	Montgomery	930	33	43.6	— 0.1	73	3†	13	20	37	4.59	— 0.82	1.60	0	7	20	5	6	w.	W. R. McKee.
Oliver	Greenup	540	3								4.04		0.92	0	8					Chas. Folsom.
Oneonta	Campbell	443	1								4.24		1.41		9					Andrew M. Stanforth.
Pikeville	Pike	634	17								4.02	— 0.53	0.84	0	9					I. M. Williams.
Richmond	Madison	926	28	46.6	+ 1.2	76	3	15	20	41	4.87	+0.48	1.20	T.	9	20	2	9		J. W. Crooke.
Vanceburg	Lewis	525	6								4.57		0.95	0	10					Samuel Johnson.
Williamsburg	Whitley	939	25	49.0	+ 2.9	80	3	13	20	46	7.02	+2 10	1.56	T.	12	11	13	7	nw.	Mrs. Ruth Inman.
State averages and extremes				45.6		80	3	8	19	55	5.27		2.80	T	9	15	7	9	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, *, †, ¶, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. ** Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.
¶Post-office address, Covington, Ky. *Temperature data by Evening Sun.

areas: Daviess County and bordering sections; Madison County and surrounding districts; and in a broad belt extending from Logan and Simpson Counties northeastward to the mouth of the Kentucky River. In these districts hundreds of barns and scores of dwellings were unroofed or demolished; while telephone, telegraph, and trolley services were generally paralyzed. The loss of live stock, especially cattle, was estimated at several hundred head. Extensive damage also occurred in the other portions of the State west of the mountain section, where windows, roofs, and wire systems suffered. Hail accompanied these storms in many localities. Some estimates of damage by counties in which the losses were greatest are as follows: Graves,

Daily Precipitation for March, 1923.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G					1.10					.75	.40	.50			.90						.15	.50	.55								
Brandenburg	M			T.		1.19	.05			.16	1.22	.47	T.			1.14						.51										4.74
Calhoun	G				T.		1.17	.04	T.		.09	.74	.42	T.		.10	1.25			T.		.15	.73	.09								5.44
Carlinton	G	.02					1.27	.05	T.		.05	1.29	.48	.04		.12	1.15					.22	.75	.30								4.78
Greenville	G	.02					1.24				.25	*	.50			*	2.26			.02			.22	.82	.38								5.71
Henderson	O																															9.71
Hopkinsville	C					.72	.32	T.			.15		1.30				1.20						.75	.04								
Marion	C					2.27					.33	.95	.43	T.			2.07					.26	1.12	.65								4.48
Mayfield	M					1.08					.15	T.					.82			T.		.40	.27	T.								8.02
Owensboro	O				T.	1.40					.25	1.35	.42				1.00					.20	.70									2.70
						.72	.03	T.			.05	.72	.31	.02		.02	.82			T.		.12	.47	T.								5.92
Paducah (Lone Oak)	O																															3.28
Paducah	O					.20					.20	1.90	.45				1.50					.25	.45									
Princeton	G			T.		1.29	.08				.02	1.16	1.08				.90			T.			.60	.02								4.95
Russellville	G	.01			.24	1.00				.10	.69	1.75	.46	.01		.09	.95			T.	T.	.19	.61	.03						T.		5.66
				.01		2.27	.09				.13	.74	.50				1.69						1.20	.97	.10								5.52
Central Division																																7.61
Anchorage	O					1.08	.62				.74	.33			.12	1.25			T.		.14	1.07										
Bardstown	S					1.35	.07			.10	.55	.90				1.02			T.			.68	.40									4.75
Bowling Green	G					2.00	T.			.40	1.00	.25				1.60			.05			.80	1.00	.40								5.07
Brandenburg	G					1.64	.30			.25	.76	.65				1.68			.08			1.23	.70	.20								7.50
Burnside	C			T.		1.40	.89			.08	.20	1.15				.94			T.	T.		.35	.82	.32								7.49
Carrollton (Lock No. 1)	O	.03		T.		.46	.15			.08		.76	.04		.73				T.			1.05	.07	.08								6.16
Cloverport	O	.03		.01		.87	.09		T.	.17		.93	.02		.93			T.	T.			.85	.23	.03								3.45
Eubank	C					2.05	.55			.08	.26	.58			.70							.10	.50	.35								4.16
Frankfort	K	T.		T.		.85	.18			.03	.05	1.04		T.	.90			T.	T.			.65	.18	.26								5.17
Franklin	G																															4.16
Glasgow	G																															
Greensburg	G	.02				2.80	.02			.45		.50			2.00							1.12	.50									
High Bridge	K					2.12	.08			.20	.72	.27	.03	.04	1.37			.70		.04	.66	.60	.62									7.39
Irvington	O	T.			T.	1.12	.45				.40	.54			1.05			T.	T.			.45	.12	.45								7.17
Junction City	K					2.10	.20	.01		.29	.55	.56	.01		T. 1.40		.01	.01			.08	1.21	.49							T.		4.58
																						.75	1.30	T.								5.38
Leitchfield	G																															7.19
Lexington ***	K			T.	.01	* 1.33	.02	1.35	T.	.19	1.08	.97	.05	T.	* 1.95	.57		T.		* 1.20	.65										
LOUISVILLE***	O			T.		.14	.79		T.	.10	.97		T.		.46			T.	.07	.68	.37										6.40
Do. (Cherokee Park)	O						.97	.09		.08	.97		T.		1.02	.01		T.		.40	.73	.04										4.65
Pilcher (Dam 45)	O	T.		T			.88	.10		.07	.69	.32	.03		.14	1.05		T.			1.25	.06									4.18
										.10		.98		T.		1.17		T.			1.10	.12									4.67
St. John	S	.04				1.10	.08	T.		.18	.54	.70	T		.08	1.30			.03		.18	.90	.70									4.45
Scott	L	.02		.03	.13	.64	.12			.15	.30	.40			.10	1.01			.01		.01	1.65	.09									5.83
Shelbyville	S					.93	.86			.49	.84	.30	T.		.05	1.60			1.05		1.10		.20									4.66
Taylorsville	S					1.10	.04			.06	.58	.31	T.		.04	1.60			T.		T.	.84	.35									6.92
Williamstown	L					.89	.04				.40	.52	.02		.03	1.20			T.			1.11	.08									4.92
Woodbury	G	.06				1.55	.07			.14	.75	1.50			1.75							1.03	.64	.27								4.29
Eastern Division.																																7.76
Ages	K																															
Ashland	O																															
Beattyville	K					.85	.40	T.			.22	.75		.08	.94				.05			.28	.10	.38								
Berea	K					1.78	.65			.04	.40	.98	.08		.48				.14	.02		.22	.18	.08								4.05
Cynthiana	L	T.			T.	1.96	.22			.16	.64	.38	T.		T.	.79			.01		.02	.47	.42									5.05
Falmouth	L	.02			.02	.90	.35			.10	T.	1.00		T.	1.25				T.		.65	.05	.15	.35								5.07
Farmers	L					.55	.18			.06		.80			1.00				T.	T.		.76	.07	T.								4.80
Jackson	K					1.05	.48			T.	.12	.77			.73					T.		.38	.11	.37								3.46
Louisa	B					1.88	.95			.15	.93	.80			1.19							.24	.80	.16								4.01
						1.08	.45				.12	.85			.55	.03		.05				.08	.25	.48								7.10
Maysville	O	T.		T.		.70	.55			.15	.10	.65		T.	1.02			T.				.55	.38	.38								3.94
Middlesboro	C			.03	.11	1.53	.44			.20	.83	.73			2.08							.67	1.21									4.48
Mount Sterling	L					1.60	T.			.19	.45	.41		.01	T. 1.28							.65										7.83
Oliver	O					.92	.38			.10	T.	.86			.70							.25	.43	.36								4.59
Onconta	O	T.		.09		.61	.20			.20		.48		T.	1.04				T.			1.41	.09	.11								4.04
Pikeville	B					.84	.66				.16	.62			.48	.24		.16					.52	.34								4.23
Richmond	K					1.20	.60			.12	.60	.48	.02		T. 1.04				T.			.43	.38									4.02
Vanceburg	O	.05				.75	.74		.24		.30	.41			.95							.78	.05	.30								4.87
Williamsburg	C			.06	T.	.71	1.56			.03	1.01	1.10		T.	.90	.01		.10	T.		.07	1.07	.40									4.57
																																7.02

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

[] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

$75,000; Daviess, $500,000; Henderson, $200,000; McLean, $40,000; Nelson, $60,000; Montgomery, $25,000; Henry, $20,000; Shelby, $100,000; Clark $100,000; Fayette, $30,000; Larue, $100,000; Hopkins, $100,000; Warren, $100,000; Jefferson, including Louisville and vicinity, $200,000.

Rivers:—Moderately high stages prevailed in the Ohio River during most of the month. It was above flood stage at Evansville from the 14th to 24th, and at Cairo from the 18th to 22d. The Green was also high and frequently above flood stage below Woodbury from the 8th to 25th.

ERRATA: Daily precipitation at Falmouth for March 28, 1921 should be 3.39, instead of 0.39.

Daily Temperatures for March, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	60	74	78	70	55	45	48	50	65	64	62	66	57	50	60	58	50	63	60	50	47	66	65	59	65	60	61	55	63	56	50	59.1
	Minimum	27	44	52	44	42	35	27	28	35	41	40	50	35	31	46	30	20	30	11	16	31	43	35	29	35	32	27	32	25	36	19	33.2
Blandville	Maximum	56	64	69	68	49	46	47	57	64	58	68	68	55	55	69	58	50	60	55	47	45	71	63	60	67	57	59	57	63	53	35	57.8
	Minimum	29	40	48	40	35	36	29	34	39	37	37	47	37	28	47	29	27	28	8	21	35	43	33	33	40	30	27	35	28	31	19	33.1
Calhoun	Maximum	59	73	76	71	47	47	47	54	65	61	54	67	59	53	60	59	54	65	60	51	53	66	65	62	67	66	62	58	66	64	44	59.8
	Minimum	29	43	51	42	38	40	30	32	35	43	42	52	39	34	48	31	26	31	15	20	36	44	36	31	34	33	27	34	28	39	20	34.9
Earlington	Maximum	57	72	75	72	47	46	47	51	65	61	56	68	59	52	67	60	50	64	59	50	52	67	66	60	66	65	65	60	56	64	60	59.2
	Minimum	31	45	55	42	35	37	30	29	36	39	38	52	35	32	47	30	20	36	11	17	36	42	34	30	40	32	24	34	26	39	19	34.0
Greenville	Maximum	58	71	75	74	45	51	49	51	70	66	...	68	65	54	63	...	51	64	64	50	53	66	66	58	66	72	65	61	54	63	63	60.8
	Minimum	26	43	48	39	32	38	26	28	32	38	37	...	...	35	27	...	28	19	29	9	14	34	41	33	26	38	30	22	32	25	39	17	30.5
Hopkinsville	Maximum	59	71	76	65	49	50	48	51	64	59	68	66	62	54	63	60	49	62	58	52	52	65	62	62	66	63	66	60	62	52	40	59.2
	Minimum	29	42	60	46	43	40	30	30	37	37	40	53	39	28	46	33	24	32	12	20	34	44	25	29	36	27	27	37	28	39	19	34.7
Marion	Maximum	52	66	70	73	52	47	43	49	62	64	63	65	60	56	58	60	49	60	61	48	49	67	70	57	62	65	62	60	64	62	50	58.9
	Minimum	29	45	53	45	34	41	28	32	37	40	40	45	40	34	48	28	24	38	9	17	36	41	32	33	41	30	28	33	25	40	18	34.3
Mayfield	Maximum	72	69	67	70	49	50	51	59	63	59	67	68	66	57	61	68	51	60	53	48	49	70	65	61	65	67	60	65	68	65	50	61.1
	Minimum	30	35	51	37	34	37	30	34	39	39	38	37	36	29	48	30	25	29	10	22	27	42	33	31	38	30	24	36	30	36	22	32.9
Owensboro	Maximum	55	71	73	67	46	45	45	49	58	59	53	66	53	61	60	59	60	62	56	52	52	63	62	57	64	63	59	53	62	60	37	57.5
	Minimum	29	40	49	39	35	38	30	31	33	40	40	50	39	31	45	29	24	33	11	18	33	36	34	30	36	30	26	31	27	36	18	32.3
Paducah (Lone Oak)	Maximum	59	70	74	71	51	51	51	57	60	61	59	72	61	57	64	65	53	62	60	50	49	72	70	61	67	68	66	59	64	67	50	61.1
	Minimum	31	45	52	47	36	38	29	35	38	39	39	49	39	29	48	30	27	34	10	22	36	43	34	35	40	31	29	36	30	41	20	35.2
Paducah	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Princeton	Maximum	48	70	72	69	48	48	44	52	63	60	58	66	60	58	61	60	50	60	59	46	47	68	68	59	65	63	60	56	66	59	42	58.2
	Minimum	28	40	49	47	35	39	28	30	34	38	38	50	33	28	47	30	22	29	10	18	31	42	33	28	33	32	24	34	26	36	18	32.6
Russellville§§	Maximum	74	71	75	70	53	54	48	49	65	60	69	67	57	54	64	63	53	64	55	50	57	66	62	61	66	62	60	58	64	61	51	60.7
	Minimum	30	35	49	50	35	36	29	27	32	40	39	43	37	28	41	32	21	29	12	12	24	38	37	29	32	34	25	28	26	40	18	31.9
Central Division.																																	
Anchorage	Maximum	52	71	74	68	48	44	45	48	65	58	50	65	56	47	62	61	49	64	52	48	58	64	62	57	64	49	61	48	61	49	34	55.9
	Minimum	32	37	45	39	36	32	29	23	25	30	29	44	30	31	39	28	18	28	14	14	29	42	30	20	30	30	22	29	22	30	15	29.3
Bardstown	Maximum	54	71	75	71	48	51	46	50	64	60	48	68	59	51	65	63	51	65	62	49	58	65	63	60	64	55	64	52	63	57	46	58 6
	Minimum	32	45	48	40	37	39	31	29	30	42	40	47	35	32	39	32	21	31	15	16	36	45	28	28	32	35	24	34	24	38	17	33.3
Bowling Green	Maximum	59	69	79	71	49	54	51	54	66	65	64	71	64	58	67	63	52	67	59	51	53	66	64	63	69	60	64	57	68	61	49	61.5
	Minimum	32	45	47	44	37	41	30	31	31	38	40	52	40	28	42	33	22	32	14	17	33	45	37	29	33	36	28	36	28	42	19	34.2
Eubank	Maximum	50	69	72	72	58	55	50	46	63	57	53	70	62	54	67	63	53	60	56	52	56	64	60	57	63	57	60	53	63	60	46	58.8
	Minimum	32	40	51	42	32	41	30	26	28	42	39	50	40	28	38	31	19	36	15	13	32	44	38	32	39	36	22	35	24	39	15	32.7
Frankfort	Maximum	49	69	72	70	47	50	43	45	63	62	48	65	64	46	65	64	48	63	62	48	58	64	63	55	62	60	59	58	60	59	41	57.5
	Minimum	34	36	52	47	38	39	32	29	27	41	34	46	38	33	40	32	24	30	17	17	30	46	39	31	30	35	26	32	25	37	18	33.4
Franklin	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Glasgow	Maximum	54	69	75	69	47	56	47	49	64	59	62	69	61	56	65	62	53	63	59	48	54	63	63	59	64	58	59	59	65	57	57	59.5
	Minimum	32	41	51	46	33	42	29	30	43	41	41	50	40	28	40	32	30	37	13	16	34	45	38	30	35	37	26	36	27	43	17	34.9
Greensburg	Maximum	52	70	75	73	49	57	47	48	65	60	56	70	64	53	67	65	52	65	61	50	52	64	64	59	64	61	61	57	64	60	49	59.8
	Minimum	31	37	50	44	31	40	28	27	25	41	38	50	38	29	38	29	18	24	12	12	25	43	36	26	25	35	23	38	22	38	14	31.0
Irvington	Maximum	53	70	73	68	50	46	44	48	64	58	53	66	54	51	62	50	50	62	58	46	57	65	65	57	64	59	59	53	62	56	37	56.8
	Minimum	32	41	51	39	35	35	30	31	33	42	39	45	37	31	40	30	23	34	13	17	37	45	37	32	37	35	27	31	26	37	17	33.5
Junction City	Maximum	60	67	74	72	49	56	45	47	63	59	51	70	60	55	65	63	53	64	57	48	59	62	63	57	63	58	61	53	63	56	49	59.1
	Minimum	30	26	55	44	32	39	31	25	35	39	39	51	32	28	33	32	19	31	14	11	30	44	37	28	27	33	25	32	23	41	15	31.6
Leitchfield	Maximum	53	71	74	67	50	52	46	48	64	58	54	67	59	54	64	60	51	62	55	47	52	64	60	58	64	57	61	50	62	54	38	57.5
	Minimum	30	39	50	40	35	37	29	30	32	41	40	49	40	32	44	30	21	31	12	15	34	44	35	29	32	34	25	32	26	37	18	33.0
Lexington	Maximum	45	67	71	68	44	53	40	43	61	54	64	65	53	47	63	60	51	62	53	46	57	63	61	53	66	52	56	44	58	49	28	53.9
	Minimum	31	41	52	38	35	31	27	26	32	37	37	42	35	30	40	27	25	33	14	14	35	46	33	31	41	32	29	26	23	17	14	31.4
Louisville	Maximum	51	69	71	66	48	43	43	47	63	62	65	61	53	48	62	60	49	62	23	46	56	64	62	57	62	54	59	43	60	51	32	53.9
	Minimum	34	44	54	37	36	36	30	29	33	39	36	42	35	32	43	28	26	23	12	17	40	48	36	24	38	31	30	30	26	20	18	32.8
Do. (Cherokee Park)	Maximum	50	69	72	69	47	47	43	44	63	59	47	64	60	47	61	61	49	63	63	47	54	63	63	56	64	64	59	58	60	61	48	57.3
	Minimum	33	41	52	43	35	38	30	28	29	40	33	44	35	31	40	30	22	20	13	17	36	44	36	31	33	28	30	24	39	17	32.6
St. John	Maximum	54	70	72	68	46	51	48	48	63	61	49	66	63	50	63	60	49	63	55	45	54	63	62	60	63	55	63	51	62	55	38	57.1
	Minimum	31	39	50	40	34	39	30	28	29	41	40	48	33	30	43	29	19	28	12	15	32	43	33	27	30	34	24	30	24	36	16	33.0
Scott	Maximum	47	69	70	62	43	39	39	43	60	57	45	57	53	48	59	55	48	62	55	47	59	61	61	54	61	56	59	51	59	51	30	53.5
	Minimum	32	37	48	40	33	31	27	20	26	38	28	30	35	30	35	29	20	31	16	13	33	43	36	29	35	29	25	27	25	29	14	29.9
Shelbyville	Maximum	50	69	73	69	47	46	45	46	63	57	50	64	57	47	62	59	48	66	54	45	57	62	62	57	62	54	59	52	60	54	38	55.9
	Minimum	32	36	44	38	36	32	29	25	31	36	32	47	34	31	39	27	21	33	14	16	31	43	34	29	34	32	24	29	22	36	15	31.6
Taylorsville	Maximum	50	68	71	69	47	47	41	45	63	59	49	65	60	47	63	61	49	63	58	47	57	64	63	58	59	55	60	56	59	55	33	56.6
	Minimum	33	35	47	43	35	37	31	28	28	40	34	48	35	31	40	31	22	28	15	16	27	43	38	29	30	34	23	32	26	33	17	32.0
Williamstown	Maximum	44	67	73	68	44	40	40	41	60	58	46	60	53	43	61	60	46	62	59	44	60	62	61	52	60	57	56	51	57	53	33	54.1
	Minimum	30	36	47	39	33	34	28	28	24	37	28	39	32	28	34	28	19	31	14	12	32	42	35	27	31	29	24	29	17	32	15	29.3
Eastern Division.																																	
Ages	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Ashland	Maximum	56	68	76	74	60	55	54	43	58	59	47	78	69	55	66	65	50	66	65	47	67	70	69	56	65	65	60	62	60	60	55	61.2
	Minimum	36	38	45	46	38	36	31	21	28	43	38	44	41	34	53	35	28	30	22	29	45	44	34	31	39	25	34	22	38	17	33.7
Beattyville	Maximum	54	74	77	77	70	57	51	48	63	59	48	75	70	55	69	65	56	67	60	50	63	65	63	58	68	66	64	57	66	64	50	62.2
	Minimum	34	27	39	39	35	38	35	26	21	44	40	43	43	35	35	33	21	26	19	14	22	44	42	30	28	36	26	36	22	30	15	31.5
Berea	Maximum	51	70	74	...	...	...	...	...	...	...	...	...	...	...	...	...	...	49	61	57	47	66	61	60	60	58	58	53	52	56	55	42	156.4
	Minimum	32	38	53	46	40	39	31	26	27	42	38	49	40	31	40	34	20	34	16	13	37	45	39	32	31	37	26	33	22	42	15	33.8
Farmers	Maximum	46	70	74	73	52	56	55	52	61	60	51	70	65	56	66	63	51	66	62	58	66	66	64	56	64	63	62	59	58	61	60	60.6
	Minimum	33	27	55	40	36	36	31	20	21	40	30	42	28	32	35	32	20	25	19	14	24	44	39	30	26	33	23	32	22	30	12	30.4
Jackson	Maximum	49	73	77	75	58	57	52	47	57	58	49	76	71	55	67	66	56	68	61	53	67	67	63	58	69	59	63	58	64	65	48	61.5
	Minimum	34	30	47	55	38	39	32	27	25	44	41	45	43	34	36	33	25	30	19	11	23	44	42	34	30	38	29	38	25	25	16	33.5
Maysville	Maximum	46	67	74	70	46	43	43	44	59	55	47	67	57	47	64	63	49	65	62	45	63	65	64	58	64	62	59	49	57	55	33	58.9
	Minimum	34	34	50	45	37	36	30	22	35	40	39	43	36	33	37	32	22	29	19	15	31	42	39	31	31	31	26	31	21	32	11	31.5
Middlesboro	Maximum	50	67	71	76	69	56	50	49	60	58	55	76	74	67	68	63	55	62	60	48	57	62	65	57	63	62	57	65	65	52	61	61.8
	Minimum	32	27	41	56	38	43	33	27	24	45	45	50	48	42	40	33	24	28	18	13	30	42	48	33	28	34	31	42	25	33	17	34.5
Mount Sterling	Maximum	42	68	73	73	44	53	43	40	62	54	46	69	58	45	64	63	49	65	54	45	64	65	60	63	53	58	48	59	60	49	40	55.8
	Minimum	32	36	48	40	36	35	28	23	25	33	33	45	38	30	36	31	21	29	17	13	30	44	39	30	32	32	30	31	29	29	14	31.3
Richmond	Maximum	49	72	76	73	52	50	50	51	64	59	50	72	63	54	67	64	56	68	58	49	61	62	62	51	66	66	57	55	56	48	48	59 0
	Minimum	33	40	48	52	38	39	32	28	30	39	40	48	40	30	40	34	22	29	17	15	35	45	40	31	35	38	27	33	24	26	16	34.3
Williamsburg	Maximum	53	73	77	75	56	56	56	56	62	60	60	79	72	59	68	65	57	63	63	49	61	62	64	60	69	70	64	57	66	66	53	63.3
	Minimum	33	33	51	61	34	41	32	27	27	46	45	54	44	30	40	34	22	29	17	13	25	47	43	31	28	38	34	39	24	37	16	34.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record.

NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., APRIL, 1923. No. 4

UNIVERSITY OF ILL. JUN 4

GENERAL SUMMARY.

During the first two weeks unseasonably cold weather, with frequent frosts, delayed growth, and heavy rains interfered seriously with farm work. Except on warm and well drained soils, pastures, meadows, tobacco plants, and early vegetables made scarcely any growth. Favorable weather after the 15th permitted rapid progress in sowing oats and planting potatoes, but the lateness of the season and pressure of other work caused a reduction in the acreage of these crops. Some corn was planted in the southern counties near the close of the month, but in the main this period of good weather was devoted to preparing the soil. Wheat did not look well at the beginning of the month, but improved steadily and most of the early sown was in fairly good condition at its close. Clover and alfalfa started slowly and became weedy in spots that had been winter killed. Although seriously delayed in time, plowing and planting kept pace with the development of vegetation, which was at least two weeks late.

Fruit trees blossomed very late, peaches, plums, and early pears about the second week; and apples, cherries, and strawberries during the last week. The light bloom of peaches indicated considerable injury from the March freezes, but most other fruits bloomed heavily and promised good crops. Tobacco plant beds, most of which had been frozen, were generally resown in the first week; but the germination was slow and the plants started to grow exceptionally late. In favorably located beds that escaped the freezes the plants were up early in the month. Much clover was reseeded during the first two weeks. The prevailing low temperature and ample moisture of the surface soil resulted in satisfactory germination and a good stand of this late sowing. The last killing frost occured generally over the State on the 18th.

TEMPERATURE.

The average temperature for the month, 40 stations reporting, was 54.8°, which is 1.1° below normal. Temperatures of freezing or lower occurred somewhere in the State on 10 or more of the first 18 days, but the dormant condition of vegetation precluded any damage of consequence. Brief spells of moderately warm weather alternated with short periods of abnormally low temperature until the 18th, after which conditions were more seasonable and daily mean temperatures were generally above normal. Extremes at the various stations ranged between 90° at Hopkinsville on the 22d and at Lone Oak on the 23d, and 13° at Beattyville and Farmers on the 1st.

PRECIPITATION.

The average precipitation for the month, based on reports from 55 stations, was 4.88 inches, which is 0.94 inch above normal. Light showers occurred on the 8th, light to moderate rains from the 3rd to 5th, and moderate to heavy rains in the periods, 12-14th and 27-29th. In a broad belt running northeast-southwest from Lewis and Greenup to Fulton and Hickman counties, the total precipitation ranged between 5.0 and 7.0 inches. Northwest of this district, near the Ohio River, amounts were near 4.0 inches; while to the southeast in the south-central counties and the mountain region they ranged between 3.0 and 4.5 inches. At the various stations monthly totals varied between 2.96 at Jackson, and 6.79 inches at Taylorsville. Snow flurries were reported from only two stations. Thunderstorms occurred on the 4th, 5th, 7th, 8th, 13th, 14th, 21st 23d, 27th and 28th.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.99	30.54	1	29.51	21	6797	9.4	38	sw.	21
Cincinnati ..... Ohio	30.00	30.65	1	29.54	5	6845	9.5	38	sw.	22
Evansville ..... Ind.	30.01	30.59	1	29.55	5	8525	11.8	47	sw.	21
Lexington ..... Ky.	30.02	30.63	1	29.60	5	10103	14.0	54	s.	21
Louisville ..... Ky.	30.02	30.64	1	29.50	5	8940	12.4	48	sw.	21

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	70	47	52	262.0	394.8	74	16	2
Cincinnati ..... Ohio.	72	56	58	242.8	397.4	61	13	5
Evansville ..... Ind.	69	47	54	246.0	396.1	62	12	3
Lexington ..... Ky.	72	55	.....	237.6	396.1	60	14	7
Louisville ..... Ky.	67	48	48	238.0	396.1	60	15	9

COMPARATIVE DATA FOR APRIL.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with 0.01 in. or more rain.
1889	57.0	+ 1.1	89	24	1.61	−2.33	..
1890	57.0	+ 1.1	92	28	4.04	+0.10	..
1891	58.0	+ 2.1	92	24	2.52	−1.42	..
1892	56.0	+ 0.1	88	22	7.12	+3.18	..
1893	58.0	+ 2.1	94	21	6.99	+3.05	..
1894	56.0	+ 0.1	94	23	3.54	−0.40	..
1895	57.2	+ 1.3	94	22	3.18	−0.76	9
1896	63.6	+ 7.7	96	24	1.65	−2.29	6
1897	55.5	− 0.4	90	25	6.03	+2.09	11
1898	52.4	− 2.5	86	19	3.38	−0.56	9
1899	57.2	+ 1.3	96	20	3.16	−0.78	9
1900	56.2	+ 0.3	90	15	2.15	−1.79	8
1901	50.9	− 5.0	91	23	4.01	+0.07	10
1902	54.2	− 1.7	93	22	2.65	−1.29	9
1903	55.4	− 0.5	90	22	4.43	+0.49	12
1904	50.8	− 5.1	85	16	2.83	−1.11	11
1905	56.7	+ 0.8	91	23	3.00	−0.94	9
1906	59.5	+ 3.6	94	23	3.40	−2.54	6
1907	48.2	− 7.7	87	19	2.78	−1.16	11
1908	59.8	+ 3.9	89	23	6.56	+2.62	14
1909	56.1	+ 0.2	96	21	5.98	+2.04	10
1910	55.4	− 0.5	88	23	5.14	+1.20	14
1911	53.8	− 2.1	90	20	7.06	+3.12	14
1912	58.4	+ 2.5	87	25	7.90	+3.96	12
1913	55.3	− 0.6	89	27	2.73	−1.21	10
1914	55.7	− 0.2	91	13	3.62	−0.32	10
1915	60.1	+ 4.2	96	17	0.96	−2.98	5
1916	54.0	− 1.9	89	23	2.64	−1.30	9
1917	55.8	− 0.1	90	19	5.02	+1.08	8
1918	53.9	− 2.0	87	25	4.07	+0.13	12
1919	56.7	+ 0.8	89	19	3.51	−0.43	10
1920	50.8	− 5.1	89	22	6.16	+2.22	13
1921	58.2	+ 2.3	90	22	4.09	+0.15	0
1922	59.5	+ 3.6	88	25	4.25	+0.31	10
1923	54.8	− 1.1	90	13	4.88	+0.94	9

Climatological Data for April, 1923.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	19	55.8	− 0.1	85	27	20	1	38	3.77	−0.35	0.90	0	9	22	4	4	w.	Miss Addie B. Taylor
Blandville	Ballard	445	41	56.2	− 1.2	82	23	24	1	32	5.44	+0.91	2.41	0	8	10	12	8	sw.	E. W. Horr.
Calhoun	McLean	437	19	56.8	− 1.2	84	22†	24	1	40	4.16	−0.43	1.37	0	9	10	15	5	nw.	W. A. Taylor.
Earlington	Hopkins	420	32	56.3	− 1.0	85	27	21	1	40	4.75	+0.38	1.55	0	8	20	3	7	s.	Brick Southworth.
Greenville	Muhlenburg	519	6	56.8	.....	85	23	18	1	47	5.63	.....	1.60	.....	11	18	8	4	s.	C. R. Lovell.
																				W. W. Shelby.
Henderson	Henderson	327	14	.....	.....	.....	.....	.....	.....	.....	4.29	−0.65	1.20	0	9	.....	.....	.....	.....	W. E. Graves.
Hopkinsville	Christian	524	26	58.4	+ 1.6	90	22	23	1	46	5.57	+1.22	1.19	0	10	14	4	12	sw.	B. C. Paris.
Marion	Crittenden	571	24	57.2	− 0.1	82	23†	22	1	42	5.29	+0.71	1.75	0	7	14	7	9	nw.	N. E. Douthit.
Mayfield	Graves	364	11	56.4	− 0.8	83	30	20	1	40	5.27	+0.72	1.16	0	8	18	8	4	s.	Henry S. Berry.
Owensboro	Daviess	479	26	54.4	− 0.8	81	27	22	1	34	4.18	+0.08	1.25	0	11	17	4	9	s.	
																				J. W. Lilley.
Paducah(Lone Oak)	McCracken	516	5	58.7	.....	90	23	25	1	40	6.25	.....	2.00	0	8	21	6	3	s.	Frank L. Brown.
Paducah	McCracken	341	34	.....	.....	.....	.....	.....	.....	.....	5.54	+1.21	1.70	0	7	.....	.....	.....	.....	Dr. W. L. Cash.
Princeton	Caldwell	529	12	55.6	− 2.5	84	22†	20	1	41	4.82	+0.82	1.48	T.	11	12	10	8	s.	E. C. Shelton.
Russellville	Logan	590	9	54.8	− 3.0	83	27	21	1	40	3.56	−1.47	0.96	0	9	13	9	8	s.	
Central Division.																				
Anchorage	Jefferson	700	22	52.0	− 1.2	85	27	17	1	39	3.91	−0.09	1.76	0	6	20	1	9	w.	C. E. Barret.
Bardstown	Nelson	637	26	53.0	− 0.3	84	27	20	1	41	5.38	+1.51	1.40	0	9	16	1	13	s.	Chas. M. Talbott.
Bowling Green	Warren	500	32	58.0	− 0.1	89	27	19	1	42	5.49	+1.23	1.19	0	9	12	5	13	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	5	.....	.....	.....	.....	.....	.....	.....	5.43	.....	1.22	0	10	.....	.....	.....	.....	James H. Young.
Burnside	Pulaski	773	30	.....	.....	.....	.....	.....	.....	.....	3.46	−0.74	0.74	0	10	.....	.....	.....	.....	F. E. Bradshaw.
																				Charlie Oliver.
Carrollton(Lock No.1)	Carroll	422	23	.....	.....	.....	.....	.....	.....	.....	3.88	+0.70	1.38	.....	10	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	375	9	.....	.....	.....	.....	.....	.....	.....	4.07	+0.02	1.53	0	10	.....	.....	.....	.....	Mrs. Katie Payne.
Eubank	Pulaski	1177	28	54.0	− 0.3	84	23	16	1	41	4.22	+0.17	1.04	0	10	11	7	12	s.	Sidney Wood.
Frankfort	Franklin	560	29	54.8	− 0.5	81	27	21	1	39	6.13	+2.40	1.51	0	10	19	3	8	s.	
Franklin	Simpson	691	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glasgow	Barren	780	1	56.2	.....	82	27	20	1	38	3.77	.....	1.00	0	8	16	5	9	s.	Dr. Fidella Edwards.
Greensburg	Green	581	30	53.3	− 1.9	82	27	15	1	45	4.93	+1.08	1.89	0	13	9	4	17	sw.	Mrs. Bettie K. H. Alcorn
High Bridge	Jessamine	550	20	.....	.....	.....	.....	.....	.....	.....	4.14	+0.38	0.98	0	10	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	25	55.2	− 0.3	82	27	22	1	30	4.14	+0.12	1.70	T.	8	17	4	9	w.	W. J. Piggott.
Junction City	Boyle	985	29	53.0	− 1.5	82	27	15	1	46	5.80	+1.86	1.60	0	9	17	8	5	s.	William E. Grubbs.
Leitchfield	Grayson	635	27	54.9	− 0.5	83	27	21	1	44	4.54	+0.46	2.55	0	6	16	6	8	nw.	John E. Stone.
Lexington	Fayette	989	35	53.3	− 0.4	80	27	20	1	34	5.43	+2.09	2.39	0	12	11	9	10	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	50	54.6	− 1.8	85	27	22	1	30	4.53	+0.46	2.16	0	11	12	9	9	s.	U. S. Weather Bureau.
Do.(Cherokee Park)	Do.	534	13	54.9	− 1.0	84	27	21	1	39	4.70	+0.42	1.96	0	8	12	11	7	s.	Wm. I. Hunt.
Pilcher (Dam 43)	Meade	363	0	.....	.....	.....	.....	.....	.....	.....	5.88	.....	1.66	0	11	.....	.....	.....	.....	W. D. Farnsley.
St. John	Hardin	777	26	53.5	− 0.9	84	27	19	1	42	5.28	+1.41	1.40	0	11	20	2	8	.....	Sisters of Loretto.
Scott¶	Kenton	900	25	52.2	− 0.9	82	27	15	1	36	4.59	+1.41	2.00	0	9	10	10	10	sw.	E. B. Wilson.
Shelbyville	Shelby	825	32	53.0	− 1.7	82	27	18	1	38	6.42	+2.70	1.52	0	11	14	6	10	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	20	52.8	− 1.7	81	27	20	1	39	6.79	+2.42	2.91	0	9	17	6	7	sw.	E. D. Bourne.
Williamstown	Grant	943	19	51.6	− 1.2	81	27	14	1	38	6.67	+3.34	1.84	0	11	15	7	8	nw.	Mrs. E. S. Humlong.
Woodbury	Butler	533	5	.....	.....	.....	.....	.....	.....	.....	5.33	.....	1.47	0	10	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ages	Harlan	1265	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ashland	Boyd	534	4	54.8	.....	83	27	25	1†	44	4.65	.....	1.40	0	8	19	1	10	nw.	W. B. Shaw.
Beattyville	Lee	650	18	54.5	0.0	84	27	13	1	46	3.01	−1.14	0.80	0	8	5	9	16	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	[c]53.8	− 1.5	[f]76	27	18	1	[f]34	3.30	−0.39	0.99	0	9	13	7	10	sw.	Frank Montgomery.
Cynthiana	Harrison	684	5	.....	.....	.....	.....	.....	.....	.....	6.60	.....	2.30	0	7	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	34	.....	.....	.....	.....	.....	.....	.....	6.35	+2.88	1.58	0	11	17	4	9	s.	J. V. Oldham.
Farmers	Rowan	668	13	53.0	− 1.4	82	20†	13	1	48	5.06	+1.06	1.85	0	7	13	8	9	ne.	Chas. Folsom.
Jackson	Breathitt	776	9	[c]54.0	.....	82[c]	20	17[c]	1	45[c]	2.96	−0.56	0.93	0	6	13[c]	5[c]	5[c]	w.	Mrs. Edna Tinsley.
Louisa	Lawrence	584	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Dan. Fortune.
																				T. D. Snyder.
Maysville	Mason	524	25	54.1	+ 0.5	84	27	16	1	41	5.91	+2.48	1.58	0	9	14	4	12	w.	Harry M. Robinson.
Middlesboro	Bell	1128	25	55.2	− 1.0	84	23	16	1	44	4.46	−0.33	1.08	0	9	20	8	2	.....	B. H. Perkins.
Mount Sterling	Montgomery	930	33	53.2	− 0.4	81	27	18	1	41	6.32	+2.40	1.76	0	10	16	7	7	w.	W. R. McKee.
Oliver	Greenup	540	3	.....	.....	.....	.....	.....	.....	.....	5.23	.....	2.01	0	8	.....	.....	.....	.....	Chas. Folsom.
Oneonta	Campbell	443	1	.....	.....	.....	.....	.....	.....	.....	5.03	.....	1.05	0	11	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	17	.....	.....	.....	.....	.....	.....	.....	3.18	−0.43	1.10	0	8	.....	.....	.....	.....	I. M. Williams.
Richmond	Madison	926	28	55.0	− 0.5	78	27	17	1	42	4.00	+0.39	1.02	0	8	17	0	13	.....	J. W. Crooke.
Vanceburg	Lewis	525	6	.....	.....	.....	.....	.....	.....	.....	5.35	.....	2.00	0	7	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	939	25	56.4	+ 0.7	85	23	16	1	43	3.82	−0.58	1.17	0	10	16	8	6	nw.	Mrs. Ruth Inman.
State averages and extremes		.....	.....	54.8	.....	90	22†	13	1	48	4.88	.....	2.91	0	9	15	6	9	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, [a], [b], [c], appearing in the table indicate number of days missing: for example, b represents two days, etc.
† Also on other dates. [f] Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.
¶ Post-office address, Covington, Ky.

Daily Precipitation for April, 1923.

Stations.	Day of month.																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam ‖ G			.11	.55	.55			.10					.90	.70							.08							.40	.38			3.77
Blandville M			.37	2.41	T.		.13	T.				.84	.18	T.						.03											5.44
Calhoun G			.51	.46	.39			.18				T.	1.37	.32				.04			.02	T.					.49	.99			4.16
Earlington ‖ G			.22	.68	.55			.07					1.55	.39	T.			T.			T.							.87			4.75
Greenville G			.28	.84	.50			.09				.02	1.58	.45			.03				.09		.15					1.60			5.63
Henderson† O			.30	.50	.22			.30					1.20	.72							.05							.75	.25			4.29
Hopkinsville ‖ C			.36	.51	.81			.21					1.19	.76							.16							.30	.25			5.57
Marion O			.25	1.17	.23			.28					1.75	.24							T.		T.	1.02				1.37				5.29
Mayfield M			.38	.71	.92			.20				.60	.90														.40	1.16				5.27
Owensboro ‖ O			.23	.90	.37	.03		.16					1.25	.35				.04			T.	T.		.09				.36	.40			4.18
Paducah (Lone Oak) O				2.00	.45			.10				.50	1.00								.30											6.25
Paducah ‖ O			.48	.94	.76			.14					1.40	T.							T.						.30	1.60				5.54
Princeton G			.36	.79	.35			.12				.12	1.48	.05							.01		.01				1.70	.12				4.82
Russellville ‖ G				.43	.73			.09					.96	.28							.10			.64			.19	1.34				3.56
Central Division.																																
Anchorage O			.31		.41								1.76	.25			T.											.92				3.91
Bardstown ‖ S				.14	1.38			.07					1.09	1.40	.10								.26									5.38
Bowling Green ‖ G			.30	1.00	1.00								1.19	.90							.10			.13				.25	.82			5.49
Brownsville ‖ G			.38	.55	1.08			.22					1.22	.62							.08			.10				.50	.40			5.43
Burnside ‖ C			T.	.18	.74	.04		.15					.56	.70	.14						T.			.30				.29	.69			3.46
Carrollton ‖ (Lock No. 1) O			.03	.25	.97	.02		.05					1.38	.48	T.									.07				.38	.50			
Cloverport ‖ O			.06	.68	.60	T.		.18					1.53	.47	.09									.04				.31	.35			3.88
Eubank ‖ C			.08	.10	.77	.10		.06					1.04	.77	.05									.02				.36	.08			4.07
Frankfort ‖ K			.08	.23	1.51			.10					1.32	1.26	.20			T.										.50	.75			4.22
Franklin G																								.14				.93	.36			6.13
Glasgow G			.48	.48	1.00			.03					.85	.40										.08				.45				3.77
Greensburg ‖ G			.12	.14	1.89	.03		.03					.95	.51	.10						.08	.05		.23				.05	.75			4.93
High Bridge ‖ K			.10	.24	.98			.09					.91	.74	.25									.10				.08	.65			4.14
Irvington O			.30	.40	.42			.13				T.	1.70	.30			T.				T.		.07					.82				4.14
Junction City K				.85	.50			.11					1.60	1.17	T		.08				.22		.32				T.	.95				5.80
Leitchfield G			.33	.62				.11				T.	2.55								T						*	.93				4.54
Lexington *** K			.46	.68	.59			.08				.05	2.39	.17			.04				.05		.11				.02	.79				5.43
LOUISVILLE*** O			.20	.64	.35		.07		T.			.15	2.04	.04			.02				T		.18				.07	.77				4.53
Do. (Cherokee Park) O			.27	.70	.39			.05					1.96	.27			T.				T.		.16					.90				4.70
Pilcher (Dam 43) ‖ O			.16	.22	.90	T.		.10					1.66	1.20	.38			.10			T.	T.		.20				.58	.38			5.68
St. John ‖ S			.02	.34	1.10			.10					1.40	.95	.11						T.	.08		.01				.75	.42			5.28
Scott L			.28	.65	.40			.10		T.			2.00	.37	.04		T.				.33		T.					.42				4.59
Shelbyville ‖ S			.10	.30	1.25			.10					1.30	1.52				.02				.14		.40				.95	.34			6.42
Taylorsville S			.34	.44	.74		.16						2.91	.44			T.				.40		.23				T	1.13				6.79
Williamstown ‖ L			.07	.54	1.15			.08					1.40	1.84	.05			T.				.20		.04				.92	.38			6.67
Woodbury ‖ G			.32	.39	.68			.21					1.47	.94							.06			.06				.50	.70			5.33
Eastern Division.																																
Ages K																																
Ashland ‖ O				.14	.40			.04					1.20	1.05	.32													.10	1.40				4.65
Beattyville ‖ K				.08	.64	.07		T.					.78	.44	.19							T.		.01				T.	.80				3.01
Berea K			.04	.16	.43			.05				T.	.96	.39	T.							.17					T.	.99	T.			3.30
Cynthiana ‖ L			T.	.40	1.20	T.		.05	T.				1.60	2.30		T.		T.			T			T.		T.	.65	.40				6.60
Falmouth ‖ L			.14	.52	1.07			.06					.99	1.58	.07			.07			.41							.58	.90				6.35
Farmers ‖ L			.10	.80		.08		T.					1.05	1.03	.15													1.85	T.				5.06
Jackson ‖ K				.01	.93	T.							.61	.66	T.													.25	.50				2.96
Louisa ‖ B																																
Maysville ‖ O			.08	.40	1.38	T.		T.					1.35	1.58	.10	T.		T.			.12		T.					.58	.32				5.91
Middlesboro C			.28	.50	.41			.05					.82	1.08														1.05	.15				4.46
Mount Sterling ‖ L			T.	.36	.95	T.		.12					1.01	1.42	.18							.12						20	1.76				6.32
Oliver ‖ O				.14	.53	.06							1.33	2.01	.25						.30		.02					40	.51				5.23
Oneonta ‖ O			.15	.28	1.04	.02		.09					.96	.78				.15						.24				1.05	.27				5.03
Pikeville B					.42	.12		.08					.42	.24	.62													.18	1.10				3.18
Richmond ‖ K			T.	.10	.72								1.00	.76	.09						.10			.21				T.	1.02				4.00
Vanceburg ‖ K				.10	.94								1.24	2.00	.27													.30	.50				5.35
Williamsburg ‖ C			T.	.17	.67	.13		.07					.30	.89	.04						T.			.17				.21	1.17				3.82

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

Daily Temperatures for April, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	54	63	62	62	61	64	74	67	51	64	76	73	71	70	63	59	58	59	75	77	70	80	80	76	67	76	85	72	69	79	..	68.6
	Minimum	20	40	50	53	50	28	39	35	24	31	38	43	54	40	36	34	39	31	40	49	60	49	54	57	44	43	51	62	49	44	..	42.9
Blandville	Maximum	52	62	64	61	58	63	78	45	55	66	73	65	69	59	66	56	58	65	72	74	69	81	82	70	65	77	79	65	73	77	..	66.6
	Minimum	24	40	49	51	40	34	48	33	30	39	47	51	55	41	43	37	37	37	44	51	55	49	60	60	48	49	58	56	51	54	..	45.7
Calhoun	Maximum	56	67	63	63	58	66	80	74	60	66	76	74	74	60	66	56	60	67	77	78	72	84	84	76	69	75	84	77	70	80	..	70.4
	Minimum	24	39	51	51	40	30	40	35	29	34	39	47	54	41	38	35	37	34	38	47	60	47	55	57	45	49	58	56	51	48	..	43.3
Earlington	Maximum	58	65	68	63	58	63	76	74	57	65	75	72	73	61	65	68	60	65	75	77	75	83	84	77	70	79	85	69	71	80	..	69.7
	Minimum	21	41	50	52	40	28	42	34	25	32	37	43	53	42	38	33	35	31	40	52	59	52	56	58	46	46	53	58	47	45	..	42.9
Greenville	Maximum	54	63	64	72	60	64	76	80	56	66	74	75	73	75	67	70	61	64	74	83	74	83	85	76	71	80	84	80	74	80	..	71.9
	Minimum	18	39	49	52	39	27	42	33	32	36	36	48	52	41	35	32	34	31	39	51	60	47	55	57	46	41	52	57	47	43	..	41.7
Hopkinsville	Maximum	58	66	64	66	60	66	78	73	60	70	80	75	78	65	70	67	64	68	79	81	75	90	79	74	74	85	89	75	74	81	..	72.8
	Minimum	23	37	49	54	42	29	41	36	27	34	42	52	54	43	40	33	39	33	36	47	58	44	58	59	47	49	54	60	50	46	..	43.9
Marion	Maximum	46	61	64	65	62	56	72	75	55	66	73	74	70	73	63	65	59	60	73	74	78	79	82	74	72	79	82	82	69	76	..	69.3
	Minimum	22	41	49	50	40	34	45	33	30	39	47	48	53	39	41	37	37	34	45	54	57	50	59	58	46	50	57	58	49	53	..	45.2
Mayfield	Maximum	60	63	64	63	64	72	70	63	58	70	74	69	70	67	69	66	70	71	73	76	73	81	82	75	80	81	80	79	80	83	..	71.5
	Minimum	20	24	50	40	39	35	33	29	27	36	40	39	40	35	37	38	35	38	44	53	56	48	58	59	47	48	47	47	50	51	..	41.4
Owensboro	Maximum	52	64	64	58	57	61	68	61	54	63	72	73	71	55	62	54	55	62	73	75	69	78	79	75	69	77	81	69	69	78	..	66.4
	Minimum	22	36	48	48	46	28	42	34	28	37	40	45	52	42	38	33	36	32	39	48	57	46	54	54	46	46	52	56	47	44	..	42.6
Paducah (Lone Oak)	Maximum	55	68	65	66	66	66	76	74	55	71	75	71	75	68	66	61	60	67	75	79	75	84	90	85	72	82	84	69	75	81	..	71.9
	Minimum	25	40	51	50	41	32	47	34	30	37	46	51	50	42	45	36	38	34	44	52	57	50	58	62	46	49	55	60	50	52	..	45.5
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	53	64	64	62	60	65	73	70	52	64	75	71	68	62	64	55	53	62	75	79	69	84	81	77	66	81	84	65	70	76	..	68.1
	Minimum	20	35	50	52	40	28	41	34	26	33	37	49	54	41	39	34	37	33	36	46	58	43	56	59	47	50	57	59	49	48	..	43.0
Russellville§§	Maximum	56	62	62	63	50	64	74	42	53	65	73	71	73	64	66	68	58	63	75	77	74	84	83	76	72	82	84	69	75	81	..	67.8
	Minimum	21	28	44	53	49	28	35	35	24	32	33	46	53	43	38	34	36	32	37	48	54	49	56	58	45	46	49	55	51	45	..	41.9
Central Division.																																	
Anchorage	Maximum	51	56	60	58	56	61	74	66	54	63	73	75	58	52	65	51	55	64	75	78	73	78	61	68	68	76	85	69	71	76	..	65.7
	Minimum	17	31	41	48	33	26	36	32	22	30	38	42	52	39	34	30	29	26	36	42	55	52	48	51	38	43	46	52	42	39	..	38.3
Bardstown	Maximum	54	66	60	64	58	64	75	71	56	66	75	76	68	53	66	56	58	65	75	79	75	80	78	69	74	76	84	71	72	77	..	68.4
	Minimum	20	35	49	55	41	28	39	36	25	33	34	43	52	45	37	33	31	30	39	46	59	53	51	50	39	44	51	57	49	42	..	41.5
Bowling Green	Maximum	58	67	63	65	63	66	77	68	60	68	77	74	74	69	70	63	60	67	80	80	73	87	83	76	74	83	89	75	74	82	..	72.2
	Minimum	19	37	49	55	43	30	36	37	27	34	35	45	54	46	39	36	38	34	41	47	57	49	58	58	45	48	55	61	52	46	..	43.7
Bonnieville	Maximum	52	66	59	61	61	64	75	60	59	65	71	75	70	62	63	54	54	63	73	79	73	77	84	68	65	76	81	76	69	74	..	67.7
	Minimum	16	34	47	55	41	30	34	34	22	25	32	40	51	45	36	30	32	28	39	47	59	50	49	51	39	48	57	58	51	40	..	40.3
Eubank	Maximum	49	65	64	64	63	59	74	72	51	62	70	74	72	57	63	59	58	62	72	77	76	76	75	66	66	74	81	80	70	73	..	67.5
	Minimum	21	31	48	54	43	32	35	35	27	34	53	42	53	45	40	35	31	31	40	43	63	53	54	50	43	49	60	58	46	43	..	42.1
Frankfort	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Franklin	Maximum	54	64	60	61	59	64	68	73	57	65	72	73	69	66	67	59	57	63	74	77	73	81	78	73	70	80	82	75	72	79	..	68.8
	Minimum	20	38	51	51	41	30	38	35	26	35	45	49	54	44	38	35	38	33	42	53	60	54	56	57	43	47	55	59	52	45	..	43.7
Glasgow	Maximum	54	66	61	63	61	63	75	72	56	64	72	74	71	69	66	63	56	63	74	78	75	80	78	72	67	77	82	77	71	76	..	69.2
	Minimum	15	22	47	54	40	22	30	32	22	28	28	34	50	42	30	29	30	27	32	38	55	47	47	51	39	40	45	57	49	39	..	37.4
Greensburg	Maximum	52	64	62	65	55	61	73	64	55	63	72	72	71	52	64	56	53	62	72	77	73	77	77	67	68	74	82	74	69	75	..	66.7
	Minimum	22	40	50	55	41	31	43	34	28	36	45	46	44	41	37	32	33	35	42	52	57	50	56	51	45	53	54	56	48	46	..	43.7
Irvington	Maximum	51	65	60	63	63	62	74	70	55	60	74	72	70	62	64	64	55	62	74	78	76	79	76	70	68	77	82	77	70	65	..	67.9
	Minimum	15	26	45	47	41	32	28	30	21	38	40	43	45	43	35	32	33	33	43	43	40	45	47	40	31	42	45	55	47	50	..	38.2
Junction City	Maximum	52	64	60	60	55	63	74	66	59	64	74	74	68	60	65	57	55	62	74	76	71	79	78	70	68	77	83	74	70	77	..	68.0
	Minimum	21	36	49	53	39	30	37	34	25	32	36	45	52	40	35	34	35	40	42	57	58	48	54	53	43	46	53	56	49	44	..	41.8
Leitchfield	Maximum	50	64	58	62	55	59	72	65	51	58	68	73	67	49	60	48	51	59	69	76	71	74	74	62	63	73	80	73	67	69	..	63.3
	Minimum	20	36	50	47	39	34	45	31	30	41	43	42	49	40	38	35	37	38	45	54	54	52	56	47	40	48	58	52	48	52	..	43.3
Lexington	Maximum	49	64	60	58	53	61	73	59	53	61	72	73	56	48	62	50	54	63	73	77	72	77	77	67	67	78	85	61	70	76	..	64.6
	Minimum	22	40	52	46	38	30	44	33	31	42	43	43	48	39	37	38	38	39	50	57	57	54	55	50	46	50	57	54	51	49	..	44.6
Louisville	Maximum	51	63	64	61	53	63	74	73	58	61	72	74	72	56	63	64	53	64	77	79	76	78	77	67	67	78	84	81	70	75	..	67.9
	Minimum	21	37	50	51	44	36	38	34	27	35	36	40	52	41	36	34	33	33	42	46	60	52	53	48	41	45	56	56	47	44	..	41.9
Do (Cherokee Park)	Maximum	50	63	60	62	55	60	72	67	53	65	75	73	65	46	66	57	56	65	73	75	71	80	75	68	66	76	84	74	73	78	..	66.8
	Minimum	19	32	49	49	40	28	38	33	24	31	33	42	51	40	38	32	30	31	36	45	57	50	50	41	45	52	55	48	42	40	..	40.2
St. John	Maximum	46	64	58	57	54	61	72	67	54	58	70	73	65	50	60	50	54	64	73	77	70	75	68	63	66	75	82	73	68	75	..	64.7
	Minimum	15	34	47	43	38	30	39	31	26	34	37	39	49	38	37	36	32	31	42	49	56	49	50	45	41	45	51	48	40	42	..	39.7
Scott	Maximum	48	66	59	60	57	59	72	66	53	62	73	73	66	54	63	52	56	63	73	76	73	77	69	66	66	75	82	73	68	75	..	66.1
	Minimum	18	34	45	51	40	28	38	38	25	34	36	40	51	41	36	31	31	30	38	46	58	48	51	46	38	45	50	54	44	43	..	40.0
Shelbyville	Maximum	50	66	61	62	55	59	73	67	52	62	71	73	65	55	64	55	55	62	72	77	71	75	71	65	71	78	81	78	73	78	..	69.4
	Minimum	20	39	47	49	34	32	34	34	26	32	34	40	52	43	37	33	30	29	35	40	59	52	48	50	39	43	48	56	47	41	..	39.7
Taylorsville	Maximum	46	64	62	60	59	58	72	68	50	57	69	72	67	51	60	51	52	61	71	77	73	76	71	65	71	78	81	78	73	76	..	64.7
	Minimum	14	33	46	46	37	29	36	30	24	32	36	35	48	39	36	33	31	28	40	46	57	50	49	41	36	42	49	51	42	41	..	38.4
Williamstown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Eastern Division.																																	
Ages	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Ashland	Maximum	46	68	68	69	68	63	78	78	52	61	73	75	73	60	66	60	56	64	73	82	79	74	74	69	66	73	83	75	68	73	..	68.9
	Minimum	25	28	42	50	54	34	38	34	25	33	32	38	44	43	43	41	35	32	40	42	47	51	54	44	40	42	52	56	46	45	..	40.6
Beattyville	Maximum	54	68	63	63	64	66	76	72	58	65	74	77	74	69	67	64	64	66	72	78	81	76	80	68	70	72	82	84	71	74	..	70.6
	Minimum	13	22	35	50	47	40	30	36	25	30	29	34	52	50	37	33	30	32	33	36	47	42	47	50	40	40	41	60	50	40	..	38.4
Berea	Maximum	..	62	66	59	58	59	70	69	..	..	..	..	78	68	66	..	..	54	65	72	72	69	68	64	61	75	76	75	67	70	..	66.0
	Minimum	18	32	52	57	43	33	37	35	24	32	34	40	52	46	38	36	30	36	43	53	60	53	51	50	38	43	45	56	49	42	..	41.7
Farmers	Maximum	49	67	64	65	61	60	77	74	60	62	72	77	73	62	64	64	56	62	73	82	79	76	75	70	70	79	82	75	67	73	..	69.1
	Minimum	13	23	35	49	45	34	29	35	22	25	28	33	51	48	37	37	27	28	33	35	45	51	51	45	32	39	39	57	47	38	..	37.0
Jackson	Maximum	53	70	65	65	67	65	78	73	58	65	75	78	71	68	67	62	55	62	76	82	80	79	80	..	..	..	..	..	..	..	..	.....
	Minimum	17	26	38	45	47	40	33	36	27	32	31	37	58	53	39	37	34	31	35	39	49	50	49	..	..	..	..	..	..	..	..	.....
Maysville	Maximum	50	65	60	66	64	62	74	68	52	61	73	77	66	53	63	60	56	64	74	80	78	78	69	67	67	75	84	71	69	74	..	67.3
	Minimum	16	30	44	54	43	36	34	36	26	33	32	40	53	41	41	36	32	32	41	46	55	52	52	46	43	48	54	56	49	44	..	40.9
Middlesboro	Maximum	54	65	61	60	67	65	75	73	59	67	72	75	70	65	66	63	58	62	75	78	77	80	84	76	73	79	80	78	73	76	..	69.9
	Minimum	16	29	42	56	50	40	31	38	32	31	31	35	52	53	36	37	39	33	35	37	57	47	45	42	39	45	61	42	42	42	..	40.5
Mount Sterling	Maximum	49	66	66	64	62	59	75	66	51	62	71	75	69	54	63	60	55	60	72	79	76	75	72	65	64	73	81	67	67	71	..	66.1
	Minimum	18	32	44	53	42	35	34	34	24	34	32	39	51	44	38	35	31	30	40	47	47	49	53	47	37	47	46	57	47	42	..	40.3
Richmond	Maximum	59	69	69	69	68	64	71	71	51	62	72	75	70	60	63	56	53	60	72	77	74	77	70	66	65	74	78	76	70	72	..	66.5
	Minimum	17	37	50	57	43	35	40	35	26	35	40	45	53	47	38	36	34	33	43	50	54	50	49	40	46	52	58	50	46	43	..	43.4
Williamsburg	Maximum	55	65	64	64	64	70	66	77	54	59	69	73	72	68	70	64	57	63	78	80	79	82	85	77	70	80	84	75	70	77	..	71.1
	Minimum	16	27	48	55	49	39	51	38	31	30	32	39	52	51	36	34	37	32	36	40	61	49	40	54	40	40	47	60	53	42	..	41.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

.. .. note indicate respectively 1, 2, 3 etc., days missing from record.

MISCELLANEOUS.

Rivers:—The Ohio declined to moderate stages from the 1st to 5th. A sharp rise followed the heavy rains of the 13th, continuing until the 18th, but flood stages were not reached at any station. It fell rapidly to moderate stages during the last decade. The middle and lower Green reached stages slightly under flood in the period, 15-19th.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., MAY, 1923. No. 5

GENERAL SUMMARY.

Continued cold weather, lack of sunshine, and damaging frosts rendered the month decidedly unfavorable for the growth of most crops. For a period of three weeks daily mean temperatures were almost continuously below normal. Snow squalls, accompanied by temperatures near freezing, occurred in the northern counties during the afternoon and night of the 8th, and also on the 9th. Minimum temperatures ranging from 28° to 36° at most stations, with heavy frosts in the central and eastern districts, were reported on the morning of the 10th. Ice formed, even on upland, in the northeastern counties, where the frost was killing in many localities and vegetables and fruits were seriously injured. The damage from frost in other districts was confined mostly to tender vegetables such as beans, tomatoes, and potatoes, growing on low ground. Strawberries were damaged to some extent in the eastern half of the State, but the main berry producing areas in the western counties were not seriously affected. Wheat suffered no injury of consequence, and generally withstood the cool weather better than other crops. It improved steadily during the month, and began heading in the southern counties about the 20th.

Corn planting progressed rapidly during the first week, after which it was greatly delayed by wet weather in large areas in the southern and western counties, where the rainfall was excessive. As a rule bottom land in those districts had not been planted at the end of the month. Better progress was made with plowing and planting in the northeastern counties, where there was a marked deficiency in precipitation. The extraordinary contrast in the amount of rainfall received by nearby districts was one of the most striking features of the month's weather. Because of poor germination and unusual cut-worm activity, for which the cool weather was largely responsible, early corn required considerable replanting. Destruction of tobacco plantbeds by the worms was reported from the burley district. The low temperature seriously retarded the growth and maturing of bluegrass seed, and also greatly delayed the first cutting of alfalfa. Slow growth of tobacco plants delayed transplanting, which did not commence until near the end of the month. Oats, potatoes, and gardens made slow progress until the last week, when temperatures rose above normal. When the month closed the stage of development of the various crops remained at least two weeks behind the season.

TEMPERATURE.

The average temperature for the month, 40 stations reporting, was 63.9°, which is 1.7° below normal. Minimum temperatures ranging from 40° to 50° occurred almost daily from the 5th to 27th, falling to freezing or lower at many stations in the period 8-10th. Seasonable temperatures prevailed on the first four and the last four days. Extremes at the various stations ranged between 27° at Farmers on the 10th, and 91° at Farmers and Maysville on the 31st. This minimum equals the lowest reached in May during the 35 years of State records.

PRECIPITATION.

The average precipitation for the month, based on reports from 58 stations, was 3.98 inches, which is 0.03 inch above normal. Light to moderate showers occurred in the periods, 3d-5th, 8-9th, 11-12th, 20th-21st; and moderate to heavy rains in the periods 15-16th and 25th-31st. Excessive 24 hour amounts, that occurred on the 15th in the extreme western counties, caused considerable damage to land and roads by

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly Velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.98	30.14	18	29.14	15	6719	9.0	39	S.	11
Cincinnati ..... Ohio	29.91	30.22	23	29.38	16	8853	7.9	37	W.	8
Evansville ..... Ind.	29.91	30.17	18	29.42	15	8786	11.8	53	W.	14
Lexington ..... Ky.	29.91	30.20	18	29.52	16	10215	13.7	60	NW.	8
Louisville ..... Ky.	29.93	30.20	23	29.44	16	8894	11.7	52	W.	8

*For any five minute period.

UNIVERSITY OF ILLINOIS LIBRARY

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	79	60	66	288.0	439.0	66	14	4
Cincinnati ..... Ohio.	75	56	54	256.0	444.0	58	8	5
Evansville ..... Ind.	72	55	63	238.7	441.4	54	9	7
Lexington ..... Ky.	72	56	.....	230.3	441.4	52	9	7
Louisville ..... Ky.	68	52	55	204.1	441.4	46	6	9

COMPARATIVE DATA FOR MAY.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with .01 in. or more rain.
1889	63.6	− 2.0	94	29	4.03	+0.08	..
1890	63.9	− 1.7	93	32	4.22	+0.27	..
1891	62.6	− 3.0	90	29	1.78	−2.17	..
1892	64.6	− 1.0	90	36	5.49	+1.54	..
1893	63.2	− 2.4	96	37	5.59	+1.64	..
1894	64.5	− 1.1	99	32	3.54	−0.41	..
1895	63.9	− 1.7	99	29	3.16	−0.79	8
1896	72.2	+ 6.6	106	42	5.34	+1.39	11
1897	61.4	− 4.2	92	32	3.27	−0.68	10
1898	67.6	+ 2.0	93	31	4.52	+0.57	10
1899	66.8	+ 3.2	94	42	4.79	+0.84	11
1900	66.3	+ 0.7	96	29	3.49	−0.46	10
1901	63.7	− 1.9	97	34	2.65	−1.30	10
1902	70.0	+ 4.4	98	35	3.55	−0.40	9
1903	68.0	+ 2.4	98	29	3.09	−0.86	8
1904	65.0	− 0.6	98	33	3.05	−0.90	10
1905	68.0	+ 2.4	95	38	5.23	+1.28	11
1906	69.5	+ 3.9	95	31	2.54	−1.41	9
1907	61.3	− 4.3	93	30	5.07	+1.12	12
1908	66.7	+ 1.1	96	28	4.34	+0.39	12
1909	63.9	− 1.7	89	27	4.64	+0.69	12
1910	61.1	− 4.5	89	30	4.81	+0.86	12
1911	69.4	+ 3.8	105	29	2.46	−1.49	5
1912	66.7	+ 1.1	97	37	4.53	+0.58	10
1913	66.1	+ 0.5	99	29	2.92	−1.03	8
1914	66.5	+ 0.9	103	32	2.16	−1.79	5
1915	65.2	− 0.4	95	35	6.62	+2.67	15
1916	67.2	+ 1.6	98	33	4.62	+0.67	9
1917	58.9	− 6.7	92	30	3.43	−0.52	10
1918	69.4	+ 3.8	97	28	4.29	+0.34	8
1919	63.9	− 1.7	95	35	6.05	+2.10	14
1920	64.2	− 1.4	94	32	4.08	+0.13	11
1921	65.9	+ 0.3	97	32	2.45	−1.50	8
1922	67.9	+ 2.3	94	35	3.87	−0.08	10
1923	63.9	− 1.7	91	27	3.98	+0.03	13

Climatological Data for May, 1923.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days.					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	19	64.8	− 1.5	89	30	32	10	40	2.89	−1.34	1.04	0	8	20	1	10	w.	Miss Addie B. Taylor
Blandville	Ballard	445	41	63.4	− 3.2	81	30	38	10	29	9.28	+5.04	5.45	0	14	5	12	14	ne.	E. W. Horr.
Calhoun	McLean	437	19	65.4	− 1.7	83	7†	37	10	39	3.71	−0.25	1.42	0	12	6	17	8	e.	W. A. Taylor.
Earlington	Hopkins	420	32	64.8	− 2.4	84	7†	35	10	41	3.37	−1.34	0.72	T.	15	14	3	14	sw.	Brick Southworth.
Greenville	Muhlenburg	519	6	[a]63.7		85[a]	30	31[a]	10	41[a]	4.38		0.95		15	8[a]	14[a]	8[a]	s.	C. R. Lovell.
Henderson	Henderson	327	14								5.48	+1.54	2.50	0	15					W. W. Shelby.
Hopkinsville	Christian	524	26	66.3	− 1.3	86	7†	33	10	40	4.30	+0.07	0.86	0	16	9	5	17	se.	W. E. Graves.
Marion	Crittenden	571	24	64.4	− 2.7	82	30	38	9†	35	8.88	+4.59	4.00	0	8	6	7	18	se.	B. C. Paris.
Mayfield	Graves	364	11	64.2	− 2.2	84	29	38	10	32	6.57	+2.34	1.60	0	12	15	6	10	ne.	N. E. Douthit.
Owensboro	Daviess	479	26	64.0	− 2.3	83	19†	31	10	38	6.04	+2.20	3.70	T.	14	12	5	14	se.	Henry S. Berry.
Paducah(Lone Oak)	McCracken	516	5	66.2		86	30	40	10	37	9.55		5.30	0	11	17	6	8	s.	J. W. Lilley.
Paducah	McCracken	341	34								7.30	+3.49	4.96	0	10					Frank L. Brown.
Princeton	Caldwell	529	12	62.9	− 4.7	80	18†	33	10	36	3.33	−1.80	0.77	0	18	8	8	15	n.	Dr. W. L. Cash.
Russellville	Logan	590	9	[c]64.0	− 2.4	84[c]	1†	35[c]	10	36[d]	3.50	−1.02	0.58		16	10[c]	8[c]	10[c]	n.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	22	61.8	− 2.3	86	19	29	10	41	2.86	−0.98	0.73	T.	10	16	6	9	se.	C. E. Barret.
Bardstown	Nelson	637	26	64.9	− 2.1	87	19	33	10	46	4.41	+0.88	1.60	0	13	11	2	18	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	32	66.8	− 0.8	88	19	36	10	40	4.21	−0.04	0.59	0	15	12	6	13	s.	James H. Young.
Brownsville	Edmonson	410	5								4.65		0.85	0	18					F. E. Bradshaw.
Burnside	Pulaski	773	30								6.56	+2.96	2.32	0	12					
Carrollton(Lock No.1)	Carroll	422	23								4.08	+0.04	1.64	0	13					Charlie Oliver.
Cloverport	Breckenridge	375	9								3.07	−0.85	0.94	0	11					W. A. Cockerill.
Eubank	Pulaski	1177	28	63.0	− 1.0	88	19	29	10	40	5.96	+1.58	1.40	0	14	9	8	14	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	29	64.6	− 0.6	86	19†	33	10	39	1.49	−2.32	0.31	T.	12	14	2	15	s.	Sidney Wood.
Franklin	Simpson	691	27																	
Glasgow	Barren	780	1	65.0		85	19	35	10	36	3.54		0.60	0	14	7	9	15	w.	Dr. Fidella Edwards.
Greensburg	Green	581	30	62.6	− 2.2	85	19	28	10	40	3.03	−1.26	0.55	T.	16	6	1	24	sw.	Mrs. Bettie F. H. Alcorn
High Bridge	Jessamine	550	20								2.42	−1.43	0.81	0	9					Miss Lulu Wood.
Irvington	Breckenridge	646	25	64.1	− 2.2	85	30	34	9	37	4.27	+0.86	1.48	T.	11	9	8	14	sw.	W. J. Piggott.
Junction City	Boyle	985	29	63.8	− 0.8	85	19	34	8	48	7.57	+3.48	2.50	T.	11	19	8	4	se.	William E. Grubbs.
Leitchfield	Grayson	635	27	64.0	− 1.5	84	19†	35	8	40	3.84	−0.16	0.97	T.	15	9	13	9	se.	John E. Stone.
Lexington	Fayette	989	35	63.0	− 1.3	87	31	31	9	33	1.66	−1.86	0.63	0.5	13	7	9	15	ne.	U. S. Weather Bureau.
Louisville	Jefferson	525	50	64.5	− 2.1	85	19	33	9	34	4.68	+1.04	1.42	T.	15	6	11	14	ne.	U. S. Weather Bureau.
Do.(Cherokee Park)	Do.	534	13	63.2	− 1.9	84	19	34	9	41	5.07	+1.34	1.04	T.	14	11	10	10	e.	Wm. I. Hunt.
Pilcher (Dam 43)	Meade	363	0								4.46		1.00	0	11					W. D. Farnsley.
St. John	Hardin	777	26	63.2	− 1.5	85	7	32	10	41	4.68	+0.70	1.36	T.	14	18	3	10		Sisters of Loretto.
Scott¶	Kenton	900	25	61.8	− 2.0	87	31	31	9	41	2.39	−1.67	1.23	1.0	9	6	18	7	ne.	E. B. Wilson.
Shelbyville	Shelby	825	32	63.0	− 2.0	85	19†	31	10	36	2.82	−1.30	0.55	T.	15	8	5	18	nw.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	20	62.8	− 1.8	85	19†	30	10	40	2.70	−0.88	0.61	T.	14	14	6	11	s.	E. D. Bourne.
Williamstown	Grant	943	19	62.0	− 1.6	87	31	30	9	44	2.20	−1.36	1.28	0.5	10	7	16	8	e.	Mrs. E. F. Humlong.
Woodbury	Butler	533	5								4.98		0.98	T.	18					J. C. Stinson.
Eastern Division.																				
Ages	Harlan	1265	1																	
Ashland	Boyd	534	4	63.8		88	31	34	9	38	3.39		1.07	0	13	22	0	9	w.	W. B. Shaw.
Beattyville	Lee	650	18	64.0	− 0.2	90	30	36	10	43	1.92	−2.25	0.50	T.	11	2	13	16	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	18	63.2	− 2.0	84	19	33	10	35	3.50	0.56	1.22	T.	12	8	13	10	s.	Frank Montgomery.
Cynthiana	Harrison	684	5								1.45		0.35	T.	6					P. H. Kehoe.
Falmouth	Pendleton	600	34								2.44	−1.23	1.23	T.	11	14	7	10	se.	J. V. Oldham.
Farmers	Rowan	668	13	63.2	− 0.5	91	31	27	10	43	2.03	−2.03	0.55	T.	9	13	9	9	sw.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	63.6		86	15†	30	10	38	3.58	−0.14	0.80	T.	15	13	12	6	sw.	Dr. Dan. Fortune.
Louisa	Lawrence	584	16								2.55	−1.52	0.65	T.	10					T. D. Snyder.
Mayesville	Mason	524	25	63.6	− 1.5	91	31	31	10	39	2.44	−1.61	0.58	T.	10	15	6	10	e.	Harry M. Robinson.
Middlesboro	Bell	1128	25	63.5	− 1.2	87	19	31	10	40	4.12	−0.09	0.90	0	14	17	10	4		R. H. Perkins.
Mount Sterling	Montgomery	930	33	62.3	− 1.8	86	31	30	10	39	2.58	−1.71	0.70	T.	14	7	8	16	se.	W. R. McKee.
Olivet	Greenup	540	3								2.25		0.80	T.	8					Chas. Folson.
Oneonta	Campbell	443	1								2.52		1.05	T.	8					Andrew M. Stanforth.
Pikeville	Pike	634	17								2.58	−0.57	0.48	T.	11					I. M. Williams.
Richmond	Madison	926	28	64.9	− 0.7	88	30†	33	9	39	2.48	−1.15	0.68	T.	16	10	3	18		J. W. Crooke.
Vanceburg	Lewis	525	6								2.63		0.46	T.	12					Samuel Johnson.
Williamsburg	Whitley	939	25	64.3	− 2.0	86	19†	32	10	40	4.21	+0.13	0.95	T.	16	4	18	9	se.	Mrs. Ruth Inman.
State averages and extremes				63.9		91	31	27	10	48	3.98		5.45	T.	13	11	8	12	se.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

† Absent other dates. †† Received too late to be included in means and summaries. T. Precipitation is less than 0.01 inch rain or melted snow.

¶ Post-office address, Covington, Ky.

wa-hing. Although the average precipitation was practically normal, the distribution over the State was remarkably irregular. In the northeastern counties amounts ranged from 1.4 to 3.0 inches, being lightest over the bluegrass region. Immediately south of this district an area consisting of a few counties received from 6.0 to 8.0 inches. In the west-central district amounts ranged from 3.0 to 5.0 inches, while in the extreme western counties the amounts varied between 6.0 and 10.0 inches. Monthly precipitation at all stations ranged between 1.45 inches at Cynthiana and 9.55 inches at Lone Oak, near Paducah. The snow of the 9-10th occurred as flurries generally over the northern half of the State, but the amount reached 1.0 inch in Kenton County. Sleet was reported from some stations in the eastern counties on the 9th. Thunderstorms occurred frequently during the second and last week.

Daily Precipitation for May, 1923

Stations	Day of month.																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																														
Beaver Dam ‖ ..... G				.10	.25							.40			.50															
Blandville ..... M		.61	1.41	.07	T		T.	T.			.05	.09		.67	5.45	.17		.04							.20		1.64	.26		.26	2.89
Calhoun ..... G			T.	.35	.06			T.	T.		.35	.02		.10	1.42	.06		T.	T.				.42	.64			.18	.01	.01		3.28
Earlington ‖ ..... G			T.	.23	.21			.02	T.			.21	.02		.72	.18	.08	T.	T.					T.	.28	.64	.43	.42	.58	T	3.71
Greenville ..... G				.24	.19																				.05	.20	.18	.64	.16	.15	.32	3.27
Henderson ‖ ..... O				.01	.22						.22			.20	.51	.25	.03		.16						.05	.50	.21	.95	.38	.23	.26	4.20
Hopkinsville ‖ C			.14	.27	.04			T.				.03	.05		2.50	.10		.05	.05	.35					.10	.50	.70		.50	.30	.02	5.46
Marion ..... O			T.	.68				.05				.09	.10		.82	.28	.19	.01							.29	.92	.23	.14		.67	.86	4.50
Mayfield ..... M		.51	1.00	.29							.23	T		1.00	4.00			T.		T					.15	T.	.30	1.58		.94	T	8.80
Owensboro ‖ ..... O				.05	.06			T.	.04		.11	.31		.50	1.60										1.10	.10	.10	.15	.80			6.57
Paducah (Lone Oak) ..... O		.50	.40	.80								.36	.12		3.70	.22	T.	T.	.03	T.					T.	.04	.73	.10	.14	.42	.03	6.64
Paducah ‖ ..... O			.42	.80	.14						.15			.70	5.30										.80		.16	.20	.50	.05			9.55
Princeton ..... G		.13	.15	.33								.18			4.96	.22		T.								.42	.66	T.	.06	.04			7.20
Russellville ‖ ..... G			.13	.13	.21			.02			.05	.02		.25	.77	.08		.08	.16			T.		T.	.49	.21	.09	.40	.04	.05	.01	3.23
Central Division.												.09			.58	.16	.22	.02		.08					.40	.44	.37	.22	.14	.30	.01	3.50
Anchorage ..... O				T.				T.	T.		.45			.28	.03		T	T.						.13	.02	.73	.34	*	.75	.13	2.86
Bardstown ‖ ..... S					.05			.16	.04			.17	.20		.31	.15									1.60	.04	.12	.76	.03	.78		4.41
Bowling Green ‖ ..... G				.02	.10			.10	.05				.20		.85	.41	.38		.05	T					.12	.59	.52	.56	.08	.30	T.	4.21
Brownsville ‖ ..... G				.07	.14	.03		.23	.13		.12	.85			.39	.36		.05		.16				.02		.30	.46	.35	.56	.20	.23	4.65
Burnside ‖ C					.08			.42	.06			T.	.78			.56	T.			.15	.28		.80			1.12			.18	2.32	.26	6.96
Carrollton ‖ (Lock No. 1) ..... O								.08	.18	.03		.56	.04		1.64	.02	T.								.02	.36	.07	.04	.58	.46		4.08
Cloverport ‖ ..... O					.10				.02			.42	T.		.94	.14	.01	T.								T.	.21	.53	.29	.06	.35	3.07
Eubank ‖ C					.20			.30	.15			.05	.50		.10	.73				.20	.30			.54		.29	1.40		T	.40	.80	5.96
Frankfort ‖ ..... K								.03	.08	T.		.10	.15		.05	T.	.16				T.		T.			.03	.14	.08	.30	.06	.31	1.49
Franklin ..... G																																
Glasgow ..... G				.15	.05			.60				.48			.60	.02			.08					.60	.25	.45	.05	.02	.05	.14		3.54
Greensburg ‖ ..... G					.15			.47	.10			.04	.46		.06	.55				.06	.03				.17	.01	.46	.18	.03	.11	.15	3.03
High Bridge ‖ ..... K								.20	.03			.05	.40			.81										.27	T.	.01	.01		.62	2.42
Irvington ..... O				T.	.10			T.	.07																T.	T.	.53	.03	.58	1.48	T.	4.27
Junction City ..... K								1.45	.07	T.	.35	.32		.08	.62	.11		T.		T.					2.50	.31	.06	.01	.61	.27		7.57
Leitchfield ..... G				T.	.20			.07																								
Lexington *** ..... K				T.				.15	.04		.30	.31		*	.97	.07			.03						.10	.33	.30	.30	.57	.25	.04	3.84
Louisville*** ..... O				.01				.04	T.		.13	.12		T.	.62	.01				.30					.07	.02	.09	.04	.02	.05		1.66
Do. (Cherokee Park) ..... O				T.				.07	T.		.33	.16		.11	1.31	.20		T.		.01				.02	.02	.27	.93	.45	.54	.54		4.68
Pilcher (Dam 43) ‖ ..... O					.53			T.	.10		.44	.28		.08	1.04	.04								.12	.09	.05	.57	.71	.50	.20	.88	5.07
St. John ‖ ..... S					.03	.03		.03	.10			.25	.25		.38	.30								.16	T.	T.	48	T.	.75	1.00	.33	4.46
Scott L								.23	.09		.52	.22		T.	1.23	.02	.03	.02		T.						.03	.62	.20	1.36	.86	.24	4.68
Shelbyville ‖ ..... S								.06	.10			.24	.20		.55	.20	.02								.03		.08	T.				2.39
Taylorsville ..... S								.12	T.		.25	.23		.12	.36	.14		T.		T.				.01	.02	.06	.17	.49	.38	.22	.10	2.82
Williamstown ‖ L								.01	.14	.06		.35	.09		1.28	.15								.11	.28	.02	.09	.61	.21	.04	.12	2.70
Woodbury ‖ ..... G				.31	.35	.02		.03	.03			.15	.44		.82	.16	.04		.02							.03		.05	.04			2.20
Eastern Division.																									.01	.29	.98	.20	.35	.01	.77	4.98
Ages ..... K																																
Ashland ‖ ..... O																																
Beattyville ‖ ..... K					.06			.15	.60	.10		.20				1.07				.10	.45		.25						.45		.02		3.39
Berea ..... K				.02	.11		T.	.32	.04		T		.22			.26	T.			T.	.17		.60		.05				.15		.13	.62	1.92
Cynthiana ‖ L							T.	.05	.30	T.	T.	.49			.75	.01	T.	T.		.17			.05		T.	.18		T.	.07	1.10	.12	3.50
Falmouth ‖ L								.06	.16	.04	.02	.35	.05			.40							T.			T.				.30		1.45
Farmers ‖ L								.17	.16	T.		.20	.22		1.23	.19				T.	.10					.04		18				2.44
Jackson ‖ ..... K				.18	.01			.52	.08		T.	.16	.15			.55				.06	T.		.26			.22		.30				2.03
Louisa ‖ ..... B								.04	.65	.09	T.	.11		T.		.06	.01		.05	.01	.57		.30		.27	.90		T.		.26	.25	3.58
Maysville ‖ ..... O																.48	.02		.30	T.	.42	.34	.11	.10								2.55
Middlesboro C								.15	.28	.25		.32	.20		T.	.58	T.		T.	.15	.13					.18	T.	.20				
Mount Sterling ‖ L					.29			.28				.37	.43		.37		.53			.55	.15		.90		.06	.05		.03	.06	.05	2.44
Oliver ‖ ..... O				T.				.20	.17	.18		.17			.15	.70	T.			T.	.16		.11		.24	.08	.08	.09	T.	.17	.08	4.12
Oneonta ‖ ..... O								.22	.25			.25	.19			.06					.40		.08					.80				2.58
Pikeville ‖ ..... B								T.	.17	.14	T.	.68	.18		1.05	.14	T.	T.			.06					T.		.10				2.25
Richmond ‖ ..... K				.12	.28			.12	.38	T.			.22			.18					.36		.48			.20		.08		.16		2.52
Vanceburg ‖ ..... O				.01				.10	.25	T.		.08	.15		T.	.68				.13	.07		.12		.01	.21	.03	.15	.03	.05	.36	2.58
Williamsburg ‖ C					.02	T.		.17	.25	.10	.02	.25				.65	.03			.40	.20		.06			.01		.46				2.43
								.68	.40	T.		T.	.05			.30	.02	T.	T.	.21	.23		.56	.95	.01	T.	.04	.02	.16	.22	.34	2.60
																																4.21

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

MISCELLANEOUS.

May 27.—At Louisville lightning damaged a church slightly, caused a loss estimated at $40,000 to a residence, and shocked several persons.

Rivers:—A moderate rise in the Ohio, beginning in the upper reaches on the 13th and ending in the lower river about the 21st, was followed by a steady decline that continued during the remainder of the month.

Daily Temperatures for May, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	81	75	77	69	70	75	84	76	58	68	77	74	70	70	68	67	74	76	85	82	77	77	79	83	78	72	80	85	85	89	85	76.3
	Minimum	50	60	56	60	54	45	44	50	35	32	53	62	40	45	62	51	50	52	54	54	50	55	51	62	62	60	51	61	62	65	58	53.2
Blandville	Maximum	80	73	66	69	70	72	78	65	58	67	78	73	67	69	69	66	67	76	78	79	74	72	73	72	70	69	78	79	80	81	80	72.5
	Minimum	53	59	56	54	51	50	49	44	39	38	57	51	42	56	59	51	46	55	61	61	56	55	56	68	61	62	57	61	58	62	61	54.4
Calhoun	Maximum	82	80	79	72	71	74	83	80	58	68	77	77	69	65	73	66	71	76	83	78	75	77	79	79	78	70	77	79	81	78	82	75.6
	Minimum	52	59	58	58	56	50	53	41	40	37	55	58	42	46	62	52	50	55	57	63	58	55	58	54	62	62	62	63	63	65	65	55.1
Earlington	Maximum	83	78	79	69	72	74	84	78	58	70	79	78	71	67	72	66	73	77	84	82	76	77	80	80	76	69	78	83	80	82	84	76.1
	Minimum	50	60	56	59	54	48	43	41	39	35	68	58	40	44	61	52	47	52	55	61	54	51	56	54	62	60	61	61	60	62	65	53.5
Greenville	Maximum	82	80	77	75	70	82	..	43	35	37	31	39	57	40	44	59	49	46	50	53	61	51	51	55	53	60	58	59	60	62	62	56.0
	Minimum	49	57	55	57	53	..	..	35	37	31	39	57	40	44	59	49	46	50	53	61	51	51	55	53	60	58	59	60	62	61	64	51.4
Hopkinsville	Maximum	84	76	73	68	72	78	86	76	60	72	79	78	76	72	74	70	75	80	84	84	81	82	84	80	76	74	82	81	82	84	83	77.8
	Minimum	51	60	57	59	54	50	46	58	39	33	53	60	43	50	61	52	47	50	53	56	50	50	53	55	54	57	61	60	62	61	62	54.8
Marion	Maximum	81	81	74	72	70	73	80	80	55	68	77	74	70	70	68	65	77	76	83	80	76	75	75	79	74	69	75	79	81	82	81	74.2
	Minimum	57	58	56	58	52	48	52	45	38	38	55	60	40	48	57	50	48	54	61	61	54	53	55	54	57	62	62	61	62	64	64	54.7
Mayfield	Maximum	82	75	68	67	69	73	79	70	60	70	78	75	68	66	72	67	70	79	80	80	80	75	75	71	69	69	73	79	84	82	80	73.8
	Minimum	55	58	56	55	53	51	47	40	40	38	57	55	48	49	60	53	46	56	60	62	59	56	58	58	63	62	61	62	65	65	64	54.5
Owensboro	Maximum	82	75	79	71	71	75	82	71	57	67	76	68	69	68	71	66	67	74	83	77	75	75	76	73	68	72	77	82	80	85	82	74.1
	Minimum	59	60	55	59	54	48	44	45	36	31	52	66	41	48	60	50	45	55	57	62	52	53	58	56	62	59	61	62	64	64	64	54.0
Paducah (Lone Oak)	Maximum	84	77	70	73	73	75	81	82	60	73	82	79	70	69	75	76	70	82	84	80	79	75	80	75	72	72	80	87	84	86	84	76.9
	Minimum	54	59	57	58	53	45	48	45	49	40	57	56	41	51	60	50	46	52	58	63	56	55	56	65	59	63	63	63	62	62	66	55.5
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	76	76	74	61	65	72	77	73	55	69	77	75	64	66	66	66	70	80	80	77	69	72	75	75	72	68	72	80	80	77	76	72.1
	Minimum	50	60	57	58	53	50	44	43	39	33	52	56	41	48	61	51	47	54	55	60	54	54	57	56	62	61	60	60	61	62	65	55.7
Russellville§§	Maximum	84	73	75	..	..	..	83	69	57	69	80	72	70	73	68	64	71	79	84	82	76	80	79	81	72	67	79	79	77	82	85	75.3
	Minimum	49	58	54	59	..	..	..	45	39	35	44	57	43	46	50	51	48	51	56	63	53	52	54	56	60	60	60	61	59	64	61	52.8
Central Division.																																	
Anchorage	Maximum	82	77	81	80	72	78	83	68	56	65	70	72	65	63	72	64	54	69	86	79	74	72	74	78	75	77	81	81	80	83	83	74.0
	Minimum	45	46	51	51	54	44	42	36	33	29	47	48	35	46	60	50	44	46	54	60	49	47	51	49	62	57	59	60	62	64	62	49.6
Barlstown	Maximum	81	77	82	79	72	75	84	64	50	67	73	71	68	75	73	66	72	74	87	81	75	75	76	80	77	75	80	84	86	84	85	76.4
	Minimum	49	55	55	56	57	47	44	38	35	33	50	63	43	46	63	53	49	49	56	65	59	50	54	53	58	63	62	63	64	64	64	53.4
Bowling Green	Maximum	84	78	83	72	77	81	87	80	60	73	84	75	74	75	78	67	75	80	88	85	79	75	80	83	84	71	69	83	85	83	85	78.7
	Minimum	51	55	58	59	57	49	47	56	39	36	50	62	45	46	62	51	51	53	55	62	52	53	55	61	63	62	63	62	63	64	64	54.8
Eubank	Maximum	80	80	82	79	70	76	82	70	54	63	73	70	68	69	75	63	71	74	88	78	73	76	69	82	76	77	81	82	80	82	80	75.1
	Minimum	45	44	51	51	56	46	42	36	34	29	46	59	46	44	62	52	45	52	61	70	50	50	54	54	61	59	60	60	61	62	61	50.9
Frankfort	Maximum	78	77	82	81	77	75	80	75	54	63	69	71	67	75	75	69	69	74	86	83	73	73	74	78	77	76	80	84	83	83	86	75.9
	Minimum	46	55	55	57	56	49	45	36	34	33	46	61	43	47	65	54	47	49	56	65	58	50	56	54	63	62	64	62	64	64	64	53.4
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Glasgow	Maximum	83	79	80	68	74	79	83	72	56	65	73	73	70	76	73	63	72	78	85	82	78	81	79	85	74	71	79	81	79	81	80	75.6
	Minimum	52	60	57	60	58	50	47	38	38	35	53	60	48	49	57	51	50	51	51	63	52	52	58	56	64	63	64	63	64	63	64	54.4
Greensburg	Maximum	81	80	82	72	73	74	80	75	55	65	76	74	66	76	74	65	65	73	85	79	74	76	74	80	75	71	76	80	79	82	82	74.9
	Minimum	43	47	49	54	55	45	40	35	34	28	43	58	46	46	60	50	46	46	50	60	50	47	55	53	60	59	61	61	60	66	60	50.2
Lexington	Maximum	81	76	79	75	70	74	81	74	55	67	73	71	66	70	73	64	69	73	84	80	74	72	74	77	75	72	80	82	80	85	82	74.5
	Minimum	52	57	56	57	57	49	47	37	34	37	54	57	42	47	63	50	50	52	58	61	52	52	54	59	65	61	62	64	61	62	63	53.7
Junction City	Maximum	79	78	75	82	80	78	81	82	55	75	80	72	70	80	78	80	77	70	85	80	75	75	80	82	75	75	76	81	80	81	83	77.3
	Minimum	39	49	52	50	55	50	38	34	35	35	45	41	42	41	62	55	47	50	45	53	55	46	58	50	60	59	60	60	59	60	62	50.4
Leitchfield	Maximum	83	76	81	75	73	75	83	75	55	65	77	72	70	71	73	62	71	74	84	80	76	76	75	80	72	68	77	84	81	80	81	75.0
	Minimum	50	55	55	59	53	48	46	35	36	37	52	60	43	47	62	50	50	52	50	63	52	52	55	55	66	62	64	63	64	65	64	53.1
Lexington	Maximum	76	76	81	77	68	71	79	67	50	59	68	68	68	74	72	64	66	70	85	76	70	71	69	77	73	70	72	85	79	84	87	73.1
	Minimum	60	54	55	60	53	46	51	34	37	37	50	46	42	47	61	50	49	55	61	57	55	47	52	52	60	60	61	63	62	63	64	52.9
Louisville	Maximum	81	78	81	78	71	76	82	67	55	64	72	71	67	74	74	64	68	70	85	80	75	73	74	77	73	74	77	82	82	85	84	74.6
	Minimum	55	58	58	60	55	47	53	33	33	41	53	48	48	50	62	51	52	55	66	59	54	50	54	54	62	64	65	64	65	66	65	54.4
Dix (Cherokee Park)	Maximum	80	78	78	77	71	72	80	78	54	63	66	69	66	69	72	67	68	70	84	83	77	75	77	80	77	73	78	80	79	83	80	73.5
	Minimum	48	55	54	55	55	45	45	37	34	37	51	61	41	46	61	51	50	51	55	65	52	48	51	51	64	61	63	63	61	68	66	52.8
St. John	Maximum	81	75	81	74	71	75	85	72	59	67	75	72	66	72	73	64	72	72	84	83	75	74	75	79	72	72	77	81	82	83	87	74.8
	Minimum	48	56	52	56	53	47	44	36	33	32	50	56	40	44	61	49	48	48	55	62	50	50	53	52	60	61	62	63	61	68	69	51.7
Scott	Maximum	77	73	78	80	73	75	82	72	46	61	60	70	65	68	73	66	70	74	85	80	76	77	78	80	77	73	76	77	81	83	83	73.3
	Minimum	46	52	49	51	52	43	41	34	31	32	48	51	37	46	61	50	48	48	55	64	56	44	52	46	57	59	64	62	65	63	69	50.4
Shelbyville	Maximum	82	75	81	79	72	76	72	71	54	65	67	70	67	75	74	67	69	73	85	81	74	73	73	78	76	77	81	89	85	85	85	74.8
	Minimum	48	52	52	55	53	45	45	35	32	31	48	51	39	45	62	50	45	45	55	62	51	47	51	49	62	61	63	63	61	63	60	51.1
Taylorsville	Maximum	78	75	80	77	70	73	81	70	55	63	69	70	65	67	73	67	68	72	85	81	74	73	76	80	77	73	80	84	86	88	87	73.8
	Minimum	41	59	53	53	55	46	41	36	35	30	45	54	42	40	63	50	46	48	52	63	54	50	53	51	64	62	63	61	63	61	61	51.7
Williamstown	Maximum	78	76	81	81	74	75	80	75	48	62	69	67	67	70	73	68	68	73	85	80	74	71	73	77	73	80	84	86	87	89	89	74.7
	Minimum	49	46	46	50	51	42	44	31	30	31	45	57	37	41	59	46	43	49	54	63	54	43	50	46	56	56	61	60	63	62	58	49.2
Eastern Division.																																	
Ages	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Ashland	Maximum	78	78	83	86	76	83	77	47	62	70	72	67	70	87	71	70	76	83	78	76	68	69	73	72	82	86	85	83	84	88	76.2
	Minimum	44	47	52	52	59	50	45	41	34	36	52	54	48	50	55	56	47	45	53	61	54	56	49	52	56	59	60	64	62	64	62	51.4
Beattyville	Maximum	83	83	86	86	69	79	81	75	54	66	73	71	70	78	81	66	74	75	88	80	76	77	78	72	76	80	76	74	81	86	86	77.8
	Minimum	40	45	47	55	63	46	43	35	35	30	37	56	48	40	60	56	44	44	51	66	56	47	62	55	57	57	58	56	58	59	60	52.6
Berea	Maximum	77	79	82	78	72	71	79	70	52	63	70	69	65	76	75	64	67	72	84	76	71	73	67	77	72	75	80	82	77	83	83	73.6
	Minimum	49	58	58	58	53	56	46	44	35	35	33	49	60	45	47	63	53	49	46	57	62	51	59	61	58	71	68	66	72	70	72	52.7
Farmers	Maximum	82	80	84	84	74	77	82	75	58	67	72	69	69	78	81	69	68	75	89	83	76	72	70	78	74	81	86	86	85	86	86	77.8
	Minimum	39	46	48	47	54	47	43	39	38	33	35	53	46	43	62	53	44	42	51	62	55	47	50	49	52	56	58	61	58	59	58	48.5
Jackson	Maximum	80	82	85	84	71	77	83	69	51	64	74	71	70	80	86	67	71	75	86	76	73	76	76	77	70	79	83	84	86	85	86	76.4
	Minimum	42	45	48	50	52	47	47	37	35	30	39	60	48	43	61	56	46	46	58	68	55	48	53	54	55	55	60	60	61	60	60	50.7
Maysville	Maximum	80	78	85	85	73	77	82	68	42	64	65	69	68	75	80	65	69	70	88	77	73	73	78	72	84	85	86	87	87	91	91	75.8
	Minimum	46	48	52	52	54	47	43	39	33	31	43	57	42	44	65	55	46	46	56	67	55	48	54	53	57	58	59	61	62	62	61	51.5
Middlesboro	Maximum	80	82	77	71	71	64	78	82	73	55	65	72	75	68	78	80	65	73	77	87	76	75	80	77	76	83	74	78	81	83	85	75.8
	Minimum	40	46	47	53	55	51	46	49	36	31	38	55	50	46	61	57	45	45	50	61	57	49	59	57	56	55	55	59	60	58	56	48.3
Mount Sterling	Maximum	77	78	82	77	70	73	79	71	49	63	69	68	66	74	76	64	69	74	86	77	72	72	66	75	68	79	81	83	80	85	86	73.6
	Minimum	44	52	51	51	54	45	44	36	32	30	41	60	46	46	62	52	45	45	56	68	56	47	52	52	56	58	61	60	63	63	64	50.8
Richmond	Maximum	81	80	81	78	75	77	82	79	51	62	69	71	76	74	76	69	72	76	88	78	77	78	72	82	76	78	81	82	82	86	88	76.1
	Minimum	50	52	55	59	58	48	48	40	33	35	50	60	44	45	62	58	50	53	58	63	56	54	56	54	61	60	63	63	63	64	60	53.7
Williamsburg	Maximum	83	83	82	68	68	80	79	73	57	67	77	73	70	79	80	66	76	80	86	79	77	78	76	80	77	78	85	87	87	89	89	77.3
	Minimum	43	45	47	54	54	50	45	40	35	32	39	60	49	44	62	55	47	45	52	61	56	49	55	56	57	57	59	60	59	61	61	51.3

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from record.

.05
NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., JUNE, 1923. No. 6

GENERAL SUMMARY.

Although the temperature for the month averaged near normal, it was characterized by sharply defined periods of decidedly warm and unseasonably cool weather. High temperatures during the last days of May and the first week of June caused rapid growth, especially of corn, which was not appreciably checked by the cool weather that followed. Persistent rains during the first two weeks in the western and southern counties greatly delayed corn planting and the cultivation of early crops. Early corn became very weedy, and remained in that condition when its tillage ceased near the end of the month. The wet weather had the effect of crowding this work into the period of harvest, with the result that the proper attention could not be given to the early crops. In the northeastern counties, which received much less rain, cultivation was timely and satisfactory. Frequent heavy rains during the second week caused considerable soil erosion. In many localities corn was washed out of the furrows, and wheat was damaged by lodging or falling.

Tobacco setting was practically completed by the 15th, the rainy weather and low temperature being decidedly favorable for obtaining a good stand. Its growth was satisfactory, but its cultivation was delayed by the pressure of other work. Despite the continued rains but little rust appeared on wheat. The dry, hot weather after the 17th improved the quality of the grain, accelerated ripening, and furnished ideal conditions for harvest, which was completed without delay. Much difficulty was experienced in cutting and curing the first crop of alfalfa. Delay in removing the first crop, due to wet weather, also delayed and reduced the second crop. On many farms this will cause the loss of one cutting during the season. At first rain interfered with gathering bluegrass seed, but the work was finished under favorable conditions. Potatoes, oats, gardens, and truck crops improved steadily. Oats headed well, with straw of fair length, and were being harvested when the month closed. Timothy meadows improved, but headed short and became weedy. Much clover was not cut because of the predominance of weeds. In growth and development of crops there was a decided gain over the conditions that existed at the beginning of the month, but cultivation remained seriously behind in a large part of the State.

TEMPERATURE.

The average temperature for the month, 41 stations reporting, was 73.8°, which is 0.1° above normal. There were two well defined periods of high temperature, the 1st-7th and 17-26th; and two of low temperature, the 8-15th, and 28-30th. Minimum temperatures below 50° were registered at many stations on the 29th and 30th. An unusual feature was the absence of high temperatures in the western counties, which are usually the warmest, and their frequency in the northeastern district, which is generally the coolest part of the State. Extremes at the various stations were 99° at Bowling Green and Maysville on the 22d, and 42° at Greensburg on the 30th.

PRECIPITATION.

The average precipitation for the month, based on reports from 57 stations, was 4.59 inches, which is 0.41 inch above normal. Showers, varying from light to heavy, occurred in the period 5-7th, and moderate to heavy rains in the period 10-13th. Local showers were reported on the 15th and 16th, and from the 23d to 29th. As in the previous month there was marked irregularity in distribution over the State. In the northeastern counties, most of the southeastern section, and in the extreme

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement	Av. hourly velocity.	Max. Velocity * Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.95	30.21	8	29.48	28	4586	6.9	44	sw.	6
Cincinnati ..... Ohio	29.98	30.29	9	29.50	28	4045	5.6	32	nw.	15
Evansville ..... Ind.	29.98	30.24	8	29.46	28	6580	9.1	48	n.	27
Lexington ..... Ky.	29.99	30.26	9	29.50	28	7256	10.8	36	se.	18
Louisville ..... Ky.	29.99	30.28	9	29.49	28	6616	9.2	39	n.	28

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	84	60	66	330.5	440.1	75	17	3
Cincinnati ..... Ohio.	80	58	64	311.4	446.9	70	14	3
Evansville ..... Ind.	76	56	60	290.8	443.0	66	12	5
Lexington ..... Ky.	74	55	.....	240.2	443.0	56	8	7
Louisville ..... Ky.	76	53	59	321.6	443.0	73	14	2

COMPARATIVE DATA FOR JUNE.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with .01 in. or more rain.
1889	70.6	− 3.1	99	38	5.27	+1.09	.
1890	78.4	+ 4.7	101	51	4.96	+0.78	.
1891	77.1	+ 3.4	97	51	4.48	+0.30	.
1892	75.8	+ 2.1	101	48	4.23	+0.05	.
1893	73.3	− 0.4	97	46	4.64	+0.46	.
1894	75.6	+ 1.9	102	55	2.69	−1.49	.
1895	75.9	+ 2.2	104	47	3.63	−0.55	.
1896	73.5	− 0.2	98	46	4.64	+0.46	10
1897	73.4	− 0.3	101	41	3.61	−0.57	9
1898	76.2	+ 2.5	101	45	3.90	−0.28	9
1899	76.1	+ 2.4	100	44	2.80	−1.38	8
1900	73.9	+ 0.2	100	40	6.14	+1.96	14
1901	75.6	+ 1.9	104	42	3.97	−0.21	9
1902	73.4	− 0.3	101	39	4.75	+0.57	11
1903	68.6	− 5.1	96	37	3.61	−0.57	10
1904	73.2	− 0.5	99	48	3.14	−1.04	11
1905	74.8	+ 1.1	106	45	4.49	+0.31	10
1906	73.9	+ 0.2	99	42	4.53	+0.35	11
1907	70.2	− 3.5	95	41	4.91	+0.73	11
1908	73.4	− 0.3	102	43	4.26	+0.18	7
1909	74.5	+ 0.8	99	43	5.03	+0.85	14
1910	70.0	− 3.7	93	36	5.20	+1.02	10
1911	76.2	+ 1.5	106	45	4.06	−0.12	10
1912	70.2	− 3.5	95	38	3.55	−0.63	10
1913	75.0	+ 1.3	107	38	2.87	−1.31	7
1914	78.3	+ 4.6	108	45	2.30	−1.88	5
1915	71.7	− 2.0	95	42	4.79	+0.61	12
1916	70.1	− 3.6	99	45	4.94	+0.76	11
1917	70.9	− 2.8	103	39	4.30	+0.12	10
1918	73.6	− 0.1	104	37	3.63	−0.55	8
1919	76.7	+ 3.0	103	51	4.60	−0.18	10
1920	71.9	− 1.8	100	44	3.12	−1.66	7
1921	77.8	+ 4.1	100	46	2.56	−1.28	8
1922	75.4	+ 1.7	100	44	3.10	−1.68	9
1923	73.8	+ 0.1	99	42	4.79	+0.41	6

Climatological Data for June, 1923.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	19	75.2	+ 1.0	98	22	46	30	32	3.44	+0.27	1.50	0	8	22	4	4	s.	Miss Addie B. Taylor
Blandville	Ballard	445	41	73.4	− 1.6	92	22†	49	29	23	3.65	−0.71	1.34	0	7	9	14	7	sw.	E. W. Horr.
Calhoun	McLean	437	19	74.6	− 0.8	95	22	49	29	25	6.98	+3.39	4.97	0	10	9	17	4	se	W. A. Taylor.
Earlington	Hopkins	420	32	74.8	− 0.9	96	22	46	30	30	7.14	+3.71	2.61	0	9	19	6	5	s.	Brick Southworth.
Greenville	Muhlenburg	519	6	73.4	.....	95c	25	45c	29	31d	6.60	.....	2.23	0	8	16c	7c	4c	s.	C. R. Lovell.
				.....	.....	.....	.....	.....	.....	.....	5.07	+0.96	1.70	0	9	.....	.....	.....	.....	W. W. Shelby.
Henderson	Henderson	327	14	.....	.....	.....	.....	.....	.....	.....	8.40	+4.12	2.99	0	9	14	5	11	se.	W. E. Graves.
Hopkinsville	Christian	524	26	76.0	+ 0.8	97	21†	47	30	32	2.45	−1.20	1.00	0	5	8	14	8	sw.	B. C. Paris.
Marion	Crittenden	571	24	75.0	+ 0.1	95	24	48	29	27	3.43	+0.58	1.20	0	6	20	6	4	s.	N. E. Douthit.
Mayfield	Graves	364	11	74.4	0.0	93	22†	49	29	27	6.99	+3.42	3.40	0	11	16	2	12	s.	Henry S. Berry.
Owensboro	Daviess	479	26	73.2	− 0.9	95	22	48	29	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
				.....	.....	.....	.....	.....	.....	.....	2.77	.....	1.25	0	5	21	6	3	e.	J. W. Lilley.
Paducah (Lone Oak)	McCracken	516	5	76.2	.....	95	26	50	10†	28	2.60	−1.92	1.40	0	4	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	34	.....	.....	.....	.....	.....	.....	.....	3.38	−0.34	1.46	0	9	6	14	10	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	12	¶74.6	− 1.4	94e	22	48e	30	26e	4.36	+1.22	1.23	0	10	20	5	5	s.	E. C. Shelton.
Russellville	Logan	590	9	73.4	− 1.6	94	20	46	30	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Anchorage	Jefferson	700	22	71.8	− 0.1	96	22	43	30	36	5.35	+1.72	1.95	0	8	19	6	5	sw.	C. E. Barret.
Bardstown	Nelson	637	26	74.0	− 0.6	95	22	46	30	31	4.31	−0.03	1.40	0	5	21	2	7	s.	Chas. M. Talbott.
Bowling Green	Warren	500	32	75.8	0.0	99	22	49	30	35	4.16	+0.29	1.17	0	10	15	4	11	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	5	.....	.....	.....	.....	.....	.....	.....	3.77	.....	0.93	0	7	.....	.....	.....	.....	Earl Holder.
Burnside	Pulaski	773	30	.....	.....	.....	.....	.....	.....	.....	2.22	−1.90	0.85	0	7	.....	.....	.....	.....	F. E. Bradshaw.
				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charlie Oliver.
Carrollton (Lock No. 1)	Carroll	422	23	.....	.....	.....	.....	.....	.....	.....	6.61	+3.02	1.66	0	10	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	375	9	.....	.....	.....	.....	.....	.....	.....	5.13	+1.05	1.57	0	10	.....	.....	.....	.....	Mrs. Katie Payne.
Eubank	Pulaski	1177	28	72.9	+ 1.5	93	22†	44	30	35	2.46	−1.62	0.60	0	10	8	8	14	s.	Sidney Wood.
Frankfort	Franklin	560	29	74.8	+ 1.2	98	22	48	30	31	3.34	−0.86	0.83	0	9	23	2	5	s.	.....
Franklin	Simpson	691	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
				.....	.....	.....	.....	.....	.....	.....	4.45	.....	1.03	0	9	11	12	7	s.	Dr. Fidella Edwards.
Glasgow	Barren	780	1	74.2	.....	95	20†	48	30	33	2.84	−1.61	0.82	0	8	5	2	23	e.	Mrs. Bettie K. H. Alcorn
Greensburg	Green	581	30	71.7	− 1.6	93	21†	42	30	33	5.25	+1.33	2.10	0	9	.....	.....	.....	.....	Miss Lulu Wood.
High Bridge	Jessamine	550	20	.....	.....	.....	.....	.....	.....	.....	3.56	−0.43	1.15	0	8	20	4	6	sw.	W. J. Pigrott.
Irvington	Breckenridge	646	25	73.7	0.0	93	22	49	30	26	5.39	+1.68	2.95	0	10	18	8	4	se.	William E. Grubbs.
Junction City	Boyle	985	29	72.2	+ 0.1	95	22	43	30	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
				.....	.....	.....	.....	.....	.....	.....	6.88	+2.89	3.61	0	10	17	11	2	sw.	John E. Stone.
Leitchfield	Grayson	635	27	73.2	+ 0.3	95	22	48	30	31	3.55	−0.44	1.56	0	8	16	7	7	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	35	74.0	+ 0.8	95	22	50	29	22	6.28	+2.05	1.85	0	10	14	9	7	s.	U. S. Weather Bureau.
Louisville	Jefferson	525	50	74.6	− 0.1	98	22	54	29	27	6.67	+2.91	2.27	0	8	19	5	6	sw.	Wm. I. Hunt.
Do. (Cherokee Park)	Do.	534	13	72.2	− 0.8	92	22	48	30	26	3.93	.....	1.50	0	8	.....	.....	.....	.....	W. D. Farnsley.
Pilcher (Dam 43)	Meade	363	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
				.....	.....	.....	.....	.....	.....	.....	6.16	+2.16	2.52	0	9	24	3	3	.....	Sisters of Loretto.
St. John	Hardin	777	26	72.8	+ 0.5	95	22	46	30	32	6.02	+2.34	2.05	0	8	12	12	6	sw.	E. B. Wilson.
Scott¶	Kenton	900	25	72.1	+ 0.5	98	22	47	30	31	3.89	−0.57	1.80	0	9	14	6	10	sw.	Mrs. W. T. Miller.
Shelbyville	Shelby	825	32	72.7	− 0.8	96	22	45	30	32	3.35	−0.91	1.43	0	9	22	3	5	n.	E. D. Bourne.
Taylorsville	Spencer	489	20	¶74.0	+ 1.5	94	22	50a	29	26a	3.32	−0.52	1.05	0	9	17	9	4	w.	Mrs. E. S. Humlong.
Williamstown	Grant	943	19	72.5	+ 1.3	96	21†	46	30	30	4.93	.....	1.06	0	9	.....	.....	.....	.....	J. C. Stinson.
Woodbury	Butler	533	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ages	Harlan	1265	1	.....	.....	.....	.....	.....	.....	.....	3.25	.....	0.90	0	7	24	0	6	sw.	W. B. Shaw.
Ashland	Boyd	534	4	74.4	.....	96	22	50	9†	34	5.32	+0.58	1.78	0	9	15	6	9	w.	Mrs. Sabina E. Hall.
Beattyville	Lee	650	18	74.2	+ 1.5	96	22	49	30	32	7.65	+3.10	5.38	0	10	10	9	11	sw.	Frank Montgomery.
Berea	Madison	1070	18	¶73.4	+ 0.5	93	22	51a	14	28a	2.10	.....	0.90	0	5	.....	.....	.....	.....	P. H. Kehoe.
Cynthiana	Harrison	684	5	.....	.....	.....	.....	.....	.....	.....	2.41	−1.76	0.55	0	8	18	9	3	s.	J. V. Oldham.
Falmouth	Pendleton	600	34	.....	.....	.....	.....	.....	.....	.....	3.01	−1.53	0.73	0	7	12	13	5	ne.	Mrs. Edna Tinsley.
Farmers	Rowan	668	13	¶73.4	+ 2.2	97	22	46e	30	34e	8.98	+4.98	4.44	0	10	17	10	3	sw.	Dr. Dan. Fortune.
Jackson	Breathitt	776	9	73.4	.....	93	22	50	30	27	3.13	−1.91	0.93	0	9	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	16	.....	.....	.....	.....	.....	.....	.....	4.52	+0.19	0.88	0	10	19	7	4	w.	Harry M. Robinson.
Maysville	Mason	524	25	74.7	+ 1.8	99	22	50	30	32	4.01	−0.48	1.75	0	10	20	9	1	.....	B. H. Perkins.
Middlesboro	Bell	1128	25	73.4	+ 1.0	93	21	47	30	35	3.28	−1.85	0.79	0	8	19	5	6	w.	W. R. McKee.
Mount Sterling	Montgomery	920	33	73.0	+ 0.6	94	22	46	30	33	.....	.....	0.85	0	7	.....	.....	.....	.....	Chas. Folsom.
Oliver	Greenup	540	3	.....	.....	.....	.....	.....	.....	.....	3.71	.....	1.07	0	7	.....	.....	.....	.....	Andrew M. Stanforth.
Oneonta	Campbell	443	1	.....	.....	.....	.....	.....	.....	.....	5.64	.....	2.36	0	9	.....	.....	.....	.....	I. M. Williams.
Pikeville	Pike	634	17	.....	.....	.....	.....	.....	.....	.....	5.96	+1.47	1.62	0	12	16	7	7	.....	I. W. Crooke.
Richmond	Madison	906	28	74.4	+ 1.0	96	22	51	29†	26	4.89	+0.95	1.37	0	13	17	11	2	se.	A. K. Williams.
Sergent	Letcher	1235	0	72.6	.....	93	22	47	30	33	4.12	.....	0.91	0	9	.....	.....	.....	.....	Samuel Johnson.
Vanceburg	Lewis	525	6	.....	.....	.....	.....	.....	.....	.....	4.09	+0.73	1.02	0	17	11	16	3	sw.	Mrs. Ruth Inman.
Williamsburg	Whitley	939	25	74.4	+ 0.9	95	23	46	30	35	4.24	−0.31	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes				73.8	.....	99	22	42	30	36	4.59	.....	5.38	0	9	16	8	6	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
T Precipitation is less than 0.01 inch rain or melted snow.
* Also on other dates. † Received too late to be included in means and summaries
¶ Post-office address, Covington, Ky.

western district, monthly amounts ranged between 2.0 and 4.0 inches. In the basin of the upper Kentucky, and along the Ohio River from Campbell County to Henderson County, thence southward to the Tennessee line, they ranged between 5.0 and 9.0 inches. Monthly precipitation at all stations varied from 2.10 inches at Cynthiana to 8.98 inches at Jackson. Thunderstorms were frequent in the periods 5-15th and 23d-28th.

MISCELLANEOUS.

June 2.—A youth was reported killed by lightning which struck a tree in the yard of his home at Lamasco, Ky.

June 6.—Lightning struck two street cars at Louisville, badly burning a passenger on one and severely shocking the motorman on the other.

Daily Precipitation for June, 1923

Stations	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Western Division.																																
Beaver Dam ‖ G	.15					.10	.10				.55	1.50	.10			.34												.60				3.44
Blandville M		T.				.04	.33			.92	.01				.18		.83									T	1.34					3.65
Calhoun G	.01				.17	T.	.05			.53	.16	4.97			T.	.31										.04	.30	.44				6.18
Earlington ‖ G	.04	T.				.55	.05				.95	1.76	.16			2.61							.62				.99				7.14
Greenville G						.54					2.23	1.60	.04			.61									.01	.85	.72					6.80
Henderson ‖ O	.42					.70	.15	.03		1.70		.80	.25			T.											.42	.60				5.07
Hopkinsville ‖ C						2.09	.21	.14			.75	.17	.12			2.99		T.										1.80				8.40
Marion O	T.				T.	T.	.04			.58	T.	1.66			T.											T	.25	.55				2.45
Mayfield M										.50	1.20	.18			.05							.50					1.00				3.43
Owensboro ‖ O	.16	T.			T.	.60	.02	.06			.90	3.40	.64			.06											.65	1.06	.04			6.99
Paducah (Lone Oak) O										.92	.25				.05																
Paducah ‖ O							.06			T.	.84	.30														.36	1.25				2.77
Princeton G	.01				.27	.01				.37	1.46	.39			T.		.09					T.				T.	1.40				2.60
Russellville ‖ G					.05	.17	.43	.08			.85	.15	.08			1.23						.45				.87	.13	.65			3.38
Central Division.																																4.26
Anchorage O					.08	1.23	T.			.42	.69	1.95			.65									T	T.	*	.33				5.35
Bardstown ‖ S											.81	1.40	.60			1.15											.35				4.31
Bowling Green ‖ G	.65					.14	.15	.76			.70	.10	.15			.20						.74					1.17	T.			4.16
Brownsville ‖ G						.24	.78				.66	.92	.16									.08					.93				3.77
Burnside ‖ C	T.				T.	T.	.02	.20			.35	.56	.04								.20				T.		.85	T			2.22
Carrollton ‖ (Lock No. 1) O					.09	1.05		1.66				1.28	.36	.26		.23								1.26			.17	.25			6.61
Cloverport ‖ O	.17				T.	.58	.17				.75	1.57	.47			.11											.22	1.65	.01			5.13
Eubank ‖ C						.17	.30				.50	.60	.20							.04		.15		.20			.25	.65			2.46
Frankfort ‖ K						.13	.17				.83	.45	.49			.60										.39	T.	.18	.10			3.34
Franklin G																																
Glasgow G						1.03	.22	.24		.14	.50	.27										.65					.95	.45				4.45
Greensburg ‖ G					.11		.30				.62	.82	.08			.15											.75	.01				2.84
High Bridge ‖ K		.39			.03	.18	.25				.93	2.10	1.15														.19	.03				5.25
Irvington O					T.	.51	.12			.11	.92	1.15			.11												.35	.29				3.56
Junction City K		.01			T.	.41		.11		.27	.94	2.55	.01			.01											.65	.03				5.39
Leitchfield G					.50	.18				.83	3.61	.23				.13						.27				.10	.75	.23				6.88
Lexington *** K					.03	.36				.79	1.06	.70			.46			T.					T.	T.		.07	.08				3.55
LOUISVILLE *** O					1.42	1.18	.04			1.02	.50	1.44			.21								.02	T.	T.	.22	.14				6.28
Do. (Cherokee Park) O					.91	.63	.51			T.	1.38	2.27			.40										T.	.24	.33				6.67
Pilcher (Dam 43) ‖ O	T.					.10	.40	T.			.95	1.50	.10			.42											T.	.26	.10			3.33
St. John ‖ S	.30					.45	.32	.05			.91	2.52	.61			T.						T.					.85	.15				6.16
Scott L					.03	.06	1.25			T.	1.12	.45			.67										2.05		T.	.39				6.02
Shelbyville ‖ S					.25		.45				1.80	.33	.32			.25										.04		.33	.12			3.89
Taylorsville S					T.	.02	.23			.41	1.43	.57			.03											.28	.18	.20				3.35
Williamstown ‖ L					.06	1.05	.06				1.00	.32	.18			.31												.20				3.32
Woodbury ‖ G						.27		.33			.97	.85	.35			1.06						.02					1.63	.05				4.93
Eastern Division.																																
Ages K																																
Ashland O																																
Beattyville ‖ K					.05		.27	.78	.05		.90	.52	.25			.88											.10	.05	.55			3.25
Berea K						.09	.88	.37			.60	1.78	1.62										T.				.08	.09				5.32
Cynthiana ‖ K						T.		.10		.03	.77	5.38	.02			.08											.02	.01				7.65
Falmouth ‖ L							.21	.05			.90	.60	.40			.10		T.	T.									T.				2.10
Farmers L	.44			.24		T.	.40				.95	.25	.24			.32												.17	.22			2.41
Jackson ‖ K											.62	.73	.20															T.	.38			3.01
Louisa ‖ B						.05	.17				.70	4.44	.60						.10					1.76	.11	.82	.23					8.98
Maysville ‖ O						.17				T.	.48	.93	.07			.23							.62	.08		T.	.35	.20				3.13
Middlesboro C					.19	.85	.44	T.			.88	.60	.56			T.			.40	.09							.23	.28				4.52
Mount Sterling ‖ L							.46	.11			1.75	.27		.02									12	.25	.27		.63	.13				4.01
Oliver ‖ O						.18	.21	T.			.66	.79	.70			T.			.31									.05	.38			3.28
Oneonta ‖ O											.85	.70	.44			.30				.45								.65	.32			3.71
Pikeville ‖ B						.92	1.00				.65	.99	.38												1.07			1.03				5.64
Richmond ‖ K								.28			.82	2.36	.54			.06										.52		.18	.26			5.96
Sergent K					.08	.05	.70	.06			.58	1.62	1.02			.10			.34							.05		.24	.01			4.89
Vanceburg ‖ K					.06	.23		.02			1.15	1.37	.29					.02						.65	.02	.02	.07	.05	.17			4.12
Williamsburg ‖ C				T.	.87	.14	.24	.01			.70	.11	.15	.05				.02	.11		.10		.14	.04	.22	.14	1.02	.18				4.24

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

June 15.—A heavy rain washed away buildings, fences, and livestock along Mulberry Creek, Shelby County.

June 19.—A death at Louisville was attributed to heat prostration.

June 27.—Many barns and outbuildings were blown down during a windstorm at Williamsburg.

Rivers:—Except for sharp rises in headwater streams and a moderate rise in the Ohio River, caused by the rains of the 11-12th, moderate stages prevailed during the month.

Daily Temperatures for June, 1923.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	85	89	90	91	87	85	90	84	80	75	78	85	84	86	88	90	90	93	91	95	97	98	95	94	93	91	86	80	72	76	..	87.3
	Minimum	65	62	60	64	66	66	66	62	54	50	60	67	64	54	60	64	67	67	67	64	67	66	70	68	70	72	68	65	50	46	..	63.0
Blandville	Maximum	78	82	83	85	86	76	85	78	73	73	80	69	81	83	78	84	84	85	87	88	91	92	88	85	87	92	91	80	71	73	..	82.8
	Minimum	66	65	63	65	69	65	63	64	61	58	67	62	58	61	66	65	68	67	68	68	69	70	69	69	70	71	73	68	67	49	..	64.5
Calhoun	Maximum	82	85	87	89	85	85	85	84	77	74	80	73	81	84	81	84	86	89	89	92	93	98	90	89	90	90	89	82	70	73	..	84.2
	Minimum	68	63	64	65	71	67	65	63	58	61	68	65	59	59	64	66	69	69	68	68	68	70	69	71	72	64	65	49	50	46	..	64.9
Earlington	Maximum	81	86	88	90	85	85	88	85	80	75	81	71	84	87	84	87	91	91	91	94	95	96	91	92	90	92	88	84	72	76	..	86.0
	Minimum	63	63	65	64	66	68	66	64	58	59	69	65	54	57	61	64	66	66	66	64	65	67	69	69	71	73	68	65	48	46	..	63.5
Greenville	Maximum	82	84	86	88	..	83	86	87	78	..	82	78	81	86	91	88	89	93	90	93	93	98	89	89	90	86	86	75	75	46	..	*85.7
	Minimum	62	57	58	61	..	65	63	61	54	55	..	62	53	55	60	63	66	64	63	62	67	66	65	68	71	72	66	47	46	..	..	*61.2
Hopkinsville	Maximum	83	88	91	93	86	87	89	86	84	78	85	81	84	88	85	87	90	92	93	96	97	97	93	90	89	90	90	71	73	74	..	88.0
	Minimum	65	61	60	63	69	65	64	63	59	62	68	63	54	68	62	63	67	66	66	64	68	69	68	68	69	71	72	64	49	47	..	63.9
Marion	Maximum	79	83	85	87	86	80	84	86	79	75	77	75	79	84	86	80	86	87	88	90	94	95	90	86	87	92	93	85	76	71	..	84.6
	Minimum	67	66	66	67	69	67	64	63	60	59	63	63	57	63	67	64	70	69	72	71	70	72	70	70	70	73	65	68	68	51	..	65.4
Mayfield	Maximum	83	83	85	86	88	84	86	81	79	80	80	76	82	83	85	85	86	88	90	92	93	96	90	87	92	93	88	86	74	75	..	86.0
	Minimum	64	66	66	65	69	68	64	67	66	65	69	63	56	62	69	68	66	68	68	71	68	65	70	72	74	75	73	68	49	50	..	64.3
Owensboro	Maximum	79	83	84	86	83	83	83	78	75	75	79	72	81	83	81	85	87	87	88	91	94	95	89	89	88	89	81	78	69	72	..	82.8
	Minimum	66	63	63	64	64	66	65	61	58	59	66	56	57	58	63	65	67	68	67	67	67	70	68	69	72	72	65	68	48	49	..	63.5
Paducah (Lone Oak)	Maximum	83	85	89	92	89	87	89	87	82	78	85	75	86	89	83	87	89	90	91	94	93	94	85	81	94	95	94	93	75	77	..	87.0
	Minimum	65	64	66	66	70	69	65	65	62	56	68	64	66	61	66	66	66	66	68	67	68	68	69	69	70	72	73	72	65	50	50	65.3
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	77	80	82	83	83	78	..	..	..	..	..	..	..	..	85	80	83	85	88	88	92	93	94	90	89	89	93	89	79	70	73	*84.5
	Minimum	65	62	63	62	69	66	..	..	..	..	..	..	..	..	60	63	64	67	66	66	66	67	72	70	68	70	72	69	64	56	68	*64.7
Russellville§§	Maximum	82	87	89	90	85	85	82	79	76	71	84	67	79	86	84	89	90	91	91	94	93	98	91	89	90	93	90	86	76	70	76	84.8
	Minimum	64	61	60	63	66	65	63	64	56	60	67	65	54	54	56	65	66	64	69	63	61	66	66	68	68	69	70	64	56	46	..	62.4
Central Division.																																	
Anchorage	Maximum	83	85	85	90	83	87	85	78	79	78	79	68	77	85	84	87	90	91	91	93	94	96	92	91	91	88	80	74	72	74	..	84.3
	Minimum	63	60	61	63	62	65	64	57	53	54	60	59	55	49	59	57	58	65	68	62	63	64	66	66	64	62	58	58	73	76	..	59.3
Bardstown	Maximum	84	87	89	90	88	88	86	79	80	81	82	70	78	82	83	87	90	91	91	92	93	94	91	92	87	86	85	78	73	76	..	85.1
	Minimum	63	62	64	67	72	67	66	60	55	58	64	62	55	51	60	61	66	68	68	66	65	67	70	68	69	72	61	63	52	46	..	62.9
Bowling Green	Maximum	87	90	93	93	88	87	91	86	83	76	84	75	84	88	88	90	91	94	94	97	98	99	94	90	95	93	88	77	75	77	..	88.2
	Minimum	63	60	63	64	69	65	65	65	55	57	66	64	56	53	58	66	66	67	67	65	64	67	68	68	70	68	68	64	64	49	..	63.3
Eubank	Maximum	85	87	90	90	85	83	83	78	80	84	82	76	79	83	84	90	92	92	92	90	93	93	89	88	88	87	86	77	72	72	..	85.1
	Minimum	62	60	61	61	64	65	67	62	55	54	66	64	58	48	54	62	62	62	64	63	63	64	66	67	67	66	60	60	49	50	..	60.7
Frankfort	Maximum	87	87	89	91	88	89	86	84	79	83	81	72	77	83	87	87	89	93	93	94	95	98	96	92	92	87	86	77	70	75	..	86.2
	Minimum	64	63	65	68	71	67	66	61	56	61	61	61	57	62	62	61	65	68	68	66	67	68	70	70	69	70	63	63	52	48	..	63.4
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Glasgow	Maximum	82	85	89	91	84	83	87	81	78	78	82	72	82	85	85	87	89	91	91	95	95	95	90	88	90	90	88	80	70	74	76	*85.1
	Minimum	65	61	63	66	70	66	66	65	55	58	70	62	57	62	66	66	66	69	68	66	65	68	68	72	70	71	67	52	52	48	..	63.4
Greensburg	Maximum	82	84	86	88	84	82	84	78	76	81	81	73	79	81	83	86	88	90	90	92	93	93	89	89	87	87	87	78	70	73	..	83.8
	Minimum	60	56	61	60	65	63	65	62	50	50	64	61	54	48	55	60	62	64	64	61	65	64	64	65	65	68	62	62	48	42	..	59.6
Irvington	Maximum	82	84	86	87	86	85	83	78	76	79	70	75	83	82	86	88	90	89	91	92	93	89	89	91	89	85	74	70	75	78	..	83.5
	Minimum	62	62	64	66	71	66	66	61	57	60	66	62	57	61	62	64	68	67	69	65	67	70	73	69	69	70	62	60	52	49	..	63.9
Junction City	Maximum	83	84	89	88	84	78	82	80	81	78	80	76	79	83	81	87	89	90	89	94	95	98	94	93	95	91	89	88	80	82	72	84.2
	Minimum	59	60	61	63	67	63	62	61	56	59	64	61	56	48	56	59	61	63	64	62	63	64	65	67	68	69	60	59	48	43	..	60.1
Leitchfield	Maximum	81	84	86	88	81	82	81	79	78	74	81	70	79	84	82	87	89	89	89	92	93	95	89	89	89	89	87	78	70	74	..	83.4
	Minimum	65	61	62	64	69	66	66	63	56	57	66	61	52	53	61	65	67	66	66	64	69	69	69	69	68	72	62	63	51	48	..	63.0
Lexington	Maximum	82	87	87	90	84	81	82	74	75	80	74	63	76	80	81	86	91	90	89	91	92	96	91	86	85	84	77	67	73	78	..	82.3
	Minimum	68	69	71	71	69	66	68	59	55	59	61	60	57	62	64	64	69	73	71	76	74	77	78	74	73	71	59	57	56	60	53	65.7
Louisville	Maximum	82	86	87	89	83	85	83	75	78	79	76	66	75	84	83	87	90	92	96	98	98	98	91	90	91	90	87	76	71	70	74	83.5
	Minimum	68	67	68	69	67	66	67	61	59	61	61	60	57	63	68	68	70	73	71	76	74	77	78	74	73	71	59	57	56	60	54	65.7
Do (Cherokee Park)	Maximum	81	83	84	86	85	82	81	74	78	74	78	70	73	79	80	83	85	87	87	89	92	96	93	90	87	86	86	85	73	67	70	81.4
	Minimum	65	63	64	65	70	65	65	59	54	58	61	61	55	59	61	60	66	67	68	65	67	68	71	70	67	73	62	63	51	48	..	62.9
St. John	Maximum	80	83	87	89	82	85	86	78	77	77	82	69	79	84	84	86	89	91	90	93	95	98	93	90	90	89	82	75	72	73	..	84.0
	Minimum	63	59	61	63	66	65	66	60	55	56	64	61	54	52	59	62	66	69	67	66	67	67	68	67	66	67	71	59	59	48	47	61.6
Scott	Maximum	85	86	90	89	85	85	82	77	73	75	72	65	74	88	80	85	85	90	90	95	92	95	96	97	97	95	91	87	86	75	78	82.8
	Minimum	63	62	65	66	66	66	64	55	51	51	57	59	59	52	61	66	65	67	65	65	64	67	70	70	65	71	59	59	48	47	..	63.0
Shelbyville	Maximum	83	85	87	88	85	86	83	77	77	79	76	67	76	83	82	86	88	90	89	90	89	94	94	91	91	90	86	77	78	61	49	83.5
	Minimum	63	62	65	67	68	65	65	58	52	58	59	59	55	51	61	59	66	68	67	66	67	68	69	68	70	69	66	70	68	62	55	61.9
Taylorsville	Maximum	84	85	87	91	86	86	85	77	77	79	78	68	78	82	83	84	89	89	89	92	93	94	91	89	89	84	85	75	71	74	..	*84.3
	Minimum	62	60	63	69	71	65	66	59	52	54	62	63	58	56	68	66	63	65	65	71	71	70	70	72	71	71	74	62	62	50	..	65.9
Williamstown	Maximum	86	88	89	92	86	85	82	80	78	74	81	70	78	81	80	86	89	91	91	93	96	96	94	91	89	86	84	73	70	75	..	84.0
	Minimum	63	62	66	67	66	65	64	55	50	58	56	58	53	52	60	58	64	66	65	66	66	70	70	67	64	69	59	60	47	46	..	61.1
Eastern Division.																																	
Ages	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Ashland	Maximum	88	86	91	87	89	89	89	83	83	80	76	68	79	84	86	88	87	92	93	93	93	96	93	92	91	90	90	82	72	74	..	86.0
	Minimum	66	64	64	65	69	68	72	63	50	54	60	54	51	54	52	62	62	64	65	65	65	68	66	69	70	70	77	62	55	50	..	62.8
Beattyville	Maximum	89	88	90	92	87	82	86	82	80	83	84	78	80	85	85	89	93	93	93	94	94	94	93	93	93	90	88	86	79	67	..	86.7
	Minimum	60	62	64	62	64	66	74	63	50	53	63	64	60	55	60	60	61	66	64	64	64	64	63	67	66	66	65	64	63	58	49	61.6
Berea	Maximum	82	83	85	87	83	80	83	78	74	81	80	75	76	80	85	85	88	90	90	92	93	93	90	88	89	89	85	79	67	72	..	*83.5
	Minimum	64	62	63	66	70	68	67	63	53	58	63	62	60	51	59	60	65	65	65	68	70	70	70	65	67	72	63	60	57	52	..	63.2
Farmers	Maximum	87	90	92	91	89	89	87	81	79	84	78	76	80	85	85	90	90	95	92	95	96	97	97	95	95	93	87	86	78	72	..	86.9
	Minimum	62	67	62	60	67	62	67	61	47	52	59	60	58	51	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Jackson	Maximum	84	86	89	91	86	82	84	78	75	81	82	75	77	80	83	86	89	90	89	90	89	90	91	93	90	91	84	80	71	74	..	84.1
	Minimum	61	64	65	65	67	65	63	65	57	55	64	64	60	59	59	60	62	66	69	66	66	67	67	67	68	67	66	62	62	55	50	62.8
Maysville	Maximum	89	90	94	94	88	89	89	88	79	80	73	69	79	85	89	88	91	95	90	94	97	99	96	93	94	93	89	84	73	76	..	86.7
	Minimum	65	63	65	64	68	66	66	59	53	58	60	61	57	53	63	62	64	66	65	64	66	69	70	71	68	67	66	63	62	50	50	62.7
Middlesboro	Maximum	88	87	89	89	86	87	89	80	78	82	81	78	82	85	89	91	92	91	91	94	93	96	91	89	90	88	87	81	82	73	74	85.7
	Minimum	57	60	63	59	65	67	65	50	52	66	66	61	56	53	62	66	66	64	64	64	64	63	63	65	65	65	64	64	64	57	47	61.2
Mount Sterling	Maximum	85	86	89	90	89	86	86	76	78	80	80	66	77	85	88	87	90	90	90	91	92	94	96	93	91	91	90	86	82	74	76	84.7
	Minimum	63	65	63	63	66	66	66	59	49	54	59	62	57	52	60	59	63	66	65	65	65	67	67	67	68	68	68	66	66	56	46	61.3
Richmond	Maximum	85	87	88	92	85	82	83	79	80	82	79	70	78	82	82	88	90	91	91	92	94	96	93	91	88	85	86	82	74	75	78	84.5
	Minimum	65	66	67	69	69	67	68	61	54	58	63	63	59	56	64	62	67	70	68	69	71	71	71	71	71	71	71	68	68	60	51	64.4
Sargent	Maximum	83	86	89	89	86	85	86	78	76	85	82	81	77	81	85	87	90	87	90	87	90	90	93	91	83	85	88	86	82	76	75	84.4
	Minimum	58	62	60	62	64	64	64	65	51	52	55	63	62	56	56	60	60	65	61	65	66	64	67	66	65	66	64	65	66	57	47	60.9
Williamsburg	Maximum	85	87	91	91	86	90	88	81	78	86	86	69	81	80	85	89	90	93	91	92	94	96	94	95	86	88	90	91	83	77	78	*86.9
	Minimum	59	58	64	61	65	66	67	68	51	51	66	66	60	57	54	62	63	66	63	64	65	64	66	67	65	67	64	66	66	46	..	61.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, ‡, etc. indicate respectively 1, 2, 3 etc., days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., JULY, 1923. No. 7

GENERAL SUMMARY.

Sunshine much above normal and temperatures averaging near normal, with moderate maxima, were decidedly favorable for growth of the staple crops and for farm activities. Rain sufficient for the needs of vegetation occurred in the eastern half of the State, although its distribution over that district was quite irregular. In a considerable area lying east of Jefferson County, rain interfered with thrashing during the first two weeks, otherwise this work has proceeded without delay and had been completed in the more accessible districts by the end of the month. Yields of wheat were fair to good, and of oats poor to fair; while the quality of grain was good to excellent on account of its thoroughly dry condition. In the southeastern counties cultivation was delayed by heavy rains during the first week, but the weather was satisfactory for this work in other sections. In the western counties the deficiency in rainfall became more pronounced as the month advanced, and indications of drought appeared in the hilly districts, where early corn began to "fire" and the growth of of late corn and tobacco was retarded. Except in the middle western counties during the last two weeks, corn grew rapidly making further gains that placed the early plantings practically abreast of the season. Early corn tasselled and silked with soil moisture and temperature generally suitable for fertilization. The weather was favorable for the growth and cultivation of tobacco in the burley district, where the crop made seasonal advancement. Topping began during the second week. Rain was needed in the dark district to cause the plants to spread. Pastures continued good in the bluegrass region, but they steadily declined in other sections, becoming quite short and badly dried in the western hilly district. Timothy hay harvest was completed, and the second crop of alfalfa was cut, with conditions generally ideal for curing. Much baling of hay was done in the fields. Early potatoes were dug and marketed without serious hindrance by adverse weather. Planting of the late crop proceeded satisfactorily in the east, but was hampered in the west by dry soil. Gardens and truck crops continued good, but suffered for rain in the western counties. Blackberries were plentiful where precipitation reached or exceeded the normal amount.

TEMPERATURE.

The average temperature for the month, 41 stations reporting, was 76.8°, which was 0.1° above normal. The spell of cool weather at the close of the preceding month continued through the first three days of July, after which there was little variation in temperature. Maximum temperatures were moderate and remarkably uniform, registering from 90° to 95° daily in the period 4—27th. Extremes at the various stations ranged between 99° at Bowling Green on the 15th, at Greenville and Lone Oak on the 24th, and 44° at Eubank on the 1st.

PRECIPITATION.

The average precipitation for the month, based on reports from 57 stations, was 3.59 inches, which is 0.71 inch below normal. The distribution over the State was remarkably irregular. In the western half of the State amounts for the month ranged generally from 2.00 to 3.50 inches, although several stations in the basin of the lower Green and westward reported less than 1.00 inch. There was also a marked deficiency in the northern bluegrass region, where amounts ranged between 1.50 and 2.25 inches. In other eastern districts, and from the Salt River basin northward, precipitation varied greatly but was generally above normal and between 4.00 and 6.00 inches at

(Continued on next page.)

PRESSURE AND WIND.

Stations.	Atmospheric Pressure (in inches reduced to sea-level)					Wind.				
								Max. Velocity.*		
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Miles per hour	Direction	Date
Cairo ..... Ill.	29.98	30.21	2	29.76	24	3932	5.3	32	nw.	12
Cincinnati ..... Ohio	30.00	30.25	2	29.70	24	3685	5.0	32	n.	6
Evansville ..... Ind.	30.00	30.22	2	29.77	28	5570	7.5	30	nw.	5
Lexington ..... Ky.	30.01	30.24	2	29.75	28	6979	9.4	44	nw.	24
Louisville ..... Ky.	30.02	30.23	2	29.74	24	5609	7.5	48	nw.	12

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	83	54	61	387.2	447.1	87	23	0
Cincinnati ..... Ohio.	77	53	59	322.6	452.3	71	13	1
Evansville ..... Ind.	73	48	54	344.2	449.8	77	17	1
Lexington ..... Ky.	78	55	.....	281.2	449.8	63	11	5
Louisville ..... Ky.	76	59	67	360.4	449.8	80	17	0

COMPARATIVE DATA FOR JULY.

Year	Temperature.				Precipitation.		
	Monthly average.	Departure from 36-year normal.	Highest	Lowest.	Monthly average.	Departure from 36-year normal.	No. of days with .01 in. or more rain.
1889	75.1	— 1.6	98	50	5.62	+1.32	..
1890	73.0	— 3.7	101	44	2.66	—1.64	..
1891	74.0	— 2.7	91	47	4.08	—0.22	..
1892	76.5	— 0.2	100	48	3.30	—1.00	..
1893	78.8	+ 2.1	101	50	3.48	—0.82	..
1894	76.2	— 0.5	105	43	2.03	—2.27	..
1895	75.2	— 1.5	99	49	5.75	+1.45	9
1896	77.4	+ 0.7	103	47	7.44	+3.14	11
1897	77.8	+ 1.1	107	50	4.79	+0.49	10
1898	77.8	+ 1.1	102	48	4.71	+0.41	11
1899	77.3	+ 0.6	100	47	3.78	—0.52	9
1900	77.9	+ 1.2	101	50	4.91	+0.61	11
1901	81.7	+ 5.0	112	48	1.72	—2.58	5
1902	78.1	+ 1.4	107	48	1.91	—2.39	6
1903	77.5	+ 0.8	104	49	3.53	—0.77	8
1904	75.2	— 1.5	99	46	3.40	—0.90	10
1905	75.9	— 0.8	102	52	5.93	+1.63	13
1906	75.2	— 1.5	100	51	6.02	+1.72	11
1907	78.1	+ 1.4	102	40	4.71	+0.41	9
1908	76.9	+ 0.2	100	50	3.94	—0.36	10
1909	74.8	— 1.9	99	48	6.01	+1.71	11
1910	76.2	— 0.5	96	51	8.63	+4.33	16
1911	75.8	— 0.9	105	42	2.28	—2.02	7
1912	76.8	+ 0.1	100	53	5.50	+1.20	12
1913	79.9	+ 3.2	109	48	2.54	—1.76	7
1914	78.8	+ 2.1	103	43	3.20	—1.10	6
1915	75.7	— 1.0	102	49	5.30	+1.00	11
1916	78.6	+ 1.9	102	52	4.17	—0.13	9
1917	75.3	— 1.4	100	50	4.38	+0.08	11
1918	73.8	— 2.9	103	46	3.28	—1.02	8
1919	79.5	+ 2.8	104	50	2.10	—2.20	5
1920	75.2	— 1.5	99	44	3.83	—0.45	9
1921	81.1	+ 4.4	106	52	2.65	—1.65	7
1922	76.4	— 0.3	102	47	4.77	+0.47	9
1923	76.8	+ 0.1	99	44	3.59	—0.71	8

Climatological Data for July, 1923.

Station	County	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days. With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	19	77.4	− 0.4	97	24	50	1	35	1.30	−2.68	0.70	0	4				s.	Miss Addie B. Taylor
Blandville	Ballard	445	41	77.4	− 0.8	95	24	56	1	25	2.16	−1.73	0.83	0	6	14	11	6	sw.	E. W. Horr.
Calhoun	McLean	437	19	77.8	− 0.2	97	24	56	2	30	0.72	−3.50	0.43	0	5	14	15	2	se.	W. A. Taylor.
Earlington	Hopkins	420	32	78.0	− 0.4	97	24	51	1	34	1.67	−2.43	0.55	0	8	25	4	2	sw.	Brick Southworth.
Greenville	Muhlenburg	519	6	[b]76.6	.....	99[b]	24	50[b]	1	35[b]	0.66	.....	0.42	0	4	17[b]	11[b]	1[b]	s.	C. R. Lovell.
											1.98	−1.36	0.70	0	5					W. W. Shelby.
Henderson	Henderson	327	14	.....	.....	.....	.....	.....	.....	.....	3.34	−0.69	1.93	0	8	24	5	2	s.	W. E. Graves.
Hopkinsville	Christian	524	26	78.9	+ 0.1	98	24	53	1	34	0.21	−3.72	0.15	0	2	16	12	3	sw.	B. C. Paris.
Marion	Crittenden	571	24	79.2	+ 1.4	96	24†	55	1	28	2.88	−1.14	1.30	0	5	23	7	1	sw.	N. E. Douthit.
Mayfield	Graves	364	11	78.7	+ 0.8	96	24	49	1	34	2.40	−1.45	1.54	0	7	25	2	4	s.	Henry S. Berry.
Owensboro	Daviess	479	26	76.8	− 1.2	95	24	55	1	29										
											1.25	.....	0.70	0	3	23	6	2	e.	J. W. Lilley.
Paducah (Lone Oak)	McCracken	516	5	80.1	.....	99	24	50	2	40	1.67	−2.31	0.63	0	5	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	34	.....	.....	.....	.....	.....	.....	.....	2.18	−1.44	0.69	0	8	8[b]	17[b]	4[b]	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	12	[b]77.0	− 1.6	96[b]	24	54[b]	2	32[b]	4.32	−0.69	1.71	0	8	23	8	0	s.	E. C. Shelton.
Russellville	Logan	590	9	77.2	− 0.5	96	12†	50	1	32										
Central Division.																				
Anchorage	Jefferson	700	22	76.2	+ 0.2	93	15†	49	1	33	7.79	+3.35	2.52	0	8	23	8	0	sw.	C. E. Barret.
Bardstown	Nelson	637	26	77.2	− 1.3	94	6	53	1	31	3.19	−1.29	1.65	0	10	16	4	11	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	32	79.2	+ 0.3	99	12†	53	1	35	2.62	−1.84	0.80	0	8	17	8	6	s.	Mrs. Lillie G. Causey
Brownsville	Edmonson	410	5	.....	.....	.....	.....	.....	.....	.....	3.37	.....	0.98	0	7	.....	.....	.....	.....	Earl Holder.
Burnside	Pulaski	773	30	.....	.....	.....	.....	.....	.....	.....	6.75	+1.86	2.00	0	11	.....	.....	.....	.....	F. E. Bradshaw.
																				Charlie Oliver.
Carrollton (Lock No. 1)	Carroll	422	23	.....	.....	.....	.....	.....	.....	.....	2.36	−1.04	0.74	0	7	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	375	9	.....	.....	.....	.....	.....	.....	.....	2.63	−1.20	0.86	0	7	.....	.....	.....	.....	Mrs. Katie Payne.
Eubank	Pulaski	1177	28	75.4	+ 0.5	93	5†	44	1	39	3.24	−1.30	2.35	0	8	7	19	5	s.	Sidney Wood.
Frankfort	Franklin	560	29	77.5	+ 0.6	94	15	51	1	30	2.48	−1.63	0.75	0	6	21	4	6	s.	
Franklin	Simpson	691	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
																				Dr. Fidella Edwards.
Glasgow	Barren	780	1	78.0	.....	97	15	52	1	32	2.19	.....	0.80	0	8	25	4	2	s.	Mrs. Bettie K. H. Alcorn
Greensburg	Green	581	30	75.0	− 1.6	93	12†	45	1	35	2.99	−1.60	0.97	0	11	4	1	26	se.	Miss Lulu Wood.
High Bridge	Jessamine	550	20	.....	.....	.....	.....	.....	.....	.....	4.53	+0.21	1.01	0	10	.....	.....	.....	.....	W. J. Piggott.
Irvington	Breckenridge	646	25	77.4	0.0	93	24	54	1	27	1.84	−1.71	1.19	0	5	16	10	5	sw.	William E. Grubbs.
Junction City	Boyle	985	29	74.7	− 0.7	93	15	47	1	35	5.30	+1.00	1.37	0	10	14	13	4	s.	
Leitchfield	Grayson	635	27	76.8	+ 0.2	94	15†	53	1	29	3.35	−0.79	1.85	0	3	20	11	0	w.	John E. Stone.
Lexington	Fayette	989	35	76.6	0.0	90	15	56	1	26	5.01	+0.57	1.15	0	12	13	13	5	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	50	78.3	− 0.3	93	15	57	1	26	4.05	+0.31	1.31	0	9	10	14	7	ne.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	13	75.5	− 1.0	89	11†	52	1	25	5.09	−0.02	1.95	0	9	17	13	1	sw.	Wm. I. Hunt.
Pilcher (Dam 43)	Meade	363	0	.....	.....	.....	.....	.....	.....	.....	5.27	.....	1.90	0	6	.....	.....	.....	.....	W. D. Farnsley.
																				.....
St. John	Hardin	777	26	76.2	+ 0.5	95	15	51	1	33	4.52	+0.97	2.70	0	5	20	6	5	.....	Sisters of Loretto.
Scott¶	Kenton	900	25	75.2	− 1.4	94	20	52	1	32	2.13	−1.21	0.68	0	10	12	17	2	n.	E. B. Wilson.
Shelbyville	Shelby	825	32	76.2	− 0.7	93	15†	51	1	30	6.92	+2.82	2.06	0	9	12	8	11	w.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	20	[b]76.5	+ 0.4	91	6†	60[4]	20†	30[4]	5.67	+1.40	3.00	0	9	15	8	8	sw.	E. D. Bourne.
Williamstown	Grant	943	19	75.8	+ 0.1	94	20	50	1	31	1.42	−2.26	0.50	0	8	12	17	2	w.	Mrs. K. S. Humlong.
Woodbury	Butler	533	5	.....	.....	.....	.....	.....	.....	.....	1.91	.....	1.17	0	7	.....	.....	.....	.....	J. C. Stinson.
																				.....
Eastern Division.																				
Ages	Harlan	1265	1	.....	.....	.....	.....	.....	.....	.....	3.63	.....	1.25	0	7	21	1	9	sw.	W. B. Shaw.
Ashland	Boyd	534	4	76.4	.....	94	11	52	1†	34	3.63	+2.28	1.76	0	10	7	16	8	w.	Mrs. Sabina E. Hall.
Beattyville	Lee	650	18	76.6	+ 0.7	96	15	49	1	35	7.04	+0.28	0.98	0	9	12[b]	9[b]	8[b]	sw.	Frank Montgomery.
Berea	Madison	1070	18	[b]76.2	+ 0.1	92[b]	4†	58	20	31[b]	4.37	.....	0.55	0	6	.....	.....	.....	.....	P. H. Kehoe.
Cynthiana	Harrison	684	5	.....	.....	.....	.....	.....	.....	.....	2.10	.....	0.43	0	8	20	8	3	se.	J. V. Oldham.
Falmouth	Pendleton	600	34	.....	.....	.....	.....	.....	.....	.....	1.63	−2.12	1.05	0	9	14	10	7	ne.	Mrs. Edna Tinsley.
Farmers	Rowan	668	13	75.2	+ 0.3	94	5†	47	1	37	3.64	−1.66	1.74	0	9	18	12	1	sw.	Dr. Dan. Fortune.
Jackson	Breathitt	776	9	75.2	.....	90	12†	52	1	28	5.16	+1.13	1.86	0	12	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	16	.....	.....	.....	.....	.....	.....	.....	6.24	+2.88	1.37	0	11	16	8	7	e.	Harry M. Robinson.
Maysville	Mason	524	25	76.9	− 0.1	95	11	52	1	31	4.89	+0.35	1.00	0	11	25	6	0	.....	B. H. Perkins.
Middlesboro	Bell	1128	25	74.8	+ 0.1	93	12†	49	1	31	4.09	−1.41	1.37	0	12	19	7	5	w.	W. R. McKee.
Mount Sterling	Montgomery	930	33	75.5	− 0.3	94	15	49	1	32	5.28	+0.22	1.14	0	12	19	7	5	w.	Chas. Folsom.
Oliver	Greenup	540	3	.....	.....	.....	.....	.....	.....	.....	6.49	.....	2.10	0	8	.....	.....	.....	.....	Andrew M. Stanforth.
Omonda	Campbell	443	1	.....	.....	.....	.....	.....	.....	.....	3.36	.....	0.93	0	7	.....	.....	.....	.....	I. M. Williams.
Pikeville	Pike	634	17	.....	.....	.....	.....	.....	.....	.....	4.48	+0.49	1.26	0	11	.....	.....	.....	.....	J. W. Crooke.
Richmond	Madison	926	28	77.2	+ 0.3	93	15	53	1	30	4.08	+0.04	1.27	0	12	19	4	8	.....	A. K. Williams.
Sergent	Letcher	1235	0	74.7	.....	91	12†	49	1	31	3.78	.....	0.84	0	11	23	5	3	se.	Samuel Johnson.
Vanceburg	Lewis	525	6	.....	.....	.....	.....	.....	.....	.....	4.60	−0.37	1.48	0	9	.....	.....	.....	.....	Mrs. Ruth Inman.
Williamsburg	Whitley	939	25	76.8	0.0	97	15	49	1	35	5.70	−0.17	2.51	0	11	11	17	3	se.	
State averages and extremes				76.8	.....	99	12†	44	1	40	3.59	.....	3.00	0	8	17	9	5	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, [b], [4], appearing in the table indicate number of days missing; for example, b represents two days, etc.
T Precipitation is less than 0.01 inch rain or melted snow.
† Also on other dates. †† Received too late to be included in means and summaries
¶Post-office address, Covington, Ky.

most stations. Amounts at all stations ranged between 0.21 inch at Marion and 7.79 inches at Anchorage. Scattered showers in the extreme western counties, and moderate to heavy rains in the central and eastern districts, occurred in the period 6-8th. Showers occurred locally on the 12-13th, 16-17th, 23d-25th, 28-29th, and 31st. Thunderstorms were reported on 19 days, and were frequently accompanied by destructive lightning

MISCELLANEOUS.

July 5.—A farmer was killed by lightning in an open field near Harrodsburg.

July 13.—A heavy local rain caused extensive damage to crops and buildings along Lick Creek, Carroll County. A woman was badly burned by lightning in Owen County.

July 24.—One man was killed and another injured by lightning while swimming in the Ohio River near Dayton, Ky.

Daily Precipitation for July, 1923

Stations.	Day of month.																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam								.30																.70					.10		.28	1.38
Blandville				.34	.18								.16				.61							.04			.83					2.16
Calhoun					.02							.14				.43						T.					T.	T.		.12	.01	6.72
Darlington						.01		.04						.12			.55	.24							.09			.07			.50	1.07
Greenville							.01																.15					.42	.08			6.66
Henderson						.70							.53				.08						.55					T.			.12	1.98
Hopkinsville					.09	.07	.24						T.				1.93	.55							.14			.11			.21	3.34
Marion						T.											.15	.06										T.			T.	6.21
Mayfield					.41	.27							1.30				.50											.40				2.88
Owensboro						.02	T.	.02					1.54				.54						.09		T.			.04			.15	2.40
Paducah (Lone Oak)													.40															.70			.15	1.25
Paducah												60	.06				.14								.24			.63				1.67
Princeton					.65		T.						T			.21	.44					.01		.02			T.	.14		.69	.02	2.18
Russellville						.18		.09						.10			1.57							.04	.55			.08			1.71	4.52
Central Division.																																
Anchorage					.13		1.16					2.52				1.74							.19	.28				.23			1.54	7.79
Bardstown			.05			.05	1.65	.03					.13			.23	.10							.27	.28					.40			3.19
Bowling Green						.80	.05	.25					.15				.47						T.	.30	.45						.15	2.62
Brownsville						.17	.76	.41									.98						.05	.02							.98	3.37
Burnside		.21				.20	.95	.15					2.00				1.04						.06	.26	.56			.96	.36			6.75
Carrollton (Lock No. 1)							.40	.74					.68				.04							.30	.19				.01			2.36
Cloverport						.19	.71	.77					.86				.07						T.		.01			.02				2.63
Eubank						.10	2.35	.10									.18							.09	.12			.20	.10			3.24
Frankfort						T.	.53	T.					.53			.17	T.						T.	.45	.75			.05			T.	2.48
Franklin																																
Glasgow						.50	.25	.05								.80								.05	.10		.24	.20				2.19
Greensburg						.07	.97	.08								.22	.31							.21	.69		.06	.03	.28		.07	2.99
High Bridge						.71	.86	.26				1.01				.08	.83							.63				.19	.06		.40	4.53
Irvington		T.			.04		1.19					.28				.12						T.	T.	.21			T.					1.84
Junction City		.01			T.	.12	1.37	.29				T.		.02		.18								.81	T.		.39	1.30			.51	5.30
Leitchfield							1.17									1.85						T.	.33	T				T.				3.35
Lexington ***		T.			.04	.83	1.13	.02				.86				.24						.01	43	.66			T.	.04		.08	.67	5.01
Louisville ***		T.			.02	.89	.44					.80				1.31						T.	.39	.05			.01	T.		T.	.14	4.05
Do. (Cherokee Park)					.03	T.	1.06	.13				.96	T			*	1.95							.80				.09			.07	5.09
Pilcher (Dam 43)						T.	1.90	1.57					.33			.14								1.23	.10			T.				5.27
St. John						.22	1.20	2.70					T.				T.							.30	.10	T.						4.52
Scott	T.	.68			.06	.10	.19	.31				.04	.15										.05	.45				.10			T.	2.13
Shelbyville	T.		.05			T.	2.06	.06					.76			.94	1.11					T.		2.51	1.67				.02			6.92
Taylorsville					.15	.19	1.16	.59				.20				.25					T.	T.		3.00				.12			.01	5.67
Williamstown			.06				.50	.07					.03				.01							.40	.27			.08				1.42
Woodbury						.13		.43									1.17							.03	.08				.02		.05	1.91
Eastern Division.																																
Ages																																
Ashland							.50	.05					.65											1.25	.40			.40	.38			3.63
Beattyville						.57	.55	.57					.22			.10	1.76							T.	.86			.87	1.36		.18	7.04
Berea					.50	.22	.58	.80								.53						T.		.52			.01	.98			.73	4.87
Cynthiana			T.		T.	T.	.55	.35					.45											.45	.25			T.	T.		.05	2.10
Falmouth			.06				.43	.36					.20											.20	T.			.05	.30		.03	1.63
Farmers		.18					.44	.55					1.05			.20								.12				.20	.60		.30	3.64
Jackson		T.		.27		T.	1.74	.15					.38				.68								.22			1.03	.22		.47	5.16
Louisa			.08	.21		.20	1.22	.56					1.86			.30	.37						.80		.18			.18	.28			5.24
Maysville		T.	.14		T.	T.	.88	.34					1.37				.42	.09						.23	.42			.10	.62		.28	4.89
Middlesboro		.03				.27	.25						.14			1.00							.50	.20	.65			.40		.22	.43	4.09
Mount Sterling		T.	.13			.07	1.14	.08					.53			.34	.74							.42	.42			.95	.08		.38	5.28
Oliver						.25	2.10	.15					1.09											1.15	.26			1.16	.33			6.49
Oneonta							.86	.93																.14	.26				.23			3.36
Pikeville				.22		.08	.22	.28	.46				.52				1.26	.06							.12			.44	.82			4.48
Richmond			.37			.11	1.27	.38					.08		T.	.30	.11							.28	.11			.02	.81		.24	4.08
Sergent						.23	.31	.84					.23	T.		.05	T.							.25	.30	T.		.25	.48	.68	.16	3.78
Vanceburg			.26		.39	.60	.08						.40											.94	.12			.33		1.48		4.60
Williamsburg		.22		.01	T.	.02	2.51	1.40	T.				.32				.20						T.	.08	.06			T.	.41		.47	5.70

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

July 27.—Two thoroughbred horses, valued at $2000, were killed by lightning near Lexington. Residences at Fulton were flooded by a heavy local rain.

July 31.—A farmer was killed by lightning in an open field near Richmond, Ky. One man was killed and another stunned by lightning while taking shelter under an oak near Drennon Springs.

Rivers:—Stages were moderate to low during the month.

Daily Temperatures for July, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	81	89	90	92	94	91	90	90	91	90	96	92	93	94	93	94	91	91	89	90	90	92	94	92	92	90	92	81	86	87	89	90.0
	Minimum	56	54	56	60	66	65	70	69	64	67	67	69	69	62	68	72	70	62	61	70	64	67	62	70	64	60	60	70	60	61	61	64.2
Blandville	Maximum	76	82	86	89	87	89	91	92	89	90	90	91	83	89	90	87	84	86	88	88	85	90	95	90	90	88	85	80	85	83	86	87.2
	Minimum	56	57	62	66	68	68	70	72	69	69	71	72	70	69	71	72	69	67	70	66	67	68	70	73	71	64	63	68	64	67	66	67.6
Calhoun	Maximum	78	85	87	90	89	92	88	89	89	91	94	92	91	90	95	91	88	90	89	91	91	91	94	97	92	88	90	84	87	84	87	89.4
	Minimum	57	56	57	63	66	66	75	72	67	67	68	71	72	66	67	72	71	65	66	68	67	71	67	70	65	62	62	73	62	59	64	66.3
Earlington	Maximum	84	86	89	94	92	95	93	90	91	94	95	95	90	96	95	94	90	91	91	89	91	95	97	92	91	91	91	83	87	86	90	91.2
	Minimum	51	54	55	63	67	67	71	71	65	67	67	72	71	66	66	71	69	68	64	63	66	70	66	72	66	58	63	67	58	58	62	64.8
Greenville	Maximum	80	85	89	94	91	94	90	...	...	93	94	93	91	94	95	95	91	94	92	93	93	96	95	99	99	90	88	88	86	87	88	91.1
	Minimum	50	53	55	59	62	64	67	...	...	63	65	67	68	64	64	70	66	64	91	92	91	92	88	91	96	98	95	94	91	82	91	88	91	92.2
Hopkinsville	Maximum	84	87	92	95	92	94	93	92	94	96	97	96	88	96	97	94	94	91	92	91	92	94	97	94	94	91	82	85	68	58	62	64	65.6
	Minimum	53	55	58	63	67	69	68	71	68	67	68	70	70	69	66	73	69	65	64	65	67	66	67	69	68	62	65	68	58	58	85	88	85	90.3
Marion	Maximum	79	84	88	91	91	92	93	89	92	91	94	94	94	94	96	94	87	89	92	92	92	92	94	96	90	88	80	88	85	88	85	90	91	90.4
	Minimum	55	59	65	70	70	70	70	73	68	71	73	73	71	69	70	74	71	64	68	68	70	69	71	68	62	68	70	68	66	68	66	67	65	67.5
Mayfield	Maximum	83	85	89	92	90	92	94	93	90	93	93	95	87	92	92	92	90	92	91	91	91	93	96	91	90	88	87	86	86	88	89	89.9
	Minimum	49	60	66	65	71	69	72	73	70	69	70	72	70	70	70	73	70	67	68	67	66	68	69	73	75	65	63	63	62	66	66	67.5
Owensboro	Maximum	80	85	85	84	89	91	89	88	89	90	92	91	88	90	92	89	88	87	88	90	89	90	93	95	85	88	78	85	84	87	88.0
	Minimum	55	57	57	63	66	65	69	71	68	67	67	70	68	65	68	73	71	66	68	67	66	69	65	68	65	63	61	70	63	60	63	64	65.6
Paducah (Lone Oak)	Maximum	83	90	90	94	92	95	96	94	93	94	96	96	92	94	89	95	91	91	91	92	94	91	94	91	91	89	90	93	90	91	88	90	92.5
	Minimum	57	50	59	65	66	69	73	73	70	70	73	78	72	70	68	75	70	67	66	67	68	71	69	74	69	63	65	63	63	68	67	67.7
Paducah	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	88	81	85	84	86	[1]88.0
Princeton	Maximum	78	83	87	90	89	90	90	89	88	91	92	92	88	92	91	91	84	87	86	87	87	88	93	96	...	...	...	83	79	80	82	84	[1]66.1
	Minimum	55	54	58	63	68	68	69	72	69	68	68	70	72	69	67	73	70	66	66	66	66	68	64	...	...	...	...	91	85	87	89	91	90.4
Russellville§§	Maximum	81	82	88	90	93	93	89	93	91	93	93	96	88	94	96	89	80	90	90	88	91	88	89	96	96	88	88	91	85	87	89	91	90.4
	Minimum	50	55	58	61	63	67	67	70	65	66	65	69	70	67	64	72	68	64	63	62	64	67	64	67	65	60	62	68	60	61	64	64.1
Central Division.																																	
Anchorage	Maximum	82	86	89	92	91	92	85	87	91	91	92	90	91	92	93	90	87	89	90	92	91	93	88	87	86	87	91	83	86	90	84	89.0
	Minimum	49	54	66	62	63	68	66	67	68	64	65	68	68	66	68	69	66	63	68	90	91	92	92	90	92	87	85	91	82	85	90	91	89.1
Bardstown	Maximum	81	85	88	86	92	94	88	86	90	92	93	89	91	93	91	88	90	90	90	91	92	92	90	92	92	87	85	91	82	85	90	91	89.1
	Minimum	53	56	61	62	65	66	67	67	66	68	68	70	69	69	66	73	69	64	61	60	66	70	62	69	64	63	62	70	66	64	67	65.3
Bowling Green	Maximum	83	91	93	96	92	95	89	92	93	96	97	99	90	91	99	89	92	94	92	95	95	97	97	94	94	95	90	88	92	94	95	96	97	93.0
	Minimum	53	57	60	61	61	67	68	66	66	69	69	70	70	67	67	74	70	65	62	64	65	67	65	64	66	62	64	70	64	65	65	65	65	65.3
Eubank	Maximum	83	85	85	91	93	91	84	84	90	90	91	91	88	90	93	88	87	92	92	93	93	95	97	93	89	90	89	91	85	87	92	85	85	89	89	88.3
	Minimum	44	55	57	60	60	66	65	66	66	64	64	65	67	67	64	72	67	64	66	57	63	63	57	67	60	63	61	67	67	61	65	62	62.5
Frankfort	Maximum	81	86	87	90	92	92	88	87	90	91	93	93	87	90	94	90	89	90	89	90	92	91	92	90	86	85	84	89	81	86	91	87	88.8
	Minimum	51	58	63	65	65	68	69	70	66	67	68	71	70	68	66	73	69	66	62	62	67	73	64	69	63	65	63	70	68	66	68	66	66.2
Franklin	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Glasgow	Maximum	80	86	89	93	91	92	85	89	91	94	95	93	93	97	85	88	92	92	91	88	93	91	94	91	94	91	93	85	89	90	92	90.5
	Minimum	52	54	63	63	61	70	67	67	66	66	68	68	68	69	66	66	71	70	66	61	63	67	68	61	70	68	63	68	63	66	68	68	89	88.4
Greensburg	Maximum	80	82	86	88	91	90	82	85	88	89	90	93	90	92	93	88	89	90	91	90	88	91	92	92	87	86	86	82	86	87	89	88	89	88.1
	Minimum	45	53	56	56	61	65	64	64	62	64	64	64	66	64	64	70	69	60	56	57	61	64	68	66	62	60	61	67	64	60	64	67	66.6
Irvington	Maximum	79	84	85	88	88	91	84	86	88	91	91	87	90	91	89	87	90	90	90	88	90	92	91	93	87	84	81	91	83	85	89	89	87.9
	Minimum	54	58	59	63	67	68	68	69	67	68	68	72	69	68	69	74	70	70	66	65	66	70	66	69	65	62	65	69	65	64	67	67	66.6
Junction City	Maximum	82	85	86	85	88	92	83	85	90	92	91	91	92	90	93	90	87	89	85	90	88	90	88	90	87	87	87	88	90	78	85	87	87	87.9
	Minimum	47	55	60	56	59	64	65	67	62	64	63	67	64	64	61	69	66	60	56	57	56	61	65	56	57	64	57	58	69	70	60	65	61.5
Leitchfield	Maximum	81	85	87	90	89	92	81	87	90	90	92	90	89	91	94	85	88	89	89	90	89	92	93	94	86	85	84	92	86	87	85	84	84	88.3
	Minimum	53	57	59	61	66	66	67	67	66	67	67	70	68	66	68	72	69	65	64	63	66	71	64	69	65	64	62	71	63	64	64	64	65	65.3
Lexington	Maximum	82	84	85	86	88	88	82	83	88	89	89	88	84	89	90	86	86	87	88	90	87	89	84	82	82	83	84	75	85	86	86	86	86	85.6
	Minimum	56	60	64	70	69	66	66	66	69	73	73	68	68	69	75	70	68	65	67	70	70	70	67	67	67	62	67	68	66	69	67	67	67.5
Louisville	Maximum	80	83	87	89	86	92	84	85	87	91	92	91	88	92	93	89	89	91	90	91	90	91	88	90	84	84	84	89	83	87	88	92	88	89.0
	Minimum	57	61	63	70	70	68	68	70	69	72	74	69	71	70	71	70	70	65	70	70	71	75	69	70	67	68	67	69	67	69	70	70	70	68.6
Do (Cherokee Park)	Maximum	75	80	83	85	83	88	87	84	85	87	89	88	85	87	88	87	85	86	86	85	86	87	89	88	88	87	81	87	84	82	84	81	85	85.2
	Minimum	52	56	60	66	66	66	67	67	66	68	69	72	69	68	67	73	66	63	65	66	67	71	65	66	65	61	62	69	65	66	64	67	65.8
St. John	Maximum	79	85	87	88	90	93	81	81	88	92	92	94	87	90	95	91	87	89	90	90	93	93	91	94	86	84	93	86	87	90	89	89	88.9
	Minimum	51	52	57	59	62	64	66	64	61	67	66	68	67	66	66	72	67	64	62	61	65	69	72	68	62	62	62	69	62	62	63	63	63.5
Scott	Maximum	80	80	85	82	86	88	87	85	90	90	91	87	85	92	92	86	85	87	89	94	90	89	85	84	84	83	88	78	85	86	88	86	86	85.5
	Minimum	52	57	57	63	66	66	67	66	62	64	69	71	64	63	64	69	64	62	63	62	66	71	61	68	65	61	61	61	68	65	62	66	64.4
Shelbyville	Maximum	81	83	87	89	91	92	83	85	90	91	92	90	88	91	93	90	87	89	90	91	91	92	91	91	86	90	84	82	88	80	85	86	84	86.8
	Minimum	51	59	60	64	65	66	67	69	68	67	68	69	67	66	68	65	69	67	68	67	68	68	66	65	64	64	64	65	64	64	64	67	64	[2]66.2
Taylorsville	Maximum	80	84	86	89	88	91	84	85	88	90	91	90	87	89	93	89	86	87	86	86	86	87	86	90	91	91	86	90	84	85	86	87	87	88.1
	Minimum	...	...	...	...	62	62	68	69	70	66	66	72	70	68	64	69	69	68	65	63	66	70	70	66	68	66	63	61	80	85	90	85	90	85	88.1
Williamstown	Maximum	81	86	86	86	90	91	86	86	89	91	93	91	87	89	93	89	89	90	91	92	94	93	92	94	93	92	94	88	92	93	94	94	94	94

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

UNIVERSITY OF ILLINOIS LIBRARY

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., AUGUST, 1923. No. 8

GENERAL SUMMARY.

Although the temperature averaged near normal, decidedly warm weather prevailed during the first two weeks and unseasonably cool weather in the decade following the 15th. Precipitation presented marked contrasts in areal distribution, ranging from less than normal at some eastern stations to three or four times the normal amount in some western localities. In the north-central and most of the eastern counties, including the burley tobacco district, the month was relatively dry and favorable for outdoor activities. Early crops matured rapidly, and late crops of corn, tobacco, alfalfa, cowpeas, and potatoes, made satisfactory growth. Early tobacco matured an excellent crop, practically free from rust; and cutting was well advanced in that section by the end of the month. In the western counties rains early in the month, following incipient drought, caused rapid improvement in crops during the first two weeks; but persistent and excessive downpours later on kept the soil in such a saturated condition that much corn, tobacco, and potatoes growing on low or flat land were drowned out and the growth of upland crops was retarded. Despite the excessive rains, however, crops on well drained soils were generally good in that district. The wet weather was favorable for the spread of tobacco rust, which appeared locally during the third week, but a period of dry and relatively calm days, with abundant sunshine, immediately after its appearance kept the disease localized, and little damage resulted. Because of more favorable weather conditions for growth and ripening, tobacco matured more rapidly and cutting was farther advanced in the burley than in the dark district. Pastures and young clover improved during the first two weeks and continued in much better condition than usual at this time of year. Gardens also improved in the northern and eastern districts, but the excessive rains damaged them seriously in the southern and western counties. Late potatoes came up somewhat irregularly in the wet district, but the stand and growth were generally satisfactory in the north-central and eastern sections devoted to this crop. Second crop clover made few seed in the wet area, but developed well in the eastern counties.

TEMPERATURE.

The average temperature for the month, 41 stations reporting, was 75.4°, which is 0.3° below normal. Mean daily temperatures were above normal almost continuously from the 1st to 15th, but were considerably below normal in the periods, 16-18th and 22d-25th. On the 23d and 24th, the coolest days, minimum temperatures ranged between 43° and 55° at most stations. The extremes for the month were 99° on the 12th at Lone Oak and 43° on the 24th at Eubank and Junction City.

PRECIPITATION.

The average precipitation for the State, based on reports from 57 stations, was 6.03 inches, which is 2.47 inches in excess of normal. Showers occurred daily, attended in most cases by thunder, in the periods, 1st-18th and 25-30th. The rainfall was moderate to excessive in most districts on the 4th, 5th, 17th, and 22d; also locally on the 7th, 9th, and 13th. The distribution over the State showed two well defined districts, one of moderate and another of excessive rainfall. The first included most of the north-central and eastern counties, where amounts ranged generally between 2.25 and 5.00 inches; while the other included most of the western half of the State in which the amounts ranged between 6.00 and 12.00 inches at most stations. The total precipitation at all stations varied between 2.17 inches at Anchorage and 12.77 inches at Calhoun.

(Continued on next page.)

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max Velocity * Miles per hour	Direction.	Date.
Cairo ..... Ill.	29.97	30.16	30	29.76	21	4471	6.0	36	w.	3
Cincinnati ..... Ohio.	30.00	30.20	30	29.71	21	3784	5.1	56	nw.	12
Evansville ..... Ind.	30.00	30.16	30	29.77	21	5668	7.6	34	se.	29
Lexington ..... Ky.	30.01	30.22	30	29.83	21	6769	9.1	56	nw.	26
Louisville ..... Ky.	30.01	30.22	30	29.77	21	5611	7.8	58	nw	12

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent of possible.	20 per cent or less.
Cairo ..... Ill.	86	63	72	311.2	420.0	74	18	2
Cincinnati ..... Ohio.	82	54	73	256.8	423.5	61	11	3
Evansville ..... Ind.	79	55	66	309.5	421.7	73	15	3
Lexington ..... Ky.	83	64	.....	193.9	421.7	46	6	9
Louisville ..... Ky.	79	55	65	316.8	421.7	75	15	1

COMPARATIVE DATA FOR AUGUST.

Year	Temperature. Monthly average	Departure from 30-year normal	Highest.	Lowest.	Precipitation. Monthly average	Departure from 30-year normal	No. of days with .01 in. or more rain.
1889	70.6	−5.1	100	43	1.23	−2.33	..
1890	73.2	−2.5	101	44	6.16	+2.60	..
1891	72.9	−2.8	105	43	5.82	+2.26	..
1892	75.4	−0.3	96	45	3.13	−0.43	..
1893	74.8	−0.9	99	48	1.72	−1.84	..
1894	77.1	+1.4	105	41	3.02	−0.54	..
1895	76.6	+0.9	102	49	2.15	−1.41	5
1896	77.1	+1.4	105	41	2.83	−0.73	6
1897	75.2	−0.5	101	49	2.33	−1.23	9
1898	76.7	+1.0	100	55	3.83	+0.27	7
1899	78.1	+2.4	102	51	3.09	−0.47	6
1900	80.4	+4.7	104	52	2.74	−0.82	6
1901	75.5	−0.2	101	50	5.12	+1.56	12
1902	75.6	−0.1	103	45	2.48	−1.08	7
1903	75.5	−0.2	100	49	3.27	−0.29	8
1904	75.2	−0.5	100	45	2.64	−0.92	8
1905	77.7	0.0	99	42	3.32	+0.26	9
1906	77.4	+1.7	99	45	4.97	+0.91	10
1907	74.8	−0.9	99	48	4.27	+0.71	10
1908	76.3	+0.6	104	49	2.79	−0.77	6
1909	76.9	+1.2	104	45	2.60	−0.96	7
1910	74.0	−1.7	100	46	2.72	−0.84	6
1911	76.2	+0.5	106	45	4.03	+0.47	10
1912	73.7	−2.0	98	43	4.71	+1.15	13
1913	78.0	+2.3	108	44	2.81	−0.75	7
1914	76.0	+0.3	100	49	5.94	+2.38	12
1915	71.3	−4.4	100	42	6.29	+2.73	14
1916	77.0	+1.3	101	47	4.25	+0.69	9
1917	73.9	−1.8	100	42	3.49	−0.07	8
1918	80.2	+4.5	111	50	3.18	−0.38	7
1919	75.0	−0.7	104	47	3.49	−0.07	8
1920	73.4	−2.3	98	43	5.80	+2.24	13
1921	76.0	+0.3	101	48	5.28	+1.72	16
1922	75.2	−0.5	101	47	2.43	−1.13	6
1923	75.4	−0.3	99	43	6.05	+2.47	12

Climatological Data for August, 1923.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Western Division.																				
Beaver Dam	Ohio	441	19	74.8	−1.6	92	12	48	24	32	7.55	+4.24	2.00	0	11	16	7	8	w.	Miss Addie B. Taylor
Blandville	Ballard	445	41	76.0	0.8	93	12	52	23	24	7.09	+3.95	2.02	0	8	10	11	10	sw.	E. W. Horr.
Calhoun	McLean	437	19	76.6	0.8	93	12	52	23†	27	12.77	+9.12	5.25	0	13	6	23	2	sw.	W. A. Taylor.
Earlington	Hopkins	420	32	77.4	+0.3	96	12	52	24	30	10.85	+7.70	1.83	0	15	18	5	8	sw.	Brick Southworth.
Greenville	Muhlenburg	519	6	75.9	.....	93	11†	49	24	32	9.58	.....	2.90	0	12	16	12	3	s.	C. R. Lovell.
																				W. W. Shelby.
Henderson	Henderson	327	14								5.33	+2.57	1.70	0	10	.....	.....	.....	.....	
Hopkinsville	Christian	524	26	77.8	0.0	96	15	49	24	35	10.89	+7.84	2.49	0	15	14	11	6	se.	W. E. Graves.
Marion	Crittenden	571	24	78.0	−0.1	94	12	52	24	32	9.34	+6.55	4.40	0	10	13	10	8	sw.	B. C. Paris.
Mayfield	Graves	364	11	77.0	−0.3	96	6	54	23	33	6.66	+3.33	1.90	0	11	18	12	1	s.	N. E. Douthit.
Owensboro	Daviess	479	26	75.6	−0.8	92	8†	50	24	27	9.05	+5.46	2.47	0	13	13	3	15	s.	Henry S. Berry.
																				J. W. Lilley.
Paducah (Lone Oak)	McCracken	516	5	79.5	.....	99	12	51	23	29	8.95	.....	1.80	0	8	20	6	5	se.	Frank L. Brown.
Paducah	McCracken	341	34								7.35	+4.07	2.12	0	6	.....	.....	.....	.....	
Princeton	Caldwell	529	12	76.0	−1.7	94	12	51	24	26	6.54	+3.02	3.20	0	12	8	11	12	s.	Dr. W. L. Cash.
Russellville	Logan	590	9	76.1	−2.0	94	7	48	24	36	7.99	+5.46	1.68	0	15	15	8	8	s.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	22	*74.4	−0.3	95a	12	44a	23	36a	2.17	−1.72	1.33	0	6	18a	8a	4a	sw.	C. E. Barret.
Bardstown	Nelson	637	26	76.4	−0.8	98	12	48	23†	33	4.14	+0.53	1.45	0	11	11	4	16	s.	Chas. M. Talbott.
Bowling Green	Warren	500	32	78.0	−0.3	97	12	50	23†	34	8.73	+5.21	1.90	0	13	15	11	5	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	5	.....	.....	.....	.....	.....	.....	.....	11.01	.....	2.00	0	16	.....	.....	.....	.....	Earl Holder.
Burnside	Pulaski	773	30	.....	.....	.....	.....	.....	.....	.....	5.15	+0.99	1.55	0	13	.....	.....	.....	.....	F. E. Bradshaw.
																				Charlie Oliver.
Carrollton (Lock No. 1)	Carroll	422	23	.....	.....	.....	.....	.....	.....	.....	5.12	+2.30	1.64	0	14	.....	.....	.....	.....	W. A. Cockerill
Cloverport	Breckenridge	375	9	.....	.....	.....	.....	.....	.....	.....	5.87	+2.05	1.33	0	10	.....	.....	.....	.....	Mrs. Katie Payne.
Eubank	Pulaski	1177	28	74.7	+0.9	92	3†	43	24	36	6.06	+1.72	1.75	0	13	6	12	13	s.	Sidney Wood.
Frankfort	Franklin	560	29	76.0	+1.0	96	12	49	24	31	4.75	+1.07	1.08	0	13	12	7	12	s.	
Franklin	Simpson	691	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glasgow	Barren	780	1	76.4	.....	95	15	48	24†	37	6.64	.....	1.04	0	12	19	9	3	s.	Dr. Fidella Edwards.
Greensburg	Green	581	30	73.7	−1.6	92	7†	44	24	34	4.90	+1.00	1.50	0	16	7	1	23	e.	Mrs. Bettie K. H. Alcorn
High Bridge	Jessamine	550	20	.....	.....	.....	.....	.....	.....	.....	3.65	−0.40	1.88	0	8	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	25	75.8	−0.2	94	12	50	24	28	4.57	+0.97	1.73	0	11	13	8	10	sw.	W. J. Piggott.
Junction City	Boyle	985	29	72.8	−1.7	92	12	43	24	37	6.48	+2.93	2.50	0	14	12	15	4	s.	William E. Grubbs.
																				John E. Stone.
Leitchfield	Grayson	635	27	75.4	0.0	94	12	51	23	30	8.84	+5.17	1.49	0	11	15	14	2	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	35	74.4	−0.2	90	11	51	22	22	4.02	+0.45	1.49	0	13	9	13	9	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	56	76.4	−0.6	94	12	52	23	28	2.29	−1.22	1.15	0	11	12	10	9	s.	Wm. I. Hunt.
Do. (Cherokee Park)	Do.	534	13	74.2	−0.5	93	12	49	23	32	2.37	−0.80	0.90	0	11	15	13	3	sw.	W. D. Farnsley.
Pilcher (Dam 43)	Meade	363	0	.....	.....	.....	.....	.....	.....	.....	3.33	.....	1.26	0	7	.....	.....	.....	.....	.....
																				Sisters of Loretto.
St. John	Hardin	777	26	74.8	+0.1	95	12	47	24	34	5.18	+1.55	1.70	0	14	18	6	7	.....	E. B. Wilson
Scott¶	Kenton	900	25	74.3	−0.8	93	7†	46	23	32	7.12	+3.58	2.87	0	14	7	19	5	sw.	Mrs. W. T. Miller.
Shelbyville	Shelby	825	32	73.1	−2.4	96	12	46	23	33	3.44	+0.08	1.01	0	8	7	4	20	s.	E. D. Bourne.
Taylorsville	Spencer	489	20	74.2	−0.1	94	12	46	24	32	2.78	−1.09	0.54	0	12	14	3	14	s.	Mrs. E. C. Humlong.
Williamstown	Grant	943	19	74.0	−0.2	95	12	46	23	34	3.78	−0.41	1.20	0	14	13	10	8	nw.	J. C. Stinson.
Woodbury	Butler	533	5	.....	.....	.....	.....	.....	.....	.....	8.41	.....	2.30	0	14	.....	.....	.....	.....	.....
Eastern Division.																				
Ages	Harlan	1265	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ashland	Boyd	534	4	75.2	.....	93	2	49	24	34	5.12	.....	1.45	0	8	17	6	14	se.	W. B. Shaw.
Beattyville	Lee	650	18	75.3	+0.1	92	12†	50	23†	32	4.63	+0.15	1.54	0	11	8	11	12	w.	Mrs. Sabine E. Hall.
Berea	Madison	1070	18	74.0	−0.4	92	12	46	24	28	4.42	−0.16	1.01	0	11	9	17	5	sw.	Frank Montgomery.
Cynthiana	Harrison	684	5	.....	.....	.....	.....	.....	.....	.....	6.50	.....	1.80	0	10	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	34	.....	.....	.....	.....	.....	.....	.....	6.73	+3.20	2.29	0	10	20	7	4	se.	J. V. Oldham.
Farmers	Rowan	668	13	74.2	+0.1	93	11	44	24	39	3.66	−0.91	0.96	0	11	12	8	11	nw.	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	*74.6	.....	89*	6†	61*	22	30	5.47	+2.11	2.00	0	13	15*	8*	3*	w.	Dr. Dan. Fortune.
Louisa	Lawrence	584	16	.....	.....	.....	.....	.....	.....	.....	2.89	−0.94	0.90	0	9	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	25	75.4	−0.3	96	12	49	23	34	6.89	+2.91	1.78	0	14	14	13	4	e.	Harry M. Robinson.
Middlesboro	Bell	1128	25	74.2	0.0	92	6	51	24†	31	5.73	+1.47	2.72	0	13	17	14	0	.....	B. H. Perkins.
Mount Sterling	Montgomery	930	33	74.4	+0.3	93	12	47	24	32	5.71	+1.74	2.15	0	13	15	10	6	w.	W. R. McKee.
Oliver	Greenup	540	3	.....	.....	.....	.....	.....	.....	.....	4.31	.....	1.26	0	6	.....	.....	.....	.....	Chas. Folsom.
Oneonta	Campbell	443	1	.....	.....	.....	.....	.....	.....	.....	8.28	.....	1.35	0	11	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	17	.....	.....	.....	.....	.....	.....	.....	5.70	+1.56	1.70	0	10	.....	.....	.....	.....	I. M. Williams.
Richmond	Madison	926	28	75.3	−0.2	91	12	51	23†	27	3.67	+0.07	0.89	0	14	19	4	8	.....	J. W. Crooke.
Sergent	Letcher	1235	0	74.5	.....	91	13	52	24†	29	3.69	.....	0.80	0	14	24	4	3	s.	A. K. Williams.
Vanceburg	Lewis	525	6	.....	.....	.....	.....	.....	.....	.....	4.79	.....	1.72	0	9	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	939	25	76.6	+0.5	96	14	50	24	35	4.56	+0.04	0.81	0	16	7	18	6	sw	Mrs. Ruth Inman.
State averages and extremes				75.4	.....	99	12	43	24	39	6.04	.....	5.25	0	12	13	10	8	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries
T. Precipitation is less than 0.01 inch rain or melted snow.
¶ Post-office address, Covington, Ky.

MISCELLANEOUS.

August 4.—Heavy rains damaged crops by washing in the vicinity of Hopkinsville.

August 5.—A man was killed by lightning while sitting inside a building at Central City.

August 12.—A windstorm caused damage to trees, light buildings, telephone, telegraph and trolley lines at Louisville. In Nelson County a boy was fatally and six other persons more or less seriously injured when a tree was blown across the automobile in which they were riding. Four cows were killed and a young man was severely shocked by lightning near Harrodsburg. A death from heat prostration occurred at Louisville.

August 14,—Heat prostration caused the death of a laborer at Owensboro.

August 16.—A barn was destroyed by lightning near Owensboro.

Daily Precipitation for August, 1923

Stations	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Western Division.																																
Beaver Dam	G	.05		.30	2.00	.30	.25	1.35		.30				.15			1.40					1.05						.40			7.95
Blandville	M		.09	.47	.06	1.06					.64				2.02	T.	1.56				1.19										7.03
Calhoun	G		.27		.25	1.59	T.	2.47	.05	.59		.17	.10	.01		.09	1.54	.01				.63									12.77
Earlington	G	1.45		.49	1.88	.55	.03	.50		.26	.47		.70	.85		.12	1.80	1.15				.55						.10			10.85
Greenville	G		.01		2.90	.23	1.30			.21	.20		.07	2.20	.03				.60												9.38
Henderson	O			1.70	.90	.42	T.	.16		.94	.02				.05		.80				.04	.30									5.33
Hopkinsville	C	.73			2.49	.94	.13	.64		1.83	.16		.32	.01		T.	.53	1.84				.67	.05				.07	.48			10.89
Marion	O		.30		.80	.70	T.	.92			.10					.38	1.40					1.08									9.34
Mayfield	M			.30	1.20	1.90					.25	.25	.21		.05		.70					1.20									6.66
Owensboro	O			1.42	1.38	.33		.57		2.47	.05			.20		.97		1.10	.10		.03	.02	.41			T.					9.05
Paducah (Lone Oak)	O			.50	1.65	1.35						.75				.80	.30	1.80				1.80									8.95
Paducah	O				.46	2.12				1.10		T.				T.	1.54	.60				1.53									7.35
Princeton	G		.03	.01	.73	.79	.22			T.	T.		.20	.45		.01	.15	3.20	T.			.74						.01			6.54
Russellville	G	.33		.01	.99	1.43	.07	.11		.31		.33		1.68	.15		.87	.85				.68	.05					.13			7.59
Central Division.																																
Anchorage	O			.07		.02	T.						.27			.43	.05					1.33			T.	T.	T.				2.17
Bardstown	S	.50			.06								.30	.32		.07	.42	.17				1.45				.62	.18	.05			4.14
Bowling Green	G	.92			.60	1.00		1.90		.20				1.00		.06	.80	.50				.12	.25				.55	.85			5.78
Brownsville	G			.21	.48	1.03	.10	1.32		2.00				1.68	.09	.15	1.30	.18				.98	.03				.22	1.21	.03		11.01
Burnside	C		.24	.25	.06	.22		T.		.87		.02		1.55		T.	.15	.21				.25	.08				.76	.49			5.15
Carrollton (Lock No. 1)	O			.04	.02	.08	.02				1.02			.12			.30			.18		1.42		.02	.18	1.64	.06		.02		5.12
Cloverport	O			T.	1.33	1.33		.23	.03	.42	T.	T.		1.12		.05	.74	T.				.51	T.		T.		.11				5.87
Eubank	C			.05		.67		.12		1.45				1.75		.03	.15	.25				.04	.08		.12		20	1.15			6.66
Frankfort	K	.90		T.	1.08	.05	.08					.08		.07			.17	.05				.82		T.	.70	.25	.45	.05			4.75
Franklin	G																															
Glasgow	G		.10			.65		.93		.53			.50	1.04	.15	T.	.60	.68				.83					.25	.38			6.64
Greensburg	G	.22		.18	.52	.10	.02	.09	1.50	.13				.17		.09		.83	.22			.42	.09				.07	.25			4.90
High Bridge	K	.06												1.88				.36				.88			.25	.05	.13	.04			3.65
Irvington	O		1.73	.09	.31	.21	.03		T.	.09			.32		T.		.40	.32				.90			17	T					4.57
Junction City	K			.02	.18	.06			.39	.01	.07	T.	.75	.01		.01	.37	.12				2.50			.85		.14				6.48
Leitchfield	G																															
Lexington ***	K	T.		.06	1.25	.25	.64	.99	1.49	T.			1.00		1.00	T.	.48	.50				1.18					T.				8.84
Louisville***	O		T.	.04		.12	.02			T.	.38	T.	.29	.01			.04	.11			1.18	.31			.02	1.19	.31			4.02
Do. (Cherokee Park)	O			.18	.04	T.	.04						.27				.39	.04			.71	.44			.03	.01	.14			2.29
Pilcher Dam 43	O	T.		1.26	.12	.17	T.			T.				.35		T.	.63					.65				.15				3.33
St. John	S	.05			.50	.35	.07			.50		.06		.32		.13		.60	.38			1.70				.04	.02	.46	T.		5.18
Scott	L			1.63	.02		.07	.05		.02	.64		.36		T.	.14				T.	T.	2.87		T.	.21	.53	.29	.24		.05	7.12
Shelbyville	S	T.		.55	.14									.10			.34			T.		1.01				.16	.05	.08			3.44
Taylorsville	S			.23	.10		.04			T.	.20	.25	.11			.36		.13				.54			25	T.	.54	.63	T.		2.78
Williamstown	L	.12			.39	.18	.04				.13			.19		.19	.04	.02				1.20			.02		.94	.31		.01	3.78
Woodbury	G	.06			.78	.45		1.15		.35		2.30		.45		.28	1.14	.45				.84	.03					.08	.05		9.41
Eastern Division.																																
Ages	K																															
Ashland	O	.40			.10							1.45		.80			.04					1.38	.05					.90			5.12
Beattyville	K	T.			.30	.18	.10	T.	.28	.05		1.54	.18	.92		T.		.12				.30						.66			4.63
Berea	K	.01	T.		.12	T.	1.01		.38	.18	T.		.91				.05	.10				.85			.56		.25			4.42
Cynthiana	L	T.			T.	.25	.15	.10					.30	.60	1.55		T.	T.				1.80				.45	.60	.70	T.		6.50
Falmouth	L				.96	.26	T.	T.			2.29			.10		.70	.05	T.			T.	1.76			.13		.37	.11			6.73
Farmers	L	.16		.09	.40					.30		.10	.36	.72			T.	.09				.96				.19	.29				3.66
Jackson	K	.06		.25		.13	.19	.01	2.00			.38	.80	.75			T.	.15				.19				.03		.50			5.47
Louisa	B					.07		.50	.30	.10		.90		.19								.50				.03		.30			2.89
Maysville	O			.68	1.05	.45		.20		.19	.08	.10		1.15		.15		T.			T.	1.78			.18		.18	.22	.48		6.89
Middlesboro	C	.04			.14	.08	.60		.04			.03	.98	2.72		.50		.15				.16	.13					.16			5.73
Mount Sterling	L	.19			.38	.06		T.		.17	.03	.86		.77			.09	.04				2.15			.77	.22		.48			5.71
Oliver	O				1.10					1.13		.30		.22								1.26						.30			4.31
Owenta	O			.05	1.35						1.34			.92	.15	.80	.09					2.76			.12	.39	.31				8.28
Pikeville	B					.28	.44			1.70		.12	.84	1.18				.22				.26				.34		.32			5.70
Richmond	K	.07			.09	.28		.03		.50	.03	.58		.89			.11	.03				.61				.17	T.	.19			3.67
Sergent	K	.28	.06	.23	.15	.14			.20			.05	.50	T.			.10				.13	.80	.05				.60	.40			3.69
Vanceburg	O				.57			.23				.39		.86		.21						1.72			.15		.05	.61			4.79
Williamsburg	C	.10	.24	T.	.40	.08	.51	.02	T.	.16	T.	.01	.81	.70		.70	.09	.11				.31	.07					.25			4.56

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

( ) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

; Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky (S) Salt; (G) Green (C) Cumberland

T Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

August 20.—Considerable damage to corn and tobacco by washing and flooding was reported from Owensboro.

August 22.—A woman was killed by lightning near Weed, Adair County.

August 26.—Heavy hail occurred over most of Carroll County, causing extensive damage to corn and tobacco. At Ghent hail is said to have remained on the ground for four hours after the storm ended. Heavy hail also occurred at Covington, Newport, and Ludlow.

Rivers:—Freshets occurred in small streams at various times during the month. Except for a moderate rise in the middle reaches of the Ohio during the period 13-17th, low stages prevailed in that stream.

Daily Temperatures for August, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	90	89	89	84	84	80	87	90	88	89	89	92	89	90	89	83	75	81	84	86	85	80	71	77	81	83	91	81	82	85	88	84.9
	Minimum	63	72	70	70	70	72	70	70	70	69	70	70	70	68	70	71	68	62	60	54	68	60	50	48	50	64	64	60	60	60	60	64.6
	Maximum	88	84	85	87	87	90	90	88	87	84	90	93	89	91	92	85	78	81	83	86	88	88	72	71	76	82	84	82	81	83	85	84.7
Blandville	Minimum	69	74	67	72	73	75	75	73	73	70	70	75	73	72	68	69	68	65	58	64	68	58	52	53	59	64	68	68	64	63	64	67.4
	Maximum	91	89	90	85	85	84	89	89	85	88	92	93	87	92	89	84	81	82	85	87	88	85	85	85	88	85	85	83	84	86	86	85.9
Calhoun	Minimum	65	73	70	71	71	74	72	75	71	73	74	75	72	70	74	70	67	64	63	63	68	66	52	52	57	62	68	68	69	61	60	68.3
	Maximum	92	92	90	85	85	88	93	92	88	89	93	96	89	94	92	86	81	86	88	90	90	82	76	82	88	85	89	85	88	90	90	88.3
Earlington	Minimum	64	73	70	70	70	74	71	75	71	73	72	68	70	69	73	69	68	65	62	63	67	60	55	52	58	61	68	69	61	60	60	66.5
	Maximum	93	93	93	85	85	90	92	92	89	90	93	93	90	91	93	87	81	83	87	90	88	77	73	80	85	86	87	83	86	89	89	87.5
Greenville	Minimum	61	70	68	68	68	68	67	71	69	70	71	69	69	67	71	68	67	66	61	59	62	64	62	50	49	55	60	63	68	60	59	64.3
	Maximum	94	91	93	89	84	89	92	93	84	88	91	95	91	94	96	90	82	86	90	92	91	87	79	84	89	90	93	87	89	93	94	89.6
Hopkinsville	Minimum	65	74	72	69	70	72	69	72	70	71	70	74	71	72	72	74	68	64	61	63	67	64	52	49	55	60	65	64	65	61	61	66.2
	Maximum	92	88	90	85	86	86	92	90	91	89	87	94	93	91	93	92	88	85	88	86	86	85	80	84	84	84	85	84	84	86	88	87.6
Marion	Minimum	69	74	73	71	69	74	68	75	71	74	72	76	72	72	75	70	68	64	64	70	68	62	62	52	58	68	70	67	63	64	66	68.4
	Maximum	92	89	90	86	85	96	92	93	89	92	90	93	94	91	94	93	81	85	86	89	89	69	73	80	82	85	83	83	84	85	86	87.1
Mayfield	Minimum	69	75	70	67	68	73	73	74	73	71	71	74	75	72	70	70	69	65	64	64	56	56	54	55	58	64	70	70	65	62	60	67.0
	Maximum	89	89	90	86	86	90	90	92	88	89	90	92	88	91	90	82	75	85	84	87	87	81	71	77	83	83	85	82	66	66	58	60	62	65.6
Owensboro	Minimum	63	73	70	70	69	72	70	72	70	72	73	73	69	66	73	70	68	62	61	66	67	59	51	50	57	59	62	61	59	61	62	64.9
	Maximum	92	90	92	89	90	95	95	93	91	89	95	93	94	86	95	88	89	90	90	92	91	88	87	89	90	89	90	89	89	91	93	90.4
Paducah (Lone Oak)	Minimum	76	74	71	68	69	74	75	75	74	72	71	78	72	76	71	72	69	65	63	61	70	65	51	63	65	61	69	70	63	62	63	68.6
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Paducah	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Maximum	88	88	88	84	84	87	90	90	87	85	90	94	87	91	90	83	79	80	84	86	87	83	72	77	83	84	84	82	83	85	85	85.2
Princeton	Minimum	66	73	71	69	68	73	71	69	72	73	71	74	71	71	73	72	68	65	64	64	67	58	52	51	57	62	67	70	63	64	62	66.7
	Maximum	90	91	93	87	83	92	94	93	91	91	91	93	89	92	93	86	75	84	84	90	89	67	74	79	88	88	85	84	84	89	89	87.1
Russellville§§	Minimum	65	71	71	70	68	70	69	72	71	75	71	72	68	68	72	73	67	64	60	62	65	60	51	48	52	58	64	64	61	59	58	65.1
Central Division.																																	
Anchorage	Maximum	90	90	88	87	87	84	94	92	92	92	94	95	90	93	92	76	..	86	88	89	89	74	74	81	85	86	88	84	84	87	90	*87.4
	Minimum	60	67	68	71	67	71	68	70	69	69	69	68	62	68	68	66	..	56	52	60	63	51	44	46	53	60	60	65	55	57	59	*61.5
Bardstown	Maximum	90	88	91	87	88	87	92	94	92	91	94	98	90	94	93	84	75	84	89	89	89	82	76	80	87	86	89	81	88	88	89	88.0
	Minimum	64	70	70	72	70	72	72	72	71	72	72	75	66	64	68	67	64	61	56	64	66	54	48	48	56	62	62	67	61	59	62	64.7
Bowling Green	Maximum	92	95	92	92	88	92	94	94	91	92	94	97	92	96	95	87	78	87	91	95	91	84	79	84	86	87	89	84	87	90	91	90.3
	Minimum	65	70	72	71	69	72	68	72	70	72	73	74	69	69	71	71	68	64	60	64	66	57	50	50	55	62	64	65	64	62	63	65.8
Eubank	Maximum	89	90	92	82	89	90	89	91	90	89	91	92	87	91	91	89	82	86	89	86	86	80	76	79	85	87	88	82	81	87	88	86.9
	Minimum	60	65	63	72	72	71	70	69	68	68	71	71	67	62	66	62	66	62	55	59	60	52	45	50	59	60	62	65	55	57	62	62.5
Frankfort	Maximum	87	86	89	86	87	90	90	91	90	91	93	96	86	91	91	87	74	82	86	86	89	85	72	78	82	85	86	85	85	86	89	86.4
	Minimum	67	69	73	72	71	72	71	74	74	73	73	74	71	65	69	66	62	61	56	62	64	54	50	49	58	64	64	68	62	61	62	65.5
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Glasgow	Maximum	93	90	93	85	88	90	93	92	90	89	90	94	89	92	95	86	76	88	89	92	87	79	78	81	85	86	88	78	87	90	88	87.8
	Minimum	65	71	74	72	69	70	70	71	70	72	74	68	68	70	70	70	67	60	60	60	69	51	50	48	48	60	65	65	67	59	60	64.9
Greensburg	Maximum	88	87	90	84	87	89	92	91	86	87	89	92	86	91	91	87	76	83	86	87	86	80	74	77	84	86	87	79	82	87	88	85.8
	Minimum	60	64	69	69	67	68	69	67	67	68	68	69	64	65	65	66	65	59	57	59	62	53	46	44	50	58	58	64	63	53	55	61.6
Irvington	Maximum	89	91	90	85	88	83	91	92	89	89	90	94	89	90	89	82	78	82	85	85	88	83	72	78	82	83	86	82	83	86	87	85.8
	Minimum	66	74	72	72	70	72	72	73	72	73	74	76	68	65	70	67	64	61	57	58	66	55	51	50	59	62	66	68	60	60	63	65.7
Junction City	Maximum	85	88	89	82	86	91	91	91	91	91	87	98	92	88	91	91	88	77	85	89	89	87	78	77	80	82	85	80	78	84	83	82	85.7
	Minimum	63	61	70	71	70	70	71	70	69	69	70	69	66	67	66	62	64	58	54	60	65	53	57	43	60	55	60	67	64	54	56	59.8
Leitchfield	Maximum	92	90	92	85	87	79	91	92	89	88	90	94	89	91	89	82	75	84	88	90	87	72	74	76	83	84	84	80	84	86	86	85.6
	Minimum	64	71	71	70	68	72	70	73	70	71	72	75	68	68	68	68	66	62	58	66	68	61	51	60	55	62	64	60	61	59	61	65.3
Lexington	Maximum	87	83	86	81	84	89	89	88	87	85	90	90	83	88	88	82	68	81	85	86	85	67	71	75	81	82	84	76	79	84	87	82.9
	Minimum	66	69	72	73	70	74	72	72	70	72	72	68	68	68	70	64	59	59	64	65	66	51	51	56	62	63	65	67	62	65	67	65.9
Louisville	Maximum	88	90	88	87	87	85	89	89	92	93	94	88	92	92	76	70	83	88	87	88	73	73	79	83	85	86	83	84	86	87	87	85.6
	Minimum	67	74	73	72	70	74	73	75	74	74	76	69	69	68	74	67	61	63	60	65	64	55	52	51	64	64	66	67	65	65	67	67.1
Do. (Cherokee Park)	Maximum	84	86	85	85	83	86	87	87	90	90	93	85	88	88	86	71	81	84	83	87	85	70	77	80	82	83	81	80	82	84	84	83.5
	Minimum	64	71	72	73	69	73	71	73	73	72	73	71	68	64	70	64	59	60	57	62	67	53	49	50	58	62	63	66	61	60	62	64.8
St. John	Maximum	90	90	91	85	88	85	93	94	90	89	92	95	90	93	93	81	78	84	88	88	87	79	74	80	85	82	83	80	85	88	87	86.6
	Minimum	63	68	72	70	67	70	70	69	69	70	64	64	62	70	65	64	60	54	62	64	52	48	47	54	60	63	67	59	63	60	63	63.1
Scott	Maximum	91	85	87	89	88	93	93	85	89	89	92	95	90	92	93	83	75	85	88	88	88	83	75	76	82	84	84	82	84	86	84	85.4
	Minimum	63	68	70	71	71	71	73	70	71	67	73	66	69	64	61	61	56	58	59	62	58	49	52	57	63	60	63	67	59	53	60	63.2
Shelbyville	Maximum	89	87	88	85	87	87	91	91	91	91	93	96	89	93	92	80	70	83	88	87	90	72	74	80	83	85	87	81	82	82	88	85.9
	Minimum	62	70	72	71	69	71	68	71	71	71	71	71	71	68	62	66	63	59	58	55	61	66	51	46	47	56	63	62	67	60	60	61	60.3
Taylorsville	Maximum	86	87	88	84	86	85	88	88	88	92	94	87	91	89	79	72	83	85	86	86	81	72	78	82	83	85	81	84	84	84	84	84.6
	Minimum	63	69	73	72	68	74	73	72	72	71	72	70	65	62	68	65	61	60	53	60	64	54	48	46	54	63	63	69	59	58	60	64.9
Williamstown	Maximum	91	90	89	86	86	86	93	91	88	90	94	95	91	89	83	72	85	87	87	90	84	72	74	80	83	88	81	80	83	85	85	85.8
	Minimum	62	66	72	69	68	71	70	72	69	70	68	69	65	61	66	60	58	56	55	58	63	50	46	47	55	59	62	64	57	60	61	62.2
Eastern Division.																																	
Ages	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Ashland	Maximum	87	93	91	88	88	91	89	91	87	86	91	92	85	91	89	88	72	83	88	85	91	86	75	77	81	80	89	86	83	86	87	86.2
	Minimum	66	69	71	73	73	70	72	72	72	72	71	70	67	63	67	63	62	61	60	64	61	60	53	51	49	57	57	64	67	64	59	61	64.3
Beattyville	Maximum	90	90	89	83	88	91	91	91	88	89	89	89	89	92	91	89	78	86	89	90	90	86	78	80	84	86	88	84	86	87	89	87.4
	Minimum	65	67	68	69	69	71	68	70	69	70	70	67	69	67	67	62	56	58	60	60	59	55	50	50	54	60	62	62	65	67	66	64.4
Berea	Maximum	85	84	85	80	85	88	86	90	88	85	87	92	84	88	86	76	79	83	84	86	78	71	74	74	80	86	85	82	85	85	77	79	83	83.5
	Minimum	62	69	72	73	72	70	72	72	68	70	73	70	67	70	68	61	64	62	57	61	64	54	50	46	55	62	65	67	66	54	59	64	64.4
Farmers	Maximum	92	90	89	86	84	90	91	90	91	93	92	89	92	92	85	75	86	90	90	90	81	78	80	86	87	89	79	84	87	91	87.4
	Minimum	60	62	68	69	69	67	71	73	72	69	68	67	67	62	65	59	61	57	51	57	55	52	45	45	52	56	61	65	63	63	54	61.1
Jackson	Maximum	89	87	88	84	83	84	89	86	86	84	88	87	89	84	87	88	86	78	81	84	85	86	81	73	75	80	82	..	..	..	..	*84.1
	Minimum	65	65	68	71	70	72	69	70	69	72	71	69	69	68	69	65	66	63	63	61	63	51	52	52	55	53	..	..	..	..	..	*65.0
Maysville	Minimum	66	68	70	71	70	72	69	70	69	72	71	69	69	68	69	65	66	63	63	61	63	51	52	52	55	58	60	61	63	58	60	61	60	62.0
	Maximum	90	89	92	88	86	89	93	93	89	91	94	96	86	91	90	77	73	86	90	85	86	71	68	73	80	82	85	87	88	83	85	86.2
Middlesboro	Minimum	65	68	70	70	72	71	72	73	73	73	72	72	68	63	67	62	62	61	56	61	60	53	49	50	60	60	64	67	63	59	62	64.5
	Maximum	87	88	89	88	85	92	88	87	88	88	91	92	88	93	93	83	79	82	87	87	87	76	74	75	82	85	87	87	78	83	83	85	85.0
Mount Sterling	Minimum	67	67	67	70	67	70	70	68	69	70	69	70	65	65	66	64	64	67	64	59	61	60	58	51	51	56	58	63	64	55	57	57	63.5
	Maximum	90	90	90	85	88	91	90	91	86	89	92	93	86	90	89	81	71	80	87	87	89	81	73	78	81	83	87	81	81	85	85	85	85.5
Richmond	Minimum	63	66	68	70	71	70	70	71	70	70	71	73	69	64	66	63	60	57	56	61	61	59	53	48	47	58	66	68	60	60	62	63.4
	Maximum	88	88	90	80	85	89	88	85	89	86	89	91	84	90	90	86	78	84	86	85	87	78	76	78	83	86	88	80	80	86	89	85.3
Sergent	Maximum	64	69	73	73	72	68	72	72	70	72	72	74	68	68	70	64	64	61	58	61	61	58	55	51	51	59	64	65	70	66	60	62	65.3
	Minimum	86	86	88	87	87	90	93	87	88	88	90	91	90	91	89	89	87	85	83	88	87	76	74	75	82	85	87	88	83	85	85	85	85.5
Williamsburg	Maximum	68	68	67	67	69	70	70	69	70	71	70	69	64	68	67	65	63	58	57	59	63	58	55	53	58	57	59	58	59	60	61	62	63.5
	Minimum	90	92	94	87	92	94	93	89	95	92	95	95	90	96	95	89	85	85	89	93	90	82	79	80	86	89	90	91	85	86	87	89.4
	Minimum	62	65	69	70	69	70	69	69	69	68	71	69	66	66	67	65	64	67	64	59	63	59	53	56	60	52	57	60	65	65	56	57	63.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, etc. indicate respectively 1, 2, 3 etc., days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., SEPTEMBER, 1923. No. 9

GENERAL SUMMARY.

Marked extremes in temperature and precipitation characterized the month's weather. A warm week at the beginning was followed by ten days of unseasonably cool weather that culminated in heavy frosts in the northeastern counties, where the foliage of late crops was seriously damaged. Light frosts in other parts of the State caused no injury of consequence, but the continued low temperature delayed growth and ripening of late corn and tobacco. Persistent showers and high humidity during the first half of this period retarded the curing of tobacco, and caused considerable sweating or "houseburn" in the more recent cuttings. The decade of very warm and comparatively dry weather, with which the month closed, contributed much to overcome the effect of the previously unfavorable conditions. Sweating in barns ceased, curing proceeded rapidly, and much better progress was made with cutting. Except for small parts of scattered crops, all tobacco had been cut by the end of the month.

Precipitation was generally excessive in the southern and western counties, over areas that received too much rain in August preceding. As a result corn and tobacco on low or flat lands in that district made poor growth and yields. The rains greatly delayed the cutting and housing of tobacco in the Dark district, and caused corn to remain green and sappy much later than usual. Little progress was possible with corn cutting until the last week. The lighter rainfall in the Burley district interfered only slightly with harvesting the crops. The dry, hot weather of the last decade was timely for making late hay of alfalfa, cowpeas, and soybeans. Considerable rye was sown, mostly on tobacco stubble, for a winter cover crop. Late potatoes suffered from too much rain in the wet districts, and did not receive enough rain in some northern counties. Pastures, young clover, and all grasses grew exceptionally rank, but became quite weedy in wet districts. Shortage of labor on the farm, as well as the wet weather, prevented much fall plowing until late in the month.

TEMPERATURE.

The average temperature for the month, 41 stations reporting, was 69.8°, which is 0.2° below normal. In the period 13-16th, mean daily temperatures ranged from 10° to 18° below normal, and minimum temperatures registered from 30° to 45° at most stations. In the warm period from the 24th to 29th, maximum temperatures near or above 90° occurred in all districts. The extremes for the month were 94° at several stations on the 27th and 28th, and 30° at Farmers on the 16th.

PRECIPITATION.

The average precipitation for the State, based on reports from 57 stations, was 2.87 inches, which is 0.11 inch above normal. Showers occurred generally in the periods, 3d-8th and 18th-21st, and locally in the central and eastern counties on the 12th. Marked irregularity characterized the areal distribution. In the western counties amounts ranged between 3.0 and 5.0 inches at most stations, and they were generally above 3.0 inches in the eastern mountain section. In most of the central district they ranged between 1.5 and 3.0 inches, and in the northern bluegrass from 0.6 to 1.5 inches. At the various stations the monthly precipitation varied between 0.60 at Scott and 5.34 inches at Paducah. Thunderstorms were frequent, especially during the first half of the month.

(Continued on next page.)

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
								Max. Velocity.*		
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.04	30.31	14	29.75	20	4577	6.4	26	sw.	20
Cincinnati ..... Ohio	30.08	30.42	17	29.71	20	3790	5.3	19	se.	20
Evansville..... Ind.	30.08	30.33	16	29.74	20	6218	8.6	30	sw.	20
Lexington ..... Ky.	30.09	30.40	17	29.78	20	7587	10.8	34	sw.	6
Louisville ..... Ky.	30.09	30.40	17	29.73	20	6298	8.7	43	n.	28

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
							Number of days with	
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	89	61	75	223.6	372.4	60	13	5
Cincinnati ..... Ohio.	85	55	76	243.3	373.1	65	14	4
Evansville..... Ind.	83	51	64	235.2	372.9	63	12	4
Lexington ..... Ky.	83	64	.....	172.8	372.9	46	6	16
Louisville ..... Ky.	81	56	61	277.2	372.9	68	16	1

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature.				Precipitation.		
	Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Monthly average.	Departure from 30-year normal.	No. of days with .01 in. or more rain.
1889	72.1	+2.1	101	36	1.23	−1.53	..
1890	67.0	−3.0	95	36	2.71	−0.05	..
1891	69.5	−0.5	97	42	1.89	−0.87	..
1892	68.5	−1.5	93	38	2.68	−0.08	..
1893	69.6	−0.4	99	35	3.24	+0.48	..
1894	71.7	+1.7	98	37	2.71	−0.05	..
1895	73.4	+3.4	101	27	1.10	−1.66	3
1896	68.6	−1.4	100	30	3.77	+1.01	7
1897	72.8	+2.8	105	31	0.21	−2.56	1
1898	73.4	+3.4	103	42	4.36	+1.60	9
1899	68.7	−1.3	105	27	1.66	−1.10	5
1900	74.6	+4.6	102	35	2.25	−0.51	6
1901	68.1	−1.9	98	33	3.57	+0.81	6
1902	67.3	−2.7	97	29	4.01	+1.25	10
1903	69.1	−0.9	100	32	1.91	−1.85	4
1904	71.1	+1.1	99	34	2.58	−0.18	8
1905	70.2	+0.2	98	36	2.61	−0.15	6
1906	73.0	+3.0	95	45	6.15	+3.39	13
1907	69.1	−0.9	102	35	3.00	+0.24	6
1908	71.6	+1.6	101	39	1.03	−1.73	3
1909	67.7	−2.3	97	32	2.51	−0.25	6
1910	71.8	+1.8	99	38	4.41	+1.65	9
1911	74.3	+4.3	99	46	3.71	+0.95	10
1912	71.0	+1.0	103	33	2.80	+0.04	7
1913	69.6	−0.4	106	29	2.49	−0.27	9
1914	67.8	−2.2	97	36	2.96	+0.20	6
1915	70.7	+0.7	99	32	3.32	+0.56	7
1916	67.2	−2.8	98	32	3.48	+0.72	6
1917	67.7	−2.3	96	34	2.56	−0.20	5
1918	62.8	−7.2	92	39	2.94	+0.18	8
1919	71.5	+1.5	102	40	1.69	−1.07	4
1920	70.8	+0.8	96	38	3.30	+0.54	9
1921	75.5	+5.5	99	45	5.37	+2.61	13
1922	72.7	+2.7	102	39	2.22	−0.54	5
1923	69.8	−0.2	94	30	2.87	+0.11	8

Climatological Data for September, 1923.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	19	70.0	− 0.9	92	28	35	15	36	2.46	−0.22	0.87	0	8	18	2	10	w.	Miss Addie B. Taylor
Blandsville	Ballard	445	41	69.4	− 1.5	86	28†	46	15	26	4.30	+1.15	1.40	0	9	10	7	13	sw.	E. W. Horr.
Calhoun	McLean	437	19	69.6	− 2.6	89	27	42	15	32	3.89	+1.11	0.98	0	10	11	13	6	se.	W. A. Taylor.
Earlington	Hopkins	420	32	70.6	− 0.5	92	28	39	15	34	4.04	+1.35	1.52	0	9	17	9	4	sw.	Brick Southworth.
Greenville	Muhlenburg	519	6	[a]69.4	.....	90[b]	27	38[b]	15	35[c]	3.51	.....	1.04	0	7	15[b]	13[b]	0[b]	s.	C. R. Lovell.
Henderson	Henderson	327	14	.....	.....	.....	.....	.....	.....	.....	2.08	−0.76	1.00	0	8	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	26	72.2	+ 0.3	94	28	42	15	38	3.74	+0.70	1.55	0	8	14	4	12	s.	W. E. Graves.
Marion	Crittenden	571	24	70.4	− 1.8	89	29	41	15	29	4.11	+1.07	2.60	0	3	12	9	9	nw.	B. C. Paris.
Mayfield	Graves	364	11	70.2	− 1.2	88	1†	47	16	33	4.38	+1.29	1.90	0	8	18	10	2	s.	N. E. Douthit.
Owensboro	Daviess	479	26	68.8	− 1.9	86	1†	44	16	28	3.50	+0.68	1.25	0	9	14	4	12	s.	Henry S. Berry.
Paducah (Lone Oak)	McCracken	516	5	72.2	.....	93	28	42	16	37	4.40	.....	2.00	0	7	15	6	9	se.	J. W. Lilley.
Paducah	McCracken	341	34	.....	.....	.....	.....	.....	.....	.....	5.34	+2.40	1.88	0	6	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	12	69.4	− 2.0	87	28	45	15	28	5.24	+2.45	3.06	0	8	10	9	11	s.	Dr. W. L. Cash.
Russellville	Logan	590	9	[a]69.3	− 2.2	90[a]	27	39[a]	15	34[b]	2.04	−0.96	0.53	0	8	18[a]	3[a]	8[a]	s.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	22	69.2	+ 0.7	91	1†	38	14	36	3.31	+0.65	1.15	0	9	20	3	7	sw.	C. F. Barret.
Barlstown	Nelson	637	26	70.8	− 1.1	91	1†	40	16	35	1.52	−1.38	0.28	0	10	9	7	14	s.	Chas. M. Talbott.
Bowling Green	Warren	500	32	72.0	+ 0.3	94	27	40	15	40	2.64	−0.49	0.88	0	8	11	9	10	s.	Mrs. Lillie G. Causey.
Brownsville	Edmonson	410	5	.....	.....	.....	.....	.....	.....	.....	3.14	.....	0.70	0	8	.....	.....	.....	.....	Earl Holder.
Burnside	Pulaski	773	30	.....	.....	.....	.....	.....	.....	.....	2.35	−1.16	0.80	0	8	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton (Lock No. 1	Carroll	422	23	.....	.....	.....	.....	.....	.....	.....	1.41	−1.42	0.63	0	10	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	9	.....	.....	.....	.....	.....	.....	.....	1.63	−0.97	0.56	0	8	.....	.....	.....	.....	W. A. Cockerill.
Eubank	Pulaski	1177	28	69.2	+ 0.7	89	1†	42	15	32	3.08	+0.17	2.04	0	8	5	13	12	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	29	70.2	+ 1.7	88	1†	44	14†	30	2.76	−0.16	1.34	0	6	20	0	10	s.	Sidney Wood.
Franklin	Simpson	691	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glasgow	Barren	780	1	71.2	.....	92	28	40	15	34	2.08	.....	0.60	0	7	20	2	8	w.	Dr. Fidella Edwards.
Greensburg	Green	581	39	68.0	− 1.6	90	4	34	16†	42	2.84	−0.22	0.73	0	10	4	1	25	n.	Mrs. Bettie K. H. Alcorn
High Bridge	Jessamine	550	20	.....	.....	.....	.....	.....	.....	.....	1.91	−1.06	1.02	0	9	.....	.....	.....	.....	Mrs. Lulu Wood.
Irvington	Breckenridge	646	25	69.8	− 0.6	88	1	43	14	28	2.35	−0.66	0.78	0	6	16	3	11	sw.	W. J. Piggott.
Junction City	Boyle	985	29	69.0	− 0.8	88	2	37	16	40	3.52	+0.46	1.80	0	9	14	12	4	sw.	William E. Grubbs.
Leitchfield	Grayson	635	27	69.4	− 0.4	87	1†	42	15	30	2.79	−0.85	0.74	0	8	17	6	7	sw.	John E. Stone.
Lexington	Fayette	989	35	69.0	+ 1.1	88	1	41	14	27	1.51	−0.91	0.44	0	10	9	12	9	sw.	U. S. Weather Bureau.
LOUISVILLE	Jefferson	525	50	70.8	+ 0.3	89	1	45	14	28	3.61	+0.98	2.31	0	10	11	9	10	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	13	70.3	+ 1.4	90	28	42	14†	35	4.61	+1.22	2.46	0	12	18	7	5	s.	Wm. J. Hunt.
Pilcher (Dam 43)	Meade	363	0	.....	.....	.....	.....	.....	.....	.....	3.77	.....	1.45	0	7	.....	.....	.....	.....	W. D. Farnsley.
St. John	Hardin	777	26	69.0	− 0.1	90	28	41	14	33	3.12	0.00	1.16	0	8	20	5	5	.....	Sisters of Loretto.
Scott ¶	Kenton	900	25	68.5	− 1.0	89	25	38	14	34	0.66	−1.95	0.16	0	9	7	16	7	ne.	E. B. Wilson.
Shelbyville	Shelby	825	32	68.9	− 0.3	89	1†	39	14	32	2.08	−0.77	0.52	0	8	11	7	12	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	20	68.6	+ 0.6	87	28	38	16	32	1.55	−1.68	0.44	0	8	18	5	7	se.	E. D. Bourne.
Williamstown	Grant	943	19	67.8	− 0.8	88	26†	37	14	34	1.45	−1.51	0.46	0	7	14	10	6	nw.	Wm. Dunlong.
Woodbury	Butler	533	5	.....	.....	.....	.....	.....	.....	.....	2.02	.....	0.94	0	8	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ages	Harlan	1265	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ashland	Boyd	534	4	70.4	.....	89	25	40	16	33	2.58	.....	1.30	0	8	18	0	12	se.	W. B. Shaw.
Beattyville	Lee	650	18	70.9	+ 1.1	92	1†	40	16	39	3.15	+0.08	2.18	0	9	5	17	8	w.	Mrs. Sophie E. Ball.
Berea	Madison	1070	18	69.0	− 0.3	87	1†	40	16	34	3.95	+1.09	2.30	0	11	10	12	8	sw.	Frank Montgomery.
Cynthiana	Harrison	684	5	.....	.....	.....	.....	.....	.....	.....	1.20	.....	0.25	0	8	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	660	34	.....	.....	.....	.....	.....	.....	.....	1.24	−1.22	0.65	0	6	16	8	6	se.	J. V. Oldham.
Farmers	Rowan	668	13	[a]68.8	+ 0.6	92[a]	1†	30[a]	16	44[b]	2.80	−0.14	0.85	0	7	20	6	4	nw	Mrs. Edna Tinsley.
Jackson	Breathitt	776	9	67.8	.....	87	24†	53†	16	31†	2.31	−0.27	.....	0	.....	11†	4†	3†	w.	Dr. Dan. Fortune.
Louisa	Lawrence	584	16	.....	.....	.....	.....	.....	.....	.....	3.71	+1.04	1.60	0	5	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	25	69.8	+ 0.2	91	1†	41	16	33	4.14	+1.51	2.00	0	8	20	1	9	w.	Harry M. Robinson.
Middlesboro	Bell	1128	25	70.0	+ 1.2	89	26	39	15	36	1.72	−1.03	0.50	0	6	21	9	0	.....	B. H. Perkins.
Mount Sterling	Montgomery	930	33	68.3	+ 0.7	89	1†	40	14†	33	2.93	−0.02	0.93	0	9	17	4	9	sw.	W. R. McKee.
Oliver	Greenup	540	3	.....	.....	.....	.....	.....	.....	.....	2.29	.....	0.82	0	5	.....	.....	.....	.....	Chas. Folsom.
Oneonta	Campbell	443	1	.....	.....	.....	.....	.....	.....	.....	1.19	.....	0.64	0	4	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	17	.....	.....	.....	.....	.....	.....	.....	2.08	−0.89	0.86	0	7	.....	.....	.....	.....	I. M. Williams.
Richmond	Madison	926	28	71.6	+ 1.1	94	27	43	14†	35	2.82	−0.02	1.48	0	8	16	4	10	.....	J. W. Crooke.
Sergent	Letcher	1235	0	69.8	.....	87	1†	43	15	33	2.98	.....	1.49	0	9	22	6	2	se.	A. K. Williams.
Vanceburg	Lewis	525	6	.....	.....	.....	.....	.....	.....	.....	2.94	+0.31	1.20	0	10	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	939	25	71.6	+ 1.0	92	27	39	15	40	4.56	+1.20	2.20	0	10	5	15	10	sw	Mrs. Ruth Inman.
State averages and extremes		.....	.....	69.8	.....	94	27†	30	16	44	2.87	.....	3.06	0	8	15	7	8	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries
T Precipitation is less than 0.01 inch rain or melted snow.
¶ Post-office address, Covington, Ky.

MISCELLANEOUS.

Sept. 3.—A tornadic funnel, very long and narrow, white in color and probably composed of dust, accompanied a local thundershower in northern Ballard County. It was observed from the Weather Bureau Office at Cairo, Ill., but was too far away to hear the noise or to determine the direction of movement. No damage was reported.

Sept. 12.—Lightning caused the destruction of a factory at Louisville, with a loss estimated at $27,000.

Rivers.—Low stages prevailed in all rivers of the State during the month.

Daily Precipitation for September, 1923

Stations	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Western Division																																
Beaver Dam ‖ G				.65	.09	.15	.32	.10											.20	.87	.08											2.46
Beardsville M	1.40	.70	T.	.05	.49	.31												.11	.39	.72										1.32		4.09
Calhoun G	T.		.75	.95	.03	.89	.02					.01						.27	.20	.72	.02											3.82
Darlington ‖ G			.15	.02	.06	.20	.57											.01	1.52	1.45	.06											4.04
Greenville G			.47	.16	.36	.71	.02					T.					T.	.75	1.04		T.											3.51
Henderson ‖ O			.20	.55		.10	.05												.10	1.60	.05	.03										2.08
Hopkinsville ‖ C			T.	.33	.09	1.55	.18	.55										T.	.14	.77	.12											3.73
Macon O					T.	.45												T.	2.40	1.66												4.11
Mayfield M		.40	.12	.20	.46	1.00	T.			T.								.10	T.	1.80	T.								.25			4.38
Owensboro ‖ O			.20	1.25	.30	T.	.28	.03										.05	.45	.68	.20	T.										3.70
Paducah (Lone Oak) O		.30	.10		.30	.55													.95	2.00									.20			4.40
Paducah ‖ O			.10	1.82	T.	.42	.15												.97	1.88												5.34
Princeton G		T.	.15	.59	.06	.52	T.											.07	3.06	.78	.01								T.			5.24
Russellville ‖ G				.02	.02	.36	.53	.15											.11	.41	.44											2.04
Central Division.																																
Anchorage O			1.15	.57		.08	.40	.06				.16						.11	T.	.59	T.							.19				3.31
Bardstown ‖ S				.20	.28	.06	.04	.20				.25	.07						.13	.25									.04			1.62
Bowling Green ‖ G				.11	.12	.88	.38	.10											T.	.52	.28							.25				2.64
Brownsville ‖ G				.10	T.	.70	.50	.42				.32								.46	.31							.34				3.14
Burnside ‖ C				.80	.06	.06	.06	.45					.23							.47	.25											2.38
Carrollton ‖ (Lock No. 1) O				.12	.63		.14	.12				.02	.02					.01	.04	.28	.03											1.41
Cloverport ‖ O			T.	.12		.02	.20	.66				.11						T.	.54	.56	.03											1.64
Eubank ‖ C				.05	.40	.14	.75	.10				T.	.12								2.04							.08				3.68
Frankfort ‖ K				T.	1.34		.25	.40				.65	T.						T.	.12	.04											2.70
Franklin G																																
Glasgow G				.07	.10	.16	.60					.34							.21	.50												2.08
Greensburg ‖ G					.25	.07	.12	.06				.01	.35							.62	.73						.12	.51				2.84
Hugh Bridge K				.11	1.02		.20	.15			.05	.70							.04	.06	.18											1.91
Irvington O			.29			.22	.23	T.				.75						.86	T.	.45												2.33
Junction City K			.05	1.00		.03	.18			.10		.30						.01	.05	1.80												3.52
Leitchfield G			.64	.05		.35	.12					.30					T.	.30	.29	.74												
Lexington *** K			.36	.19		.06	.03	.01				.31						.06	.10	.37						.02	T.					2.79
LOUISVILLE*** O			.21	2.30		.08	.03					.20						.19	.24	.07		.01						.28				1.51
Do. (Cherokee Park) O			.45	2.46	.17	.09	.16	.05				.27						.26	.28	.28				.04					.10			3.61
Pilcher (Dam 43) ‖ O				.20	1.45	T.	.16	.13				.86						.37		.60	T.											4.61
St. John ‖ S				1.16		.06	.30	.43				.52						T.	.18	.45	.02											3.77
Scott L			T	.13	.03	.04	.02	.04				.05							.05	.08	.16						T.					3.12
Shelbyville ‖ S					.52	.07	.24	.28				.48								.15	.25	.09										0.60
Taylorsville S			.03	.02		.01	.21	.38				.25						.21	T.	.44			T.				T.					2.08
Williamstown ‖ L					.40		.05	.15												.17	.19	.46						.03				1.55
Woodbury ‖ G				.94		.13	.11	.10				.02						T.	.10	.52	.10											1.45
Eastern Division.																																2.02
Ages K																																
Ashland ‖ O				.25	.05	.10	.15	.50											.16	.07	1.30											2.58
Beattyville ‖ K				.04	.06	T.	.06	.60					.10						.02	T.	2.18						.07		.02			3.15
Berea K			.20	.47	T.	.07	.10	.03				.43						.14	T.	2.07	.23											3.95
Cynthiana ‖ L			T.		.10	.25	.20	.20			T.	T.	.10						.20	.10	.05								.05			1.20
Falmouth ‖ L				.11	T.	.65	.08					.08	T.					T.	.11	.21									T.			1.24
Farmers ‖ L				.83		.50	.10						.20						.10		.85							.22				2.80
Jackson ‖ K				*	*	*	*	1.50					T.						.40		.41											2.31
Louisa ‖ B					.65	.52	.52												.41		1.60											3.71
Maysville ‖ O			.15	.73	T.	.32	.57	T.											.10	.19	.08						2.00					4.14
Middlesboro C						.38		.39											.14	.15	.50							.16				1.72
Mount Sterling ‖ L				.41	.12	T.	.34	.03				T.							.28	.15	.93	T.						.21	.45			2.92
Oliver ‖ O						.16	.82	.66											.15	.50												2.29
Oneonta ‖ O				.03				T.											.64	.88								.14				1.19
Pikeville ‖ B				.32	.86		.12	.26					.06						T.		.12						.84					2.08
Richmond ‖ K				.21	.17		.47	.25				T.	.13						.10		1.48								.01			2.82
Sergeant K			.35	.05		.45		1.49		.01									.24	.28	.10					.01						2.98
Vanceburg ‖ O				.32		.06	1.20	.48					.02						.12	.35	.10							.10	.19			2.94
Williamsburg ‖ C				.05	.03	.13	.10	.88					.10							.36	.46					T.	2.20		.25			4.56

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

Daily Temperatures for September, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	87	84	83	80	90	82	82	84	85	82	84	80	82	82	70	74	87	77	76	83	77	77	84	89	83	90	90	92	90	82	..	82.9
	Minimum	60	60	61	61	60	70	62	60	54	55	50	60	46	45	35	40	54	61	68	63	57	59	60	55	56	55	62	61	60	60	..	57.1
Blandville	Maximum	82	75	80	76	78	78	76	79	79	78	80	74	76	67	68	77	79	78	79	78	68	71	76	79	79	81	85	86	86	83	..	77.6
	Minimum	62	57	60	58	57	60	55	58	62	60	56	56	50	53	50	46	47	61	67	69	66	56	57	58	60	59	57	61	66	66	65	61.2
Calhoun	Maximum	86	85	83	81	79	86	77	80	80	77	81	75	75	67	69	72	83	79	75	81	77	70	79	86	84	88	89	88	85	81	..	79.7
	Minimum	61	68	71	68	68	69	68	58	58	56	51	61	49	46	42	43	55	64	69	69	60	57	57	56	58	56	61	60	63	62	..	59.5
Earlington	Maximum	90	88	86	79	83	91	82	83	84	82	84	79	81	70	71	73	83	77	77	80	75	72	73	85	85	85	88	90	92	89	85	82.1
	Minimum	62	70	70	68	66	69	68	55	60	56	56	61	48	47	39	42	55	67	69	68	55	57	56	58	56	56	58	60	62	60	..	59.0
Greenville	Maximum	89	86	86	80	85	81	79	81	83	80	84	80	78	67	70	73	81	75	76	81	77	72	80	87	84	89	..	90	..	85	..	†80.9
	Minimum	59	65	69	67	66	67	67	57	57	55	49	59	47	44	38	40	63	63	67	66	55	57	57	59	55	55	59	..	..	59	..	†57.9
Hopkinsville	Maximum	90	89	90	89	86	88	76	84	88	86	90	83	82	75	78	84	85	78	79	83	74	74	84	89	86	92	93	94	92	89	..	85.0
	Minimum	63	66	69	69	68	67	67	57	55	59	53	59	49	48	42	46	60	65	67	67	58	57	59	55	56	57	61	62	63	61	..	59.5
Marion	Maximum	85	85	85	85	77	82	81	81	82	81	81	81	77	73	70	71	81	81	75	78	80	69	78	81	81	81	85	87	89	86	..	80.3
	Minimum	69	69	70	68	67	69	68	62	61	56	55	64	58	47	41	43	58	66	66	68	56	55	58	61	60	59	61	67	66	63	..	60.6
Mayfield	Maximum	88	87	85	77	82	70	77	82	84	80	88	79	78	70	72	80	78	76	79	80	76	73	72	73	78	78	81	86	86	84	79	79.7
	Minimum	67	68	68	69	66	69	68	67	59	60	55	55	51	50	48	47	62	68	70	68	58	58	60	59	56	56	57	62	63	64	..	60.6
Owensboro	Maximum	86	84	82	81	82	78	79	78	79	77	78	74	75	65	67	71	82	77	75	78	75	74	79	83	82	84	85	86	85	79	..	78.7
	Minimum	66	67	66	66	67	68	65	56	57	55	56	51	49	45	45	44	55	65	66	67	59	56	59	57	57	57	60	59	62	64	..	58.8
Paducah (Lone Oak)	Maximum	88	76	88	85	84	83	80	83	86	85	85	87	80	82	76	76	79	82	83	81	82	76	76	82	84	86	87	90	93	91	89	83.3
	Minimum	69	70	69	69	67	70	69	58	60	59	54	65	52	51	45	42	60	69	67	67	57	57	60	59	58	57	61	63	63	63	..	61.0
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	85	82	82	76	79	77	76	79	80	78	81	78	76	67	69	72	80	78	76	79	76	71	76	81	85	86	87	85	82	..	..	78.7
	Minimum	65	69	71	68	68	69	67	59	56	59	53	62	50	49	45	46	56	65	68	68	56	58	60	58	57	58	62	63	64	..	..	60.2
Russellville§§	Maximum	89	87	83	84	86	78	80	81	83	82	84	77	74	70	76	85	74	79	84	71	73	81	84	86	..	..	..	..	..	..	..	*80.8
	Minimum	59	64	67	68	67	66	67	60	55	58	51	54	48	48	39	44	51	64	63	65	56	59	58	54	55	57	..	60	61	59	..	*57.8
Central Division.																																	
Anchorage	Maximum	91	87	83	85	87	82	81	84	82	80	84	74	77	66	67	73	86	70	83	79	72	74	82	89	90	91	91	91	88	78	..	81.6
	Minimum	59	64	65	66	66	67	67	66	53	52	48	54	44	38	41	42	56	50	61	64	57	58	57	61	58	57	62	61	60	54	..	56.7
Bardstown	Maximum	91	88	86	89	88	82	83	82	83	80	83	73	80	68	69	75	84	74	78	82	73	77	84	90	90	90	91	90	87	77	..	82.3
	Minimum	61	65	66	66	67	69	69	61	56	56	50	58	47	42	44	40	52	66	68	67	60	61	59	61	59	60	65	63	63	56	..	59.4
Bowling Green	Maximum	91	91	86	86	88	81	81	85	88	85	88	79	83	74	74	82	88	76	79	84	79	76	86	90	89	93	94	92	92	85	..	84.8
	Minimum	61	63	67	68	67	67	68	58	56	57	54	58	50	47	40	42	55	65	66	66	59	59	58	58	59	63	64	63	64	63	61	59.1
Eubank	Maximum	89	87	83	89	83	83	80	79	84	81	82	78	77	66	65	70	83	75	73	77	73	73	77	86	87	86	89	88	88	87	74	81.1
	Minimum	60	58	66	64	64	66	66	62	52	57	52	53	45	43	42	43	51	62	65	67	56	54	59	55	57	60	62	60	58	58	55	57.2
Frankfort	Maximum	85	87	84	87	84	82	82	80	79	76	78	73	74	67	65	71	81	79	83	79	73	76	81	85	86	88	87	85	85	81	..	80.2
	Minimum	63	64	69	67	68	69	70	62	57	56	52	59	51	44	47	44	51	64	66	68	61	62	60	60	59	61	64	63	63	58	..	60.1
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Glasgow	Maximum	84	85	86	86	86	81	78	82	85	87	84	79	80	71	71	78	82	75	78	84	74	82	85	88	89	90	89	92	91	84	..	82.9
	Minimum	67	66	69	68	66	66	67	68	62	56	54	54	58	49	47	40	44	59	66	66	67	60	59	60	56	59	60	56	59	60	60	59.6
Greensburg	Maximum	89	87	82	90	86	81	79	79	83	81	82	76	78	67	67	76	84	75	75	81	77	76	83	87	88	88	87	86	86	85	79	81.1
	Minimum	56	59	65	63	63	64	66	57	49	52	47	51	45	42	34	34	48	59	64	64	55	58	54	56	56	57	59	58	59	59	56	55.0
Irvington	Maximum	88	85	82	87	86	79	80	79	80	77	80	72	74	65	65	72	82	76	77	81	73	74	80	84	85	86	87	86	86	77	..	79.5
	Minimum	62	69	69	70	70	70	69	60	60	59	52	60	46	43	44	44	54	64	69	68	60	60	60	60	60	60	59	60	59	60	60	60.1
Junction City	Maximum	84	88	82	83	87	82	79	80	84	83	83	76	80	64	76	84	74	75	79	78	80	85	86	87	87	87	87	86	85	..	..	81.5
	Minimum	60	56	67	61	63	67	67	60	52	53	48	53	45	46	40	37	47	60	65	66	54	60	56	55	52	58	62	60	62	60	..	56.4
Leitchfield	Maximum	87	87	82	82	82	78	78	79	81	77	82	75	76	67	67	72	82	75	74	81	71	74	82	85	85	87	87	87	86	77	..	79.5
	Minimum	61	65	69	68	69	68	68	60	56	57	52	59	48	44	42	43	53	64	67	67	58	60	58	59	59	59	63	62	61	61	..	59.3
Lexington	Maximum	88	84	79	83	83	80	79	75	77	74	79	71	72	61	62	69	81	69	78	77	69	73	81	86	87	86	85	85	82	72	..	77.6
	Minimum	67	67	68	69	66	68	68	61	59	55	55	60	49	41	44	42	54	65	67	64	60	58	59	61	66	68	68	68	68	64	..	60.4
Louisville	Maximum	89	84	81	81	84	79	79	79	79	77	80	72	72	65	67	73	82	71	80	81	70	78	83	86	86	87	88	89	85	75	..	79.5
	Minimum	68	69	71	70	70	70	67	63	62	56	56	62	50	45	45	45	56	64	69	66	61	60	60	64	65	64	67	65	66	66	..	67.0
Do. (Cherokee Park)	Maximum	85	84	82	81	81	80	78	76	76	75	76	80	74	65	71	75	85	85	85	85	75	77	85	88	89	90	90	90	87	..	..	80.5
	Minimum	62	65	69	68	68	69	69	60	60	54	56	64	50	42	42	42	55	65	67	67	61	59	59	60	59	60	64	69	64	58	..	60.1
St. John	Maximum	88	85	81	87	84	78	80	81	81	79	83	76	78	66	68	72	82	72	75	82	71	75	82	86	87	88	89	90	90	87	..	80.3
	Minimum	60	62	65	67	65	67	66	57	55	55	50	56	46	41	42	45	51	64	63	66	57	57	59	57	57	58	62	60	61	58	..	55.7
Scott	Maximum	86	85	78	80	87	79	80	78	75	75	80	75	70	60	61	69	82	74	82	77	75	74	78	84	89	88	88	87	81	76	..	78.4
	Minimum	62	65	69	66	65	70	68	59	58	54	47	58	49	28	42	40	48	65	65	68	60	65	58	59	61	61	65	62	62	58	..	58.6
Shelbyville	Maximum	89	86	80	82	84	80	82	78	80	78	80	74	75	64	66	71	83	69	81	80	72	75	82	87	88	88	89	89	86	74	..	79.7
	Minimum	63	64	67	66	67	66	64	58	56	52	50	55	47	39	42	40	51	64	66	67	58	58	58	59	59	59	64	63	61	55	..	58.1
Taylorsville	Maximum	85	84	81	81	84	81	81	78	79	76	79	73	74	62	62	70	81	73	80	80	74	75	81	84	84	86	86	87	84	79	..	78.8
	Minimum	59	61	66	66	68	69	69	59	54	54	47	56	45	41	42	38	49	60	67	68	68	61	60	58	59	56	57	61	65	60	..	58.3
Williamstown	Maximum	87	85	80	81	83	81	82	76	76	74	76	73	71	63	64	71	81	74	81	77	75	75	81	85	88	88	88	89	88	82	..	78.5
	Minimum	63	63	68	66	64	68	66	57	56	49	49	59	45	37	41	39	47	61	61	66	58	57	57	58	60	62	62	61	61	52	..	57.2
Eastern Division.																																	
Ages	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Ashland	Maximum	88	88	85	87	87	86	85	83	82	78	81	80	77	71	65	73	80	80	82	78	77	78	82	86	89	87	88	84	83	80	..	81.6
	Minimum	61	62	60	70	69	68	68	65	57	52	51	56	49	44	46	40	47	61	67	68	64	58	60	60	60	62	63	61	62	57	..	59.3
Beattyville	Maximum	92	89	86	92	90	86	83	82	86	82	86	78	79	70	71	79	85	76	77	75	78	82	83	90	89	92	90	92	91	85	..	83.8
	Minimum	59	59	67	68	66	67	65	58	56	52	55	53	44	43	40	48	57	64	64	60	58	57	58	59	63	65	65	61	61	57	..	58.0
Berea	Maximum	87	85	82	83	84	82	80	78	82	77	78	74	73	65	64	74	81	75	75	78	73	76	81	85	87	88	89	88	85	81	..	79.0
	Minimum	59	66	70	65	63	68	68	62	58	56	50	59	48	42	44	40	53	65	66	66	58	55	57	58	59	63	65	65	61	57	..	58.9
Farmers	Maximum	92	91	88	91	90	87	81	80	81	81	84	75	78	70	69	74	..	75	83	76	66	56	54	55	55	54	52	52	58	58	50	*68.9
	Minimum	54	55	64	64	68	65	64	62	49	49	47	50	45	37	43	30	44	..	63	66	56	54	55	55	54	52	52	52	58	58	50	*58.4
Jackson	Maximum	..	..	..	..	..	..	..	..	..	..	..	53	56	58	55	46	46	43	50	59	65	65	62	60	63	61	60	60	62	68	..	80.5
	Minimum	..	..	..	..	..	..	..	..	..	..	..	53	56	58	55	46	46	43	50	59	65	65	62	60	63	61	60	60	62	68	..	80.5
Maysville	Maximum	91	89	82	86	86	87	81	81	80	76	79	73	78	65	66	72	89	74	84	78	74	74	83	84	88	90	91	85	83	74	..	59.1
	Minimum	63	63	65	68	70	68	68	61	56	52	53	56	49	42	46	41	49	60	67	68	69	58	59	60	61	62	62	63	64	55	..	83.8
Middlesboro	Maximum	87	86	86	88	87	85	86	79	82	83	83	81	79	73	72	76	80	82	85	83	84	83	86	87	88	89	88	86	84	82	..	56.6
	Minimum	56	55	60	64	64	64	63	59	53	57	57	55	54	45	39	40	50	62	60	64	55	59	58	57	59	57	54	61	57	..	..	60.1
Mount Sterling	Maximum	89	86	85	85	87	84	81	79	79	76	80	76	75	64	63	70	82	75	83	81	72	76	82	87	85	89	88	88	86	82	76	56.5
	Minimum	60	63	66	63	64	65	64	60	55	54	51	55	47	40	41	40	49	56	60	58	59	55	57	59	58	58	58	61	60	59	..	59.0
Richmond	Maximum	91	88	85	84	88	84	80	78	83	82	86	75	78	68	73	78	85	77	77	78	73	82	87	91	91	93	94	88	90	79	..	82.6
	Minimum	64	65	71	67	65	65	69	62	59	56	55	61	52	43	45	43	54	65	66	68	60	59	60	62	63	65	66	66	64	59	..	60.6
Sargent	Maximum	87	85	79	86	86	85	84	79	83	80	81	82	75	69	68	76	81	82	72	85	82	83	86	87	83	87	86	86	85	82	75	81.6
	Minimum	57	55	60	67	65	65	65	65	54	54	57	58	58	49	43	44	48	56	65	64	65	58	59	59	59	59	58	58	60	57	..	57.9
Williamsburg	Maximum	90	87	85	91	87	85	84	85	86	85	84	82	73	72	80	86	80	78	82	83	86	87	83	87	86	88	87	85	85	82	75	85.2
	Minimum	58	58	63	66	64	65	67	64	53	58	61	65	54	37	39	40	51	57	64	66	60	57	60	58	57	62	60	60	62	56	..	58.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, etc. indicate respectively 1, 2, 3 etc., days missing from record.

51.15
N1E

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., OCTOBER, 1923. No. 10

GENERAL SUMMARY.

Temperatures unfavorable for growth prevailed during the first decade. Heavy to killing frosts in the northeastern counties from the 6th to 8th practically ended the growing season in that district, and caused some damage to late corn and potatoes. Tobacco cutting had been completed before the occurrence of these frosts. In the southern and western counties light frost at that time caused no damage of consequence; but the extended period of low temperature delayed the maturity of late crops. Killing frosts occurred generally over the State in the period 20th-22d. Except to very late market gardens, these frosts caused no damage.

Precipitation in excess of normal, due mostly to one heavy rain on the 17-18th, occurred in the valley of the lower Green and westward to the lower Cumberland; but there was a marked deficiency in the central and eastern districts. Corn cutting, which has been delayed by slow growth and the general lateness of the crop, was completed during the first decade. Early corn became thoroughly dry, and gathering commenced on many farms. Rye, sown for cover and pasture, grew slowly on account of the dry weather. Wheat sowing commenced in the northern counties during the first week, when there was still sufficient soil moisture for germination. Wheat sown after the 10th, mostly in the southern counties, largely failed to germinate until late in the month. The dry weather favored rapid curing of tobacco, most of which was quite dry by the end of the month. The late potato crop was reduced by the dry weather. Pastures, which were fair at the beginning of the month, deteriorated rapidly and became decidedly short, with feeding necessary during the last week. Shortage of stock water was reported from the hilly districts. The weather was exceptionally favorable for picking and marketing fruit, and for saving late hay.

TEMPERATURE.

The average temperature for the month, 40 stations reporting, was 56.5°, which is 1.3° below normal. Freezing temperatures in the northeastern counties, and slightly above freezing in other districts, were registered on the 6th. Unseasonably warm weather, with maximum temperatures ranging from 75° to 85°, prevailed in the period, 10-18th. From the 20th to 26th, freezing temperatures were reported from some part of the State every day. This cool period ended with a severe freeze on the 31st. The extremes for the month were 89° at Beattyville on the 13th, and 19° at Anchorage on the 31st.

PRECIPITATION.

The average precipitation for the State, based on reports from 57 stations, was 1.68 inches, which is 0.82 inch less than normal. There was no rain of consequence during the first half of the month. Heavy rains occurred in the western counties from the 16th to 18th; and light to moderate showers in the central and eastern districts from the 17th to 19th. Rain or snow occurred in the eastern counties in the period 23d-25th, and light showers generally over the State from the 28th to 31st. In the western counties monthly amounts ranged between 2.5 and 5.0 inches, but precipitation decreased rapidly eastward where it was generally less than 1.0 inch in the east-central district, including most of the bluegrass region. The mountain region received from 1.0 to 2.0 inches. For the State amounts varied between 0.29 inch at Frankfort and 4.97 inches at Owensboro. Heavy snow on the 23d in the eastern mountain counties broke large limbs from trees, and caused extensive damage to telephone, telegraph, and power lines.

(Continued on next page.)

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.14	30.44	31	29.39	18	5499	7.4	29	nw.	..
Cincinnati ..... Ohio	30.16	30.50	9	29.46	18	4811	6.5	26	ne.	23
Evansville ..... Ind.	30.17	30.48	22	29.56	18	7170	10.0	36	w.	18
Lexington ..... Ky.	30.15	30.47	9	29.51	18	8999	12.1	31	nw.	24
Louisville ..... Ky.	30.16	30.45	9	29.44	18	7198	9.7	33	s.	18

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	85	54	65	249.6	348.1	72	19	5
Cincinnati ..... Ohio.	82	47	65	222.5	346.1	64	16	8
Evansville ..... Ind.	74	46	54	237.6	347.3	68	18	7
Lexington ..... Ky.	72	51	.....	200.0	347.3	58	11	7
Louisville ..... Ky.	73	47	50	257.8	347.3	79	21	2

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with 01 in. or more rain.
1889	52.0	−5.8	89	23	2.42	−0.08	..
1890	55.7	−2.1	87	23	2.94	+0.44	..
1891	54.8	−3.0	92	21	0.78	−1.72	..
1892	57.3	−0.5	97	19	0.51	−1.99	..
1893	56.4	−1.4	90	19	4.00	+1.50	..
1894	58.6	+0.8	92	25	1.36	−1.14	5
1895	52.2	−5.6	89	14	1.24	−1.26	4
1896	55.8	−2.0	89	25	1.71	−0.79	5
1897	53.2	+3.4	96	26	1.10	−1.40	4
1898	57.1	−0.7	93	21	4.19	+1.69	10
1899	61.3	+3.5	93	26	2.42	−0.08	5
1900	64.5	+6.7	94	29	2.29	−0.21	5
1901	58.1	+0.3	93	25	1.57	−0.93	4
1902	60.1	+2.3	91	25	2.34	−0.16	5
1903	57.7	−0.1	96	19	2.22	−0.28	5
1904	57.2	−0.6	93	20	0.52	−1.98	2
1905	57.0	−0.8	89	25	4.95	+2.45	9
1906	56.9	−0.9	91	20	1.51	−0.99	7
1907	55.5	−2.3	93	20	2.97	+0.47	6
1908	57.1	−0.7	92	20	0.71	−1.79	3
1909	55.2	−2.6	94	18	2.11	−0.39	6
1910	61.4	+3.6	96	17	4.45	+1.95	6
1911	59.9	+2.1	94	27	3.71	+1.21	10
1912	59.5	+1.7	92	25	1.42	−1.08	4
1913	56.9	−0.9	97	23	3.55	+1.05	9
1914	59.7	+1.9	91	22	5.10	+2.60	9
1915	60.6	+2.8	90	27	3.40	+0.90	6
1916	57.6	−0.2	97	24	2.59	+0.09	6
1917	51.1	−6.7	90	20	3.18	+0.68	7
1918	62.3	+4.5	91	32	3.81	+1.31	10
1919	65.6	+7.8	98	35	7.99	+5.49	15
1920	61.0	+3.2	93	24	1.64	−0.86	4
921	57.1	−0.7	90	24	2.31	−0.19	6
922	60.2	+2.3	96	25	2.28	−0.30	6
923	56.5	−1.3	89	19	1.68	−0.82	

Climatological Data for October, 1923.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.			Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	19	56.8	− 1.9	86	11†	23	31	50	2.95	+0.15	2.10	0	4	20	9	2	e.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	41	55.6	− 3.0	81	13	24	31	31	2.52	−0.48	1.63	0	7	16	4	11	ne.	E. W. Horr.
Calhoun	McLean	437	19	57.2	− 2.8	86	13	25	31	47	4.18	+0.79	3.38	0	4	15	8	8	nw.	W. A. Taylor.
Earlington	Hopkins	420	32	56.6	− 2.7	84	13	23	31	43	4.34	+1.77	3.40	0	5	19	3	9	n.	Brick Southworth
Greenville	Muhlenburg	519	6	[a]56.4	.....	83[a]	11†	22[a]	31	46[a]	4.54	.....	2.98	0	5	23[a]	3[a]	4[a]	s.	C. R. Lovell.
																				W. W. Shelby.
Henderson	Henderson	327	14	.....	.....	.....	.....	.....	.....	.....	3.78	+0.58	3.50	0	4	.....	.....	.....	.....	.....
Hopkinsville	Christian	524	26	58.6	− 1.8	86	13	26	31	46	3.41	+0.54	2.36	0	4	16	6	9	w.	W. E. Graves.
Marion	Crittenden	571	24	57.6	− 1.8	83	1	23	31	35	3.27	+0.73	2.01	0	2	18	3	10	nw.	B. C. Paris.
Mayfield	Graves	364	11	.....	.....	.....	.....	30	31	.....	2.44	−0.09	1.75	0	4	21	5	5	sw.	N. E. Douthit.
Owensboro	Daviess	479	26	56.0	− 3.0	81	13†	24	31	36	4.97	+1.87	4.42	0	4	19	3	9	nw.	Henry S. Berry.
																				J. W. Lilley
Paducah (Lone Oak)	McCracken	516	5	58.0	.....	85	13	23	31	40	2.75	.....	1.85	0	6	20	4	7	w.	Frank L. Brown.
Paducah	McCracken	341	34	.....	.....	.....	.....	.....	.....	.....	2.66	−0.02	1.60	0	7	.....	.....	.....	.....	Dr. W. L. Cash.
Princeton	Caldwell	529	12	56.8	− 2.8	81	13	25	31	37	3.38	+0.89	3.00	0	5	15	3	13	n.	E. C. Shelton.
Russellville	Logan	590	9	[a]56.8	− 3.0	88[b]	13	26[b]	31	46[a]	3.08	+0.76	2.38	0	5	18[b]	5[b]	6[b]	n.	
Central Division.																				
Anchorage	Jefferson	709	22	55.4	− 1.4	85	12	19	31	47	0.99	−2.06	0.44	0	4	23	2	6	e.	C. E. Barret.
Bardstown	Nelson	637	26	57.0	− 2.5	85	13	22	31	44	0.40	−2.00	0.18	0	4	17	2	12	s.	Chas. M. Talbott.
Bowling Green	Warren	560	32	58.8	− 0.4	87	11	27	31	48	1.69	−0.68	1.54	0	2	16	7	8	w.	Virgil M. Whalin.
Brownsville	Edmonson	410	5	.....	.....	.....	.....	.....	.....	.....	1.69	.....	1.49	0	3	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	773	30	.....	.....	.....	.....	.....	.....	.....	0.84	−2.19	0.45	0	4	.....	.....	.....	.....	
																				Charlie Oliver.
Carrollton (Lock No. 1)	Carroll	422	23	.....	.....	.....	.....	.....	.....	.....	0.65	−2.00	0.23	0	6	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	375	9	.....	.....	.....	.....	.....	.....	.....	2.71	−0.35	2.59	0	5	.....	.....	.....	.....	Mrs. Katie Payne.
Eubank	Pulaski	1177	28	55.8	− 1.1	83	13	29	31	44	0.44	−2.28	0.17	0	3	11	9	11	n.	Sidney Wood.
Frankfort	Franklin	560	29	[b]56.4	− 0.7	82[b]	13	28[b]	31	40[b]	0.29	−2.18	0.15	0	5	21	1	9	w.	.....
Franklin	Simpson	691	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glasgow	Barren	780	1	58.8	.....	85	11†	29	23†	45	0.82	.....	0.40	0	4	24	0	7	n.	Dr. Fidella Edwards.
Greensburg	Green	581	30	[a]56.7	− 0.4	84	12†	28[j]	20	43[j]	0.31	−2.45	0.12	0	6	12	3	16	n.	Mrs. Bettie K. H. Alcorn
High Bridge	Jessamine	550	20	.....	.....	.....	.....	.....	.....	.....	0.43	−2.55	0.22	0	4	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	25	57.0	+ 1.4	81	12[e]	26	31	36	1.84	−0.91	1.05	0	4	18	7	6	sw.	W. J. Piggott.
Junction City	Boyle	985	29	55.8	− 2.0	86	12	27	20	47	0.39	−2.14	0.16	0	5	18	10	3	sw.	William E. Grubbs.
																				John E. Stone.
Leitchfield	Grayson	635	27	56.4	− 1.7	83	13	25	31	40	2.36	−0.07	1.30	0	4	18	7	6	nw.	U. S. Weather Bureau.
Lexington	Fayette	989	35	56.2	− 0.3	81	12	27	31	27	0.56	−1.66	0.34	0	5	16	8	7	ne.	U. S. Weather Bureau.
Louisville	Jefferson	525	50	57.2	− 2.1	82	13	28	31	33	1.06	−1.57	0.84	0	5	16	6	9	nc.	Wm. L. Hunt.
Do. (Cherokee Park)	Do.	534	13	[a]56.8	− 1.1	84	14	26[j]	31	25[j]	1.10	−1.99	0.42	0	6	16	6	9	nw.	W. D. Farnsley.
Pilcher (Dam 43)	Meade	363	0	.....	.....	.....	.....	.....	.....	.....	1.48	.....	1.10	0	6	.....	.....	.....	.....	.....
																				Sisters of Loretto.
St. John	Hardin	777	26	55.6	− 2.0	84	13	22	31	43	1.41	−1.08	1.05	0	4	25	1	5	.....	E. B. Wilson.
Scott ¶	Kenton	900	25	54.9	− 2.9	83	12†	22	31	41	0.69	−1.95	0.28	0	6	14	6	11	n.	Mrs. W. T. Miller.
Shelbyville	Shelby	825	32	55.9	− 0.8	84	12†	22	31	41	0.36	−2.06	0.13	0	4	17	2	12	n.	E. D. Bourne.
Taylorsville	Spencer	489	20	54.6	− 1.7	82	13	24	31	44	0.56	−2.41	0.17	0	6	16	8	7	ne.	Mrs. E. S. Humlong.
Williamstown	Grant	943	19	[a]56.1	+ 1.0	82	12†	33†	6†	34†	0.61	−2.30	0.27	0	4	14	6	11	n.	J. C. Stinson.
Woodbury	Butler	533	5	.....	.....	.....	.....	.....	.....	.....	2.15	.....	1.75	0	7	.....	.....	.....	.....	.....
Eastern Division.																				.....
Ages	Harlan	1265	1	.....	.....	.....	.....	.....	.....	.....	1.58	.....	0.70	0	7	21	0	10	ne.	W. B. Shaw.
Ashland	Boyd	534	4	56.7	.....	87	13	34	23	42	1.08	−2.27	0.68	T.	7	6	10	15	n.	Mrs. Sabina E. Hall.
Beattyville	Lee	650	18	56.5	− 1.3	89	13	28	23	49	0.95	−2.13	0.39	0	5	14	8	9	ne.	Frank Montgomery.
Berea	Madison	1070	18	55.8	− 2.8	84	13	27	23	41	0.77	.....	0.53	0	7	.....	.....	.....	.....	P. H. Kehoe.
Cynthiana	Harrison	684	5	.....	.....	.....	.....	.....	.....	.....	0.87	−1.57	0.43	0	5	20	4	7	e.	J. V. Oldham.
Falmouth	Pendleton	600	34	.....	.....	.....	.....	.....	.....	.....	1.28	−2.02	0.70	0	5	13	13	5	w.	Mrs. Edna Tinsley.
Farmers	Rowan	668	13	54.0	− 2.7	87	12	23	23	53	1.18	−2.41	0.76	T.	4	18[c]	6[c]	5[c]	sw.	Dr. Dan. Fortune.
Jackson	Breathitt	776	9	55.4	.....	84[c]	13	28[c]	23	42[c]	1.56	−1.29	0.86	.....	3	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	16	.....	.....	.....	.....	.....	.....	.....	1.66	−0.86	0.78	0	6	20	1	10	w.	Harry M. Robinson.
Maysville	Mason	524	25	56.0	− 1.1	84	13†	30	31	40	1.66	−0.86	0.78	0	₃3	24	6	1	.....	B. H. Perkins.
Middlesboro	Bell	1128	25	55.8	− 1.4	83	12†	27	21†	48	0.61	−1.69	0.36	0	5	20	3	8	w.	W. R. McKee.
Mount Sterling	Montgomery	930	33	55.4	− 0.2	83	12	28	31	41	1.41	−1.56	0.66	0	4	.....	.....	.....	.....	Chas. Folsom.
Oliver	Greenup	540	3	.....	.....	.....	.....	.....	.....	.....	1.34	.....	0.64	0	4	.....	.....	.....	.....	Andrew M. Stanforth.
Owenton	Campbell	443	1	.....	.....	.....	.....	.....	.....	.....	0.88	.....	0 52	0	3	.....	.....	.....	.....	Robert Repass.
Oneonta	Pike	634	17	.....	.....	.....	.....	.....	.....	.....	2.06	−0.96	0.62	1.0	5	.....	.....	.....	.....	.....
Pikeville	Madison	926	28	58.6	+ 0.2	87	12	29	31	39	0.65	−2.16	0.38	0	4	19	4	8	.....	J. W. Crooke.
Richmond	Letcher	1235	0	55.6	.....	85	12†	27	25	48	1.80	.....	0.74	7.5	7	25	3	3	s.	A. K. Williams.
Sergent	Lewis	525	6	.....	.....	.....	.....	.....	.....	.....	1.51	−1.18	0.72	0	7	.....	.....	.....	.....	Samuel Johnson.
Vanceburg	Whitley	939	25	56.5	− 3.0	83	11†	29	23	41	0.50	−2.05	0.30	0	2	21	9	1	.....	W. F. Bolton.
Williamsburg				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes				56.5	.....	89	13	19	31	53	1.68	.....	4.42	0.2	5	16	5	8	n.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries
T Precipitation is less than 0.01 inch rain or melted snow
¶ Post-office address, Covington, Ky.

Rivers:—Low stages prevailed in all rivers of the State during the month. In the Ohio stages were so low at several places that navigation was seriously impeded.

Daily Precipitation for October, 1923

Stations	Day of month.																													Total for month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam ..... G																.20	2.10															2.30
Brandyville ..... M				.01												.58	.08	1.53											.25	.10		2.55
Calhoun ..... G	T.			T.												T	.71	3.38			T					.06	.18			.08		4.42
Earlington ..... G	T.															T.	.71	3.40									T	.04		.05		4.15
Greenville ..... G																	1.00	2.98										.07	.04	.12		4.44
																												.16	.05	.35		4.54
Henderson ..... O																																
Hopkinsville C																		3.50	.10									.10	.08			3.78
Marion ..... O			T.													T.	.81	2.36										.03		.21		3.41
Mayfield ..... M	.20			T.													1.26	2.01									T.		T			3.27
Owensboro ..... O																.39	.10	1.75										T				2.24
																	.40	4.42	T								T.	T.	.05	.10		4.97
Paducah (Lone Oak) ..... O																																
Paducah ..... O	.10															.35	.20	1.85	.05									.15		.15		2.75
Princeton ..... G				.01													.50	1.60	.26									.06	.06	.08		2.66
Russellville ..... G																.01		3.00	T.								T.	.34	.02			3.58
																		2.38	.63										.01	.02	.04	3.08
Central Division.																																
Anchorage ..... O																T	.28	.44										T.	.16	.11		0.99
Bardstown ..... S																	.11	.09	.02													0.22
Bowling Green ..... G																		1.54												.18		1.72
Brownsville ..... G																		1.49												.15	T.	1.64
Burnside C																		T.	.45	.16		T.		.09				T.	.07		.12	0.89
Carrollton ‖ (Lock No. 1) ..... O																																
Cloverport ..... O																		.23	.10									.03	.02	.12	.15	0.65
Eubank ‖ C																T.	2.59	.06										.02	.01		.03	2.71
Frankfort ..... K																			.17	.10			.17									0.44
Franklin ..... G															T.			T.	.15					.02	T.			.02	.05		.05	0.29
Glasgow ..... G																																
Greensburg ..... G																	.40	.38										.01		.03		0.82
High Bridge ..... K																	.07	.01	.12									.05	.02	.04		0.31
Irvington ..... O																			T.	T.				.22				.07	.01	.13		0.43
Junction City ..... K																	.60	1.05	T.									T.	.07	.12		1.84
																		.03	.05					.05				.10		.16	T.	0.39
Leitchfield ..... G																																
Lexington *** ..... K	T.																1.30	.68												.08	.30	2.36
Louisville *** ..... O																	T.	.04	.02				.22	.12			.03	.05		.08		0.56
Do. (Cherokee Park) ..... O																	.42	.42	T.								T.	.05	.09	.08		1.06
Pilcher (Dam 43 ‖) ..... O																	.38	.42	.02									.05	.10	.13		1.10
																		1.10	.10									.10	.05	.08	.05	1.48
St. John ..... S																																
Scott L																		1.05	.02									.22	T.		.12		1.41
Shelbyville ..... S														T.	.01		T.	.10	T.					.25				.03	.02	.28		0.69
Taylor-ville ..... S																	T.	.12									.02	T.	.09	.13		0.36
Williamstown L															.03		.17	.12										.05	.05	.14		0.56
Woodsury ‖ ..... G																		.08	T.					.16					.10	.27		0.61
																	T.	1.75	.14		.02							.02	.01	.05	.16	2.15
Eastern Division.																																
Ages ..... K																			.50	.07				.70	.12			.04	.05		.10	1.78
Ashland ‖ ..... O																																
Beattyville ‖ ..... K																			.02	.02				.68	.11			.02	.02	T.	.21	1.08
Berea ..... K																		T.	.24					.39				.03	.02	.27		0.95
Cynthiana ‖ L																			.03	.06				.53	.02		.03		.04	.06		0.77
Falmouth ‖ L																		T.	.05					.43	.13				.09		.17	0.87
Farmers ‖ L																			.16					.70	.04			.20	T.		.18	1.28
Jackson ‖ ..... K																			.09	.08			T.	T.	.76	T.			.25			1.18
Louisa ‖ ..... B																				.41				.86							.20	1.56
Maysville ‖ ..... O															T.				.32	T.				.78	.18			.08	.12	T.	.18	1.66
Middlesboro C																			.05				.20	.86								0.61
Mount Sterling L																		.25	.10					.66				.15		.25		1.41
Oliver ‖ ..... O																			.64					.41	T.			T.	.19		.10	1.34
Oneonta ‖ ..... O															T.									.52	.28			T.	.08	T.		0.88
Pikeville ‖ ..... B																			.62	.18				.52	.26						.48	2.06
Richmond ..... K																		.05						.38				.13		.09		0.65
Sergent ..... K																		.08	.15	.03	T.		.74	.59						.13	.08	1.80
Vanceburg ‖ ..... O																			.29	.08			T.	.72	T.			.09	.10	.01	.22	1.51
Williamsburg ‖ C																			.30				T.	.20						T.		0.50

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

Daily Temperatures for October, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.																																	
Beaver Dam	Maximum	81	81	78	70	69	68	72	77	79	80	86	85	86	84	84	77	78	69	66	60	59	60	64	64	74	67	68	67	69	65	50	72.2
	Minimum	46	50	50	45	42	32	46	40	35	33	36	40	41	41	50	61	60	49	50	30	30	29	35	33	35	36	46	46	49	42	23	41.3
Blandville	Maximum	78	75	71	66	64	64	67	73	72	75	78	76	81	77	78	68	71	66	58	61	59	52	55	61	68	66	57	54	66	66	47	66.1
	Minimum	46	50	50	45	42	32	46	40	35	33	36	40	41	41	50	61	60	49	50	30	30	29	35	33	35	36	46	46	49	42	23	41.3
Calhoun	Maximum	77	76	73	71	67	68	70	75	71	80	84	83	86	86	86	73	64	61	49	35	38	35	34	39	38	40	45	52	50	43	25	45.0
	Minimum	59	52	50	49	46	38	50	48	39	36	37	40	42	49	50	63	64	70	60	64	57	56	56	61	70	69	64	59	67	62	46	64.5
Earlington	Maximum	81	80	78	70	66	66	70	75	75	78	83	82	84	82	82	73	70	60	48	33	40	30	30	35	37	38	42	51	50	41	23	43.7
	Minimum	58	50	49	48	46	34	48	40	37	36	40	44	44	49	51	59	63	60	48	33	40	30	30	35	37	38	42	51	50	41	23	43.7
Greenville	Maximum	79	76	75	71	66	65	70	74	75	80	83	81	83	80	80	77	...	75	65	64	56	55	56	63	71	72	65	60	71	71	49	70.3
	Minimum	57	49	51	46	43	34	47	40	35	34	37	42	42	48	50	61	60	47	32	41	33	32	37	34	36	44	49	50	41	22	*42.5	
Hopkinsville	Maximum	85	81	79	68	73	72	76	80	81	85	81	83	86	81	83	74	71	72	63	65	58	57	58	64	73	75	66	61	75	68	50	72.4
	Minimum	59	51	53	47	46	37	47	45	43	39	47	44	44	50	54	63	62	59	47	31	42	33	32	55	53	40	43	50	50	37	26	44.8
Marion	Maximum	83	76	76	74	70	66	70	72	73	78	82	80	82	81	80	79	71	68	69	59	62	54	54	58	65	71	62	55	63	63	48	69.2
	Minimum	60	54	51	55	45	38	48	43	43	43	51	55	54	56	51	63	63	62	45	39	34	31	30	37	42	42	40	50	49	35	23	46.0
Mayfield	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	62	55	52	52	46	40	50	45	40	40	45	46	48	52	53	61	64	56	44	33	32	33	33	33	37	38	41	50	50	32	30	44.9
Owensboro	Maximum	78	78	73	72	65	63	67	71	72	72	79	80	81	78	81	76	74	72	57	60	57	55	54	59	67	63	64	59	62	66	48	67.6
	Minimum	62	53	54	50	47	39	49	45	43	40	43	45	45	40	52	55	60	56	48	45	37	33	34	37	39	43	49	45	45	35	24	44.4
Paducah (Lone Oak)	Maximum	78	79	79	69	71	70	75	77	79	81	84	82	85	82	82	73	73	69	61	64	60	60	60	66	73	70	63	59	67	68	52	71.5
	Minimum	59	55	51	48	45	40	45	45	43	40	43	45	45	40	52	55	60	56	43	35	33	30	30	34	37	35	38	51	50	40	23	44.4
Paducah	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	62	53	50	52	49	40	42	45	43	41	44	42	49	50	54	62	63	56	42	35	33	30	30	34	37	35	38	51	50	40	23	44.4
Princeton	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	77	75	72	69	65	65	69	73	73	76	80	78	81	78	79	73	71	69	59	68	58	55	56	62	70	67	61	56	64	63	49	68.1
Russellville§§	Maximum	62	53	54	50	47	39	49	45	43	41	45	45	45	53	55	66	64	58	46	33	40	34	33	37	33	42	41	51	50	40	25	45.6
	Minimum	79	76	74	67	68	...	...	75	75	81	83	84	88	82	83	78	70	75	60	62	56	55	61	70	67	60	75	60	48	26	*43.3
	Maximum	55	48	51	45	44	33	...	...	36	45	37	41	45	53	56	55	64	62	48	32	32	34	31	32	34	35	37	46	49	50	26	
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Central Division.																																	
Anchorage	Maximum	75	77	76	75	65	65	68	71	74	79	81	85	84	79	84	78	68	72	60	62	59	57	59	62	72	68	66	54	65	62	47	69.4
	Minimum	51	44	47	40	38	34	41	38	38	38	37	40	41	46	56	57	60	59	54	35	38	32	29	39	40	33	34	35	49	47	19	41.4
Bardstown	Maximum	74	78	75	78	67	67	69	72	74	79	82	84	85	80	84	78	72	75	72	63	58	58	55	62	71	71	62	60	72	62	56	70.7
	Minimum	53	47	52	42	41	34	46	41	38	36	38	43	45	49	55	56	60	61	50	29	40	34	32	37	38	38	42	51	49	43	22	43.8
Bowling Green	Maximum	83	81	79	78	72	71	75	79	80	84	87	86	86	81	84	78	72	79	67	65	59	59	59	64	74	74	64	61	76	68	47	73.5
	Minimum	55	50	54	46	39	36	45	43	41	40	39	44	45	49	51	58	62	60	49	33	41	34	32	37	38	38	42	51	44	43	27	44.1
Eubank	Maximum	74	73	76	74	74	64	68	71	71	75	81	81	83	79	81	81	81	81	74	69	59	60	58	58	57	69	70	67	62	74	68	69.9
	Minimum	48	44	44	38	41	38	44	42	35	34	37	39	44	45	49	55	60	63	49	39	31	32	31	37	30	35	47	46	41	43	29	41.8
Frankfort	Maximum	...	...	73	73	70	63	66	70	70	74	77	81	82	79	80	79	80	77	72	55	57	55	52	60	68	63	65	64	66	64	47	*68.3
	Minimum	...	...	54	44	43	37	46	40	36	36	39	41	45	48	58	57	66	63	50	33	42	38	34	41	39	37	46	52	51	45	28	*44.4
Franklin	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Glasgow	Maximum	80	80	78	72	72	69	73	77	78	82	85	84	85	83	82	78	72	76	67	65	62	60	57	63	72	75	64	60	76	65	51	72.4
	Minimum	52	49	50	45	44	37	46	45	41	42	40	50	50	55	57	64	64	64	49	31	34	34	29	38	36	40	42	53	44	44	29	45.1
Greensburg	Maximum	75	75	74	72	66	66	69	72	74	77	80	84	84	79	82	76	71	74	60	61	49	28	29	...	...	...	...	...	...	...	...	70.5
	Minimum	47	46	47	40	40	35	42	40	35	34	37	42	44	46	54	60	61	49	28	29	...	...	...	...	...	...	...	...	...	...	...	*42.9
Irvington	Maximum	73	75	72	71	64	63	64	70	72	76	79	81	81	79	81	77	74	74	68	60	55	54	57	66	69	62	56	66	63	46	68.1	
	Minimum	56	51	53	45	42	38	47	43	41	42	43	47	47	53	55	62	62	62	49	34	39	34	32	40	37	36	42	50	49	43	26	45.8
Junction City	Maximum	85	75	75	72	67	65	69	72	73	78	81	86	83	80	80	82	82	72	69	64	62	65	50	59	70	76	68	67	75	65	55	71.5
	Minimum	46	44	47	46	37	35	33	37	34	31	35	39	43	47	45	48	60	62	48	27	31	32	28	35	43	34	42	46	44	39	28	40.1
Leitchfield	Maximum	75	74	71	70	64	65	68	71	74	76	79	82	83	78	81	76	71	74	60	64	57	54	56	60	68	70	61	56	68	66	47	68.2
	Minimum	55	50	54	45	43	38	48	43	39	40	40	42	45	51	53	60	62	59	47	32	42	34	33	38	39	39	46	51	51	40	25	44.6
Lexington	Maximum	77	71	71	70	59	60	64	67	68	73	80	81	81	76	78	77	80	67	57	57	55	58	49	56	66	59	64	58	66	61	43	65.6
	Minimum	50	52	56	47	41	40	44	42	41	49	58	60	66	58	60	62	64	57	42	38	39	35	36	38	40	42	46	50	50	34	27	46.9
Louisville	Maximum	71	74	73	72	61	65	68	71	72	77	80	81	82	78	80	77	74	74	58	61	55	55	54	61	68	64	62	55	64	63	47	67.6
	Minimum	58	54	55	52	43	40	46	42	41	46	48	51	53	54	56	62	62	55	44	38	37	34	34	42	46	47	45	51	50	30	28	46.7
Do. (Cherokee Park)	Maximum	74	70	70	68	70	62	66	68	71	78	82	79	82	84	83	74	73	73	73	58	57	62	59	48	35	38	32	22	43	42	30	42	51	49	40	26	*45.8
	Minimum	56	51	54	48	...	...	...	...	...	...	...	...	...	...	...	58	57	62	59	48	35	38	32	22	43	42	39	42	51	49	40	26	*45.8
St. John	Maximum	76	77	78	78	64	65	65	72	77	79	82	82	84	81	82	76	76	75	60	63	55	55	62	62	70	72	64	61	67	67	49	70.2
	Minimum	44	42	43	42	40	35	37	39	40	40	39	41	43	46	49	52	59	61	58	43	29	33	30	35	39	38	39	41	34	42	41	40.9
Scott	Maximum	69	75	75	65	60	62	61	67	67	73	78	83	83	77	75	79	81	71	64	65	56	53	53	53	69	65	67	63	67	63	41	66.9
	Minimum	52	45	50	46	34	31	37	38	38	37	40	43	50	47	53	59	63	60	48	32	38	32	32	40	42	43	41	48	48	41	22	42.9
Shelbyville	Maximum	72	76	74	74	63	63	67	70	71	77	81	84	84	80	82	79	72	72	70	62	60	63	57	61	67	69	66	63	68	67	47	68.7
	Minimum	52	47	51	43	38	34	42	38	37	36	42	46	47	51	57	58	74	71	60	57	55	52	61	69	66	63	58	67	62	47	47	67.9
Taylorsville	Maximum	72	78	73	73	66	57	66	70	70	74	78	80	82	78	80	78	73	74	64	62	50	28	40	55	32	42	34	52	41	51	45	41	24	41.3
	Minimum	59	55	49	40	39	30	44	34	36	31	34	37	40	44	54	54	64	62	50	28	40	35	32	42	34	32	41	45	44	41	24	41.3
Williamstown	Maximum	69	72	72	70	59	62	64	64	69	73	78	82	82	79	78	79	81	75	66	58	55	54	51	56	66	63	67	60	61	61	49	67.0
	Minimum	50	46	48	43	35	33	33	36	37	39	47	49	52	55	53	57	52	47	47	...	...	...	...	...	...	...	...	...	...	...	...	*45.2
Eastern Division.																																	
Ages	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Ashland	Maximum	70	70	80	75	73	61	66	68	69	73	80	85	87	83	80	81	83	79	64	61	59	57	59	60	65	64	66	65	65	69	45	69.7
	Minimum	52	46	50	47	40	35	43	37	35	37	41	43	45	49	57	59	60	59	46	38	40	34	38	40	34	36	38	50	51	45	35	43.7
Beattyville	Maximum	75	75	78	73	70	67	70	74	74	77	85	87	89	84	86	81	80	85	67	64	66	61	54	56	70	73	73	65	75	70	49	72.5
	Minimum	47	47	46	45	40	34	41	37	35	33	38	38	44	49	50	50	58	60	45	27	43	27	32	39	46	38	37	39	43	41	27	40.5
Berea	Maximum	68	70	74	72	62	64	66	70	71	75	80	82	84	79	81	80	81	73	68	58	60	55	47	55	66	67	69	62	68	68	48	68.4
	Minimum	48	45	50	47	40	35	45	41	34	34	40	46	52	56	57	58	64	63	48	31	33	31	27	37	40	28	42	48	41	44	29	43.3
Farmers	Maximum	72	75	77	74	68	65	69	71	74	76	81	87	84	80	82	81	85	75	65	61	65	58	49	51	63	65	71	64	68	68	48	70.1
	Minimum	44	41	46	37	34	38	37	31	27	27	31	34	38	40	53	48	56	57	48	35	29	30	23	35	30	30	29	34	46	46	43	29	37.9
Jackson	Maximum	71	72	74	70	65	63	75	69	70	72	77	82	84	79	80	80	82	75	65	61	65	58	49	51	61	65	71	64	68	68	48	*70.0
	Minimum	47	48	50	47	40	35	41	41	36	34	40	40	45	46	50	50	49	52	50	30	32	33	28	32	30	36	37	43	...	...	...	*40.8
Maysville	Maximum	68	71	76	73	63	63	62	66	70	75	79	83	84	81	78	79	84	69	63	61	61	55	51	50	66	65	70	58	63	64	48	67.8
	Minimum	53	49	53	46	39	35	41	37	38	40	41	43	47	49	57	56	61	59	48	31	39	37	31	40	43	50	52	45	50	52	45	44.3
Middlesboro	Maximum	77	75	75	73	71	70	66	73	74	75	79	83	83	80	80	84	84	75	64	59	48	35	27	43	27	32	38	35	37	45	34	60.4
	Minimum	49	48	45	46	42	44	39	45	37	32	34	35	41	42	42	45	64	59	48	35	27	27	23	27	32	38	36	37	41	40	24	47.3
Mount Sterling	Maximum	70	72	76	74	61	61	65	67	68	73	79	83	81	79	81	78	81	70	65	59	55	51	52	56	61	70	61	59	66	60	47	67.6
	Minimum	58	52	50	48	39	35	36	37	33	38	38	51	52	54	57	62	66	60	49	31	34	33	29	40	38	39	43	42	46	48	42	48.4
Richmond	Maximum	73	80	79	73	72	70	74	75	76	78	84	87	85	80	83	85	85	76	68	61	49	35	40	34	31	38	39	44	44	50	50	41	29	45.9
	Minimum	50	48	54	49	41	37	47	42	40	41	45	48	52	58	58	64	65	61	49	35	40	34	28	39	46	46	49	46	50	52	45	48.0
Sargent	Maximum	76	73	75	75	69	66	70	72	78	76	82	85	85	81	82	79	81	78	71	62	61	62	57	49	37	31	32	28	32	27	33	25	39	40	44	31	40.3
	Minimum	47	47	47	46	48	36	39	43	37	34	35	37	43	45	46	46	59	55	49	37	31	32	28	32	27	33	25	39	40	40	40	35	41.6
Williamsburg	Maximum	75	74	76	73	69	66	72	72	75	83	83	80	82	80	80	82	83	69	62	63	58	51	50	53	66	72	74	74	77	76	51	71.4
	Minimum	49	49	46	47	43	34	41	46	39	36	42	44	45	46	47	47	56	59	50	33	31	35	29	34	30	33	37	40	40	47	35	41.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*, †, ‡, etc. indicate respectively 1, 2, 3 etc., days missing from record

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., NOVEMBER, 1923. No. 11

GENERAL SUMMARY.

Persistent cool weather during the first decade, with several hard freezes, delayed the growth of wheat, rye and grasses; but the warmer weather that predominated after the 10th favored the continuation of slow growth and caused the germination of considerable wheat that was sown late in the preceding month. In the central and eastern counties soil moisture was generally deficient until late in the month. Most wheat, therefore, remained small, and the later sowings made little growth after coming up. Rye for pasture grew more slowly and furnished less forage than desirable. As pastures had practically dried up during the previous month and rye pasture was insufficient, generous feeding of all stock became necessary early in the month. It was only in some western counties, where good rains occurred in October, that pastures improved to any considerable extent. The prevailing dry weather was especially favorable for the care and feeding of stock outdoors.

Rain occurred generally during the first week, but it was not sufficient in the central and eastern districts to revive wells and springs. Stock water was not fully replenished until the rains during the last decade, which filled the small streams. Corn gathering, which proceeded rapidly with little interference from rain, had been completed on many farms by the end of the month. The crop was cribbed in much drier condition than usual. Tobacco could be handled on only a few days. In general the weather was too dry and the showers of too short duration to supply the necessary humidity for softening the leaf. In the extreme southwest cotton picking was nearly completed. Roads continued in good condition throughout the month. The favorable weather also permitted excellent progress with road construction and repair.

TEMPERATURE.

The average temperature for the month, 42 stations reporting, was 46.4°, which is 0.3° above normal. Temperatures ranging from 18° to 28° were registered generally over the State in the periods, 1st, 9-10th, and 27-28th; while temperatures of freezing or lower occurred on several other dates in the central and eastern counties. Moderately high maxima, from the 11th to 25th, ranging from 60° to 70° on several days, caused relatively warm weather which was favorable for slow growth of winter grains. Extremes for the State were 75° at Beaver Dam and Bowling Green on the 11th, and 16° at Farmers on the 1st.

PRECIPITATION.

The average precipitation for the State, based on reports from 56 stations, was 3.65 inches, which is 0.30 inch above normal. Moderate to heavy rains occurred generally over the State in the periods, 3d-7th, 22-23d, 26th, 29-30th. Fair and decidedly favorable weather for outdoor work prevailed from the 8th to 21st, broken only by light local showers in the period, 15-17th. Snow flurries were reported from a few northern stations on the 8th. The distribution of precipitation over the State was fairly regular, but it decreased at a moderate rate from the west toward the east. In the western counties amounts ranged generally between 4.0 and 6.0 inches, and in the central and eastern districts between 2.5 and 3.5 inches. For the State amounts varied between 1.92 inches at Scott and 5.88 inches at Earlington.

MISCELLANEOUS.

The rains of the 6th in the upper Ohio basin caused a slight rise in that stream, but stages declined to low levels that seriously impeded navigation during the next two weeks. Rains in the last week caused slight run-off in the smaller streams and produced a boating stage in the Ohio.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. In inches reduced to sea level. Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Mean Velocity. Average hourly velocity.	Maximum Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.11	30.44	1	29.61	26	5576	8.0	36	sw.	29
Cincinnati ..... Ohio	30.12	30.42	1	29.65	26	7206	7.2	34	sw.	21
Evansville ..... Ind.	29.13	30.50	1	29.65	29	7804	10.8	45	sw.	29
Lexington ..... Ky.	30.12	30.50	1	29.75	26	10044	14.0	37	se.	28
Louisville ..... Ky.	30.12	30.51	1	29.71	26	7875	10.9	41	s.	30

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	80	56	59	196.1	305.6	64	14	6
Cincinnati ..... Ohio.	81	60	78	141.1	304.5	47	10	11
Evansville ..... Ind.	77	57	62	168.7	303.2	56	12	9
Lexington ..... Ky.	80	67	.....	125.1	303.7	41	9	16
Louisville ..... Ky.	75	56	60	160.1	305.7	53	11	10

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with .01 in. or more rain.
1889	43.1	−3.0	85	10	6.04	+2.69	.
1895	48.6	+2.5	81	19	4.87	+1.52	.
1891	43.5	−2.6	75	10	6.04	+2.69	.
1892	42.8	−3.3	78	9	3.85	+0.50	.
1893	44.3	−1.8	79	− 2	3.12	−0.23	.
1894	43.3	−2.8	80	8	1.32	−2.03	4
1895	45.8	−0.3	85	16	1.29	−2.04	4
1896	49.3	+3.2	80	11	5.64	+2.30	8
1897	47.8	+1.7	78	12	1.69	−1.31	10
1898	43.2	−2.9	80	10	2.79	−0.56	8
1899	49.8	+3.7	79	20	2.12	−1.23	8
1900	47.0	+0.9	83	15	2.78	−0.57	8
1901	41.8	−4.3	82	11	1.57	−1.83	4
1902	53.4	+7.3	90	20	1.42	+1.07	11
1903	42.5	−3.6	84	5	3.01	−0.34	8
1904	44.7	−1.4	79	14	0.39	−2.46	3
1905	46.4	+0.3	79	14	3.55	+0.72	8
1906	46.1	0.0	93	11	5.42	+2.67	7
1907	44.2	−1.9	75	15	3.19	+0.14	7
1908	48.6	+2.5	80	8	2.61	−0.74	8
1909	51.7	+5.6	86	19	2.29	−1.06	6
1910	41.4	−5.0	78	11	2.01	−1.31	6
1911	41.6	−4.8	85	9	4.51	+1.16	8
1912	45.2	−0.9	82	10	1.22	−2.13	4
1913	50.5	+4.4	84	8	3.25	−0.10	9
1914	46.9	+0.8	85	5	1.23	−2.12	5
1915	49.8	+3.7	85	16	4.80	+1.45	9
1916	47.8	+1.7	85	8	1.52	−1.83	4
1917	44.3	−1.8	78	11	1.23	−2.12	5
1918	46.1	0.0	77	19	1.90	−1.45	6
1919	47.4	+1.3	78	16	7.31	+3.96	9
1920	44.7	−1.4	78	10	2.21	−1.14	8
1921	49.8	+3.6	79	20	7.96	+4.61	12
1922	48.3	+2.2	87	19	1.93	−1.42	6
1923	46.4	+0.3	75	16	3.65	+0.30	9

Climatological Data for November, 1923.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days.					Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	19	47.6	+ 0.7	75	11	21	17	43	4.10	+0.92	1.00	0	9	14	4	12	e.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	41	48.2	+ 0.9	72	11	26	28	31	4.66	+0.59	1.70	0	7	14	2	14	se.	E. W. Horr.
Calhoun	McLean	437	19	48.4	+ 0.2	72	11	25	9	40	4.39	+0.84	1.08	0	7	11	11	8	nw.	W. A. Taylor.
Earlington	Hopkins	420	32	47.6	− 0.3	72	11	24	17	36	5.88	+2.14	2.00	0	7	17	3	10	n.	Brack Southworth
Greenville	Muhlenburg	519	6	[a]48.2	.....	73[a]	11	21[a]	9	40[a]	5.32	.....	1.15	0	8	17[a]	5[a]	4[a]	s.	C. R. Lovell.
Henderson	Henderson	327	14	.....	.....	.....	.....	.....	.....	.....	5.58	+1.71	2.65	0	9	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	26	47.8	− 0.5	73	11	24	17	41	4.47	+0.92	1.26	0	7	14	3	13	sw.	W. E. Graves
Marion	Crittenden	571	24	[a]48.8	+ 0.5	74	12	25	28	33	5.01	+1.29	1.69	0	.....	13	7	10	nw.	B. C. Paris.
Mayfield	Graves	364	11	[a]48.8	− 0.2	74[a]	11	25	1	35	.....	.....	.....	0	.....	17	7	6	sw.	N. E. Donthit.
Owensboro	Daviess	479	26	46.8	− 0.7	69	11	25	9	34	4.88	+1.43	1.50	0	8	16	2	12	s.	Henry S. Berry
Padcah (Lone Oak)	McCracken	516	5	49.6	.....	74	11	26	28	39	5.40	.....	1.65	0	7	15	8	7	nw.	J. W. Lilley
Paducah	McCracken	341	34	.....	.....	.....	.....	.....	.....	.....	4.72	+0.92	1.54	0	9	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	12	47.7	+ 1.0	72	11	24	9	39	4.94	+0.82	1.23	0	8	12	7	11	s.	Dr. W. L. Cash.
Russellville	Logan	590	9	46.5	− 1.3	71	11	23	1	39	3.03	−0.59	1.00	0	9	14	4	12	s.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	22	[a]44.6	− 0.3	72[a]	11	18[a]	9	43[a]	3.34	+0.39	0.79	0	7	19	2	9	sw.	C. E. Barret.
Bardstown	Nelson	637	26	46.2	− 0.8	73	11	19	9	41	3.06	−0.32	0.87	0	9	12	4	14	sw.	Chas. M. Talbott
Bowling Green	Warren	500	32	48.2	+ 0.9	75	11	24	1	41	3.97	+0.36	0.95	0	8	16	3	11	w.	Mrs. Lillie G. Causey
Brownsville	Edmonson	410	5	.....	.....	.....	.....	.....	.....	.....	3.89	.....	1.03	0	8	.....	.....	.....	.....	Virgil M. Wheeler.
Burnside	Pulaski	773	30	.....	.....	.....	.....	.....	.....	.....	3.26	+0.05	1.02	0	11	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton (Lock No. 1)	Carroll	422	23	.....	.....	.....	.....	.....	.....	.....	3.19	+0.26	1.10	0	12	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	9	.....	.....	.....	.....	.....	.....	.....	4.51	+0.88	2.38	0	10	.....	.....	.....	.....	W. A. Cockerill
Dix Dam, Burgin	Mercer	770	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Geo. Henry Ellis.
Eubank	Pulaski	1177	28	45.1	+ 0.6	70	11	18	9	44	3.29	+0.12	1.00	0	11	8	5	17	n.	Mrs. Katie Payne
Frankfort	Franklin	560	29	46.3	− 0.1	68	21	23	17	39	2.92	−0.49	0.79	0	10	15	5	10	w.	Sidney Wood.
Franklin	Simpson	691	27	47.6	0.9	68	11†	24	1	36	.....	.....	.....	0	.....	20	2	8	n.	Jos. H. Blewett.
Glasgow	Barren	780	1	48.0	.....	71	11	23	1	35	2.85	.....	0.86	0	8	16	2	12	w.	Dr. Fidella Edwards.
Greensburg	Green	581	30	[a]46.6	+ 1.4	72	11	19[a]	9	41[a]	3.34	+0.03	0.91	0	10	8	3	19	n.	Mrs. Bettie K. H. Alcorn
High Bridge	Jessamine	550	20	.....	.....	.....	.....	.....	.....	.....	2.76	−0.41	0.73	0	11	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	25	47.2	+ 0.5	69	11	26	9	32	3.90	+0.69	1.01	0	9	13	5	12	sw.	W. J. Piggott.
Junction City	Boyle	985	29	45.2	+ 1.3	70	12†	17	9†	44	4.03	+0.79	1.15	0	11	9	13	8	sw.	William E. Grubbs.
Leitchfield	Grayson	635	27	46.7	+ 0.4	71	11	22	9	39	3.75	−0.18	0.99	0	8	12	7	11	ne.	John E. Stone.
Lexington	Fayette	989	35	44.8	+ 0.1	66	21	28	28	29	2.71	−0.77	0.74	0	13	11	3	16	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	50	46.8	+ 0.1	68	11	29	28	30	3.02	−1.16	1.23	0	10	11	8	11	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	13	46.5	− 0.1	68	11†	24	9	36	3.53	+0.27	.....	0	10	15	4	11	s.	Wm. I. Hunt.
Pilcher (Dam 43)	Meade	363	9	.....	.....	.....	.....	.....	.....	.....	3.90	.....	1.28	0	9	.....	.....	.....	.....	W. D. Farnsley.
St. John	Hardin	777	26	45.8	+ 0.4	73	11	20	9	39	3.28	−0.20	0.68	0	9	20	2	8	.....	Sisters of Loretto
Scott*	Kenton	825	32	44.4	0.0	69	21	20	10	42	1.92	−0.88	0.77	T.	9	9	9	12	w.	Harry M. Robinson.
Shelbyville	Shelby	489	20	44.6	− 0.2	68	11†	19	1	43	3.06	−0.35	1.32	0	10	14	2	14	s.	E. B. Wilson.
Taylorsville	Spencer	943	19	[a]44.1	− 1.0	65	21	24†	28	32†	3.73	+0.40	0.84	0	11	12	5	13	s.	Mrs. W. T. Miller.
Williamstown	Grant	553	5	.....	.....	.....	.....	.....	.....	.....	3.06	+0.33	0.90	T.	13	10	7	13	n.w.	Mrs. E. S. Hunnlong
Woodbury	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.26	.....	1.07	0	12	.....	.....	.....	.....	J. C. Stinson
Eastern Division.																				
Ages	Harlan	1265	1	.....	.....	.....	.....	.....	.....	.....	3.39	.....	0.98	0	12	13	0	17	ne.	W. B. Shaw.
Ashland	Boyd	534	4	45.1	.....	70	21	24	1	38	4.56	+1.62	1.16	0	10	7	8	15	e.	Mrs. Sabine E. Hall
Beattyville	Lee	1070	18	45.6	− 1.7	69	11	20	9	39	2.96	−0.14	0.76	0	13	11	6	13	ne.	Frank Montgomery.
Berea	Madison	684	5	.....	.....	.....	.....	.....	.....	.....	3.04	.....	0.77	0	10	.....	.....	.....	.....	P. H. Kehoe.
Cynthiana	Harrison	690	34	.....	.....	.....	.....	.....	.....	.....	2.82	−0.35	0.85	0	12	12	1	17	s.	J. V. Oldham.
Falmouth	Pendleton	668	13	[a]43.8	− 1.0	68	21	16	1	45	2.77	−0.06	0.72	0	9	13	3	14	w.	Mrs. Edna Tinsley.
Farmers	Rowan	776	9	[a]46.2	.....	70[a]	21	23[a]	10	43[a]	3.26	+0.58	1.17	0	10	14	3	13	sw.	Dr. Dan. Fortune.
Jackson	Breathitt	584	16	.....	.....	.....	.....	.....	.....	.....	2.60	−0.28	0.85	0	6	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	524	25	45.2	+ 0.6	68	11	26	1†	38	3.21	+0.37	0.96	0	8	14	2	14	w.	Harry M. Robinson.
Maysville	Mason	1128	25	44.2	− 1.6	66	11	17	1	41	4.06	+0.55	1.14	0	10	17	8	5	.....	R. H. Perkins
Middlesboro	Bell	930	33	44.1	+ 0.4	68	21	21	9	35	3.67	+0.43	0.84	0	10	13	1	16	nw.	W. R. McKee.
Mount Sterling	Montgomery	540	3	.....	.....	.....	.....	.....	.....	.....	3.23	.....	0.91	0	8	.....	.....	.....	.....	M. W. Kinner.
Oliver	Greenup	443	1	.....	.....	.....	.....	.....	.....	.....	2.86	.....	1.05	0	7	.....	.....	.....	.....	Andrew M. Stanforth.
Owenton	Campbell	634	17	.....	.....	.....	.....	.....	.....	.....	2.60	−0.07	0.44	0	12	15	2	13	.....	Robert Reynes.
Pikeville	Pike	926	28	47.3	+ 0.5	69	11†	25	9	34	4.05	+1.18	1.15	0	8	15	3	13	.....	J. W. Crooke.
Richmond	Madison	1295	0	45.5	.....	69	14	21	10	43	2.14	.....	0.39	0	9	17	3	10	se.	A. K. Williams.
Sergent	Letcher	525	6	.....	.....	.....	.....	.....	.....	.....	3.08	.....	0.94	0	9	.....	.....	.....	.....	Samuel Johnson.
Vanceburg	Lewis	939	25	45.4	− 1.7	72	11	19	17	45	3.16	+0.28	1.01	0	7	20	7	3	.....	Lawrence R. Uhl.
Williamsburg	Whitley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes		.....	.....	46.4	.....	75	11	16	1	45	3.65	.....	2.65	0	9	14	5	11	s.	.....

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, *, †, °, appearing in the table indicate number of days missing; for example, b represents two days, etc.
[a] Also on other dates. ++ Received too late to be included in means and summaries
T Precipitation is less than 0.01 inch rain or melted snow
* Postoffice address, Covington, Ky

Daily Precipitation for November, 1923

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	...	
Western Division																																
Beaver Dam			.80	.85	.10	.10										.10						.15				.20			1.10	.15		3.15
Blandville	M		1.70	T		.23										.02					.03	.65	T		1.10						4.66
Calhoun	G		1.08	.80	T.	.35									T.		T.					.10	.45			.15			1.65			4.58
Earlington	G		2.00	.86	T	.20									T.	T.	T.					.41	.29	T		.52			1.10	T		5.58
Greenville	G		1.00	1.10	.01	.16																.72	.36			.59			1.15			5.13
Henderson	O		.10	2.65	.05	.10									1.02		.01						.20						1.00	.35		5.58
Hopkinsville	C		.94	.76	T.	.03																.61	.11			.56			1.20	T		4.17
Marion	O		1.69	.60		.21									T.							.33	.30			.66			1.22			4.61
Mayfield	M		2.00	T		.40																				.35	1.00		1.50			
Owensboro	O		1.50	.91	T.	.25										.06	T.					.10	.28			.28			1.50			4.88
Paducah (Lone Oak)	O		1.65	.40		.40																.40	.35			.90			1.30			5.10
Paducah	O		.21	1.54		.19	.08								T.							.10	.78			.81		.17				4.72
Pancoelan	G		1.05	.60	.01	.63				T					T.	T					T.	.60	.32		T	.50			1			5.64
Russellville	G			1.00	.02	.01	.01										.01						.51			.61			.20	.18		3.02
Central Division																																
Auciusauge	O		.23	.79	T.	.33									T.	T.						.29	.42			.56			.72			3.54
Bardstown	S		.20	.56	.01	.15										.09						.08	.37			.87			.50			3.06
Bowling Green	G		.30	.95		.07	.10																.62			.78	T		.85	.50		3.97
Brownsville	G			1.03		.14										.18						.17	.52			.82			.62	.41		3.89
Burnside	C			1.02	.15	.14	.03									.06							.42	.20		.20	.12		.72	.20		3.26
Carrollton (Lock No. 1)	O			1.10	.13	.02	.09									.19	.05					.03	.52	T.		.58	.03		.07	.58		3.19
Cloverport	O		.02	2.38		.01	.02								T.	.02	T.					T.	.72	.01		.45			.38	.50		4.51
Dix Dam	K															.08						.01	.43	T		.66	T.		.52	.65		
Eubank	C			1.00	.05	.10	.25									.10						.15	.40			.31	.10		.23	.60		3.29
Frankfort	K			.79	.03	.05	.10									T.	T.					.07	.59	.02		.63	T.		.04	.60		3.22
Franklin	G																															
Glasgow	G			.36	.40	.03	.12									.03							.43			.86			.02			2.85
Greensburg	C		T.	.30	.56		.16	.01								.12	T.					.02	.52			.91			.75	.09		3.11
High Bridge	K			.73	.05	.05	.13									.02	.02						.43			.46	.06		.15	.52		2.76
Irvington	O		.71	1.01	.03	.10									.02	T.	T.					.14	.62			.52			.75			3.90
Junction City	K		.35		.82	.30	.01									.02	.11				.01	.50				1.15			.72	.03		4.03
Leitchfield	G		.71	.73		.18									.05							.15	.02			.62			.90			3.75
Lexington ***	K		.56	.13	.01	.14	T.			T.					.05	.02	.01				.07	.23	.12		.02	.61			.71			2.71
Louisville***	O		1.05	.22	.07	.10									T.	.01					.01	.53	.02			.36			.65	T		3.02
Do. (Cherokee Park)	O		*	1.32	.14	.12	T.								T.		.02					.05	.65			.45			.73	.05		3.53
Pitcher Dam 43	O			1.28	.15	.12	.15									T.						.10	.75			.45	T.		.22	.18		3.20
St. John	S		.45	.65	.17	.06				T.					.01							T	.50			.68			.50	.26		3.28
Scott	L		.07	.77	.02	.03		T							.04	.06					F		.55						.35	.03		1.92
Shelbyville	S		.21	.55	.04	.13										.02	.03		.05			.10	.61						1.32			3.06
Taylorsville	S		.43	.68	.02	.27									.01		.09					.08	.59			.84			.69	.03		3.73
Williamstown	L		.11	.90	.01	.10	.01	T							T.	.06	.10					.01	.55	.01		.61	T.		.45	.14		3.06
Woodbury	G		.08	1.07	.05	.19	.01									.12						.41	.50	.03		.77	T.		.56	.17		4.26
Eastern Division																																
Agos	K																															
Ashland	O			.98	.41	.03	.90									.07	.09					.04	.42	.02		.65	.15		.20			3.39
Beattyville	K			1.16	.53	T.	.56									.26	.14					T.	.51	.30			.22		.06	.82		4.56
Boyce	K		.20	.76	.01	.31	.04				.05				T.	.02	.01					T.	.50	.01		.28			.62	.15		2.96
Cynthiana	L			.70	.12	.06	.09									.04						.06	.62			.53	.05		.77			3.04
Falmouth	L			.85	.03	.07	.06				T.					.05	.01					.43	.20			.60	.03		.02	.47		2.82
Farmers	L			.72	.18		.50									T.						.23	.39	.05		.15			.10	.45		2.77
Jackson	K			1.17	.11		.31	.20								.07	.02						.60	.08						.25			3.26
Louisa	B			.85	.43	.26																		.50			.27		T	.38			2.69
Maysville	O			.96	.10	T.	.22									T.	T.					.28	.60	T.		.50	.25		T	.30		3.21
Middlesboro	K		.07	1.14	.20	.16										.03							.72	.22		.44			.31	.67		4.06
Mount Sterling	L		.35	.80	.03	.21									T.	.02						.15	.44			.51			.84	.22		3.67
Oliver	O			.91	.31		.72															.15	.64			.20	.20			.16		3.28
Oneonta	O			1.00	.12	.14										.06						T.	T.	T.	T.	1.05	.07			.42		2.86
Pikeville	B			.38	.18	.08	.44									.06	.18	.12					.34	.18			.06		.22	.36		2.60
Richmond	K		.05	1.12	.04	.27									T.	.21						T.	.63			.58			1.15			4.05
Sargent	K		.01		.35	.39	.34										.15						.29	.20		.10			.31	T		2.14
Vanceburg	O			.94	.05	.45		.03								T.	T.						.62	.03		.41	.13			.42		3.08
Williamsburg	C			1.01	.77	.01	.03										T.						.30			T			.70	.34		3.16

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

, Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight.

Daily Temperatures for November, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.																																	
Beaver Dam	Maximum	55	56	57	55	53	49	60	55	55	69	75	67	68	70	65	55	52	67	60	70	72	66	53	57	69	62	48	50	55	55	...	60.3
	Minimum	21	36	46	49	44	42	34	25	21	26	34	33	64	30	37	44	40	30	30	29	27	50	42	42	36	31	64	58	43	45	37	34·8
Blandville	Maximum	56	57	53	52	50	49	59	51	54	67	72	71	64	65	56	50	65	60	68	70	72	66	53	57	69	62	48	50	55	55	...	57.8
	Minimum	28	37	45	46	44	40	36	32	29	36	47	43	40	43	48	39	32	37	39	39	50	45	45	50	35	33	45	27	29	38	40	38.6
Calhoun	Maximum	54	64	58	52	52	58	57	54	53	66	72	69	64	65	65	59	50	63	66	66	68	64	56	59	67	63	48	50	55	55	...	59.1
	Minimum	26	37	46	50	44	44	36	38	25	26	47	39	32	33	47	41	31	36	36	31	47	46	40	44	34	34	45	26	27	39	41	37.7
Earlington	Maximum	53	54	55	54	51	51	56	49	54	64	72	65	64	66	64	57	49	62	59	67	69	64	56	59	67	63	48	50	55	55	...	57.6
	Minimum	24	36	46	50	44	36	36	37	24	29	48	39	34	33	47	41	31	36	36	31	53	44	45	34	34	45	26	27	39	41	...	37.5
Greenville	Maximum	53	62	61	56	55	51	58	...	21	25	45	37	...	31	...	...	27	35	31	29	51	45	45	...	30	42	24	25	37	40	...	40·8
	Minimum	22	36	44	49	42	41	34	...	22	26	45	37	...	30	...	...	27	35	31	29	51	45	45	...	30	42	24	25	37	40	...	35·6
Hopkinsville	Maximum	55	55	58	56	52	49	59	52	55	67	73	69	66	67	66	59	51	63	66	66	68	68	56	59	60	60	58	51	54	55	56	58.7
	Minimum	24	39	46	50	43	41	31	27	24	26	39	39	37	47	36	39	32	36	36	31	47	46	40	44	34	34	38	27	29	38	40	36·8
Marion	Maximum	51	58	59	52	52	50	56	57	52	67	73	74	69	66	66	60	52	63	66	66	68	69	69	50	49	65	59	49	48	52	54	59·3
	Minimum	29	37	45	48	40	42	35	31	29	37	46	46	36	40	48	40	37	42	38	36	36	36	32	52	43	34	39	43	30	29	38	40	38·3
Mayfield	Maximum	...	...	56	60	54	48	60	54	56	69	71	69	67	65	60	58	53	65	63	66	66	66	66	66	46	58	61	62	45	58	56	57·3
	Minimum	25	35	46	46	45	42	35	29	27	34	45	40	37	42	38	41	32	38	36	36	36	36	32	52	43	34	39	43	30	29	38	40	36·4
Owensboro	Maximum	54	63	65	55	51	46	54	48	52	64	69	63	64	64	66	65	57	52	56	63	66	71	67	54	50	59	60	58	51	54	55	60·5
	Minimum	28	39	46	49	43	40	34	27	26	30	43	40	25	26	40	37	33	34	37	33	49	44	34	34	38	43	50	48	34	51	55	36·8
Paducah (Lone Oak)	Maximum	54	59	58	55	52	51	61	57	60	69	74	73	68	70	65	59	52	66	65	73	70	64	53	58	65	63	53	53	56	63	50	38·7
	Minimum	27	35	47	49	45	42	36	30	28	35	47	41	39	40	50	40	34	39	35	34	58	45	47	31	37	44	28	26	37	39	...	.....
Paducah	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	58.6
Princeton	Maximum	53	60	57	54	50	48	58	55	53	67	72	67	65	66	66	57	51	64	66	68	70	67	51	60	67	59	47	47	55	54	...	60·8
	Minimum	25	31	47	50	44	42	30	27	24	28	39	39	35	35	48	38	34	32	34	31	52	46	47	31	33	45	27	27	39	40	...	36·8
Russellville§§	Maximum	52	65	53	63	51	45	57	49	54	64	71	65	64	70	65	52	50	60	64	71	67	65	51	58	67	61	45	50	55	53	...	57.8
	Minimum	23	29	44	48	45	43	34	28	24	25	36	39	34	32	38	39	32	38	33	35	48	47	32	35	42	26	26	32	41	...	...	35·2
Central Division.																																	
Anchorage	Maximum	52	61	56	57	53	46	55	46	50	64	72	56	64	65	55	50	49	57	56	68	70	54	49	52	62	56	46	48	...	54	...	*56.0
	Minimum	19	34	34	47	43	40	34	26	18	24	40	32	27	27	39	37	27	30	30	25	42	38	27	37	20	25	37	20	25	39	...	*32.1
Bardstown	Maximum	53	61	61	61	57	47	55	46	53	63	73	56	64	65	58	53	50	63	63	68	65	61	51	52	62	57	44	48	56	49	...	57·0
	Minimum	21	35	40	51	45	44	35	34	19	25	46	32	29	28	41	42	31	32	31	27	52	44	42	35	31	43	22	26	34	41	...	35·3
Bowling Green	Maximum	56	65	55	63	56	49	59	51	52	66	75	66	68	68	64	57	56	64	63	69	72	69	65	53	53	65	57	46	56	56	...	59·7
	Minimum	24	37	46	50	45	43	34	28	26	25	46	39	33	34	45	42	32	32	34	31	34	46	45	36	32	45	28	27	38	41	...	36·6
Dix Dam	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Eubank	Maximum	52	61	61	[illegible]	55	46	52	48	48	62	70	62	60	63	55	50	46	61	59	66	69	63	54	48	57	55	42	49	52	47	...	55.9
	Minimum	19	26	42	46	46	40	34	35	18	21	42	34	34	34	39	39	29	28	29	22	46	49	46	37	25	41	22	27	38	40	...	34.3
Frankfort	Maximum	50	60	59	60	59	49	53	52	46	59	67	65	61	63	58	53	47	59	53	65	68	65	62	58	59	58	46	47	52	55	...	56.3
	Minimum	23	34	34	49	47	44	37	38	23	25	45	36	30	27	40	44	39	35	32	26	47	42	45	38	29	42	23	30	35	41	...	36.3
Franklin	Maximum	53	62	57	63	60	47	56	51	50	64	68	67	64	63	58	60	49	65	62	68	68	66	56	60	60	60	46	50	56	56	...	58.9
	Minimum	24	39	48	50	44	41	32	28	29	29	37	40	33	29	35	38	32	37	35	32	49	49	46	36	35	46	27	27	40	40	...	36.4
Glasgow	Maximum	54	62	55	61	56	46	57	52	52	64	71	63	64	68	59	59	51	64	64	61	67	67	59	54	52	63	57	46	47	57	...	58.4
	Minimum	23	33	39	50	45	42	34	29	24	29	40	40	36	33	46	45	31	35	34	35	49	49	46	36	35	46	27	27	40	40	...	37.6
Greensburg	Maximum	53	62	57	63	60	47	56	51	50	64	68	67	64	63	58	60	49	65	62	68	68	66	56	60	60	60	46	50	56	56	...	58.4
	Minimum	23	34	49	49	47	44	37	38	23	25	45	36	30	27	40	44	39	35	32	26	47	42	45	38	29	42	23	30	35	41	...	36.3
Irvington	Maximum	52	60	55	56	54	48	55	50	50	63	72	62	64	65	57	55	49	63	58	69	69	63	64	59	62	64	48	48	48	48	...	58.9
	Minimum	23	33	39	50	45	42	34	29	24	29	40	40	36	33	46	45	31	35	34	35	49	49	46	36	35	46	27	27	40	40	...	36.4
Junction City	Maximum	53	62	58	63	59	47	57	50	50	63	72	62	64	65	57	55	49	63	58	69	69	63	64	60	62	64	48	48	48	48	...	59.2
	Minimum	23	33	39	50	45	42	34	29	24	29	40	40	36	33	46	45	31	35	34	35	49	49	46	36	35	46	27	27	40	40	...	36.4
Leitchfield	Maximum	53	62	58	63	59	47	57	50	50	63	72	62	64	65	57	55	49	63	58	69	69	63	64	60	62	64	48	48	48	48	...	59.2
	Minimum	23	33	39	50	45	42	34	29	24	29	40	40	36	33	46	45	31	35	34	35	49	49	46	36	35	46	27	27	40	40	...	36.4
Lexington	Maximum	52	60	55	56	54	48	55	50	50	63	72	62	64	65	57	55	49	63	58	69	69	63	64	60	62	64	48	48	48	48	...	59.2
	Minimum	23	33	39	50	45	42	34	29	24	29	40	40	36	33	46	45	31	35	34	35	49	49	46	36	35	46	27	27	40	40	...	36.4
Louisville	Maximum	52	60	55	56	54	48	55	50	50	63	72	62	64	65	57	55	49	63	58	69	69	63	64	60	62	64	48	48	48	48	...	59.2
	Minimum	23	33	39	50	45	42	34	29	24	29	40	40	36	33	46	45	31	35	34	35	49	49	46	36	35	46	27	27	40	40	...	36.4
Do. (Cherokee Park)	Maximum	52	60	55	56	54	48	55	50	50	63	72	62	64	65	57	55	49	63	58	69	69	63	64	60	62	64	48	48	48	48	...	59.2
	Minimum	23	33	39	50	45	42	34	29	24	29	40	40	36	33	46	45	31	35	34	35	49	49	46	36	35	46	27	27	40	40	...	36.4
St. John	Maximum	52	59	57	57	56	54	56	47	51	63	73	56	63	64	58	60	53	63	58	69	69	63	64	60	62	64	48	48	48	48	...	59.2
	Minimum	23	33	39	50	45	42	34	29	24	29	40	40	36	33	46	45	31	35	34	35	49	49	46	36	35	46	27	27	40	40	...	36.4
Scott	Maximum	51	62	54	55	53	46	50	44	49	61	65	57	61	62	55	48	48	63	58	68	68	62	63	60	62	64	48	48	48	48	...	59.2
	Minimum	23	33	39	50	45	42	34	29	24	29	40	40	36	33	46	45	31	35	34	35	49	49	46	36	35	46	27	27	40	40	...	36.4
Shelbyville	Maximum	50	61	56	58	56	47	53	43	48	62	68	55	62	64	53	49	48	62	58	68	68	62	63	60	62	64	48	48	48	48	...	59.2
	Minimum	21	31	39	48	45	42	33	30	21	20	42	33	31	31	41	38	33	47	41	57	65	68	63	51	48	55	28	25	33	42	...	33.2
Taylorsville	Maximum	52	61	57	59	57	49	53	51	47	60	68	58	62	62	53	49	48	62	58	68	68	62	63	60	62	64	48	48	48	48	...	59.2
	Minimum	19	35	32	42	46	44	35	35	20	22	41	28	26	24	38	35	30	44	37	54	62	68	63	51	48	55	28	25	33	42	...	33.2
Williamstown	Maximum	50	59	54	54	54	45	45	45	45	58	64	60	61	60	55	52	44	57	54	62	68	62	63	60	62	64	48	48	48	48	...	59.2
	Minimum	30	35	...	...	...	...	...	...	25	30	45	30	34	33	43	40	33	35	33	30	48	38	41	34	31	37	27	24	31	38	...	33.2
Eastern Division.																																	
Ages	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Ashland	Maximum	17	59	60	54	55	55	47	48	45	60	64	64	64	60	62	57	48	46	59	48	62	50	66	53	53	53	53	49	45	51	51	51·8
	Minimum	24	36	29	45	52	35	40	25	26	37	34	34	30	26	45	41	32	32	32	32	32	32	46	45	41	32	45	31	26	31	44	35·4
Beattyville	Maximum	24	36	29	45	52	35	40	25	26	37	34	34	30	26	45	41	32	32	32	32	32	32	46	45	41	32	45	31	26	31	44	35·4
	Minimum	21	31	39	48	45	42	33	30	21	20	42	33	31	31	41	38	33	47	41	57	65	68	63	51	48	55	28	25	33	42	...	33.2
Boreh	Maximum	52	62	65	57	54	47	52	42	45	61	69	55	62	64	58	60	53	63	58	69	69	63	64	60	62	64	48	48	48	48	...	59.2
	Minimum	21	34	39	49	46	41	36	34	17	20	42	35	32	32	43	45	33	36	34	32	49	49	46	36	35	46	27	27	40	40	...	36.4
Farmers	Maximum	51	62	61	58	56	50	49	50	46	59	65	62	61	62	56	57	47	59	56	67	67	62	63	60	62	64	48	48	48	48	...	59.2
	Minimum	16	26	24	41	46	42	36	34	23	28	42	36	30	26	45	41	32	36	34	32	49	49	46	36	35	46	27	27	40	40	...	36.4
Jackson	Maximum	...	...	...	57	54	54	51	52	45	62	67	57	64	64	56	55	49	63	58	68	68	62	63	60	62	64	48	48	48	48	...	59.2
	Minimum	...	...	...	30	46	49	45	38	37	25	29	32	30	29	27	36	30	40	37	27	49	49	46	36	35	46	27	27	40	40	...	36.4
Maysville	Maximum	27	58	61	57	53	48	52	44	48	58	68	59	63	63	54	49	48	63	58	68	68	62	63	60	62	64	48	48	48	48	...	59.2
	Minimum	26	32	32	47	48	41	38	35	28	27	41	35	32	30	38	35	30	44	39	57	65	68	63	51	48	55	28	25	33	42	...	33.2
Middlesboro	Maximum	50	60	60	58	58	57	60	55	52	59	66	57	55	56	59	54	49	57	55	63	63	64	61	57	54	54	49	46	56	57	...	57.1
	Minimum	17	30	36	44	49	33	39	31	18	18	22	25	24	23	33	35	31	33	31	20	24	24	34	40	47	37	27	24	31	41	...	31·3
Mount Sterling	Maximum	48	60	61	57	54	55	53	50	46	56	62	55	59	62	55	50	48	55	50	60	58	65	69	46	42	54	46	46	52	46	...	54.9
	Maximum	24	33	36	40	41	44	34	32	21	33	39	32	33	39	32	33	27	33	34	34	34	34	26	25	30	42	34	27	31	24	25	30·4
Richmond	Maximum	56	65	60	58	56	47	51	45	49	62	69	63	63	67	57	55	45	60	58	65	67	67	67	58	59	60	58	58	54	56	60	57·9
	Minimum	27	35	41	49	47	45	36	36	25	32	45	31	34	33	44	43	37	43	37	31	34	34	34	26	25	30	42	28	28	34	26	32·1
Sergent	Maximum	55	61	62	61	62	61	54	41	48	61	67	55	62	66	59	57	53	61	58	65	67	67	67	58	59	60	58	58	54	56	60	57·9
	Minimum	23	31	31	42	41	41	37	36	25	29	43	28	30	29	27	34	34	34	34	26	25	30	42	32	28	38	28	26	27	33	44	32·3
Williamsburg	Maximum	55	63	60	61	54	50	58	50	49	65	72	57	65	67	60	55	48	65	60	68	68	70	62	52	57	63	50	50	55	57	57	58·4
	Minimum	19	29	36	46	48	43	37	30	19	20	28	30	27	24	35	37	33	25	28	26	33	32	49	39	26	44	24	25	35	42	...	32·3

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* " " etc. indicate respectively 1, 2, 3 etc. days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., DECEMBER, 1923. No. 12.

GENERAL SUMMARY.

The month was one of the warmest Decembers of record, the average temperature being exceeded only once in this month since State averages were established in 1889. Except on three or four days, daily mean temperatures were above normal, departures frequently ranging from 10° to 25°. Nights free from frost and days of spring-like warmth, occurring in periods of considerable length, favored the growth of grasses and winter grains. A few freezes near the middle of the month had a temporary checking effect, otherwise wheat, rye, and winter oats continued to grow slowly, rooted more deeply, and improved generally in condition as the month progressed. On account of the mild weather, stock fared unusually well outdoors, even obtaining some pasturage from the new growth of grass on south slopes. Muddy fields made difficult the moving of fodder and the gathering of the remnant of corn still out.

Moderate to heavy rains in the first week filled the small streams and fully replenished stock water, which had continued more or less short in the hilly districts until this time. Later in the month frequent and heavy rains, particularly in the western counties, caused floods in headwater streams and overflow of low bottoms. These freshets soon subsided: but continuous showers kept the soil saturated and caused water to remain standing on flat lands. A greater degree of plant growth would have resulted from the unseasonably high temperature, if there had been no super-saturation of the soil. The warmth and dampness were decidedly favorable for handling tobacco. Stripping proceeded rapidly, but hauling to market become difficult late in the month because of the soft condition of the dirt roads. Except on a few days, the weather was too warm for farmers to put up their meat with safety.

TEMPERATURE.

The average temperature for the month, 42 stations reporting, was 46.6°, which is 9.5° above normal, and exceeded only by the average of 50.2° in December 1889. Minimum temperatures ranging from 8° to 20° occurred at most stations on the 14th and 15th, and a few degrees below freezing in the period 16-18th; otherwise minima were remarkably high for a winter month. Maximum temperatures ranging from 50° to 70° were reported from all stations in the periods 1st-13th, 16th-23d, and 27th-31st. Extremes for the State were 75° at Jackson on the 31st and 8° at Anchorage and Junction City on the 14th.

PRECIPITATION.

The average precipitation for the State, as determined from the reports of 59 stations, was 6.60 inches, which is 2.66 inches above normal; and, except in 1902 and 1915, greater than has occurred in any other December of record. Precipitation was moderate to heavy in the periods, 4-6th, 9-13th, 19-24th, and 30th-31st. Except for the first two days and from the 16th to 18th, rain in appreciable amounts was reported from some part of the State on every day. The areal distribution was quite irregular for a winter month. Precipitation was heaviest in a broad belt extending from the southwestern counties to the lower Big Sandy, in which amounts ranged from 6.0 to 9.0 inches. In the vicinity of the Ohio River below Boone County, and in the south-central districts, they ranged between 4.0 and 6.0 inches. For the State, amounts varied between 4.06 inches at Pikeville and 9.73 inches at Junction City. Snowfall ranged from 0.5 inch at some of the western stations to 6.0 inches in the southern counties.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Ave. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.09	30.72	14	29.59	27	7236	9.7	34	NW.	13
Cincinnati ..... Ohio	30.07	30.74	14	29.41	5	5785	7.8	31	SW.	28
Evansville ..... Ind.	30.10	30.75	14	29.55	27	8506	11.4	38	W.	21
Lexington ..... Ky.	30.10	30.75	14	29.55	27	11678	15.7	46	NW.	25
Louisville ..... Ky.	30.09	30.78	14	29.52	27	9091	11.2	44	S.	13

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with. 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	84	69	72	130.8	299.1	44	16	13
Cincinnati ..... Ohio.	86	72	82	106.1	294.4	36	8	17
Evansville ..... Ind.	82	71	75	112.2	296.3	38	8	15
Lexington ..... Ky.	88	81	.....	82.2	296.3	28	5	19
Louisville ..... Ky.	80	68	71	93.0	296.3	31	4	16

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. of days with .01 or more rain.
1889	50.2	+13.0	76	13	1.57	−2.37	..
1890	37.8	+ 0.7	70	12	3.51	+0.43	..
1891	42.4	+ 5.3	70	15	4.10	+0.16	..
1892	34.6	− 2.5	74	3	4.22	+0.28	..
1893	39.0	+ 1.9	78	10	2.69	−1.25	..
1894	38.7	+ 1.6	76	−11	4.31	+0.37	10
1895	38.8	+ 1.7	77	6	4.43	+0.49	9
1896	39.6	+ 2.5	73	5	1.82	−2.12	4
1897	38.0	+ 0.9	72	3	3.75	−0.19	10
1898	34.1	− 3.0	70	−12	2.74	−1.20	8
1899	34.8	− 2.3	70	−15	4.26	+0632	10
1900	38.6	+ 1.5	70	12	2.59	−1.35	7
1901	32.3	− 4.8	72	−22	4.90	+0.96	10
1902	30.7	− 6.4	72	−3	7.36	+3.42	12
1903	30.7	− 6.4	68	0	2.88	−1.06	7
1904	36.4	0.7	72	− 2	4.30	+0.36	11
1905	37.3	+ 0.2	66	11	4.38	+0.44	8
1906	30.0	+ 1.9	76	− 9	5.64	+1.70	15
1907	38.5	+ 1.4	70	8	3.20	−0.74	11
1908	39.8	+ 2.7	74	7	2.42	−1.52	9
1909	29.9	− 7.0	70	−14	3.46	−0.48	8
1910	31.1	− 5.9	66	− 3	3.37	−0.57	8
1911	41.6	+ 4.5	74	11	6.25	+2.31	12
1912	37.2	+ 0.1	73	5	3.98	+0.04	9
1913	35.5	− 2.4	70	11	2.73	−1.21	7
1914	32.8	− 4.3	70	−16	5.22	+1.28	14
1915	37.0	− 0.1	64	− 9	7.56	+3.62	12
1916	36.5	− 1.6	74	−14	4.23	+0.29	10
1917	26.5	−10.6	52	21	2.01	−1.93	8
1918	44.8	+ 7.7	75	14	4.44	+0.50	12
1919	34.6	− 2.5	68	3	4.93	+0.99	12
1920	38.6	+ 1.5	68	4	2.89	−1.05	9
1921	41.7	+ 4.6	73	18	4.40	0.46	7
1922	42.5	+ 4.4	77	5	5.64	+1.70	12
1923	46.6	+ 9.5	75	8	6.60	+2.66	14

Climatological Data for December, 1923.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Western Division.																				
Beaver Dam	Ohio	441	19	48.2	+11.1	71	30	16	14	40	9.20	+5.45	2.00	4.0	11	10	2	19	e.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	41	47.3	+10.2	70	8	19	31	44	5.50	+1.57	1.89	0.4	14	7	5	19	se.	E. W. Horr.
Calhoun	McLean	437	19	47.3	+ 9.1	69	30	20	14	36	6.86	+2.61	1.53	0.5	14	4	10	17	nw.	W. A. Taylor.
Earlington	Hopkins	420	32	47.2	+ 9.1	69	30	17	14	39	7.92	+4.11	1.83	1.5	15	12	2	17	sw.	Brick Southworth
Greenville	Muhlenburg	519	6	[a]47.4	.....	70[a]	30	15[a]	14	37[a]	8.86	.....	2.05	3.0	11	12[a]	7[a]	11[a]	s.	C. R. Lovell.
											5.37	+0.97	1.00	.....	14	.....	.....	.....	.....	W. W. Shelby.
Henderson	Henderson	327	14	.....	.....	.....	.....	.....	.....	.....	8.64	+3.87	1.67	2.6	11	4	6	21	se.	W. E. Graves
Hopkinsville	Christian	524	26	48.0	+10.2	68	30	17	14	35	5.89	+1.67	1.14	1.0	9	7	5	19	s	B. C. Paris.
Marion	Crittenden	571	24	47.7	+10.2	69	30	19	14	31	8.75	+4.39	1.35	1.0	11	14	5	12	sw.	N. E. Douthit.
Mayfield	Graves	364	11	48.0	+ 9.5	68	9[a]	21	15	39	4.89	+1.03	1.19	0.5	14	7	5	19	nw.	Henry S. Berry
Owensboro	Daviess	479	26	46.0	+ 9.4	69	9[a]	21	14[b]	38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
											6.65	.....	1.60	T.	12	14	2	15	se.	J. W. Lilley
Paducah[c]	McCracken	516	5	48.7	.....	72	30	20	14	38	5.31	+1.55	1.34	T.	15	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	34	.....	.....	.....	.....	.....	.....	.....	5.98	+1.60	1.10	2.2	14	7	6	18	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	12	47.4	+ 9.7	70	30	18	14	37	4.28	+0.64	0.85	2.0	13	9	8	14	s.	E. C. Shelton.
Russellville	Logan	590	9	46.2	+ 7.5	69	30	16	14	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
											5.39	+1.41	1.18	3.0	12	10	4	17	sw.	C. E. Barret.
Anchorage	Jefferson	709	22	43.5	+ 9.9	67	30	8	14	40	6.66	+2.30	1.25	1.5	13	8	2	21	s.	Chas. M. Talbott
Bardstown	Nelson	637	26	46.6	+10.9	69	30	10	14	34	6.52	+2.20	1.15	3.0	10	10	3	18	w.	Mrs. Lillie G. Causey
Bowling Green	Warren	500	32	48.0	+10.4	71	30	17	14[b]	35	6.58	.....	1.35	3.0	12	.....	.....	.....	.....	Virgil M. Wheaton.
Brownsville	Edmonson	410	5	.....	.....	.....	.....	.....	.....	.....	8.18	+3.89	2.68	1.0	13	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	773	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charlie Oliver.
											5.75	+2.75	1.26	.....	16	.....	.....	.....	.....	W. A. Cockerill
Carrollton Lock No.1	Carroll	422	23	.....	.....	.....	.....	.....	.....	.....	5.85	+1.03	1.81	1.0	15	.....	.....	.....	.....	Geo. Henry Ellis.
Cloverport	Breckenridge	375	9	.....	.....	.....	.....	.....	.....	.....	5.84	.....	1.35	3.0	16	11	6	14	sw.	Mrs. Katie Payne.
Dix Dam, Burgin	Mercer	770	0	46.6	.....	68	9[a]	14	14	34	5.14	+1.27	1.60	2.0	9	4	5	22	s.	Sidney Wood.
Eubank	Pulaski	1177	28	45.1	+ 8.7	66	31	12	14	33	5.36	+1.77	1.13	1.0	16	11	5	15	s.	Jos.H. Blewett
Frankfort	Franklin	560	29	46.2	+ 9.0	67	30	16	14	37	4.80	+0.28	1.00	6.0	9	7	4	20	n.	.....
Franklin	Simpson	691	27	49.0	+ 8.8	70	31	14	14	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Fidella Edwards
											6.74	.....	1.35	4.0	13	9	2	20	s.	Mrs Bettie K. H. Alcorn
Glasgow	Barren	780	1	49.0	.....	69	10	12	14	32	6.60	+2.44	1.52	3.0	17	6	2	23	se.	Miss Lulu Wood
Greensburg	Green	581	30	46.8	+10.5	68	10[a]	12	14	37	7.34	+2.86	2.22	4.0	13	.....	.....	.....	.....	W. J. Piggott.
High Bridge	Jessamine	550	20	.....	.....	.....	.....	.....	.....	.....	5.93	+2.03	1.11	1.0	12	8	3	20	s.	.....
Irvington	Breckenridge	646	25	46.5	+10.5	68	30	17	14	42	9.73	+5.20	2.55	3.0	16	5	17	9	se.	William E. Grubbs.
Lancaster	Boyle	985	29	45.8	+ 9.6	67	30	8	14	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
											6.49	+1.87	1.16	3.0	11	9	5	17	w.	John F. [illegible]
Leitchfield	Grayson	635	27	46.0	+10.2	69	30	14	14	34	6.50	+3.18	1.87	2.5	16	7	4	20	sw.	U. S. Stone.
Lexington	Fayette	989	35	45.2	+ 8.8	65	30	16	15	42	5.91	+2.18	1.47	0.5	15	7	6	18	s.	U. S. Weather Bureau.
Louisville	Jefferson	525	50	46.6	+ 9.0	67	30	19	31	45	5.98	+1.53	.....	1.1	13	8	7	16	sw.	U. S. Weather Bureau.
Louisville	Do.	534	13	45.6	+ 9.4	67	30[a]	17	14	33	5.54	.....	1.22	2.0	15	.....	.....	.....	.....	Wm. I. Hunt.
Do. (Cherokee Park)	Do.	363	0	.....	.....	.....	.....	.....	.....	.....	7.45	+2.03	1.10	3.0	12	12	4[a]	15	.....	W. D. Farnsley.
Pilcher (Dam 43)	Meade	777	26	[a]45.6	+11.0	68	29[a]	9[a]	14	35[a]	7.50	+4.29	1.96	3.0	16	6	6	19	s.	Sisters of Loreto.
St. John	Hardin	900	25	43.3	+10.1	63	30	12	15	34	5.95	+2.00	1.00	4.0	14	12	3	16	s.	E. B. Wilson.
Scott[c]	Kenton	825	32	44.6	+ 9.6	68	30	11	14	41	6.12	+1.72	1.00	3.0	15	8	5	18	s.	Mrs. W. T. Miller.
Shelbyville	Shelby	489	20	45.4	+10.2	68	30	10	14	37	6.26	+2.76	0.91	1.5	16	9	7	15	w.	E. D. Bourne.
Taylorsville	Spencer	943	19	44.5	+11.0	64	30	14	14	33	6.56	.....	1.54	3.0	14	.....	.....	.....	.....	Mrs. F. S. Humlong.
Williamstown	Grant	533	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. C. Stinson.
Woodbury	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ages	Harlan	1265	1	.....	.....	.....	.....	.....	.....	.....	8.40	.....	2.80	0.2	13	10	0	21	se.	W. B. Shaw.
Ashland	Boyd	534	4	47.4	.....	74	10	19	15	39	6.21	+1.88	1.13	0.5	15	7	10	14	w.	Mrs. Sabina E. Hall.
Beattyville	Lee	650	18	47.6	+11.9	71	10	14	14[b]	42	5.53	+1.16	1.06	3.0	16	8	7	16	sw.	Frank Montgomery.
Berea	Madison	1070	18	46.8	+10.2	68	10	13	14	36	6.30	.....	1.06	2.0	16	.....	.....	.....	.....	P. H. Kehoe.
Cynthiana	Harrison	684	5	.....	.....	.....	.....	.....	.....	.....	5.75	+2.40	0.85	T.	17	11	1	19	se.	I. V. Oldham.
Falmouth	Pendleton	600	34	.....	.....	.....	.....	.....	.....	.....	7.40	+3.65	1.79	1.5	11	9	8	14	ne.	Mrs. Edna Tinsley.
Farmers	Rowan	668	13	45.0	+ 9.9	66	30	13	15	43	8.66	+5.06	1.71	2.0	15	12	4	15	sw.	Dr. Dan. Fortune.
Jackson	Breathitt	776	9	48.2	.....	75	31	12	15	40	8.00	+4.50	1.85	.....	11	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	25	43.8	+10.0	64	8[a]	18	14[a]	34	6.87	+3.11	1.66	T.	13	11	3	17	w.	Harry M. Robinson.
Maysville	Mason	524	25	46.2	+ 8.3	67	9[a]	16	15	37	6.48	+2.33	1.41	6.0	14	17	5	9	.....	B. H. Perkins.
Middlesboro	Bell	1128	25	46.2	+ 8.3	67	9[a]	12	14	36	8.98	+1.74	2.22	1.5	15	9	5	17	w.	W. T. McKee.
Mount sterling	Montgomery	930	33	45.0	+10.1	67	10	12	14	36	6.78	.....	2.00	0.2	13	.....	.....	.....	.....	M. W. Kinner.
Oliver	Greenup	540	3	.....	.....	.....	.....	.....	.....	.....	6.99	.....	1.25	.....	16	.....	.....	.....	.....	Andrew M. Stanforth.
Oneonta	Campbell	443	1	.....	.....	.....	.....	.....	.....	.....	4.06	+0.19	1.22	2.0	12	.....	.....	.....	.....	Robert Reagas.
Pikeville	Pike	634	17	.....	.....	.....	.....	.....	.....	.....	6.86	+2.91	2.13	2.0	15	11	2	18	.....	J. W. Crooke.
Richmond	Manison	926	28	47.6	+10.5	70	10	17	14	33	6.18	.....	1.30	6.4	14	15	4	12	s.	A. K. Williams.
Sedalia	Letcher	1235	0	47.8	.....	73	9	14	15	40	7.66	.....	2.02	1.2	14	.....	.....	.....	.....	Samuel Johnson.
Vanceburg	Lewis	525	6	.....	.....	.....	.....	.....	.....	.....	5.20	+1.51	1.25	4.0	10	17	9	5	.....	Lawrence R. Uhl.
Williamsburg	Whitley	939	25	47.8	+ 9.5	72	9[a]	14	15	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes				46.6	.....	75	31	8	14	45	6.60	.....	2.80	2.1	14	9	5	17	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days, etc.
T. Precipitation is less than 0.01 inch rain or melted snow.
[a] Also on other dates. [b] Received too late to be included in means and summaries.
[c] Post-office address, Covington, Ky. [d] Lone Oak.

MISCELLANEOUS.

December 30.—Lightning destroyed barns in Caldwell and Edmonson counties.

Rivers.—Moderate rises followed the rains of the 5th and 6th, and streams remained comparatively full during the month. The rains of the 23d and 24th caused further rises, the Ohio reaching flood stage at Evansville on the 30th and stages slightly below flood heights between Catlettsburg and Cincinnati. Green River was above flood stage at Woodbury on the 25th, and at Rumsey from the 27th to 29th.

Daily Precipitation for December, 1923

Stations	Day of month.																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G				.55					.80	.30			1.60							2.00	1.00	.85	.20				.65	.10		1.75		9.20
Blandville ..... M			.04	.69	.09				.58	.15		.08	1.80						.14	.36	.80	.41				T	.05			.60		4.83
Calhoun ..... G				.47	.03				.75	.06	.04	T.	1.53						.03	1.15	1.07	.85	.24	T		T	.01	.10		.60	.13	6.30
Earlington ..... G				.54	.01	.01			.93	.15	.03	.01	1.46						T.	.94	1.83	.53	.34	.01			T	.08		T	1.65		7.32
Greenville ..... G				.61	.06			.02	.02	.30	.47	T	1.25						T.	1.05	1.23	2.05					T			T	1.20		8.26
Henderson ..... O				.10	.30	.03			1.00	.21	.05		.90							.83	.75	.45	.30	.03			T	.22			.20		5.17
Hopkinsville C				.59		.02		T	.71	.45		T.	1.24						T.	.61	1.63	1.67	.30	T			.10			T	1.50		9.04
Marion ..... O				.45	T.				.85	.21		T.	1.14							.80	.61	.40		T		1.12						5.53
Mayfield ..... M				.45	.10	T			1.35	.40		T.	1.35						1.20	1.20	1.25	.45	.50		T					.50		8.75
Owensboro ..... O				.22	.10				.80	.09	T.	.03	1.19						.06	1.00	.80	.22	T.	.02			.09	.06	T	T	.22		4.89
Paducah (near) ¶ ..... O				.50	.05	.06			1.50		.05		1.60						1.10		.86	.35	.15			.10				.20		6.05
Paducah ..... O			.10	.05	.31	.10			.48	.34	T		1.31	.16						.81	.47	.50	.35				.04	.12			.14		5.04
Princeton ..... G			T.	.47	.01	.03		T	.83	.28		.01	1.10						T.	.95	.93	.43	.15			T	.10			.01	.70		5.98
Russellville ..... G				.05					.18	.13	.47		.52	.60						.11	.38	.85	.74	.12			.06	.07					4.28
Central Division.																																
Anchorage ..... O				.63	*	.04			*	.16		T.	1.18							1.08	.75	.93			T.	T	15		.18	.29		5.59
Bardstown ..... S				.72	.19	.17			.61	.10			.99							.25	1.25	.94	.14				.06			1.94	1.29		6.66
Bowling Green ..... G				.30	.40				.24	.05	.81		.60	.64						.05	.65	.72	1.15				.05			.78	.65		6.52
Brownsville ..... G					.71	.07			.16	.20	.31		.12	.62							.91	.94	1.35							.26			6.58
Burnside C				.62	.94	.65			.17	T	.60			.88					T.	.46	.11	1.15	.63			.30	.19		T	2.68		8.18
Carrollton ¶ (Lock No. 1) ..... O				T	.56	.16			.11	.50			.38	.54					.53	.50	1.26	.23	.03	.02	T.	.08	.09		.08	.68		5.75
Cloverport ..... O				.05	.60	.04			.22	.70	.67		.68	.19					.33	.38	1.81	.50	T.			.08	.09		T	11		5.85
Dix Dam ..... K	T.			.38	.28	.29	T.		.14	.05	.03	T.	.49						T.	.15	.65	1.32	.53	.01			.08	.07	T	.62	1.35		5.84
Eubank ¶ C				.10	.70				.20		.24			.58							.60	.27	.85							1.05		3.14
Frankfort ..... K				T.	.57	.33			.05	.58	.15		.22	.38						.15	.19	1.13	.58	.05	T.		.06	.32		.10	.50		5.26
Franklin ..... G				.10	.75			.10	.55				1.00							.15	.70	.75							.70			4.80
Glasgow ..... G				.80	.15				.24	.33	.10		1.60							.25	.77	1.35	.36	.05			.04				1.20		6.74
Greensburg ..... G				.73	.31	.20			.22	.05	.81		.93						.03	.15	.47	1.52	.57	.06			.04	.07		.01	.60		6.60
High Bridge ¶ ..... K				.01	.49	.40					.26	.02		.89						.03	.71	.69	1.56				.05	.01		2	22		7.84
Irvington ..... O				.50	.09	T.		T.	.75	.04		T.	.89						T.	1.11	.84	.81	.18	T.		T	.10	.09		F	.44		5.93
Junction City ..... K				.52	.40	.40		.01	.14	.40	.14		1.50							.19	.58	1.68	.98	.08		T	.11	.25		T.	2.85		9.73
Lectehfield ..... G				.65					.75	.05			1.15							.31	1.16	.60					.20	.24		.85	.53		6.49
Lexington *** ..... K				.39	.31	.01		T.	.53	.06		T.	.59						.04	.84	.92	1.59	.19		T.	.02	.29	.01		.69	.58		6.50
Louisville*** ..... O			T.	.70	.09				.80	.02		.01	.76						T.	1.09	1.36	.37	.09		T.	.08	.25		.10	.63	.16		5.91
Do (Cherokee Park) ..... O				*	.73	T.			.79	.14	T.	T.	.66						T.	*	*	2.69	.12		T.	T.	.18	.20		.15	.32		5.98
Pilcher Dam 43 ¶ ..... O				.04	.59	.24	T.		.10	.70	.10		.35	.10					T.	.62	.44	1.22	.60	T.			.10	.10	T.	T	.23		5.54
St. John ..... S					.70	.15	.05			1.00		T.	1.10						T.	.95	1.10	.60					.20	.60		.20	.80		7.45
Scott L			T	.30	.48	.48			.55	.05			.90						T.	.40	.50	1.30	.05	.01	.13		.12	.10		.17	1.10		7.50
Shelbyville ..... S				.51	.08	.21			.88	1.00			.45							.93	.34	.85	.10	.02			.13	.08		.37			5.55
Williamstown L				.45	.47	.57			.67	.05	.04		.90						T.	.99	.45	.90	.11	T.		T.	.10	.05		.17	.53		6.12
Woodbury ..... G				.04	.60	.05				.35	.36		.55	.70						.20	.70	.81	.81				.05	.10		1.54			6.86
Eastern Division.																																
Ages ..... K																																
Ashland ..... O					70	2.80	.05		T	.48	.05			.90						.05	.20	1.02					.95	.40		.25	1.25		8.40
Beattyville ¶ ..... K					.68	1.13	.08		.11	.08	.32		.03	.68						.68	.20	.66	.12				.26	.20			.88		6.21
Berea ..... K				.59	.35	.38			.11	.01	.32		1.03							.27	.32	.54	.19	.07		T.	.12	.16		.01	1.66		5.53
Cynthiana ¶ ..... K				T.	.67	1.06	.03		.04	.74	.04		T	.76						.06	.65	.68	.70	.07			.07	.07		.24	.42		6.30
Falmouth ¶ L				T.	.73	.85			.11	.66	.05		.41	.38						.20	.50	.60	.43	.05	.05		.19	.23		.18	.13		5.75
Farmers L					.69	1.79			.09	.23	.10			.58							.24	.31	1.30				T.				1.42	1.05		7.40
Jackson ¶ ..... K		.20			.31	1.18	.03		.25	.03	.27		1.02							.40		1.10	.81	.24			.30	.21			1.71		8.66
Louisa ¶ ..... B				.50	1.75	.80	.20					.24	.66								.45	1.07	.68						.40		1.85		8.10
Maysville ..... O					.75	1.66			.10	.60				.08	.70				T	.70	.70	.62	T	T.			.12	.26		.18	.40		6.87
Middlesboro C				.63	.85	.16			.05				.73	.78					.02	.13	.54	.52	.08				.36	.22			1.41		6.48
Mount Sterling L				.58	.39	1.00		T.	.32	.15			.12						T.	.11	.82	1.23	.46	.02			.25	.60		.72	2.22		8.08
Oliver ..... O					.67	2.00			.17	.40				.80						.42	.34	.71	.10				.16	.34		.24	.73		6.78
Oneonta ..... O					.75	.87			.09	.40			.21	.75						.30	.30	.70	.44	.12	.10		.23	.26		.18	1.25		6.89
Tokeville ..... B					.22	1.12			.04	.12	.18			.32							.26	.06		.24			.16	.68			1.22		4.06
Richmond ..... K				.55	.18				.10	.05	.19		.48	.17					T.	.82	.49	1.33	.05				.12	.15		.05	2.13		6.86
Sergent ..... K				.47	.70	.68			.11	.18	.39		.51	.64						.07	.08	.05	.25	T.	T.		.75	T.	T		1.89		6.18
Vancebury ¶ ..... O					.88	2.02			.09	.60	.05		.04	.42						.63	.62	.70	.10			.11	.19			1.21		7.66
Williamsburg C					.5	.65			.2		.09			.88							.32	.23	T.				.45	.20			1.25		5.20

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

¶ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

**Precipitation for 24 hours, midnight to midnight. ¶ Lone Oak.

Daily Temperatures for December, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.																																	
Beaver Dam	Maximum	57	59	58	57	52	50	60	68	65	62	53	61	60	40	40	54	60	60	57	58	59	62	60	50	52	59	65	64	66	71	67	58.5
	Minimum	31	44	43	49	37	35	32	50	54	50	37	20	39	16	28	21	51	24	37	39	39	50	36	38	31	26	46	44	26	45	34	58.0
Blandville	Maximum	58	58	53	52	40	49	63	70	66	61	48	61	60	37	40	51	56	59	57	59	62	57	55	49	50	52	67	63	59	68	63	56.2
	Minimum	37	45	41	38	31	26	35	54	58	44	38	28	29	21	21	26	31	33	50	51	52	55	41	37	36	33	49	35	34	52	19	38.4
Calhoun	Maximum	56	56	56	55	50	43	59	67	65	61	56	61	60	34	37	49	55	55	56	57	63	62	57	46	48	49	66	67	56	69	66	56.0
	Minimum	30	36	45	50	37	33	35	50	46	48	37	44	31	20	23	26	28	27	41	51	57	55	41	28	35	29	40	36	30	48	30	38.6
Earlington	Maximum	56	56	57	54	48	44	60	66	65	62	49	61	62	36	48	48	53	57	56	58	64	59	57	46	48	50	66	66	58	69	66	56.4
	Minimum	30	39	46	48	36	34	37	54	59	47	37	33	31	17	22	24	26	26	39	52	55	55	41	28	34	27	49	36	29	49	27	38.0
Greenville	Maximum	57	57	58	60	55	47	61	67	66	64	53	61	64	37	39	52	55	58	57	58	64	60	...	50	52	65	69	69	70	69	72	*58.3
	Minimum	27	37	44	49	36	33	31	51	57	48	37	32	29	15	17	22	23	24	40	50	56	54	...	36	33	25	47	35	26	49	32	*36.6
Hopkinsville	Maximum	55	59	57	56	53	48	61	65	66	64	51	63	64	38	46	54	58	63	57	58	63	57	58	63	65	60	47	51	50	66	67	58.0
	Minimum	29	38	45	49	32	34	37	50	57	47	40	37	29	17	21	27	25	29	46	50	56	56	41	38	32	28	47	36	28	47	31	38.0
Marion	Maximum	52	56	55	52	57	44	52	65	68	63	50	54	61	35	37	50	53	58	61	60	61	62	58	42	52	47	61	65	58	69	65	55.6
	Minimum	39	47	44	49	35	32	36	51	58	50	35	35	30	19	22	28	33	33	47	50	58	54	42	30	37	35	47	34	36	49	34	39.8
Mayfield	Maximum	57	58	56	55	45	48	60	65	68	64	48	62	62	36	40	53	55	61	55	55	63	60	60	51	51	51	66	67	67	67	68	57.3
	Minimum	31	34	46	44	35	31	35	36	55	47	40	39	30	22	21	26	27	32	49	47	52	55	42	37	36	32	50	50	34	50	29	38.6
Owensboro	Maximum	55	53	54	53	53	45	56	66	69	61	51	60	58	37	38	49	57	59	75	59	62	58	60	47	47	49	66	66	67	69	66	56.0
	Minimum	30	38	43	48	37	32	33	50	58	45	35	35	30	21	21	27	26	24	38	54	54	54	38	35	34	30	42	34	30	34	28	36.1
Paducah (near)	Maximum	59	58	54	55	47	50	60	70	68	65	52	62	63	41	45	55	60	64	69	60	63	63	63	58	51	52	69	69	69	72	69	58.9
	Minimum	33	43	45	45	34	31	37	55	60	47	37	37	31	20	23	25	27	30	47	52	53	55	43	39	37	31	48	56	32	48	31	38 5
Paducah	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Princeton	Maximum	56	57	55	54	46	46	60	66	66	62	49	62	62	35	41	50	55	61	57	58	63	59	58	47	50	50	65	66	67	70	66	56.4
	Minimum	30	38	46	46	26	33	35	55	59	47	38	36	30	18	21	25	26	29	46	51	57	55	43	28	32	28	49	36	29	49	29	38.3
Russellville§§	Maximum	56	58	58	52	39	46	60	68	66	65	52	62	67	35	46	53	57	66	57	59	65	60	45	46	50	54	66	69	61	69	66	55.6
	Minimum	29	31	42	47	38	35	31	36	52	57	42	35	43	16	17	20	25	26	31	51	52	58	44	28	34	27	29	37	29	31	28	36.8
Central Division.																																	
Anchorage	Maximum	56	58	54	52	51	42	56	63	64	64	50	61	60	37	38	50	54	58	54	57	61	60	54	45	47	48	62	64	57	67	63	54 9
	Minimum	27	30	39	41	39	31	27	49	57	42	29	26	26	8	11	18	21	23	31	44	46	51	38	33	30	26	38	27	24	39	23	32.1
Bardstown	Maximum	59	55	59	58	53	43	57	64	64	66	60	63	60	35	40	54	58	60	58	60	62	63	59	46	49	48	64	63	58	69	64	56.9
	Minimum	29	31	44	48	39	34	32	51	58	57	35	30	30	10	13	21	24	26	35	49	57	56	39	37	34	28	44	29	26	45	32	36.3
Bowling Green	Maximum	55	56	60	60	57	50	58	66	64	67	58	62	61	37	43	54	59	62	59	59	63	62	55	47	52	48	64	65	62	71	65	58.4
	Minimum	30	36	45	46	35	38	38	57	43	44	43	31	17	17	28	27	28	42	51	56	42	42	38	34	27	26	38	27	27	37	43	37.6
Bowling Green	Maximum	57	53	66	53	53	41	53	65	68	66	62	64	61	35	42	56	54	58	54	62	62	61	58	44	47	48	64	64	59	68	68	56.5
	Minimum	27	47	42	43	40	35	32	47	57	56	37	30	29	14	19	24	24	25	50	43	56	57	42	36	34	30	41	28	27	37	43	36.8
Dix Dam	Maximum	50	53	57	55	52	40	44	65	63	65	64	65	60	34	44	46	54	46	46	63	60	60	60	43	48	47	58	64	56	64	60	54.6
	Minimum	27	30	44	46	37	33	28	43	55	57	38	32	30	12	16	22	24	26	33	44	55	57	50	35	32	28	31	37	27	40	38	35.6
Eubank	Maximum	53	54	56	56	53	44	54	64	63	64	61	63	63	33	38	48	51	56	51	59	62	62	59	44	46	49	59	65	55	67	65	55.3
	Minimum	32	31	45	44	41	36	32	49	58	57	35	30	30	16	18	24	24	25	31	43	54	58	42	37	35	32	42	38	28	38	41	37.0
Frankfort	Maximum	56	57	59	58	54	46	60	66	67	66	62	63	65	42	48	55	59	66	61	62	66	68	61	49	50	51	67	68	68	70	68	59.6
	Minimum	33	40	43	51	35	35	33	47	57	50	41	35	30	14	17	31	26	29	44	51	56	57	41	37	28	31	47	37	28	46	38	38.5
Franklin	Maximum	55	60	62	57	52	43	56	64	65	69	62	64	62	35	46	56	57	64	58	60	62	63	66	53	55	50	63	66	58	67	65	58.4
	Minimum	33	33	46	51	37	35	34	51	59	40	36	30	32	18	27	26	32	47	52	58	58	58	41	41	39	37	38	32	48	38	39	39.6
Glasgow	Maximum	53	53	60	54	54	44	55	66	65	68	64	66	64	33	40	53	56	61	58	62	62	63	60	44	50	49	63	66	57	68	67	57.4
	Minimum	26	30	44	50	38	35	30	50	58	37	40	30	30	12	14	26	23	24	32	47	57	58	41	37	26	25	40	29	24	40	40	36.1
Greensburg	Maximum	55	55	57	54	52	43	55	64	64	64	49	60	61	33	40	50	53	59	56	58	64	61	58	47	47	47	66	66	58	68	64	55.3
	Minimum	32	39	46	50	40	34	35	50	59	48	35	33	30	17	19	27	28	30	41	42	58	58	40	37	36	30	45	33	32	44	22	37.7
Irvington	Maximum	63	60	61	53	53	42	55	66	63	62	44	62	62	35	46	56	57	64	58	60	62	63	61	48	48	43	61	65	60	67	65	56.4
	Minimum	33	33	46	50	40	34	35	50	59	48	35	33	30	17	19	27	28	30	41	42	58	58	40	37	36	30	45	33	32	44	22	37.7
Junction City	Maximum	54	53	60	54	51	42	56	64	65	69	62	64	62	35	46	56	57	64	58	60	62	63	61	48	48	43	61	65	60	67	65	56.4
	Minimum	27	27	43	44	38	34	29	52	56	51	32	30	33	8	12	22	28	29	36	40	40	48	43	41	41	39	43	40	28	42	36	35.8
Leitchfield	Maximum	56	54	56	54	51	46	54	62	63	63	52	63	61	36	41	54	56	61	58	58	62	60	55	44	48	46	63	66	58	69	66	55.8
	Minimum	28	34	44	48	36	34	31	42	57	52	37	31	29	14	18	24	26	27	37	51	53	55	38	38	32	26	45	35	26	42	32	36.2
Minnie	Maximum	52	51	55	52	46	37	51	61	61	63	48	63	62	29	39	47	50	60	56	60	61	60	54	39	43	47	63	56	53	65	61	53.1
	Minimum	38	39	45	47	38	33	32	47	56	43	33	36	22	17	16	34	24	35	47	51	56	54	37	34	33	32	34	32	42	42	19	37.4
Lexington	Maximum	54	54	54	54	45	42	56	65	64	61	51	61	61	34	38	50	55	57	56	59	62	59	55	45	46	48	65	66	55	67	64	54.6
	Minimum	35	43	44	45	38	34	36	52	58	45	34	34	26	25	22	30	32	24	41	52	57	55	39	36	37	35	44	34	26	45	19	38.5
Louisville	Maximum	53	54	54	54	53	43	55	63	64	61	53	60	62	32	36	47	51	55	54	57	61	60	58	43	46	45	60	64	58	67	67	54.6
	Minimum	30	35	42	45	40	34	33	50	59	52	33	29	29	17	18	24	25	26	39	46	55	55	41	39	38	32	41	32	29	41	30	39.6
Do (Cherokee Park)	Maximum	56	55	56	54	51	46	54	62	63	63	52	63	61	36	41	54	56	61	58	58	62	60	55	44	48	46	63	66	58	67	67	55.8
	Minimum	30	35	42	45	40	34	33	50	59	52	33	29	29	17	18	24	25	26	39	46	55	55	41	39	38	32	41	32	29	41	30	39.6
St. John	Maximum	55	56	52	54	55	47	54	63	62	64	53	63	62	36	41	54	56	61	58	58	62	60	56	44	48	46	63	66	58	67	67	55.8
	Minimum	26	34	44	46	34	32	30	48	54	54	38	36	26	9	15	22	26	34	26	46	49	47	37	35	32	24	36	28	...	36	24	*34.4
St. Louis	Maximum	56	54	54	54	53	43	55	63	64	61	53	60	62	32	36	47	51	55	54	57	61	60	56	44	48	46	63	66	58	67	67	55.8
	Minimum	30	35	42	45	40	34	33	50	59	52	33	29	29	17	18	24	25	26	39	46	55	55	41	39	38	32	41	32	29	41	30	39.6
Scott	Maximum	54	51	52	49	48	44	51	62	60	57	49	60	59	28	35	49	48	55	48	55	58	55	51	40	42	42	56	59	52	56	58	51.4
	Minimum	39	34	40	45	43	31	32	45	57	48	31	26	27	14	12	24	25	25	33	46	53	51	40	32	32	32	46	47	39	44	43	35.2
Shelbyville	Minimum	54	55	54	53	52	42	57	63	63	62	48	61	60	34	37	48	53	59	58	61	61	56	42	46	47	59	64	54	68	62	54.4
	Maximum	31	33	41	45	39	31	31	48	57	54	32	26	28	11	15	21	24	29	27	47	55	54	38	28	23	22	40	29	28	40	21	34.9
Taylorsville	Minimum	53	55	58	56	54	42	55	64	66	57	63	63	63	33	36	45	57	54	53	58	62	64	59	43	47	49	60	65	52	68	65	55.2
	Maximum	27	29	44	44	41	36	29	50	59	56	35	28	30	13	20	26	28	23	29	44	55	58	42	37	34	28	45	37	26	46	37	38.5
Winchester	Minimum	52	52	52	50	50	43	51	61	61	62	54	60	61	41	35	45	49	53	52	55	61	61	57	42	42	39	58	62	47	55	52	53.2
	Maximum	35	36	41	45	42	35	31	40	57	52	31	30	28	14	15	25	30	27	35	45	54	55	39	33	32	30	38	33	30	37	34	35.8
Eastern Division.																																	
Ages	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Ashland	Maximum	48	53	59	61	52	52	51	67	66	74	65	65	65	44	46	54	54	58	56	63	66	63	61	47	44	51	59	64	55	66	71	57.9
	Minimum	41	29	43	36	47	36	38	36	57	53	39	26	34	23	19	27	24	24	28	44	52	58	45	33	29	29	38	39	32	52	38	36.9
Beattyville	Maximum	57	57	66	62	54	46	56	69	66	71	66	68	64	46	46	56	56	64	58	65	68	65	63	61	54	47	52	68	65	69	60	59.2
	Minimum	31	30	44	43	45	33	27	37	57	55	29	28	33	14	14	27	24	22	27	39	53	53	43	32	31	26	40	42	21	40	23	33.1
Berea	Maximum	55	54	62	61	54	53	49	50	56	66	63	66	64	44	46	50	55	64	60	65	62	61	56	40	47	46	65	63	56	67	65	56.2
	Minimum	32	35	41	46	39	33	34	47	57	57	39	30	25	13	14	26	25	28	37	53	57	56	40	35	33	30	42	39	30	41	28	37.4
Burnaugh	Maximum	56	55	57	56	53	49	54	65	64	66	65	66	64	41	46	45	47	48	55	66	67	64	63	60	45	45	70	69	62	71	69	57.6
	Minimum	35	35	41	36	44	31	27	46	55	53	33	23	30	11	13	26	26	30	40	52	54	42	45	44	34	29	27	38	30	47	27	33.6
Jackson	Maximum	55	58	63	59	60	52	54	69	70	70	68	70	70	43	42	55	55	60	62	65	66	64	64	57	51	51	61	70	66	67	75	60.7
	Minimum	33	31	45	42	44	31	29	38	57	54	39	36	32	19	12	29	24	23	28	51	53	42	37	32	27	27	40	40	25	31	54	37.8
Maysville	Maximum	51	53	57	56	51	46	52	64	62	64	52	62	63	41	37	46	48	53	50	57	63	63	58	48	48	48	55	66	54	65	67	55.2
	Minimum	31	30	42	41	45	33	31	46	57	52	34	28	33	18	18	24	25	28	37	43	52	53	42	36	34	28	45	36	34	39	43	34.8
Middlesboro	Maximum	54	55	55	53	51	45	50	60	67	64	61	63	63	40	43	54	55	59	58	58	63	62	62	46	48	48	55	66	54	65	67	56.4
	Minimum	34	30	38	41	41	31	23	41	55	52	44	31	38	19	16	31	23	22	28	41	52	56	45	35	32	23	39	42	22	31	43	36.0
Mount Sterling	Maximum	53	56	58	52	49	45	53	60	65	67	54	65	63	31	32	50	50	58	57	65	61	60	57	41	43	50	57	64	58	65	67	55.1
	Minimum	34	33	33	45	44	36	30	41	49	45	34	30	27	12	15	23	24	25	37	48	56	56	39	30	31	30	39	33	28	36	37	36.4
Richmond	Maximum	54	55	57	53	53	44	52	63	63	70	61	66	60	34	41	51	57	62	57	65	61	61	58	48	48	47	57	67	57	67	66	56.5
	Minimum	35	44	45	44	40	28	33	46	58	58	38	33	31	17	18	28	28	29	42	51	57	57	42	36	34	32	35	36	31	41	46	38.8
Sergent	Maximum	54	55	58	55	53	44	53	63	63	70	61	66	63	34	40	51	55	61	57	65	61	61	57	47	47	49	59	67	60	67	67	56.7
	Minimum	40	31	43	37	38	34	28	32	52	54	37	30	31	25	14	23	22	24	33	42	51	51	37	32	26	20	32	33	28	40	45	34.8
Williamsburg	Maximum	57	59	68	65	55	41	52	71	72	72	62	65	66	35	49	59	62	66	60	65	66	63	60	45	49	50	62	66	60	67	70	59.7
	Minimum	38	50	44	43	39	35	38	40	56	53	43	31	32	16	14	30	32	24	30	47	54	47	44	36	30	25	41	41	25	36	52	36.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, etc. indicate respectively 1, 2 etc. days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXVIII. LOUISVILLE, KY., ANNUAL, 1923. No. 13.

GENERAL SUMMARY.

The temperature for the year averaged near normal, but monthly means departed considerably from the normal during the first five months. Following an exceptionally warm January, February and March were decidedly cold and inclement; while temperatures continued low through most of April and until late in May. The severe March freezes damaged fruit; and also killed much sprouting clover and tobacco seed, which had to be resown early in April. The cold, wet spring delayed germination of most seeds, retarded growth, and interfered seriously with farm work. Corn planting and tobacco setting occurred about two weeks later than usual. Favorable summer and autumn temperatures largely overcame the spring handicap, permitting timely maturity without frost damage of consequence. Except in 1890, precipitation for the year was the greatest on record. It was decidedly heavy in January and February, causing extensive flooding of lowlands. A slight to moderate excess also occurred in every month from March to June, inclusive; followed by a marked deficiency over most of the State in July. August was very wet in the western and southern counties; but rainfall was deficient in the central and eastern divisions during October and November. December was decidedly wet in all districts. There was marked irregularity in areal distribution during the growing season. The June and August rainfall was four to eight inches heavier, at stations in the western counties than in the blue grass region. Continued rains early in June favored tobacco transplanting, but they delayed cultivation of early crops, which became unusually weedy. The crowding of spring work into early summer, due to persistent wet weather, caused cultivation to be neglected when wheat required harvesting. Hot, dry weather prevailed through the period of wheat and hay harvest. Crops began to suffer for rain in the hilly western districts toward the end of July; but the drought was relieved by the heavy August rains, which also restored pastures to luxuriant condition. Early potatoes were good in most districts, but late potatoes were injured somewhat by dry weather in late September and early October. Because of dry soil, rye sown for pasture grew too slowly to furnish much forage. The last cuttings of cowpeas and alfalfa, although very late, had excellent weather in which to cure. Corn, later than usual in maturing, dried out quickly and was gathered under favorable conditions in October and November. Wheat, sown late in soil becoming progressively drier, germinated slowly and was delayed in starting; but slow growth continued through December, allowing the plants to reach a fair size and become well rooted. Tobacco suffered locally from rust in the western counties, but made an excellent crop in the burley district. Some sweating in barns occurred in early September, after which conditions for curing were ideal. Streams became low early in the summer, because of light rainfall over the upper basins, and continued in that condition until the early December rains.

THE WEATHER BY MONTHS.

JANUARY.—Mild weather prevailed, becoming warmer toward the close. Indications of growth appeared in grass, winter grains, and shrubs during the last week. Precipitation much above normal, and occurring mostly during the last two weeks, caused extensive flooding of bottom lands and considerable soil erosion in the western counties. Snowfall was limited to a few flurries in the northern and eastern districts.

FEBRUARY.—Short periods of unseasonably warm weather, alternating sharply with periods of low temperature, caused considerable damage to winter grains by freezing and thawing. Excessive precipitation early in the month prolonged the flood conditions along the western streams, damaging wheat and grass on bottom lands.

MARCH.—Frequent sharp changes in temperature, destructive windstorms, and two severe freezes late in the month, were the characteristic features. Fruit was seriously damaged by the late cold waves, and there was considerable loss of clover and tobacco seed. Early wheat deteriorated and late sown wheat was badly frozen out. The general wintry conditions, as well as the frequent heavy rains, prevented any progress of consequence with plowing or other spring work. Many tobacco plant beds were sown two weeks late.

APRIL.—Unseasonably cold, frequent frosts and heavy rains delayed farm work during the first two weeks; but favorable weather during the remainder of the month permitted rapid progress with plowing and planting. Many tobacco beds and much clover were reseeded during the first week. The development of vegetation was at least two weeks late. Farm work was so behind that the full acreage of oats and potatoes could not be planted.

MAY.—Persistent low temperature during the first three weeks, with snow squalls and heavy frosts in the period, 8-10th, rendered the month exceedingly backward and unfavorable. Frost caused considerable damage to tender vegetables in the northern counties. Rain in appreciable amount, was reported on nearly

(Continued on next page.)

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature.				Precipitation	
	Mean.	*Departure.	Highest.	Lowest.	Average.	*Departure.
1889	55.6	−0.7	101	3	35.97	− 9.16
1890	57.1	+0.8	101	4	58.82	+13.69
1891	56.3	0.0	105	0	49.69	+ 4.56
1892	55.3	−1.0	101	− 6	44.25	− 0.88
1893	55.5	−0.8	101	−22	44.71	− 0.42
1894	57.1	+0.8	105	−12	34.81	−10.32
1895	55.0	−1.3	104	−18	38.47	− 6.66
1896	57.6	+1.3	106	−12	44.68	− 0.45
1897	57.2	+0.9	107	−16	46.72	+ 1.59
1898	57.2	+0.9	103	−12	52.38	+ 7.25
1899	56.4	+0.1	105	−33	46.38	+ 1.25
1900	57.7	+1.4	104	− 9	44.40	− 0.73
1901	55.3	−1.0	112	−22	35.65	− 9.48
1902	56.5	+0.2	107	− 3	44.35	− 0.78
1903	55.8	−0.5	104	−16	41.16	− 3.97
1904	55.3	−1.0	100	− 9	35.10	−10.03
1905	55.8	−0.5	106	−16	47.68	+ 2.55
1906	57.0	+0.7	100	−12	48.84	+ 3.71
1907	56.1	−0.2	102	−11	47.76	+ 2.63
1908	57.7	+1.4	104	− 2	41.94	− 3.19
1909	56.5	+0.2	104	−14	51.26	+ 6.23
1910	55.3	−1.0	100	−20	50.67	+ 5.54
1911	58.0	+1.7	106	−16	46.77	+ 1.64
1912	54.6	−1.7	100	−29	47.93	+ 2.80
1913	57.9	+1.6	109	− 2	47.46	+ 2.33
1914	56.3	0.0	109	−16	41.80	− 3.33
1915	56.2	−0.1	102	0	51.92	+ 6.79
1916	56.2	−0.1	102	−14	45.49	+ 0.36
1917	53.5	−2.8	100	−21	46.01	+ 0.88
1918	56.5	+0.2	111	−29	40.64	− 4.49
1919	57.9	+1.6	104	− 1	52.13	+ 7.00
1920	55.5	−0.8	100	− 6	46.90	+ 1.77
1921	60.1	+3.8	106	11	49.42	+ 4.29
1922	58.5	+2.2	103	1	44.43	− 0.70
1923	57.1	+0.8	99	− 4	53.92	+ 8.79

*Compared with 30 years' normal.

Climatological Data for the Year 1923.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number of days				Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION.																				
Beaver Dam	Ohio	441	20	57.8	98	June 22	7	Feb. 18	20	51.00	9.20	Dec.	1.30	July	5.2	99	.....	.....	.....	w.
Blandville	Ballard	445	42	57.4	95	July 24	8	Feb. 18[a]	45	61.60	9.28	May	2.16	July	1.9	107	120	106	139	sw.
Calhoun	McLean	437	20	58.2	97	July 24	8	Feb. 18	20	63.56	12.77	Aug.	1.67	July	2.7	119	201	49	115	nw.
Earlington	Hopkins	420	33	58.0	97	July 24	9	Feb. 18	33	69.92	10.85	Aug.	1.67	July	.....	119	201	49	115	sw.
Greenville	Muhlenburg	519	7	57.6	99	July 24	6	Feb. 18	7	66.11	9.58	Aug.	0.66	July	.....	110	q178	q111	q59	s.
Henderson	Henderson	382	.....	.....	.....	.....	.....	.....	15	53.41	5.58	Nov.	1.98	July	.....	108	.....	.....	.....	.....
Hopkinsville	Christian	524	27	59.2	98	July 24	11	Feb. 18	27	74.18	10.89	Aug.	3.34	July	3.8	115	148	63	154	se.
Marion	Crittenden	571	25	58.5	96	July 24[t]	9	Feb. 4[a]	25	57.40	9.34	Aug.	0.21	July	4.0	70	135	97	133	nw.
Mayfield	Graves	364	11	.....	96	July 24[t]	10	Feb. 4[a]	12	.....	.....	.....	.....	.....	1.5	91	210	83	72	s.
Owensboro	Daviess	479	27	56.7	95	June 22[t]	8	Feb. 4[a]	27	61.40	9.05	Aug.	2.40	July	2.0	123	172	43	150	s.
Paducah, (near)	McCracken	516	6	59.9	99	July 24[t]	10	Feb. 4[a]	6	64.32	9.55	May	1.25	July	2.0	89	214	69	82	se.
Paducah	McCracken	344	.....	.....	.....	.....	.....	.....	35	57.85	7.35	Aug.	1.67	July	2.0	94	.....	.....	.....	.....
Princeton	Caldwell	529	13	57.3	96	July 24	8	Feb. 18	16	56.98	7.92	Jan.	2.18	July	3.7	127	114[b]	110[b]	139[b]	s.
Russellville	Logan	550	11	57.4	98	July 12[t]	9	Feb. 18	11	56.29	7.99	Aug.	2.04	Sept.	2.8	126	177[t]	70[t]	112[t]	s.
CENTRAL DIVISION.																				
Anchorage	Jefferson	700	23	55.1	96	June 22	− 4	Feb. 18	23	48.80	7.79	July	0.99	Oct.	3.7	95	213[a]	50[a]	101[a]	sw.
Bardstown	Nelson	697	27	57.4	98	Aug. 12	1	Feb. 18	27	50.17	6.66	Jan.	1.69	Oct.	3.5	117	163	72	130	s.
Bowling Green	Warren	500	33	59.4	99	June 22[t]	10	Feb. 18	34	62.50	8.94	Aug.	1.69	Oct.	5.8	123	.....	.....	.....	w.
Brownsville	Edmonson	410	.....	.....	.....	.....	.....	.....	6	66.29	11.01	Aug.	1.69	Oct.	5.5	125	.....	.....	.....	.....
Burnside	Pulaski	773	.....	.....	.....	.....	.....	.....	31	58.55	8.18	Dec.	0.84	Oct.	.....	132	.....	.....	.....	.....
Carrollton	Carroll	422	.....	.....	.....	.....	.....	.....	24	44.89	6.61	June	0.65	Oct.	.....	124	.....	.....	.....	.....
Cloverport	Breckenridge	375	.....	.....	.....	.....	.....	.....	10	50.04	5.87	Aug.	1.64	Sept.	2.0	114	86	107	172	s
Eubank	Pulaski	1,177	29	56.4	93	June 22[t]	− 2	Feb. 18	29	49.07	6.06	Aug.	0.44	Oct.	3.0	116	190	42	133	s.
Frankfort	Franklin	560	30	57.3	98	June 22	5	Feb. 18	34	44.19	6.13	April	0.29	Oct	2.5	113	183	60	122	s.
Glasgow	Barren	780	2	58.6	97	July 15	7	Feb. 18	2	52.79	7.39	Mar.	0.82	Oct.	5.0	151	87	27	251	sw.
Greensburg	Green	581	31	56.2	93	June 21[t]	3	Feb. 18	35	51.73	7.17	Mar.	0.31	Oct.	4.0	109	.....	.....	.....	.....
High Bridge	Jessamine	550	.....	.....	.....	.....	.....	.....	21	47.45	7.34	Dec.	0.43	Oct.	5.0	103	161	63	141	sw.
Irvington	Breckinridge	646	26	57.3	94	Aug. 12	6	Feb. 18	26	49.41	6.61	Jan.	1.84	Oct.	1.2	103	179	128	58	s.
Junction City	Boyle	985	30	56.0	95	June 22	− 1	Feb. 18	30	69.73	9.73	Dec.	0.39	Oct.	5.0	138	.....	.....	.....	.....
Leitchfield	Grayson	635	28	56.8	95	June 22	6	Feb. 18	28	60.30	8.84	Aug.	2.36	Oct.	4.0	103	165	98	102	sw.
Lexington	Fayette	989	36	55.8	96	June 22	2	Feb. 18	36	46.63	6.63	Jan.	0.56	Oct.	5.0	137	122	99	141	sw.
Louisville	Jefferson	525	51	57.2	98	June 22	7	Feb. 18	51	48.91	6.28	June	1.06	Oct.	1.3	127	122	107	136	s.
Do (Cherokee Park)	Jefferson	534	14	56.3	93	Aug. 12	6	Feb. 18	14	53.46	6.67	June	1.10	Oct.	2.1	123	169	92	104	sw.
Pilcher	Meade	363	.....	.....	.....	.....	.....	.....	1	53.63	6.75	Feb.	1.48	Oct.	3.0	107	.....	.....	.....	.....
St. John	Hardin	777	27	56.4	95	June 22[t]	1	Feb. 18	27	57.70	7.45	Dec.	1.41	Oct.	6.1	118	215	48	102	.....
Scott	Kenton	900	26	54.6	98	June 22	0	Feb. 18	26	45.79	7.50	Dec.	0.60	Sept.	8.5	129	101	144	120	sw.
Shelbyville	Shelby	825	34	55.6	96	June 22[t]	− 1	Feb. 18	34	53.93	6.96	Jan.	0.36	Oct.	5.3	122	148	60	157	s.
Taylorsville	Spencer	489	21	56 0	94	June 22	1	Feb. 18	21	49.85	6.79	April	0.56	Oct.	3.7	125	172	65	128	s.
Williamstown	Grant	943	20	54.8	96	June 21[t]	− 3	Feb. 18	21	41.63	6.67	April	0.61	Oct	2.9	126	146	107	112	nw.
Woodbury	Butler	533	.....	.....	.....	.....	.....	.....	6	61.10	7.76	Mar.	1.91	July	5.0	131	.....	.....	.....	.....
EASTERN DIVISION.																				
Ashland	Boyd	534	5	57.4	96	June 22	3	Feb. 18	7	50.67	8.40	Dec.	1.58	Oct.	1.6	114	.....	.....	.....	sw
Beattyville	Lee	650	19	57.4	96	June 22[t]	1	Feb. 18	21	51.36	7.04	July	1.08	Oct.	1.5	128	77	123	165	w.
Berea	Madison	1,070	20	56.6	93	June 22	− 1	Feb. 18	20	53.03	7.65	June	0.95	Oct	1.5	126	127[c]	104[c]	131[c]	sw.
Cynthiana	Harrison	684	.....	.....	.....	.....	.....	.....	6	45.11	6.60	April	0.77	Oct.	2.0	99	.....	.....	.....	.....
Falmouth	Pendleton	600	.....	.....	.....	.....	.....	.....	35	41.82	6.73	Aug.	0.87	Oct.	1.0	118	174	68	123	se.
Farmers	Rowan	668	14	56.0	97	June 22	− 2	Feb. 18	16	43.47	7.40	Dec.	1.28	Oct.	3.1	98	149	104	112	ne.
Jackson	Breathitt	776	1	57.0	93	June 22	1	Feb. 18	12	58.85	8.98	June	1.18	Oct	4.0	.....	w168	w91	w83	sw.
Maysville	Mason	524	26	56.3	99	June 22	2	Feb. 18	26	54.65	6.89	Aug.	1.66	Oct.	1.0	117	180	55	130	w[t]
Middlesboro	Bell	1,128	26	57.1	93	June 21[t]	3	Feb. 18	26	54.68	7.83	Mar.	0.61	Oct.	13.3	127	231	90	44	.....
Mount Sterling	Montgomery	930	34	55.4	94	June 22[t]	− 3	Feb. 18	34	55.24	8.98	Dec.	1.41	Oct.	3.7	127	178	62	125	w.
Owingsville	Bath	940	.....	.....	.....	.....	.....	.....	4	49.58	6.78	Dec	1.34	Oct.	0.4	95	.....	.....	.....	.....
Oliver	Greenup	540	.....	.....	.....	.....	.....	.....	2	48.84	8.28	Aug.	0.88	Oct.	.....	101	.....	.....	.....	.....
Owenton	Campbell	443	.....	.....	.....	.....	.....	.....	18	44.16	5.96	June	2.06	Oct.	5.0	114	.....	.....	.....	.....
Oneonta	Pike	634	.....	.....	.....	.....	.....	.....	31	47.08	6.86	Dec	0.65	Oct.	3.5	123	183	39	143	.....
Pikeville	Madison	926	29	58.0	96	June 22	0	Feb. 18	7	51.87	7.66	Dec.	1.51	Oct.	2 0	113	.....	.....	.....	.....
Richmond	Lewis	525	.....	.....	.....	.....	.....	.....	28	52.83	7.02	Mar.	0.50	Oct.	10.5	141	137	150	78	.....
Vanceburg	Whitley	939	26	58.4	97	July 15	2	Feb. 18												
Williamsburg																				

All temperature data are taken from self-registering thermometers.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.
[t] Also on other dates.
[t] Also in July.

every day after the 7th, interfering seriously with corn planting and plowing. Tobacco plants made slow growth and transplanting commenced unusually late.

JUNE.—The temperature averaged near normal, but alternated sharply in periods of cool and warm weather. Persistent rains early in the month caused further delay to corn planting, which could not be completed in the preceding month; but they were favorable for tobacco setting. Cultivation of early corn and cutting the first crop of alfalfa were delayed. The hot, dry weather of the last half was ideal for wheat harvest. Field crops improved decidedly, but suffered from lack of cultivation.

JULY.—Normal temperature was favorable for growth, but rainfall was sufficient only in the eastern counties. Drought conditions appeared in the hilly western districts, where early corn began to "fire" and tobacco was retarded. Timothy hay and second crop alfalfa cured properly, and much baling was done in the fields. The quality of wheat and oats was improved by the dry weather that followed harvest, but the yield of oats was reduced.

AUGUST.—High temperature during the first two weeks was followed by a decade of unseasonably cool weather. Frequent heavy rains relieved the incipient drought in the western counties, but caused considerable "drowning" of corn and tobacco on flat lands. Tobacco rust appeared in that district. In general early crops matured rapidly. Cutting tobacco was delayed in the dark district, but progressed rapidly in the burley area, where the rainfall was relatively light.

Monthly and Annual Precipitation for the Year 1923, with Departures from the Normal.

Stations.	January.		February.		March		April		May.		June.		July.		August.		September		October		November		December		Annual	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Beaver Dam	5.31	+0.85	3.18	0.00	4.85	+0.61	3.77	0.35	2.89	−1.31	3.44	+0.27	1.30	−2.68	7.55	+4.21	2.46	−0.22	2.95	0.15	4.10	+0.92	9.26	+5.45	51.00	+7.80
Blandville	7.05	+2.44	4.29	0.24	5.64	+1.01	5.41	+0.91	9.28	+5.01	3.65	−0.71	2.16	−1.73	7.09	+3.95	4.30	+1.15	2.52	−0.48	4.66	+0.50	5.56	+1.55	61.60	+14.50
Calhoun	7.23	+2.35	3.98	+0.72	4.78	+0.06	4.16	−0.43	3.71	−0.25	6.98	+3.39	0.72	−3.56	12.77	+9.12	3.89	+1.11	4.18	+0.59	4.50	+0.84	8.86	+2.61	65.56	+16.81
Earlington	7.46	+2.98	6.79	+3.19	5.71	+0.84	4.75	+0.38	3.37	−1.34	7.14	+3.71	1.67	−2.43	10.85	+7.50	4.04	+1.35	4.34	+1.75	5.88	+2.14	5.78	+4.11	69.00	+21.39
Greenville	6.69		1.82		5.71		5.63		4.38		6.60		0.66		9.58		3.51		4.54		9.12		8.86		66.11	
Henderson	3.00	+1.64	4.97	+2.43	4.48	−0.83	4.29	+0.65	5.48	+1.54	5.07	+0.96	1.98	−1.26	5.33	+2.57	2.08	−0.76	3.78	+0.58	5.58	+1.71	5.37	+0.95	53.41	+10.12
Hopkinsville	7.89	+2.76	5.52	+1.63	8.02	+3.18	5.57	+1.22	4.30	+0.07	8.40	+4.12	3.34	−0.69	10.89	+7.84	3.73	+0.70	3.41	+0.54	4.47	+0.32	8.64	+3.87	71.18	+25.56
Marion	7.13	+2.33	3.12	−0.25	2.70	−2.09	5.29	+0.71	8.88	+4.59	2.45	−1.20	0.21	−3.72	9.34	+6.55	4.11	+1.07	3.27	+0.73	5.61	+1.29	5.89	+1.67	57.40	+11.65
Mayfield	8.60	+4.63	3.58	+0.10	5.32	+1.26	5.27	+0.72	6.57	+2.31	3.43	+0.58	2.88	−1.14	6.66	+3.33	4.28	+1.29	2.44	−0.60			8.75	+4.39		
Owensboro	6.10	+1.59	3.12	+1.87	3.28	1.50	4.18	+0.08	6.04	+2.20	6.99	+3.42	2.40	−1.45	9.05	+5.46	3.50	+0.68	4.97	+1.87	4.88	+1.43	4.26	+1.63	61.16	+16.78
Paducah (near)	7.30		4.10		4.95		6.25		9.55		2.77		1.25		8.95		4.40		2.75		5.40		6.65		64.52	
Paducah	6.54	+1.83	3.76	+0.15	5.06	+0.67	5.54	+1.21	7.30	+3.49	2.60	−1.92	1.67	−2.31	7.35	+4.07	5.34	+2.40	2.66	−0.02	4.72	+0.92	5.31	+1.55	57.80	+12.12
Princeton	7.92	+3.67	3.79	−0.77	5.52	+0.31	4.82	+0.82	3.33	−1.80	3.38	−0.34	2.18	−1.44	6.54	+3.02	5.24	+2.46	3.58	+0.89	4.91	+0.82	5.98	+1.66	56.98	+9.24
Russellville	7.13	+1.44	3.39	+1.75	7.61	+2.32	3.56	1.47	3.30	−1.02	4.36	+1.22	4.32	−0.69	7.99	+5.46	2.04	−0.96	3.08	+0.76	3.63	−0.59	4.28	+0.64	56.20	+8.86
CENTRAL DIVISION.																										
Anchorage	5.34	+1.26	3.60	+0.76	4.75	+0.51	3.91	0.09	2.86	−0.98	5.35	+1.72	7.79	+3.35	2.17	−1.72	3.31	+0.65	0.96	−2.06	3.34	+0.39	5.39	+1.41	48.56	+5.20
Bardstown	6.34	+1.51	5.69	+1.78	6.07	+0.58	5.38	+1.51	4.11	+0.88	4.31	−0.05	3.19	−1.29	4.14	+0.53	1.52	−1.38	0.40	−2.60	3.46	−0.32	6.66	+2.30	60.17	+3.87
Bowling Green	8.94	+4.30	6.03	+1.36	7.50	+2.58	5.49	+1.23	4.21	−0.04	4.16	+0.29	2.62	−1.84	5.73	+5.21	1.50	−0.49	1.09	−0.68	3.97	+0.36	6.52	+2.23	62.76	+14.48
Brownsville	7.89		7.38		7.19		5.43		4.65		3.77		3.87		11.01		3.34		1.65		3.89		6.58			
Burnside	6.41	+1.86	6.80	+2.71	6.15	−0.89	3.46	−0.74	6.35	+2.96	2.22	−1.90	6.75	+1.86	5.15	+0.99	2.38	−1.16	0.84	−2.19	3.26	+0.05	8.18	+3.89	58.55	+5.22
Carrollton	5.65	+1.41	3.34	+0.46	3.45	+0.12	3.88	+0.70	4.08	+0.04	6.61	+3.02	2.36	1.64	5.12	+2.30	1.41	−1.42	0.65	−2.00	3.19	+0.26	5.75	+2.75	44.29	+6.60
Cloverport	4.68	+0.51	5.72	+3.09	4.16	−0.10	4.07	+0.02	3.07	−0.85	5.13	+1.05	2.63	−1.20	5.87	+2.05	1.61	−0.97	2.71	−0.35	4.51	+0.88	5.85	+1.63	50.03	+5.19
Dix Dam																							5.84			
Eubank	5.76	+1.79	3.65	0.44	5.17	0.08	4.22	+0.17	5.96	+1.58	2.46	−1.62	3.24	−1.36	6.06	+1.72	3.68	+0.17	0.44	−2.28	3.29	+0.12	5.14	+1.27	49.67	+1.10
Frankfort	4.99	+0.86	5.58	+2.02	4.16	−0.54	6.13	+2.40	1.49	−2.32	3.34	0.86	2.48	−1.63	4.75	+1.07	2.70	−0.16	0.29	−2.18	2.92	−0.43	5.36	+1.77	44.19	0.06
Franklin	6.64	+2.18																					4.80	−0.28		
Glasgow	7.14		5.28		7.32		3.77		3.54		4.45		2.19		6.64		1.98		0.82		2.85		6.74		52.79	
Greensburg	6.88	+2.37	5.80	+1.78	7.17	+2.14	4.93	+1.08	3.03	−1.26	2.84	−1.61	2.99	−1.60	4.90	+1.00	2.84	−0.22	0.31	−2.45	3.14	+0.08	6.60	+2.44	51.53	+3.70
High Bridge	5.55	+1.16	4.89	+1.64	4.58	+0.14	4.14	+0.38	2.42	−1.43	5.25	+1.33	4.53	+0.21	3.65	−0.40	1.91	−1.06	0.43	−2.55	2.76	−0.41	7.34	+2.86	47.45	+1.87
Irvington	6.61	+2.19	5.01	+1.71	5.38	+0.78	4.14	+0.12	4.27	+0.86	3.56	−0.43	1.84	−1.71	4.57	+0.97	2.33	−0.66	1.81	−0.91	3.90	+0.69	5.93	+2.65	49.41	+5.64
Junction City	6.83	+1.84	7.50	+3.76	7.19	+2.02	5.80	+1.86	7.57	+3.48	5.39	+1.68	5.30	+1.60	6.48	+2.93	3.52	+0.46	0.39	−2.14	4.03	+0.79	9.73	+5.20	69.73	+22.88
Leitchfield	6.82	+2.30	4.24	+0.46	6.40	+1.61	4.54	+0.46	3.84	−0.16	6.88	+2.89	3.35	−0.79	8.84	+5.17	2.79	−0.85	2.36	−0.07	3.75	−0.18	6.49	+1.87	60.50	+12.71
Lexington	6.63	+2.80	4.40	+1.17	4.65	−0.07	5.43	−2.09	1.66	−1.86	3.55	−0.44	5.01	+0.57	4.02	+0.45	1.51	−0.91	0.56	−1.66	2.71	−0.77	6.50	+3.18	46.63	−4.55
LOUISVILLE	5.65	+1.75	3.65	0.10	4.18	−0.14	4.53	+0.36	4.68	+1.04	6.28	+2.65	4.05	+0.31	2.29	−1.22	3.61	+0.78	1.06	−1.57	3.02	−1.16	5.91	+2.18	48.31	+4.58
Do (Cherokee Park)	5.58	+0.80	4.09	+1.12	4.67	+0.83	4.70	+0.42	5.67	+1.34	6.67	+2.91	5.09	−0.02	2.37	1.59	4.61	+1.47	1.10	−2.05	3.53	+0.27	5.98	+1.53	53.45	+7.03
Pitcher, Dam 43	4.87		6.73		4.45		5.88		4.46		3.93		5.27		3.33		3.77		1.48		3.50		5.54		53.63	
St. John	5.93	+1.36	4.85	+0.88	5.83	+0.84	5.28	+1.41	4.68	+0.70	6.16	+2.16	4.52	+0.97	5.18	+1.55	3.12	0.00	1.41	−1.08	3.28	−0.20	7.45	+3.03	57.70	+11.62
Scott	5.61	+1.52	2.56	−0.19	4.66	+0.22	4.59	+1.41	2.39	−1.67	6.02	+2.31	2.13	−1.21	7.12	+3.58	0.66	−1.95	0.69	−1.65	1.92	−0.88	7.50	+4.29	45.79	+5.81
Shelbyville	6.96	+2.70	5.11	+1.31	6.92	+2.21	6.42	+2.70	2.82	−1.40	3.89	−0.57	6.02	+2.82	3.44	+0.08	2.08	−0.77	0.26	−2.06	3.06	−0.35	5.95	+2.06	53.53	+8.83
Taylorsville	6.40	+1.94	5.28	+1.82	4.92	+0.28	6.79	+2.42	2.70	−0.88	3.35	0.91	5.67	+1.40	2.78	−1.09	1.55	−1.68	0.56	−2.41	3.73	+0.46	6.12	+1.72	49.85	+3.01
Williamstown	5.79	+2.16	2.78	+0.05	4.29	−0.09	6.67	+3.34	2.20	−1.56	3.32	−0.52	1.42	−2.26	3.78	−0.41	1.45	−1.51	0.61	−2.30	3.06	+0.33	6.26	+2.75	41.63	+0.18
Woodbury	5.94		6.55		7.76		5.33		4.98		4.93		1.91		8.41		2.02		2.15		4.26		6.86		61.10	
EASTERN DIVISION.																										
Ashland	5.57		5.06		4.05		4.65		3.39		3.25		3.63		5.12		2.58		1.58		3.39		8.40		50.67	
Beattyville	5.36	+0.62	4.03	+0.16	5.05	−0.03	3.61	−1.14	1.92	−2.25	5.32	+0.78	7.04	+2.28	4.63	+0.15	3.15	+0.08	1.08	−2.27	4.56	+1.62	6.21	+1.88	51.36	+1.83
Berea	6.95	+2.18	3.90	+0.79	5.07	+0.31	3.20	−0.39	3.50	−0.56	7.65	+3.10	4.87	+0.28	4.42	−0.16	3.95	+1.09	0.96	−2.13	2.96	−0.14	5.58	+1.16	53.03	+5.53
Cynthiana	5.30		4.95		6.60		1.45		2.10		2.10		2.10		6.50		1.20		0.77		3.04		6.30		45.11	
Falmouth	4.74	+1.01	3.38	−0.02	3.46	−0.63	6.35	+2.88	2.41	−1.23	2.41	−1.76	1.63	−2.12	6.73	+3.20	2.87	1.57	2.82	−0.35	5.75	+2.40	41.82	+0.66
Farmers	3.99	−0.43	3.82	+0.82	4.01	−0.50	5.06	+1.06	2.03	−2.03	3.01	−1.53	3.64	−1.66	3.66	−0.91	2.80	−0.14	1.28	−2.02	2.77	0.00	7.40	+3.65	43.47	−2.75
Jackson	6.26	+2.50	3.93	+0.63	7.10	+2.75	2.96	−0.56	3.58	−0.14	8.98	+4.98	5.16	+1.13	5.47	+2.11	2.31	−0.27	1.18	−2.41	3.26	+0.58	8.66	+5.06	58.85	+16.36
Louisa	4.77	+1.06	3.76	+0.43	3.91	−0.15			2.55	−1.52	3.13	−1.91	6.24	+2.88	2.89	−0.94	3.71	+1.04	1.56	−1.29	2.69	−0.28	8.00	+4.50		
Maysville	4.98	+0.82	4.66	+1.33	4.48	−0.16	5.91	+2.48	2.44	−1.61	4.52	+0.19	4.89	+0.35	6.89	+2.91	4.14	+1.51	1.66	−0.86	3.21	+0.37	6.87	+3.11	54.65	+10.44
Moddlesboro	6.83	+2.15	4.74	−0.18	7.83	+2.35	4.46	−0.33	4.12	−0.09	4.01	−0.48	4.09	−1.41	5.73	+1.47	5.72	+1.03	0.61	−1.69	4.06	+0.55	6.48	+2.33	54.68	+3.64
Mount Sterling	6.25	+1.53	4.23	+0.26	4.59	−0.82	6.32	+2.40	2.58	−1.71	3.28	−1.85	5.28	+0.22	5.71	+1.74	2.92	−0.02	1.41	−1.50	3.67	+0.43	8.58	+4.74	55.24	+5.36
Olivet	4.60		5.25		4.04		5.23		2.25		3.71		6.49		4.31		2.29		1.34		3.29		6.78		49.58	
Owenton	4.93		2.93		4.23		5.03		2.52		5.64		3.36		8.28		1.19		0.88		2.86		6.99		48.84	
Paris	4.08	−0.05	3.36	+0.08	4.02	−0.53	3.18	−0.43	2.58	−0.57	5.96	+1.47	4.48	+0.49	5.70	+1.56	2.08	−0.89	2.06	0.96	2.60	−0.67	4.66	+0.19	44.16	+0.29
Richmond	4.78	+0.27	3.98	+0.54	4.87	+0.48	4.00	+0.39	2.43	−1.15	4.89	+0.95	4.08	+0.61	3.67	−0.07	2.82	−0.02	0.65	−2.16	4.05	+1.18	6.86	+2.91	47.08	−3.50
Sergent											4.32		3.78		3.69		2.98		1.80		2.14		6.18			
Vanceburg	5.01		5.67		4.57		5.35		2.60		4.09	+0.78	4.60	−0.37	4.79		2.94	+0.31	1.51	−1.18	3.08		7.06		51.87	
Williamsburg	5.35	+1.32	4.51	+1.02	7.02	+2.10	3.82	−0.58	4.21	+0.13	4.24	−0.31	5.70	−0.17	4.56	+0.04	4.56	+1.20	0.50	−2.05	3.16	+0.23	5.26	+1.51	52.83	+4.44

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. T. Precipitation is less than 0.01 inch rain or melted snow.

SEPTEMBER.—Cool weather, with light frosts, early in the month delayed the maturity of late crops; while persistent showers and high humidity interfered with curing of tobacco. A decade of warm and comparatively dry weather near the close was decidedly favorable. Rainfall was again excessive in much of the western district, but there were localities in the northern counties where moisture was deficient.

OCTOBER.—The month was generally cool. Heavy to killing frosts occurred at the end of the first week in the northeastern counties, but they were not general over the State until the 22d. Precipitation was deficient in the central and eastern districts. Toward the end of the month the soil became too dry to sprout the wheat. Tobacco cured rapidly, but the late potato crop was reduced. Rye for pasture grew slowly.

NOVEMBER.—Frequent freezes early in the month delayed growth, but warmer weather later favored slow development of the belated wheat and caused the last sown to germinate. Precipitation was light and stock water was deficient until late in the month. Corn was gathered rapidly in exceptionally dry condition. Little progress was made with handling tobacco.

DECEMBER.—The month was wet and exceptionally mild; winter grains continuing to grow slowly until the close. Moderate rains during the first week replenished stock water; while heavy and frequent rains later on caused floods in headwater streams that resulted in considerable overflow of lowlands. The mild, damp weather favored handling tobacco, but the bad condition of dirt roads interfered with deliveries.

Monthly and Annual Mean Temperatures for the Year 1923, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure
WESTERN DIVISION.																										
Beaver Dam	41.8	+ 6.2	34.5	− 1.7	46.2	− 1.4	55.8	− 0.1	64.8	− 1.5	75.2	+ 1.0	77.4	− 0.4	74.9	− 1.6	70.0	− 0.9	56.8	− 1.9	47.6	+ 0.7	48.2	+11.1	57.8	+0.8
Blandville	42.5	+ 8.5	34.2	− 2.6	45.4	− 1.9	56.2	− 1.2	63.4	− 3.2	73.4	− 1.6	77.4	− 0.8	76.0	− 0.8	69.4	− 1.5	55.6	− 3.0	48.2	+ 0.9	47.3	+10.2	57.4	+0.2
Calhoun	42.5	+ 5.8	35.4	− 2.3	47.4	− 1.9	56.8	− 1.2	65.4	− 1.7	74.6	− 0.8	77.8	− 0.2	76.6	− 0.8	69.6	− 2.6	57.2	− 2.8	48.4	+ 0.2	47.3	+ 9.1	58.2	0.0
Earlington	*41.9	+ 6.6	34.4	− 1.9	46.6	− 0.7	56.3	− 1.0	64.8	− 2.4	74.8	− 0.9	78.0	− 0.4	77.4	+ 0.3	70.6	− 0.5	56.6	− 2.7	47.6	− 0.3	47.2	+ 9.1	58.0	+0.4
Greenville	*41.8	.....	*35.6	.....	*45.6	.....	56.8	.....	*63.7	.....	*73.4	.....	b76.6	.....	75.9	.....	b69.4	.....	*56.4	.....	*48.2	.....	*47.4	.....	57.6	.....
Hopkinsville	42.8	+ 4.8	36.5	− 0.5	47.0	− 2.2	58.4	+ 1.6	66.3	− 1.3	76.0	+ 0.8	78.9	+ 0.1	77.8	0.0	72.2	+ 0.3	58.6	− 1.8	47.8	− 0.5	48.0	+10.2	59.2	+1.0
Marion	42.2	+ 6.2	34.8	− 0.9	46.6	− 2.0	57.2	− 0.1	64.4	− 2.7	75.0	+ 0.1	79.2	+ 1.4	78.0	− 0.1	70.4	− 1.8	57.6	− 1.8	48.8	+ 0.5	47.7	+10.2	58.5	+0.8
Mayfield	44.1	+ 8.5	36.6	− 0.6	47.0	− 4.4	56.4	− 0.8	64.2	− 2.2	74.4	0.0	78.7	+ 0.8	77.0	− 0.3	70.2	− 1.2	.....	.....	*48.8	− 0.2	48.0	+ 9.5	.....	.....
Owensboro	40.2	+ 4.7	33.3	− 1.4	45.2	− 1.7	54.4	− 0.8	64.0	− 2.3	73.2	− 0.9	76.8	− 1.2	75.6	− 0.8	68.8	− 1.9	56.0	− 3.0	46.8	− 0.7	46.0	+ 9.4	56.7	0.0
Paducah (near)	44.2	.....	37.7	.....	48.2	.....	58.7	.....	66.2	.....	76.2	.....	80.1	.....	79.5	.....	72.2	.....	58.0	.....	49.6	.....	48.7	.....	59.9	.....
Princeton	41.1	+ 5.7	33.6	− 1.6	45.4	− 2.9	55.6	− 2.5	62.9	− 4.7	c74.6	− 1.4	b77.0	− 1.6	76.0	− 1.7	69.4	− 2.0	56.8	− 2.3	47.7	+ 1.0	47.4	+ 9.7	57.3	−0.3
Russellville	42.4	+ 7.1	35.9	− 0.7	46.3	− 2.9	54.8	− 3.0	c64.0	− 2.4	73.4	− 1.6	77.2	− 0.5	76.1	− 2.0	e69.3	− 2.2	c56.8	− 3.0	46.5	− 1.3	46.2	+ 7.5	57.4	−0.4
CENTRAL DIVISION.																										
Anchorage	38.4	+ 5.4	31.4	− 1.6	42.6	− 2.5	52.0	− 1.2	61.8	− 2.3	71.8	− 0.1	76.2	+ 0.2	*74.4	− 0.3	69.2	+ 0.7	55.4	− 1.4	*44.6	− 0.3	43.5	+ 9.9	55.1	+0.6
Bardstown	40.5	+ 4.6	34.8	+ 0.3	46.0	− 0.6	55.0	− 0.3	64.9	− 2.1	74.0	− 0.6	77.2	− 1.3	76.4	− 0.8	70.8	− 1.1	57.0	− 2.5	46.2	− 0.8	46.6	+10.9	57.4	+0.4
Bowling Green	43.2	+ 6.6	37.4	− 0.2	47.8	− 0.5	58.0	− 0.1	66.8	− 0.8	75.8	0.0	79.2	+ 0.3	78.0	− 0.3	72.0	+ 0.3	58.8	− 0.4	48.2	+ 0.9	48.0	+10.4	59.4	+1.3
Dix Dam	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	46.6	.....	.....	.....
Eubank	40.6	+ 5.7	35.0	+ 1.7	45.8	− 0.5	54.0	− 0.3	63.0	− 1.0	72.9	+ 1.5	75.4	+ 0.5	74.7	+ 0.9	69.2	+ 0.7	55.8	− 1.1	45.1	+ 0.6	45.1	+ 8.7	56.4	+1.5
Frankfort	40.8	+ 4.8	34.8	− 1.1	45.4	− 1.2	54.8	− 0.5	61.6	− 0.6	74.8	+ 1.2	77.5	+ 0.6	76 0	+ 1.0	70.2	+ 1.7	b56.4	− 0.7	46.3	− 0.1	46.2	+ 9.0	57.3	+1.2
Franklin	a43.8	+ 5.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47.6	− 0.9	49.0	+ 8.8	.....	.....
Glasgow	42.8	.....	36.9	.....	47.2	.....	56.2	.....	65.0	.....	74.2	.....	78.0	.....	76 4	.....	71.2	.....	58.8	.....	48.0	.....	49.0	.....	58.6	.....
Greensburg	40.8	+ 6.1	34.4	− 0.5	45.4	− 1.2	53.3	− 1.9	62.6	− 2.2	71.7	− 1.6	75.0	− 1.6	73.7	− 1.6	68.0	− 1.6	c56.7	− 0.4	a46.6	+ 1.4	46.8	+10.5	56.2	+0.4
Irvington	41.0	+ 4.8	34.6	+ 0.3	45.2	− 1.6	55.2	− 0.3	64.1	− 2.2	73.7	0.0	77 4	0.0	75.8	− 0.2	69.8	− 0.6	57.0	+ 1.4	47 2	+ 0.5	46.5	+10.5	57.3	+1.1
Junction City	40.2	+ 5.1	34.7	+ 0.1	45.4	− 0.7	53.0	− 1.5	63.8	− 0.8	72.2	+ 0.1	74.7	− 0.7	72.8	− 1.7	69.0	− 0.3	55.8	− 2.0	45.2	+ 1.3	45.8	+ 9 6	56.0	+0.7
Leitchfield	40.4	+ 5.3	33.8	− 0.2	45.2	− 0.8	54.9	− 0.5	64.0	− 1.5	73.2	+ 0.3	76.8	+ 0.2	75.4	0.0	69.4	− 0.4	56.4	− 1.7	46.7	+ 0.4	46.0	+10.2	56.8	+0.9
Lexington	39.1	+ 6.1	31.6	− 4.0	42.6	− 0.8	53.3	− 0.4	63.0	− 1.3	74.0	+ 0.8	76.6	0.0	74.4	− 0.2	69.0	+ 1.1	56.2	− 0.3	44.8	+ 0.1	45.2	+ 8.8	55.8	+0.8
LOUISVILLE	40.4	+ 6.0	32.4	− 4.8	43.4	− 2.0	54.6	− 1.8	64.5	− 2.1	74 6	− 0.1	78.3	− 0.3	76.4	− 0.6	70.8	+ 0.3	57.2	− 2.1	46.8	+ 0.1	46.6	+ 9.0	57.2	+0.2
Do. (Cherokee Park)	38.5	+ 3.9	33.4	− 1.8	45.0	− 0.3	54.9	− 1.0	63.2	− 1.9	72.2	− 0.8	75.5	− 1.0	74.2	− 0.5	70.3	+ 1.4	c56.8	− 1.1	46 5	− 0.1	45.6	+ 9.4	56.3	+0.5
St. John	41.2	+ 7.1	34.5	+1.5	44.4	− 0.7	53.5	− 0.9	63.2	− 1.5	72.8	+ 0.5	76.2	+ 0.5	74.3	− 0.8	69.4	− 0.6	54.9	− 2.9	44.5	− 0.5	*45 6	+11.0	56.4	+1.3
Scott	37.0	+ 3.9	30.2	− 0.5	41.7	− 1.7	52.2	− 0.9	61.8	− 2.0	72.1	+ 0.5	75.2	− 1.4	73.1	− 2.4	68.9	− 0.3	55.9	− 0.8	44.4	0.0	43.3	+10.1	54.6	+0.2
Shelbyville	39.4	+ 6.1	32.5	− 1.3	43.4	− 1.3	53.0	− 1.7	63.0	− 2.0	72.7	− 0.8	76.2	− 0.7	74.2	− 0.1	68.6	+ 0.6	54.6	− 1.7	44.6	− 0.2	44.6	+ 9.6	55.6	+0.4
Taylorsville	40.5	+ 6.3	33.2	− 2.2	44.3	− 2.3	52.8	− 1.7	62.8	− 1.8	*74.0	+ 1.5	b76.5	+ 0.4	74.2	− 0.1	68.6	+ 0.6	c56.1	+ 1.0	c44.1	− 1.0	45.4	+10 2	56.0	+0.8
Williamstown	36.5	+ 4.1	30.4	− 1.6	41.7	− 2.9	51.6	− 1.2	62.0	− 1.6	72.5	+ 1.3	75.8	+ 0.1	74.0	− 0.2	67.8	− 0.8	f56.1	+ 1.0	c44.1	− 1.0	44.5	+11.0	54.8	+0.7
EASTERN DIVISION.																										
Ashland	40.8	.....	37.0	.....	47.4	.....	54.8	.....	63.8	.....	74.4	.....	76.4	.....	75.2	.....	70.4	.....	56.7	....	45.1	.....	47.4	.....	57.4	.....
Beattyville	40.8	+ 5.9	36.2	+ 0.5	46.8	+ 0.9	54.5	0.6	64.0	− 0.2	74.2	+ 1.5	76 6	+ 0.7	75.3	+ 0.1	70.9	+ 1.1	56.5	− 1.3	45.8	+ 0.9	47.6	+11 9	57.4	+1.8
Berea	40.8	+ 4.4	35.7	− 0.6	*45.1	− 2.0	*53.8	− 1.5	63.7	− 2.0	73.4	+ 0.5	b76.2	+ 0.1	74.0	− 0.4	69.0	− 0.3	55.8	− 2.8	45 6	− 1.7	46.8	+10.2	56.6	+0.3
Farmers	40.8	+ 6.0	*35.1	− 0.5	45.5	+ 0.4	53.0	− 1.4	63.2	− 0.5	*73 4	+ 2.2	75.2	+ 0.3	74.2	+ 0.1	a68.3	+ 0.6	54 0	− 2.7	43.8	− 1.0	45.0	+ 9.9	56.0	+1.2
Jackson	41.6	.....	36.5	.....	47.5	.....	*54.0	.....	63.6	.....	73.4	.....	75.2	.....	*74.6	.....	67.8	.....	c55.4	.....	b46.2	.....	48.2	.....	57.0	.....
Maysville	38.8	+ 5.7	33.4	+ 0.4	43.7	− 0.4	54.1	+ 0.5	63.6	− 1.5	74.7	+ 1.8	76.9	− 0.1	75.4	− 0.3	69.8	+ 0.2	56.0	− 1.1	45.2	+ 0.6	43.8	+10.0	56.3	+1.3
Middlesboro	42.0	+ 4.2	38.1	− 0.8	48.2	− 0.3	55.2	− 1.0	63.5	− 1.2	73.4	+ 1.0	74.8	+ 0.1	74.2	0.0	70.0	+ 1.2	55.8	− 1.4	44.2	− 1.6	46.2	+ 8.3	57.1	+0.7
Mt. Sterling	39.0	+ 5.4	31.3	− 2.1	43.6	− 0.1	55.2	− 0.4	62.3	− 1.8	73.0	− 0.6	75.5	− 0.3	74.4	+ 0.3	68.3	+ 0.7	55 4	− 0.2	44.4	+ 0.4	45.0	+10.1	55.4	+1.0
Richmond	41.2	+ 6.9	35.8	+ 0.5	46.6	+ 1.2	55.0	− 0.5	64.1	− 0.7	74.4	+ 1.0	77.2	+ 0.3	75.3	− 0.2	71.6	+ 1.1	58.6	+ 0.2	47.3	+ 0.5	47.6	+10.5	58.0	+1.8
Sergent	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	72.6	.....	74.7	.....	74.5	.....	69.8	.....	55 6	.....	45.5	.....	47.8	.....	.....	.....
Williamsburg	43.3	+ 4.7	38.4	+ 0.9	49.0	+ 2.9	56.4	+ 0.7	64.3	− 2.0	74.4	+ 0.9	76.8	0.0	76.6	+ 0.5	71.6	+ 1.0	56.5	− 3.0	45.4	− 1.7	47.8	+ 9.5	58.4	+1.2

All temperature data are taken from self-registering thermometers.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1923.

STATIONS.	Last in Spring.	First in Autumn.	STATIONS.	Last in Spring.	First in Autumn
WESTERN DIVISION			Junction City	April 18	Oct. 20
Beaver Dam	April 18	Oct. 20	Leitchfield	do 18	do 20
Blandville	do 9	do 21	Lexington	May 9	do 20
Calhoun	do 18	do 22	Louisville	April 18	do 22
Earlington	do 18	do 22	Do. Cherokee Park	do 18	do 22
Greenville	do 18	do 20	St. John	do 18	do 20
Hopkinsville	do 18	do 20	Scott	May 9	do 6
Marion	do 9	do 22	Shelbyville	do 10	do 20
Mayfield	do 9	do 21	Taylorsville	do 10	do 20
Owensboro	do 18	do 22	Williamstown	do 10	do 6
Paducah (near)	do 9	do 21			
Princeton	do 18	do 22			
Russellville	do 18	do 20	EASTERN DIVISION		
			Ashland	May 9	Oct. 6
CENTRAL DIVISION			Beattyville	do 10	do 20
Anchorage	May 10	Oct. 20	Berea	April 18	do 20
Bardstown	April 18	do 20	Farmers	May 10	.....
Bowling Green	do 18	do 20	Jackson	do 10	do 20
Eubank	May 10	do 21	Maysville	do 10	do 6
Frankfort	April 18	do 20	Middlesboro	do 10	do 21
Glasgow	do 18	do 20	Mount Sterling	do 10	do 20
Greensburg	do 18	do 20	Richmond	April 18	do 20
Irvington	do 18	do 20	Williamsburg	do 18	do 21

MONTHLY SUMMARIES, 1923.

MONTH.	Temperature.				Precipitation.		Average number of days.			
	State average.	*Departure.	Highest.	Lowest.	State average.	*Departure.	With .01 or more rain.	Clear.	Partly cloudy.	Cloudy.
January	41.0	+ 5.8	68	11	6.11	+ 1.72	12	8	6	17
February	34.6	− 1.0	74	−4	4.67	+ 1.07	10	10	5	13
March	45.6	− 0.4	80	8	5.27	+ 0.61	9	15	7	9
April	54.8	− 1.1	90	13	4.88	+ 0.94	9	15	6	9
May	63.9	− 1.7	91	27	3.98	+ 0.03	13	11	8	12
June	73.8	+ 0.1	99	42	4.59	+ 0.41	9	16	8	6
July	76.8	+ 0.1	99	44	3.59	− 0.71	8	17	9	5
August	75.4	− 0.3	99	43	6.03	+ 2.47	12	13	10	8
September	69.8	− 0.2	94	30	2.87	+ 0.11	8	15	7	8
October	56.5	− 1.3	89	19	1.68	− 0.82	5	18	5	8
November	46.4	+ 0.3	75	16	3.65	+ 0.30	9	14	5	11
December	46.6	+ 9.5	75	8	6.60	+ 2.66	14	9	5	17
Annual means and extremes	57.1	+ 0.8	99	−4	53.92	+ 8.79	118	161	81	123

Compared with 30 years' normal.

NOTE—Tables and charts giving climatic data for Kentucky in detail during 1921 have been published for each month at the Kentucky section center, Weather Bureau Office, Louisville, Ky., and can be obtained from the official in charge at that office. Indexes to special articles published during past years in Kentucky climatological reports will be found in the Monthly Report for June, 1909.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., JANUARY, 1924. No. 1.

GENERAL SUMMARY.

Frequent sharp cold waves, alternating with brief periods of moderate temperature, characterized the month's weather. Outdoor work, except the necessary feeding and care of stock, remained at a standstill. Severe freezes without snow cover caused considerable injury to winter grains, young clover and timothy. The damage was probably more serious because of continued warm weather in December preceding. The plants were not dormant, but passed quite abruptly from temperatures permitting slow growth into sub-zero conditions. The lifting effect of the freezes was most pronounced on the saturated clay uplands of the central and northern counties. Early sown wheat, being well rooted, withstood the freezes fairly well; but late sown wheat, young clover, and timothy deteriorated steadily during the month. Reports indicated that many fields of wheat and young timothy in the northern counties were so badly frozen out that they will be plowed up.

Precipitation averaged above normal, and was distributed in several periods of moderately heavy to excessive rains. The dry, cold, and windy weather that prevailed between these rains was very unfavorable for handling tobacco; also the freezing, thawing, and heavy rains caused the dirt roads to become practically impassable, which greatly hindered deliveries. The heaviest rainfall occurred early in the month, when streams were already full, resulting in floods that covered low bottoms and damaged grains and grass. Some fodder and corn were washed away. These floods subsided very slowly in the western district. Live stock suffered from the sharp changes in temperature; but there was little loss, largely because of the absence of snow. The month ended with a few days of unseasonably mild temperature and a complete thaw.

TEMPERATURE.

The average temperature for the month, 43 stations reporting, was 31.3°, which is 4.2° below normal, and the coldest since January, 1918. Minimum temperatures ranging from zero to 8° below occurred generally over the State on the 5th and 6th. Temperatures slightly above zero were registered on the 21st, and from 5° to 10° above zero on the 14th, 20th and 22d. The unseasonable cold was broken by temperatures above normal in the short periods, 8-10th, 19th, 23d-24th, and 28th-31st. The maximum for the State was 66° at Middlesboro on the 1st and at Sergent on the 10th; while the minimum was −8° at Lone Oak, near Paducah, on the 5th, and at St. John and Junction City on the 6th.

PRECIPITATION.

The average precipitation for the State, based on the reports from 68 stations, was 5.05 inches, which is 0.67 inch above normal. The areal distribution was fairly regular, but in general there was an increase from about 4.0 inches in the district along the Ohio River to nearly 7.0 inches in the upper basins of the Green and Cumberland. Between 3.0 and 4.0 inches occurred in the extreme western and extreme eastern counties. Rains were moderate to heavy in the periods, 1st-3d, 10-11th, 16th, 24-25th, and 30th. For the State, amounts ranged between 3.36 inches at Sergent and 6.96 inches at Glasgow. Snowfalls ranging from a trace to 3.5 inches were reported on the 13th, and flurries on several other dates.

MISCELLANEOUS.

Rivers.—The Ohio again passed flood stage at Evansville on the 2d. Flood stages were reached at all stations from Catlettsburg to Cloverport on the 4th or 5th; and crests ranging from

(Continued on next page.)

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.26	31.00	5	29.46	16	7103	9.5	34	n.	19
Cincinnati ..... Ohio	30.25	30.88	6	29.40	10	6725	9.0	32	sw.	11
Evansville ..... Ind.	30.27	30.97	5	29.47	16	8922	12.0	38	sw.	22
Lexington ..... Ky.	30.27	30.90	5	29.50	16	11375	15.3	42	w.	11
Louisville ..... Ky.	30.28	30.98	6	29.43	10	9175	12.3	38	nw	25

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	76	62	67	194.0	308.4	63	14	7
Cincinnati ..... Ohio.	48	69	84	157.6	303.4	52	11	11
Evansville ..... Ind.	72	61	67	169.5	305.9	55	12	8
Lexington ..... Ky.	83	76	.....	136.2	305.9	44	9	13
Louisville ..... Ky.	72	60	66	165.0	305.9	42	12	8

COMPARATIVE DATA FOR JANUARY.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more.
1889	38.0	+2.8	65	13	3.52	−0.87	..
1890	41.0	+5.8	77	10	6.43	+2.04	..
1891	37.0	+1.8	68	14	5.40	+1.01	..
1892	29.0	−6.2	65	− 6	2.72	−1.67	..
1893	26.0	−9.2	67	−22	2.08	−2.31	..
1894	38.0	+2.8	78	−12	2.91	−1.48	..
1895	30.0	−5.2	78	−16	5.71	+1.32	11
1896	36.1	+0.9	74	− 3	1.25	−3.14	6
1897	32.0	−3.2	75	−16	3.25	−1.14	8
1898	40.4	+5.2	72	6	8.76	+4.37	12
1899	34.4	−0.8	68	−18	6.23	+1.84	11
1900	37.2	+2.0	77	− 8	2.80	−1.59	8
1901	36.7	+1.5	75	4	1.85	−2.54	7
1902	33.7	−1.5	70	5	5.14	+0.75	7
1903	34.8	−0.4	82	− 9	2.50	−1.89	9
1904	32.3	−2.9	70	− 9	3.17	−1.22	10
1905	27.5	−7.7	70	−15	2.83	−1.56	11
1906	39.7	+4.5	80	− 9	3.48	−0.91	8
1907	43.2	+8.0	83	−11	8.02	+3.63	14
1908	35.0	−0.2	62	− 7	2.20	−2.19	8
1909	38.3	+3.1	77	− 8	3.47	−0.92	9
1910	33.8	−1.4	70	−20	4.41	+0.02	10
1911	39.7	+4.5	73	−16	2.88	−1.51	11
1912	35.9	−0.3	64	−20	3.09	−1.30	8
1913	42.5	+7.3	76	13	11.41	+7.02	14
1914	39.4	+4.2	79	5	2.31	−2.08	6
1915	33.0	−2.2	65	0	5.03	+0.64	13
1916	41.2	+6.0	78	− 5	7.27	+2.88	14
1917	36.7	+1.5	74	−17	6.38	+1.99	12
1918	20.6	−14.6	62	−20	5.09	+0.70	14
1919	37.9	+2.7	68	− 1	3.62	−0.77	7
1920	33.4	−1.8	72	− 6	6.75	+2.36	10
1921	39.7	+4.5	71	12	3.06	−1.33	10
1922	34.6	−0.6	67	1	2.25	−2.14	8
1923	41.0	+5.8	68	11	6.11	+1.72	12
1924	31.3	−4.2	66	− 8	5.05	+0.67	9

Climatological Data for January, 1924.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.
Western Division.																			
Beaver Dam	Ohio	441	20	32.0	−3.6	60	28†	−5	5	44	5.00	+0.73	1.40	3.0	8	18	5	8	n.
Blandville	Ballard	445	42	29.6	−4.4	58	31	−5	5	27	3.79	−0.64	1.16	1.2	11	13	5	13	sw.
Calhoun	McLean	437	20	30.5	−5.8	54	9†	−3	5	33	4.19	−0.69	1.24	1.5	10	9	13	9	nw.
Earlington	Hopkins	420	33	31.8	−3.5	59	19	−3	5†	32	5.19	+0.71	2.02	1.5	10	16	3	12	n.
Greenville	Muhlenburg	519	7	*32.2	.....	59[a]	29†	−5[a]	5†	42[b]	4.57	.....	1.35	1.3	9	21[a]	0[a]	9[a]	s.
Henderson	Henderson	382	15	.....	.....	.....	.....	.....	.....	.....	3.43	+0.07	0.85	2.0	9	.....	.....	.....	.....
Hopkinsville	Christian	524	27	32.3	−5.7	59	28	−3	6	33	4.73	−0.40	1.42	3.5	10	5	8	18	se.
Marion	Crittenden	571	25	31.8	−4.2	58	31	−5	5	45	3.88	−0.92	1.13	2.0	8	13	7	11	nw.
Mayfield	Graves	364	11	32.0	−3.6	59	30	−2	6	34	4.18	+0.21	1.70	T.	6	19	4	8	sw.
Owensboro	Daviess	479	27	29.4	−6.1	55	9†	−7	5	32	3.48	−1.03	1.13	2.5	12	14	4	13	s.
Paducah[1]	McCracken	516	6	33.0	.....	61	30	−8	5	39	4.75	.....	1.75	2.0	8	16	4	11	n.
Paducah[2]	McCracken	341	35	.....	.....	.....	.....	.....	.....	.....	4.05	−0.58	0.96	2.2	7	.....	.....	.....	.....
Paducah	McCracken	529	13	31.6	−4.0	58	10†	−2	5†	35	4.73	+0.48	1.72	2.0	12	13	7	11	s.
Princeton	Caldwell	344	0	.....	.....	.....	.....	.....	.....	.....	5.05	.....	1.55	0.1	7	.....	.....	.....	.....
Rumsey, Lock 2 ‡	McLean	390	11	30.8	−4.5	58[c]	9†	−4[b]	6	36[a]	5.97	+0.28	2.92	3.5	7	14[b]	1[b]	14[b]	s.
Russellville	Logan																		
Central Division.																			
Anchorage	Jefferson	700	23	27.6	−5.4	58	9†	−6	5†	38	4.41	+0.33	1.64	1.0	7	16	3	12	nw.
Bardstown	Nelson	637	27	31.1	−4.8	58	9	−5	6	34	3.88	−0.95	1.08	2.0	9	15	3	13	s.
Bowling Green	Warren	500	33	33.0	−3.6	59	29†	−3	6	35	5.90	+1.26	1.65	3.0	8	18	0	13	w.
Brownsville, Lock 6 ‡	Edmonson	410	6	.....	.....	.....	.....	.....	.....	.....	6.31	.....	2.47	2.0	7	.....	.....	.....	.....
Burnside	Pulaski	773	31	.....	.....	.....	.....	.....	.....	.....	6.87	+2.32	3.22	T.	8	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	422	24	.....	.....	.....	.....	.....	.....	.....	4.55	+0.91	1.62	.....	13	.....	.....	.....	.....
Cloverport	Breckenridge	375	10	.....	.....	.....	.....	.....	.....	.....	4.36	+0.22	1.34	1.4	9	.....	.....	.....	.....
Dix Dam, Burgin	Mercer	770	0	32.0	.....	60	29	−3	6	38	5.49	.....	1.97	0.6	10	16	7	8	nw.
Eubank	Pulaski	1177	29	31.8	+3.2	59	9	−7	6	35	6.83	+2.86	3.35	T.	8	13	8	10	sw.
Frankfort	Franklin	560	30	30.8	−5.2	56	29	−3	6	42	4.64	+0.51	1.74	1.2	10	14	2	15	w.
Franklin	Simpson	691	28	33.6	−5.0	61	29	−4	6	38	.....	.....	2.50	0.3	.....	13	5	13	s.
Gest, Lock 3	Henry	449	11	.....	.....	.....	.....	.....	.....	.....	4.57	+0.05	1.50	1.0	9	.....	.....	.....	.....
Glasgow	Barren	780	2	33.8	.....	59	29†	−5	6	37	6.96	.....	2.60	2.0	8	18	2	11	n.
Greensburg	Green	581	31	32.4	−2.3	59	9†	−4	6	38	6.64	+2.13	2.20	1.0	10	15	1	15	se.
High Bridge, Lock 7	Jessamine	550	21	.....	.....	.....	.....	.....	.....	.....	5.64	+1.25	2.57	1.0	8	.....	.....	.....	.....
Irvington	Breckenridge	646	26	31.1	−5.1	57	29	−5	5	31	4.52	+0.10	1.88	2.0	7	13	5	13	sw.
Junction City	Boyle	985	30	30.6	−4.5	65	10	−8	6	39	6.92	+1.93	2.17	0.5	10	19	7	5	se.
Leitchfield	Grayson	635	28	31.0	−4.1	58	9†	−4	6	32	5.28	+0.76	1.69	1.5	9	13	11	7	sw.
Lexington	Fayette	989	36	29.5	−3.5	56	29	−6	6	27	5.00	+1.17	2.14	0.7	11	10	8	13	sw.
Little Hickman, Lock 8[d]	Jessamine	523	12	.....	.....	.....	.....	.....	.....	.....	5.43	+0.19	2.47	1.0	8	.....	.....	.....	.....
Lockport, Lock 2	Henry	436	12	.....	.....	.....	.....	.....	.....	.....	4.25	−0.84	1.42	1.5	10	.....	.....	.....	.....
Louisville	Jefferson	525	51	29.0	−5.4	56	9	−7	5	31	4.65	+0.75	1.98	1.0	11	9	10	12	s.
Do. (Cherokee Park)	Do.	534	14	30.4	−4.2	56	29	−6	5	45	4.89	+0.39	.....	1.2	11	14	8	9	s.
Pilcher (Dam 43)	Meade	363	1	.....	.....	.....	.....	.....	.....	.....	3.59	.....	1.57	1.0	6	.....	.....	.....	.....
St. John	Hardin	777	27	28.2	−5.9	56	9†	−8	6	34	.....	.....	.....	3.0	.....	22	3	6	.....
Salvisa, Lock 6[d]	Mercer	490	9	.....	.....	.....	.....	.....	.....	.....	5.72	+1.22	2.60	.....	6	.....	.....	.....	.....
Scott[4]	Kenton	900	26	27.0	−6.1	51	9	−6	5†	41	4.38	+0.29	1.38	2.0	11	10	11	10	s.
Shelbyville	Shelby	825	34	29.2	−4.1	56	28	−6	6	36	5.05	+0.79	1.87	1.5	13	15	4	12	s.
Taylorsville	Spencer	489	21	30.0	−4.2	58	11	−3	5†	37	5.02	+0.56	1.22	1.2	10	15	2	14	sw.
Tyrone, Lock 5[d]	Anderson	476	5	.....	.....	.....	.....	.....	.....	.....	4.88	.....	1.88	1.5	8	.....	.....	.....	.....
Williamstown	Grant	948	20	28.0	−4.4	55	29	−7	5†	38	4.96	+1.33	1.25	1.4	12	12	12	7	w.
Woodbury, Lock 4 ‡	Butler	533	6	.....	.....	.....	.....	.....	.....	.....	4.87	.....	1.65	0.3	11	.....	.....	.....	.....
Eastern Division.																			
Ashland	Boyd	534	5	32.1	.....	56	10†	0	5	34	5.57	.....	2.30	0.2	9	16	0	15	ne.
Beattyville	Lee	650	19	32.8	−2.1	63	9†	−3	6	46	6.07	+1.33	2.95	T.	9	10	5	16	w.
Berea	Madison	1070	20	32.5	−3.9	59	9†	−5	6	38	6.25	+1.50	2.87	1.0	11	13	7	11	sw.
College Hill, Lock 11	Madison	576	11	.....	.....	.....	.....	.....	.....	.....	6.41	+1.32	3.30	1.4	11	.....	.....	.....	.....
Cynthiana	Harrison	684	6	.....	.....	.....	.....	.....	.....	.....	4.85	.....	1.74	1.0	8	.....	.....	.....	.....
Falmouth	Pendleton	600	35	.....	.....	.....	.....	.....	.....	.....	4.63	+0.93	1.38	1.0	9	10	6	15	se.
Farmers	Rowan	668	14	*32.6	−2.8	62[a]	29	−4[a]	6	42[b]	.....	.....	3.03	T.	.....	11	9	11	se.
Ford, Lock 10[d]	Clark	559	6	.....	.....	.....	.....	.....	.....	.....	5.70	+0.93	2.48	T.	9	.....	.....	.....	.....
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heidelberg, Lock 14	Lee	629	5	.....	.....	.....	.....	.....	.....	.....	6.54	.....	3.25	.....	6	.....	.....	.....	.....
Jackson	Breathitt	776	1	33.5	.....	64	10†	−4	6	42	5.72	+1.96	2.33	T.	7	14	4	13	sw.
Louisa	Lawrence	584	17	.....	.....	.....	.....	.....	.....	.....	5.36	+1.65	2.48	.....	7	.....	.....	.....	.....
Maysville	Mason	524	26	29.8	−3.3	55	9	−4	6	33	4.76	+0.60	1.78	T.	8	21	0	10	w.
Middlesboro	Bell	1128	26	32.7	−5.1	66	1	−4	6	44	6.01	+1.33	2.36	0.0	7	22	4	5	.....
Mount Sterling	Montgomery	930	34	30.2	−3.4	57	9†	−2	5	35	6.19	+1.47	2.69	T.	6	11	9	11	w.
Oliver, Dam 30	Greenup	540	4	.....	.....	.....	.....	.....	.....	.....	5.19	.....	2.62	.....	7	.....	.....	.....	.....
Onconta, Dam 35	Campbell	443	2	.....	.....	.....	.....	.....	.....	.....	3.95	.....	1.09	T.	9	.....	.....	.....	.....
Pikeville	Pike	634	18	.....	.....	.....	.....	.....	.....	.....	3.62	−0.51	1.12	T.	9	.....	.....	.....	.....
Ravenna, Lock 12	Estill	593	3	.....	.....	.....	.....	.....	.....	.....	4.99	.....	2.70	.....	7	.....	.....	.....	.....
Richmond	Madison	926	29	32.6	−1.7	58	9†	−4	6	32	3.38	−1.13	1.02	0.5	8	15	2	14	.....
Sergent	Letcher	1235	1	34.8	.....	66	10	−4	6	47	3.36	.....	1.05	0.0	7	16	2	13	sw.
Valley View, Lock 9	Madison	541	8	.....	.....	.....	.....	.....	.....	.....	4.19	+0.82	1.78	2.7	10	.....	.....	.....	.....
Vanceburg, Dam 32	Lewis	525	7	.....	.....	.....	.....	.....	.....	.....	5.29	.....	2.31	1.0	7	.....	.....	.....	.....
Williamsburg	Whitley	939	26	34.5	−4.1	62	31	−4	6	40	5.66	+1.63	1.23	0.0	7	23	6	2	.....
Willow Lock 13	Lee	611	2	.....	.....	.....	.....	.....	.....	.....	6.08	.....	3.00	.....	6	.....	.....	.....	.....
State averages and extremes				31.3	.....	66	1†	−8	5†	47	5.05	.....	3.35	1.2	9	15	5	11	sw.

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days, etc. T Precipitation is less than 0.01 inch rain or melted snow §1 one Oak.
* Also on other dates. ** Received too late to be included in means and summaries.
[1] Post-office addresses: – Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8 Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

three feet above flood stage in the upper river to more than eight feet above at Evansville in the period 6-9th. Crests slightly exceeding flood height occurred in the Kentucky and the upper sections of the Licking and Cumberland on the 4th. The Green was above flood stage in the upper course from the 3d to 10th and in the lower from the 4th to 23d.

Daily Precipitation for January, 1924

Stations	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Western Division.																																
Beaver Dam G		.50	.75		T.					1.40	.15		.30			.90								.60					.40		5.00
Blandville M		.15	.71	T.						1.16		.12		.25	.12	.67	T.		T.					.35			.06	.16		.04	3.59
Calhoun G	T.	.18	.82		T.	T.				1.24	.31	T.	.06			.69	T.	T.		T.				.56	.05			.04	.24		4.19
Earlington G		.32	.84	T.						2.02	.06	T.	.20			.87			T.	.10				.51	.06			T.	.21		4.19
Greenville G		.45	.76							1.35	.20		.17			.65				.03				.60				T.	.36		4.57
Henderson O	.20	T.	.10							.50	.81		.16			.85			.06	T.					.40				.35		3.43
Hopkinsville G		.73	.85		T.					1.42	.02		.34			.54				T.				.57	.03			.01	.22		4.73
Marion O		.30	.53	T.						1.13	.40	T.	.10			.90				T.				.39				13			3.88
Mayfield M		.50	.60							1.70		T.				.99	T.		T.					.34	.05		T.	T.			4.18
Owensboro O	T.	.20	.73		T.					1.13	.07	T.	.05			.62	T.		.02	.05				.43	.02			.06	.10	T.	3.48
Paducah (near) ¶ O		.10	.80							1.75		.20				1.05	T.	.25						.40					.20		4.75
Paducah G			.95		T.					.60	.96		.22			.83								T.	.36			T.	.13		4.05
Princeton G		.81	.35		T.					1.72	.63	.20			.85	T.	T.		.05					.39	.05		T.	.07	.20	.01	4.78
Rumsey, Lock No. 2 G			1.35							.40	1.55		.15			.80									.55				.25		5.05
Russellville G			2.92								1.24		.16			.70								.03	.61				.31		5.97
Central Division.																																
Anchorage O		.39	.77		T.	T.				1.64	T.	T.	.10			.97				T.				.20	T.			T.	.34	T.	4.41
Bardstown S		.80								.98	.16		.09			1.08				.03				.43	.05				.26		3.88
Bowling Green G		.30	1.65		.02					T.	1.25		.21			1.05				T.				T.	.85				.57		5.90
Brownsville, Lock No. 6 G	T.		2.47								1.45		.20			1.03	.06			T.					.71				.39		6.31
Burnside C	.10	.12	3.22		T.						1.00		T.			1.28	.07			T.					.64	.07			.37		6.87
Carrollton (Lock No. 1) K	.17		1.05		.03					.02	1.62		.12			.86	.14		.06	.03				.18				.03	.24		4.55
Cloverport G	.26	T.	.86		T.					.30	1.34		.12			.69	.04		T.					.38				T.	.37		4.36
Dix Dam, Burgin K	T.	.45	1.97	T.			T.	T.		.18	.59		.02	T.		1.01				T.				.69	.06		.01		.51	T.	5.49
Eubank C	.10	.10	3.35		T.						.80		T.	T		1.41	.10			T.					.85				.12		6.83
Frankfort K	.08	T.	1.74		.02						.95	T.	.10			.86	.10			.05					.36				.38		4.64
Franklin G		2.50								1.00			.03												.07				.35		
Gest, Lock No. 3 K	.10		1.50		T.						1.10		.10			.84	.11			.06					.96			T.	.40		4.57
Glasgow G		1.12	2.60							.70	.40		.02			.75								.77					.60		6.96
Greensburg G		.81	2.20		T.					.26	.73		.12			.97				.03				.80	.20				.52		6.64
High Bridge, Lock No. 7 K	.06		2.57								.81			.10		.80	.06								.72				.52		5.64
Irvington O	T.	.50	.57		T.					1.88		T.	.15			.71	T.			T.				.43					.28	T.	4.52
Junction City K	T.	.91	2.17			T.				.50	.60	.10	.10			1.40		.01						.90				T.	.23		6.92
Leitchfield G		.82	.72							1.69			.10			.94				.06				.45	.08			T.	.42	T.	5.28
Lexington *** K	T.	1.36	.78		T.					.79	T.		.06		.09	.84	T.		T.					.49	.03			.43	.12	.01	5.00
Little Hickman, Lock No. 8 K	.10		2.47								.70		.10			.82	.12								.76					.36		5.43
Lockport, Lock No. 2 K	.11		1.42		.01					T.	1.12		.08			.78	.07		T.	.04					.82				T.	.30		4.25
LOUISVILLE*** O	T.	.58	.48	T.						1.98	T.	.06			.30	.70	T.	.02	.01				.21	.02		T.	.29		T.	4.65
Do. (Cherokee Park) O	T.	*	1.10		T.					*	1.92	T.	.10			1.03	T.	T.	.05	.02			.23	.07			T.	.37		4.89
Pilcher (Dam 43 ‖ O			1.05							T.	1.57		.10			.89	.15	T.						.44					.38		3.59
St. John S		.10			T.					1.48			.17			.90				T.				.43	*			T.	.40	T.	
Salvisa, Lock No 6 K	.10		2.60							1.10			.07			1.20									.65						5.72
Scott L	T.	.02	1.03		T.					1.38	.31	.05	.06			.83	T.			.06				.23	.07			T.	.34	T.	4.38
Shelbyville S	.15	.60	.02		T.					1.87	.05		.34			.94	T.		.05	.10				.34	.03			.04	.52		5.05
Taylorsville S	T.	.43	1.22		T.					.88	.40		.08			1.11		T.	.02					.33	.09			T.	.46		5.02
Tyrone, Lock No. 5 K	.15		1.88		T.						.92		.15			.92									.42	.04			.40		4.88
Williamstown L		.16	1.25							.81	.80	.01	.10			1.04			.03	.02				.20	.19				.35		4.96
Woodbury, Lock No. 4 G	.06	.02	1.65		T.					.04	1.08		.03			.91	.04			.05					.61			T.	.38		4.87
Eastern Division.																																
Ashland O	.25		2.30	.15	.05					1.32						.60	.20			T.				.50					.20		5.57
Beattyville K	.26	.04	2.95	T.	T.						1.17	T.	T.	.02		.85	T.			.08				.52	T.				.18		6.07
Berea K	T.	1.16	1.79		.01					.36	.75		.07			1.07	T.		T.	.03			.67	.14				.20		6.25
College Hill, Lock No. 11 K	.04		3.30		.05						.90		.05			.75	.10		.03					.90	T.				.20	.09	6.41
Cynthiana L	.18		1.74							1.18			.10			.90	.15							.20					.40		4.85
Falmouth L	.20		1.38		T.					1.36	T.		.09			.90	.10			.05				.30				T.	.25		4.63
Farmers ‖ L	.08		3.03			T.																										
Ford, Lock No. 10 ‖ K	.06		2.48	T.	T.								T.			.63	T.							.83					.35		6.54
Harlan K										.94	T.	.02	T.			.79	.16	T.		T.				.79	T				.32	.14	5.70
Heidelberg, Lock No. 14 K	.31		3.25																													
Jackson K	.11		2.33		T.					1.32						.99	.07							.60							5.72
Louisa B	.20	T.	2.48							1.56						.83		T.						.60					.15	.14	5.36
Maysville O	.15		1.78							1.20	T.	.10				.65	.15		T.					.35		T.		38			4.76
Middlesboro C	.20	1.28								2.36					1.36								.50	.13				.18		6.01
Mount Sterling L	T.	1.13	2.09		T.					.67	.60					1.00	T.		T.					.70	T.						6.19
Oliver Dam 30 ‖ O			2.62	T.	.03					1.28						.56	.05							.43					.22		5.19
Oneonta Dam 35 ‖ O	.18		1.02							1.09	T.	.08				.65	.18		.03	T.				.36			T.	.36		3.95
Pikeville ‖ B	.64	.16	1.12	.26	T.					.82						.16	.06							.28					.12		3.62
Ravenna, Lock No. 12 K	.20		2.70	T.	T.					1.05		.15	T.			.32	T.	T.		T.				.42	T.				.15		4.99
Richmond K		.42			T.					.10	.74		.04			1.02				T.					.37				.21		3.38
Valley View, Lock No. 9 K		.55	.55	T.						1.05						.72	T.			T.			.55	.30				.21		3.36
Vanceburg, Dam No. 32 O		T.	1.78		.05					.62	.01	.02	.02			.90	.07						.20	.07				.22		4.19
Williamsburg ‖ O			2.31							1.37		.10				.80	.09							.70	.02						5.29
Willow, Lock No. 13 K	.13	T.	3.00							1.12	T.					1.03	.09							.51					.11		5.66
										1.55						.85	.05						T.	.50							6.08

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for January, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.																																	
Beaver Dam	Maximum	37	35	42	37	30	20	43	45	58	56	50	50	37	39	38	44	36	44	59	54	25	44	54	43	38	30	42	60	60	60	57	44.1
	Minimum	15	16	22	20	5	3	16	18	19	45	29	26	17	8	15	33	21	19	36	10	7	16	24	28	21	8	14	27	29	40	31	19.9
Blandville	Maximum	25	33	33	30	20	23	41	53	54	49	39	35	30	34	38	37	33	42	45	23	24	40	48	39	37	27	45	53	48	57	58	38.5
	Minimum	12	21	22	17	5	2	16	26	36	29	26	25	10	13	21	31	17	18	21	10	7	17	25	33	18	12	19	33	41	37	35	20.7
Calhoun	Maximum	30	34	34	32	28	20	37	47	54	50	48	42	34	32	39	42	35	39	51	44	19	40	49	45	37	25	39	51	54	52	54	39.9
	Minimum	15	22	27	19	3	1	18	21	29	46	29	26	14	12	17	35	22	20	36	11	9	15	28	30	28	10	16	27	37	40	29	21.9
Earlington	Maximum	28	34	34	32	28	19	38	52	55	52	49	45	34	35	41	42	35	42	59	42	20	40	50	28	30	25	40	56	54	56	56	40.9
	Minimum	15	21	24	19	3	3	18	22	37	47	29	27	22	9	15	35	22	20	39	10	7	11	30	29	22	10	14	33	45	42	33	22.6
Greenville	Maximum	48	37	39	35	35	20	41	53	57	53	51	49	38	36	40	44	37	43	57	52	23	41	49	49	42	27	57	59	58	59	*44.3
	Minimum	15	21	26	17	5	5	16	18	32	45	27	24	13	5	12	33	22	19	37	10	4	9	28	28	23	7	12	41	41	33	*20.2
Hopkinsville	Maximum	34	41	46	36	31	20	40	53	56	53	49	47	37	36	38	43	37	46	56	44	25	43	50	43	39	27	43	59	54	58	58	43.3
	Minimum	15	26	27	19	1	3	11	21	30	42	28	25	12	6	16	32	23	22	35	12	5	11	28	30	17	7	15	22	34	37	30	20.0
Marion	Maximum	36	34	36	36	29	16	37	44	54	56	49	30	39	32	37	41	35	35	57	54	31	38	48	49	38	32	38	48	54	52	58	41.3
	Minimum	14	20	24	17	5	3	15	27	36	45	27	26	10	11	22	34	20	18	35	9	6	15	28	32	29	9	17	34	43	40	38	22.3
Mayfield	Maximum	30	30	35	33	29	22	40	52	54	52	39	43	32	38	38	41	36	45	44	44	24	40	47	43	40	30	43	52	50	59	58	40.7
	Minimum	21	22	23	19	1	2	19	25	34	38	28	27	20	13	20	34	21	21	26	10	11	18	28	35	28	19	19	38	40	40	37	23.4
Owensboro	Maximum	30	35	36	32	26	17	38	44	55	50	47	41	31	33	40	40	29	38	54	40	17	40	47	56	38	22	38	52	51	55	52	38.8
	Minimum	13	21	22	19	7	3	16	31	32	44	28	30	14	8	16	28	20	17	28	8	5	11	28	30	17	7	15	22	34	37	30	20.0
Paducah (near)	Maximum	41	36	39	36	31	25	44	54	55	50	46	42	38	38	39	45	39	44	56	37	26	43	50	44	42	30	44	54	52	61	60	43.3
	Minimum	13	22	25	19	8	1	17	26	36	42	28	27	11	10	19	34	20	19	33	11	9	18	29	37	26	13	20	33	40	38	38	22.7
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	29	35	36	33	28	21	39	53	56	58	48	44	33	35	38	41	35	43	58	46	23	42	49	43	38	26	42	56	51	57	57	41.7
	Minimum	15	21	27	19	2	2	16	20	30	42	28	27	10	10	19	35	23	21	36	11	7	15	24	30	24	10	16	27	38	41	30	21.5
Russellville§§	Maximum	..	..	..	18	1	4	..	24	24	40	29	24	20	6	12	27	25	16	27	14	6	6	25	25	33	9	9	22	29	38	32	*41.7
	Minimum	16	22	..	18	1	4	..	24	24	40	29	24	20	6	12	27	25	16	27	14	6	6	25	25	33	9	9	22	29	38	32	*19.8
Central Division.																																	
Anchorage	Maximum	26	39	42	35	21	18	38	52	58	52	48	44	33	34	39	44	34	36	55	38	16	40	49	35	36	21	31	57	58	49	53	39.7
	Minimum	13	18	19	15	6	6	13	15	24	35	27	20	10	3	9	31	16	14	33	4	1	2	20	23	13	3	7	19	36	28	24	15.6
Bardstown	Maximum	24	37	45	33	30	18	37	53	58	54	50	47	40	40	38	45	37	40	56	46	20	40	48	40	38	24	34	57	57	52	55	41.7
	Minimum	16	21	28	18	2	5	15	20	33	44	29	26	14	7	12	33	25	22	33	12	2	8	28	29	20	6	11	25	37	42	28	20.5
Bowling Green	Maximum	38	43	47	38	31	24	40	55	58	55	50	50	43	38	38	45	37	44	52	48	24	43	49	41	39	27	40	58	59	58	59	44.4
	Minimum	17	23	28	20	0	3	15	20	30	43	29	25	22	10	14	33	25	20	32	13	6	11	24	30	26	9	14	25	39	43	31	21.7
Dix Dam	Maximum	43	38	43	35	31	21	36	51	57	57	56	46	40	37	38	47	40	41	54	48	17	40	50	39	40	25	32	57	60	53	55	42.8
	Minimum	18	22	28	20	0	3	16	18	30	39	29	30	24	14	16	35	26	25	28	13	3	9	28	29	24	25	7	11	19	36	41	21.3
Eubank	Maximum	47	40	52	42	24	20	36	49	59	57	56	44	42	35	39	48	38	44	54	50	20	39	47	44	40	20	30	55	48	52	53	42.8
	Minimum	17	22	28	20	1	7	13	16	30	43	28	26	23	11	16	34	26	24	29	15	1	8	29	27	26	7	18	21	28	43	28	20.9
Frankfort	Maximum	42	37	44	33	33	18	34	47	55	55	55	43	41	32	39	47	39	35	54	53	14	39	46	42	38	23	30	54	56	53	52	41.4
	Minimum	17	22	28	19	2	3	16	18	24	32	30	30	20	11	13	34	25	23	30	11	3	9	27	25	22	7	11	20	34	42	27	20.2
Franklin	Maximum	40	43	50	37	34	21	41	53	55	58	50	50	43	39	45	49	39	45	58	49	24	42	54	42	42	27	40	56	61	53	57	44.5
	Minimum	16	24	28	21	0	4	16	25	35	40	28	27	21	11	20	35	25	21	35	12	6	15	25	23	24	10	19	31	39	42	36	22.8
Glasgow	Maximum	41	43	49	39	33	24	38	52	58	57	51	47	42	37	38	41	37	45	51	50	20	40	48	38	41	36	40	58	59	58	58	44.5
	Minimum	17	24	28	21	0	5	10	26	36	45	29	27	23	12	19	36	27	19	33	13	3	11	28	33	21	9	17	34	43	42	35	23.0
Greensburg	Maximum	41	41	49	38	33	21	38	52	59	57	54	47	41	36	38	47	38	44	52	51	21	41	48	45	42	27	38	58	59	54	59	44.2
	Minimum	18	23	29	20	0	4	7	16	25	37	29	24	24	12	15	34	27	24	29	13	5	7	28	26	25	9	12	20	35	43	26	20.6
Irvington	Maximum	25	42	44	34	25	19	37	50	55	52	49	43	34	33	39	43	35	38	56	40	18	39	47	37	36	22	36	54	57	52	55	40.2
	Minimum	16	22	24	19	5	3	16	25	37	47	29	27	19	11	19	35	22	20	35	9	5	11	28	31	16	7	14	30	44	40	32	22.0
Junction City	Maximum	40	43	53	45	34	15	38	53	59	65	52	45	37	36	39	49	37	42	54	52	50	37	44	41	38	43	30	55	57	61	56	43.8
	Minimum	13	20	20	14	5	8	12	14	32	37	22	23	20	8	11	31	23	19	32	8	3	11	28	33	21	9	13	31	47	42	35	17.5
Leitchfield	Maximum	28	38	40	35	20	19	39	52	58	53	48	50	38	36	38	43	32	40	54	40	20	40	48	40	35	26	40	57	58	55	55	41.2
	Minimum	15	22	27	19	2	4	15	21	32	48	28	25	20	8	14	32	22	19	34	10	4	8	23	29	19	7	12	34	40	40	28	20.9
Lexington	Maximum	21	47	48	31	18	16	32	48	56	54	37	43	32	34	39	47	32	36	52	29	12	37	45	41	36	18	30	55	56	47	52	38.0
	Minimum	15	20	22	18	5	6	15	27	37	37	27	29	19	17	25	32	22	24	29	2	0	10	28	34	9	4	15	28	41	40	36	21.0
Louisville	Maximum	24	41	37	31	13	17	36	50	56	51	32	42	30	33	39	43	30	36	54	23	15	38	47	38	38	22	31	55	55	49	51	39.9
	Minimum	14	22	22	13	7	4	17	26	40	32	28	29	18	17	20	36	20	19	33	10	4	6	25	25	21	7	11	20	34	41	26	19.2
Do. (Cherokee Park)	Maximum	36	34	40	32	32	20	35	48	55	53	51	41	35	37	43	38	35	45	59	52	50	45	53	46	43	35	20	26	51	55	54	40.9
	Minimum	15	19	26	17	6	4	14	21	31	41	28	26	16	9	12	33	22	19	32	8	3	10	28	26	20	5	11	24	35	40	28	19.8
St. John	Maximum	29	34	34	24	16	37	50	56	53	31	44	33	35	37	43	34	39	54	31	21	40	46	36	36	25	35	55	56	54	56	56	40.9
	Minimum	14	20	15	12	5	8	15	18	30	29	27	24	12	5	12	32	21	17	22	6	2	6	28	15	5	10	24	36	39	27	17.3
Scott	Maximum	11	20	15	12	5	8	15	18	30	29	27	24	12	5	12	32	21	17	22	6	2	6	28	15	5	10	24	36	39	27	17.3
	Minimum	35	33	38	27	25	15	33	44	51	48	48	35	35	30	36	45	35	29	45	45	4	3	0	27	25	16	2	2	22	37	38	28	18.1
Shelbyville	Maximum	16	18	24	15	6	6	13	20	34	34	27	27	16	13	14	34	22	18	29	4	3	0	27	25	16	2	2	22	37	38	28	18.1
	Minimum	25	43	43	34	27	20	37	48	55	52	50	43	36	33	39	43	34	35	52	45	17	39	47	36	37	24	31	56	55	49	51	39.9
Taylorsville	Maximum	15	19	21	11	4	6	14	21	31	41	27	26	16	6	15	32	21	19	32	9	1	6	24	27	18	4	9	22	38	34	29	18.6
	Minimum	38	36	42	33	32	18	35	47	54	53	58	43	42	31	38	45	38	37	53	47	16	38	45	40	37	24	32	55	56	50	53	40.9
Williamstown	Maximum	16	20	28	19	3	3	15	16	22	31	30	28	18	6	10	34	26	26	29	10	4	6	25	25	21	7	11	20	34	41	26	19.2
	Minimum	34	33	42	30	28	14	33	47	54	50	50	46	37	33	41	46	36	29	50	45	9	36	44	43	35	20	26	51	55	50	49	38.4
	Maximum	14	17	24	14	7	7	11	20	33	39	27	26	15	12	16	26	22	15	25	7	1	3	26	25	19	2	7	20	35	39	28	17.7
Eastern Division.																																	
Ashland	Maximum	53	44	44	33	33	20	35	45	54	56	56	42	43	33	41	46	45	37	50	49	16	39	47	47	37	34	31	48	55	50	42.5
	Minimum	23	23	29	20	0	2	6	20	25	30	33	31	27	16	12	36	35	29	27	16	3	5	30	24	24	9	11	19	33	38	28	21.7
Beattyville	Maximum	55	34	56	44	40	22	40	53	63	63	57	51	44	39	42	49	39	42	53	50	16	40	48	37	41	32	31	58	62	57	59	46.8
	Minimum	21	24	30	20	1	3	13	14	18	26	22	31	12	13	12	32	29	24	25	13	3	2	18	23	30	9	7	12	28	38	24	18.7
Berea	Maximum	41	54	50	37	29	19	36	51	56	59	53	46	35	34	41	49	37	46	59	52	50	16	40	48	37	41	25	31	54	50	53	43.0
	Minimum	18	21	28	20	0	5	15	22	35	44	29	27	23	12	16	37	26	25	30	12	1	5	29	27	25	7	11	25	42	43	32	22.0
Farmers	Maximum	55	39	..	49	40	19	38	40	52	59	57	46	43	37	42	48	45	42	60	51	16	40	51	46	44	41	33	55	62	55	53	*45.4
	Minimum	23	23	..	25	2	4	5	3	21	28	29	30	23	11	13	34	30	25	25	14	9	2	30	22	30	6	7	14	21	37	23	*18.6
Harlan	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Jackson	Maximum	62	35	56	41	38	22	38	51	62	64	64	48	40	41	40	52	50	49	51	47	26	42	49	43	43	34	30	56	59	50	57	46.3
	Minimum	21	24	30	23	1	4	14	16	26	26	31	31	28	11	11	33	33	28	27	18	3	6	29	24	32	10	11	16	28	37	25	20.7
Maysville	Maximum	40	38	44	31	29	15	33	45	55	54	51	41	37	32	37	48	39	34	53	50	18	41	48	36	39	20	32	51	54	48	50	39.5
	Minimum	20	21	24	18	3	4	14	19	28	34	31	30	24	14	16	35	28	25	27	10	1	5	21	24	20	6	10	19	36	38	25	20.0
Middlesboro	Maximum	66	44	44	48	37	20	37	48	58	50	55	50	38	37	43	49	42	42	55	52	24	35	44	40	44	35	38	60	56	53	55	45.6
	Minimum	22	29	29	25	4	4	10	13	29	24	28	26	25	11	15	36	33	23	27	22	4	5	16	22	33	10	11	18	28	35	29	19.8
Mount Sterling	Maximum	37	47	52	32	30	17	36	48	57	57	52	39	34	30	36	47	37	37	53	39	13	38	48	43	35	27	30	52	58	53	53	42.2
	Minimum	18	21	27	18	2	2	10	17	30	36	29	27	18	12	15	34	26	25	28	12	1	4	25	25	23	5	10	19	40	35	30	20.0
Richmond	Maximum	46	43	43	35	32	18	34	55	58	58	55	45	40	31	41	46	40	38	51	47	15	38	48	43	35	27	30	52	58	53	53	42.2
	Minimum	18	22	28	20	0	4	15	25	35	43	29	29	23	23	21	35	26	25	31	15	2	8	25	32	27	7	13	23	43	42	35	23.0
Sergent	Maximum	42	27	35	25	3	4	10	16	20	28	33	32	26	21	16	35	34	28	27	20	4	4	17	23	34	11	11	27	38	35	32	24.8
	Minimum	22	27	35	25	3	4	10	16	20	28	33	32	26	21	16	35	34	28	27	20	4	4	17	23	34	11	11	18	28	35	29	19.8
Williamsburg	Maximum	54	44	52	43	37	24	42	53	59	61	60	51	43	40	40	52	45	50	57	55	22	45	51	44	46	34	35	55	62	55	55	48.5
	Minimum	19	27	33	20	4	4	14	16	19	29	32	26	27	11	12	35	30	23	28	26	4	7	25	28	32	16	11	24	36	45	25	21.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, ‡ etc. indicate respectively 1, 2, 3 etc., days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., FEBRUARY, 1924. No. 2.

GENERAL SUMMARY.

Long periods of cold weather, attended by severe freezes, alternated with short periods when temperatures averaged much above normal and the surface soil thawed through. These temperature conditions, acting upon a saturated soil, caused further injury to winter grains, timothy, clover and pastures. The plants were lifted out of the ground to an unusual degree, especially on the heavier clay soils of the central uplands. Much clover, young timothy, and late sown wheat died from the effects of the heaving freezes, leaving thin or scattered stands. Early wheat and most rye fared somewhat better, but showed further signs of injury. The condition of the wheat crop was very irregular at the close of the month, ranging from poor to good, depending on the character and drainage of soil and the time of sowing. It was evident that a considerable part of the area sown to late wheat would be plowed up. Bluegrass in pastures and on lawns appeared to be dead, or nearly so, in large patches; a condition somewhat unusual for this plant, which generally resists the worst winters reasonably well. Light snow afforded some protection to grains during the last week, otherwise the ground was bare throughout the month. The low temperature and frozen ground practically prevented outdoor work. Few tobacco plantbeds were sown and no plowing was done. Precipitation averaged far below normal, but the soil, being generally frozen, remained saturated. The dry, cold weather interfered with handling tobacco, while the roads became worse and hindered deliveries. For these reasons a large part of this work, which should have been completed this month, had to be deferred. Improved roads softened badly, and all roads were reported in the worst condition observed in many years.

TEMPERATURE.

The average temperature for the State, 43 stations reporting, was 36.0°, which is normal for this month. The coldest weather prevailed in the periods 6-9th and 21st-27th, when minimum temperatures ranged between 10° and 20° at most stations. Mean temperatures were characterized by sharp departures, both above and below normal. The highest for the State was 71° at Bowling Green on the 3d and at Richmond on the 4th; and the lowest 9° at Farmers on the 22d.

PRECIPITATION.

The average precipitation for the State, based on reports from 71 stations, was 2.56 inches, which is 0.97 inch below normal. In the south-central and northeastern counties, amounts ranged between 3.0 and 5.0 inches; but they decreased northwestward toward the Ohio River, varying in that district between 1.5 and 2.5 inches. Rain was general and moderately heavy from the 17th to 20th. Light rain, ending in snow occurred from the 4th to 7th; and light snow in the periods, 10-11th, and 23d-24th. Snowfall ranged from 2.0 to 5.0 inches in the central, northeastern, and extreme western counties; but it was much lighter in most other sections. For the State, the total precipitation ranged between 1.46 inches at Louisville and 5.10 inches at Middlesboro. Thunderstorms were reported from a few stations on the 4th.

MISCELLANEOUS.

Rivers.—A sharp rise in the Ohio River followed the rains of the 19th and 20th, but flood stages were not reached at any station. The upper Green was slightly above flood stage on the 22d and 23d.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure (in inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction	Date.
Cairo ..... Ill.	30.13	30.62	8	29.26	4	7669	10.9	37	n.	26
Cincinnati ..... Ohio	30.12	30.59	16	29.58	4	6516	9.4	28	sw.	9
Evansville ..... Ind.	30.14	30.61	8	29.25	4	8569	12.3	32	sw.	5
Lexington ..... Ky.	30.13	30.56	8	29.41	4	10129	14.6	38	sw.	5
Louisville ..... Ky.	30.14	30.60	8	29.33	4	8559	12.3	39	sw.	4

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	78	63	69	185.0	314.9	59	14	10
Cincinnati ..... Ohio	83	67	73	112.2	312.2	36	5	12
Evansville ..... Ind.	76	64	67	126.6	313.6	41	8	12
Lexington ..... Ky.	85	78	.....	66.9	313.6	21	2	20
Louisville ..... Ky.	73	63	63	159.6	313.6	51	8	9

COMPARATIVE DATA FOR FEBRUARY.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more.
1889	34.1	− 1.5	74	3	1.91	−1.69	..
1890	45.6	+10.0	86	16	2.98	+1.38	..
1891	42.2	+ 6.6	76	0	3.72	+1.12	..
1892	29.4	− 6.6	70	11	2.92	−0.68	..
1893	37.7	+ 2.1	70	3	4.40	+0.80	..
1894	34.6	− 1.0	74	2	4.66	+1.06	..
1895	25.9	− 9.7	80	−18	0.66	−2.94	5
1896	37.1	+ 1.8	81	−12	3.06	−0.54	9
1897	39.8	+ 4.2	76	8	5.75	+2.15	11
1898	37.4	− 1.8	77	− 3	1.61	−1.99	6
1899	26.2	− 9.4	71	−23	3.35	+0.37	11
1900	32.5	− 3.1	76	9	4.68	+1.08	12
1901	32.4	− 3.2	71	1	1.27	−2.33	6
1902	27.9	− 7.7	69	− 3	1.30	−2.30	7
1903	35.5	+ 1.9	53	16	5.28	+2.18	9
1904	35.2	− 0.4	55	2	2.32	−1.28	9
1905	27.9	− 7.7	67	−16	2.44	−1.16	9
1906	34.7	− 0.9	55	−12	1.81	−1.79	7
1907	35.7	+ 0.1	53	−10	3.06	−0.54	9
1908	35.6	0.0	70	2	5.56	+1.96	13
1909	42.4	+ 6.8	66	8	5.17	+4.57	11
1910	32.9	− 2.7	66	−12	4.70	+3.10	10
1911	42.0	+ 6.4	80	11	3.75	−0.25	7
1912	29.7	− 5.9	65	−14	3.08	−0.52	7
1913	34.8	− 0.8	57	− 2	2.94	−0.66	7
1914	32.2	− 3.4	69	2	4.14	+0.54	11
1915	41.9	+ 6.3	75	15	1.74	−1.86	8
1916	35.0	− 0.6	72	− 4	2.99	−0.61	8
1917	34.8	− 0.8	80	9	3.51	−0.09	7
1918	39.3	+ 3.7	83	8	2.04	−1.56	7
1919	38.6	+ 3.0	69	12	1.79	−1.81	9
1920	35.7	+ 0.1	71	0	2.27	−1.33	9
1921	41.3	+ 5.7	77	11	3.20	−0.40	10
1922	41.3	+ 5.7	76	4	3.58	−0.02	10
1923	34.6	− 1.0	74	− 4	4.67	+1.07	10
1924	36.0	0.0	71	9	2.56	−0.97	9

Climatological Data for February, 1924.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days.				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.
Western Division.																			
Beaver Dam	Ohio	441	20	36.6	+ 0.4	70	3	14	7†	39	2.50	−0.68	1.00	1.0	7	11	8	10	n.
Blandville	Ballard	345	42	36.8	0.0	68	3	13	6	34	2.44	-2.09	0.74	3.2	9	8	8	13	n.
Calhoun	McLean	437	20	37.2	− 0.5	69	3	14	8	33	2.78	0.48	0.81	1.5	9	4	11	14	nw.
Earlington	Hopkins	420	33	36.9	+ 0.6	69	3	14	7	33	2.02	−1.58	0.72	1.0	9	13	2	11	nw.
Greenville	Muhlenburg	519	7	[a]36.9	.....	70[a]	3†	10[a]	8	37[b]	2.54	.....	0.86	1.2	13	14[a]	3*	11*	s.
Henderson	Henderson	382	15	.....	.....	.....	.....	.....	.....	.....	1.85	−0.67	0.50	1.5	9	.....	.....	.....	.....
Hopkinsville	Christian	524	27	37.8	+ 0.8	70	3	13	7	38	2.68	−1.21	0.86	0.5	9	5	7	17	sw.
Marion	Crittenden	571	25	36.6	+ 0.9	69	3	10	7	33	2.60	−1.37	0.87	3.5	6	10	5	14	ne.
Mayfield	Graves	364	11	38.4	+ 0.4	68	3	11	7	29	2.72	−0.92	1.02	2.2	6	15	4	10	sw.
Owensboro	Daviess	479	27	35.6	+ 0.9	67	3	13	6†	30	2.15	−1.10	0.75	T.	6	13	5	11	s
Paducah (near)§	McCracken	516	6	39.4	.....	69	3	15	6	33	3.64	.....	1.05	2.5	9	16	2	11	n.
Paducah	McCracken	341	35	.....	.....	.....	.....	.....	.....	.....	2.12	−1.49	0.56	3.0	10	.....	.....	.....	.....
Princeton	Caldwell	529	13	37.0	+ 1.8	70	3	11	7	36	2.05	−2.47	0.68	5.0	9	7	8	14	n.
Runsey, Lock 2 ‡	McLean	344	0	.....	.....	.....	.....	.....	.....	.....	2.11	.....	0.64	0.2	6	.....	.....	.....	.....
Russellville	Logan	590	11	35.8	− 0.8	70	3	11	22	37	1.86	−1.78	0.60	0.7	8	9	2	18	n.
Central Division.																			
Anchorage	Jefferson	700	23	32.8	− 0.2	68	3	10	22	40	1.65	−1.19	0.62	1.3	9	9	2	18	sw.
Bardstown	Nelson	637	27	35.4	+ 0.9	69	3	13	9	34	2.15	−1.76	1.23	2.5	7	7	2	20	ne.
Bowling Green	Warren	500	33	37.8	+ 0.2	71	3	15	7†	34	3.83	0.84	1.00	T.	7	10	8	11	w.
Brownsville, Lock 6‡	Edmonson	410	6	.....	.....	.....	.....	.....	.....	.....	3.19	.....	0.90	T.	7	.....	.....	.....	.....
Burnside	Pulaski	773	31	.....	.....	.....	.....	.....	.....	.....	4.12	+0.03	1.20	1.5	11	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	422	24	.....	.....	.....	.....	.....	.....	.....	1.48	−1.40	0.57	.....	11	.....	.....	.....	.....
Cloverport	Breckenridge	375	10	.....	.....	.....	.....	.....	.....	.....	2.25	−0.38	0.48	2.0	12	.....	.....	.....	.....
Dix Dam, Burgin	Mercer	770	0	35.6	.....	68	3	16	7†	39	2.62	.....	1.15	2.5	9	4	8	17	w.
Eubank	Pulaski	1177	29	35.6	+ 0.8	68	3	10	9	34	3.29	−0.57	1.15	T.	8	4	3	22	w.
Frankfort	Franklin	560	30	35.6	− 0.3	66	3	14	22	36	1.86	−1.70	0.82	1.5	8	7	7	15	w.
Franklin	Simpson	691	28	38.2	− 0.8	70	4	15	7†	34	3.26	−1.63	1.10	0.2	11	13	2	14	n.
Gest, Lock 3	Henry	449	11	.....	.....	.....	.....	.....	.....	.....	1.96	−0.95	0.64	0.9	10	.....	.....	.....	.....
Glasgow	Barren	780	2	36.9	.....	68	3	15	7†	33	3.38	.....	1.40	1.1	8	10	3	16	n.
Greensburg	Green	581	31	36.0	+ 1.1	69	3	13	9	39	2.63	−1.39	1.08	0.8	12	5	1	23	n.
High Bridge, Lock 7	Jessamine	550	21	.....	.....	.....	.....	.....	.....	.....	2.62	−0.63	1.05	2.5	9	.....	.....	.....	.....
Irvington	Breckenridge	646	26	35.6	+ 1.3	66	3	15	7	29	1.84	−1.49	0.82	2.8	7	8	5	16	w.
Junction City	Boyle	985	30	35.4	+ 0.8	69	3	11	9	36	2.84	−0.90	1.30	3.5	11	9	15	5	sw.
Leitchfield	Grayson	645	28	35.4	+ 1.4	67	3	13	7†	35	2.07	−1.71	0.94	2.0	8	6	7	16	w.
Lexington	Fayette	989	36	33.4	− 2.3	65	3	14	7	24	2.60	−0.63	1.30	3.0	10	3	6	20	sw.
Little Hickman, Lock 8¶	Jessamine	523	12	.....	.....	.....	.....	.....	.....	.....	3.24	−0.03	1.08	3.0	8	.....	.....	.....	.....
Lockport, Lock 2	Henry	436	12	.....	.....	.....	.....	.....	.....	.....	1.73	−0.81	0.63	1.0	8	.....	.....	.....	.....
Louisville	Jefferson	525	51	34.4	− 2.9	67	3	14	7	26	1.46	−2.38	0.67	1.5	8	4	9	16	ne.
Do.(Cherokee Park).	Do.	534	14	34.8	− 0.9	65	3†	14	7	32	1.77	−1.05	.....	1.9	14	8	5	16	nw
Pilcher (Dam 43)	Meade	363	1	.....	.....	.....	.....	.....	.....	.....	1.72	.....	0.48	0.5	8	.....	.....	.....	.....
St. John	Hardin	777	27	34.2	+ 1.2	67	3	10	8	35	2.59	−1.39	0.85	2.3	9	12	7	10	.....
Salvisa, Lock 6‡	Mercer	490	9	.....	.....	.....	.....	.....	.....	.....	2.79	.....	1.64	.....	6	.....	.....	.....	.....
Scott ¶	Kenton	900	26	31.8	+ 1.1	60	4	11	22	27	2.04	−0.71	0.53	3.4	14	7	7	15	w.
Shelbyville	Shelby	825	34	34.0	+ 0.2	66	3	11	22	31	2.17	−1.63	0.92	2.8	11	6	5	18	n.
Taylorsville	Spencer	489	21	34.8	− 0.6	65	3	15	7†	36	2.03	−1.43	1.07	1.5	14	8	4	17	sw.
Farmers	Rowan	476	5	.....	.....	.....	.....	.....	.....	.....	2.16	.....	0.70	2.0	9	.....	.....	.....	.....
Tyrone, Lock 5‡	Anderson	943	20	32.2	+ 0.2	63	3	12	8	30	2.04	−0.69	0.82	2.0	10	6	4	19	w.
Williamstown	Grant	533	6	.....	.....	.....	.....	.....	.....	.....	2.69	.....	0.53	1.2	12	.....	.....	.....	.....
Woodbury, Lock 4 ‡	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																			
Ashland	Boyd	534	5	35.4	.....	66	3†	19	8†	36	3.27	.....	1.25	2.5	8	8	0	21	ne.
Beattyville	Lee	650	19	37.3	+ 1.6	70	3	15	11	44	2.74	−1.13	0.86	1.0	10	3	6	20	w.
Berea	Madison	1050	20	35.8	− 0.5	68	3	14	9	31	3.07	−0.04	1.04	5.2	15	4	7	18	sw
College Hill, Lock 11	Madison	576	11	.....	.....	.....	.....	.....	.....	.....	2.66	+0.14	0.90	4.9	11	.....	.....	.....	.....
Cynthiana	Harrison	681	6	.....	.....	.....	.....	.....	.....	.....	2.92	.....	1.44	.....	8	.....	.....	.....	.....
Falmouth	Pendleton	600	35	.....	.....	.....	.....	.....	.....	.....	2.42	−0.94	0.97	2.0	7	7	3	19	s.
Farmers	Rowan	668	14	36.8	+ 1.2	70	4	9	22	41	3.15	+0.15	1.11	2.1	8	6	9	14	se.
Ford, Lock 10‡	Clark	559	6	.....	.....	.....	.....	.....	.....	.....	2.72	.....	1.04	1.8	9	.....	.....	.....	.....
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	2.54	.....	1.05	2.0	9	.....	.....	.....	.....
Heidelberg, Lock 14	Lee	629	5	.....	.....	.....	.....	.....	.....	.....	2.59	−0.71	0.93	4.3	8	9	6	14	sw.
Jackson	Breathitt	776	1	37.9	.....	70	4	19	8†	42	2.52	−0.81	0.74	.....	5	.....	.....	.....	.....
Louisa	Lawrence	584	17	.....	.....	.....	.....	.....	.....	.....	3.00	−0.33	1.50	3.0	6	11	0	18	w.
Maysville	Mason	524	26	34.4	+ 1.4	66	4	15	9†	36	5.10	+0.18	1.30	T.	10	15	2	12	.....
Middlesboro	Bell	1128	26	38.0	− 0.9	64	4†	17	9†	37	3.99	0.00	1.80	1.7	8	8	4	17	w.
Mount Sterling	Montgomery	930	34	34.2	+ 0.8	66	3	14	22	31	2.71	.....	1.00	3.5	6	.....	.....	.....	.....
Oliver, Dam 39	Greenup	540	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oneonta, Dam 35	Campbell	443	2	.....	.....	.....	.....	.....	.....	.....	2.20	.....	0.91	1.0	6	.....	.....	.....	.....
Pikeville	Pike	634	18	.....	.....	.....	.....	.....	.....	.....	2.46	−0.88	0.62	2.0	10	.....	.....	.....	.....
Ravenna, Lock 12	Estill	593	3	.....	.....	.....	.....	.....	.....	.....	1.70	.....	0.58	.....	7	.....	.....	.....	.....
Richmond	Madison	926	29	37.0	+ 1.7	71	4	15	7	33	2.31	−1.13	0.80	2.4	12	7	2	20	.....
Sargent	Letcher	1235	1	36.8	.....	67	4	18	11	40	2.53	.....	0.50	0.4	14	10	9	10	sw.
Valley View, Lock 9	Madison	541	8	.....	.....	.....	.....	.....	.....	.....	3.71	+0.42	0.95	.....	12	.....	.....	.....	.....
Vanceburg, Dam 32	Lewis	525	7	.....	.....	.....	.....	.....	.....	.....	2.90	.....	1.01	.....	7	.....	.....	.....	.....
Williamsburg	Whitley	699	26	38.2	+ 0.7	65	3	11	9	39	3.32	−0.17	0.76	T.	7	17	8	4	.....
Willow Lock 13	Lee	611	2	.....	.....	.....	.....	.....	.....	.....	1.85	.....	0.90	.....	6	.....	.....	.....	.....
State averages and extremes		.....	.....	36.0	.....	71	3†	9	22	41	2.56	.....	1.80	1.9	9	9	5	15	w.

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Also on other dates. ‡ Received too late to be included in means and summaries.

¶ Postoffice addresses: —Lock 5 Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8 Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

§ Lone Oak.

Observers.
Mrs. Lena F. Taylor.
E. W. Horr.
W. A. Taylor.
Brick Southworth.
C. R. Lovell.
W. W. Shelby.
W. E. Graves.
B. C. Paris.
N. E. Douthit.
Henry S. Berry
J. W. Lilley
Frank L. Brown.
Dr. W. L. Cash.
Thos. L. Wetzel.
E.C. Shelton.
C. E. Barret.
Chas. M. Talbott.
Mrs. Lillie G. Causey
Virgil M. Whalin.
F. E. Bradshaw.
Charlie Oliver.
W. A. Cockerill.
Geo. Henry Ellis.
Mrs. Katie Payne.
Sidney Wood.
Jos.H. Blewett.
Albert Purvis.
Dr. Fidella Edwards.
Mrs. Bettie K. H. Alcorn
Miss Lulu Wood.
W. J. Piggott.
William E. Grubbs.
John E. Stone.
U. S. Weather Bureau.
Horace Canter.
Andrew J. Keenan.
U. S. Weather Bureau.
Wm. I. Hunt.
W. D. Farnsley.
Sisters of Loretto.
Ernest M. Searcy.
E. B. Wilson.
Mrs. W. T. Miller.
E. D. Bourne.
H. K. Vaughn.
Mrs. E. S. Humlong.
J. C. Stinson.
W. B. Shaw.
Mrs. Sabina E. Hall.
Frank Montgomery.
Kelly Walden.
P. H. Kehoe.
J. V. Oldham.
Mrs. Edna Tinsley.
John A. Walters.
S. C. Cole.
Dr. Dan. Fortune.
Russian Codey.
Harry M. Robinson.
B. H. Perkins.
W. R. McKee.
M. W. Kinner.
Andrew M. Stanforth.
Robert Reuss.
Walter P. Bush.
J. W. Crooke.
A. K. Williams.
Thos. Sullivan.
Samuel Johnson.
Lawrence R. Uhl.
Shelby Angel.

Daily Precipitation for February, 1924

Stations	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division.																																
Beaver Dam G				.60		10				.15	.05						.40	1.60	T				.20									2.25
Blandville M				.41	.12				.01		.23						.50	.11	.74	T	T		.30	.61			T					2.44
Calhoun G		.11		.38	.34	.06				T	.03		T			T	.81	.15	.80	T	T			.16		T						2.38
Earlington K	T			.44	T	.08			T	.04	T						.53	.03	.72	.06	T		.04	08	T							2.42
Greenville G		.02		.30	.28	.04	T.			.08	.06					T	.35	.34	.86	.04	.01		.05	.05								2.94
Henderson O		.06		.10	.20	.10						T					.04	.35	.28	.50	.22											1.54
Hopkinsville C	T			.68	T.	.10	T.	T			.17						.57	.06	.86	.02			.17	.05				T				1.93
Marion O	T.			.18	.13	.05			T.		T						.66		.87	T			.11									2.00
Mayfield M				.05	T.	T.				T						T	1.02	.10	.60	.05			.90	T.								2.72
Owensboro O	T.			.60	.02				T.	T	T					.02	.75	.09	.67	T												2.15
Paducah (near)* O	.05	.10			T					.74	.10					1.05	.45	.05	.85	T.			.25									3.04
Paducah O	.16			.18	.18	T				T		.09					.09	.25	.21	.56			.30	.10								2.12
Princeton G				.40	.11	T.			.07		.06		T.			T.	.55	.02	.68	.01	T.		.15									2.05
Ramsey, Lock No. 2 G				.28	.18	.20											.27	.64		.54												2.11
Russellville G					.23				.04		.15						.08	.60	.45	.33				.11									1.80
Central Division.																																
Anchorage O				.03	.24	T	T.					06				.04	.58	.01	.62	.05			T.	.02								1.65
Bardstown S					.19						.07					.03	.48		1.23	.09				.06									2.15
Bowling Green G					.42	T						.40					.98	.55	.20	1.00				.28									3.83
Brownsville, Lock No. 6 G					.45	T.	T					T	T				.16	.40	.58	.57	T.			.13	.56								3.19
Burnside C	.08				.42	.02	T.			T.		.15					.08	.58	.75	1.20	T.			.13	.60		.11						4.12
Carrollton (Lock No. 1) K					.22	.03	T.	T.		.01		.03					.11	.24	.20	.57	.01	.03			.03								1.48
Cloverport O	.03				.27	.48	.05	T.	T		T.	.04		.01		T.	.31	.52	.28	.56	.03	T		T.	.06								2.25
Dix Dam, Burgin K	.18				.24	T						.05	T			.02	.36	.08	1.15	.46		T.		.08								2.92
Eubank C						.30	.15	T.	T.		.02						.10	.55	.70	1.15	T.	T.	T.		.32								3.29
Frankfort K	T.	T.			.19	.02	.01			T		.03					.66	T.	.71	.82	T.	T.			.02								1.86
Franklin G				.55		.04					.07						.75	.07	1.10	.25			.02	.30	.06	.05						3.26
Gest, Lock No. 3 K	.08				.27	.06	T			T.		.07					.08	.32	.34	.64	T.	T		.04	.06								1.96
Glasgow G					.44	.01					.10	.19					.68		1.40	T	T.			.50		.07							3.38
Greensburg G	.10				.21	T.				.02	.05	.04				.01	.40	.20	1.08	.35				.15		.02							2.03
High Bridge, Lock No. 7 K	.06				.25	.05						.10					.03	.36	.64	1.05	T.				.08								2.62
Irvington O	T.			.05	T.	.03	T.			T.	.11	T				.04	.82		.71	T.	T.		.08	T.								1.84
Junction City K	.12				.23	.04					T					.08	.10	.20	1.20	.52	.05	T.		.19	.01								2.84
Leitchfield G				.15	.22	.07						.05	T			T	.55		.94	.03	T			.16								2.07
Lexington *** K	T.			.21	.15	T	T	T.	.02		.13	T.				T.	.3	.07	1.26	.14	.01		T	.08	T.							2.09
Little Hickman, Lock No. 8 K	.22				.55	T	T					.18					.08		.82	1.08					.15								3.21
Lockport, Lock No. 2 K					.25	.02	T	T.		T		.05					.07	.31	.28	.63	T.	T.			.02								1.53
LOUISVILLE*** O		T		.10	.04	T.	T.	T.	T.	.06			T.			.03	.51	.06	.63	T	T.	T	T	.03								1.46
Do. (Cherokee Park) O	.02	.02		.03	.18	.04	T.			.01	.04	.01	T.			.04	*	.02	*	.66	.01			.03								1.77
Pilcher (Dam 43, K	.10	T.			.10	T.	T.					.04					.28	.48	.25	.42	T.			T.	.05								1.72
St. John S	.02	T.		T.	.20	.02			T.		.02	T.	.12			T.	.46		.85		.18	T.		.12								2.59
Salvisa, Lock No 6 K				T.	T.	T			T.		T						.11	.64	.65	.15	T.			T	.12								2.79
Scott L	.03	T		T	.53	.05	T	.03			.09	.01	T.			.01	.18	.09	.44	.48	.01			.08	.01								2.04
Shelbyville S		.05		.07	.09	.02	T.	.02			.33	.01				T.	.36	T.	.92	.15			T.	.15								2.17
Taylorsville S	.04	.01		.01	.27	T	T.			.01	.04	.01	T.			.03	.28	.02	1.07	.04	T.		T.	.04	.06							2.13
Tyrone, Lock No. 5 K				T.	.21	T				.02							.10	.36	.70	.65	.04	.03	T.	T.	.05								2.15
Williamstown L	.01				.45	T.	T.				.06	.01					.40	.12	.82	.07				.09	.01								2.04
Woodbury, Lock No. 4 G	.02			.06	.53	.05				.04		.05					.20	.50	.52	.50	T.	T.	.02		.20								2.69
Eastern Division.																																
Ashland O					.40	.15		T.				.20					.47	.52	1.25	.68				.20								3.27
Beattyville K					.22	.01	.03	T.	T.	.02		.11					.24	.82	.86	.02	T		T.	.41								2.74
Berea K	.08	.02			.31	.10	T.	T.		.02	.10	.03				.04	.19	.11	.04	.63	.04	T.		.33	.03								3.07
College Hill, Lock No. 11 K					.20	.03	.02	T.	T			.10					.05	.32	.80	.90	.03			.01	.20								2.66
Cynthiana L					.37	T.		T.				.09	T				.03	.44	.47	1.44	.02				.06								2.92
Falmouth L		T			.36	.02	T	T.		T.		.11	T.				T.	.50	.39	.97	T.	T.			.07								2.42
Farmers L	.04				.37	.10	T	T.	T.			.17					T.	.55	.65	1.11	T			.16								3.15
Ford, Lock No. 10 K					.28	T	T.	T.	T.			.02	T.				.02	.46	.68	1.04	.02	T.	T.	.12	.08								2.72
Harlan K																																
Heidelberg, Lock No. 14 K					.67	.02	.01					.14					.32	.55	1.05	.03		T.	T.	.35									2.54
Jackson K	.11				.25	T					.09					.14	.30	.93	.63		T		.14									2.59
Louisa B					.48												.44	.48	.74					.38									2.52
Maysville O	T.	T.			.20	T.	T.	T.				.20					T.	.60	.40	.50	T.	T.		.10								3.00
Middlesboro C	.08				.18	T.					.10						.50	.38	1.30	.93			T.	.62	.43	.28						5.10
Mount Sterling L	.09				.31	.02	T										.62	.10	.85	1.80	T.		.20									3.99
Owens. Dam 30 O					.26							.24						.53	.46	1.00				.22									2.71
Owens. Dam 35 O	T.	T			.53	T	T	T	T	T.		.22					T.	.22	.18	.91	T			.13									2.20
Pikeville B	.08				.24	.08		.10	T			.06	T.				.22	.18	.44	.62	T			.44									2.46
Ravenna, Lock No. 12 K	T.					.12	.10	T.		T		.12					T.	.16	.45	.58			T.	.18									1.70
Richmond K	.19				.26	.03	.02	T.		T	.02	.13				T.	.12	.18	.25	.80	.08			.23									2.31
Sergent K	.01				.45	.01	T.	.01		.20	.01	.01	T.	T		T.	.26	.18	.35	.35	T.	T		.50	.18		.01						2.53
Valley View, Lock No. 9 K	.20				.12	.04	.15	.08	T.			.35					.10	.28	.90	.95	.18				.36								3.71
Vanceburg, Dam No. 32 O					.28	.07							.13					.60	.61	1.01				.20									2.90
Williamsburg C	.27			T	T.						T.	.28					.58	.61	.76					.48	.34								3.32
Willow, Lock No 13 K					.05	T.	.05					T.					T.	.26	.56	.90	.03		T.	T									1.85

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

§ Separate dates of falls not recorded. T Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

*Lone Oak.

Daily Temperatures for February, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.																																	
Beaver Dam	Maximum	51	57	70	69	65	28	30	35	38	47	40	42	46	58	57	52	51	50	35	33	36	46	39	42	40	44	50	54	58	...	...	47.1
	Minimum	34	33	38	38	26	15	14	14	17	25	26	30	29	28	34	32	39	33	23	23	15	16	27	29	25	30	21	26	27	...	...	26.2
Blandville	Maximum	48	58	68	58	45	27	31	31	43	42	37	45	56	57	58	47	50	37	35	34	33	41	37	39	42	39	51	61	63	...	...	45.3
	Minimum	33	27	43	43	21	13	14	15	20	36	30	28	26	32	39	37	35	33	30	25	20	20	30	31	27	28	30	27	34	...	...	28.3
Calhoun	Maximum	52	54	69	66	52	28	29	30	42	42	42	40	47	55	54	52	47	47	46	34	31	43	40	38	42	41	47	57	62	...	...	45.8
	Minimum	34	33	36	47	28	15	17	14	18	32	24	31	29	30	35	34	39	34	33	25	24	18	28	32	29	29	30	25	30	...	...	28.6
Earlington	Maximum	51	54	69	66	49	25	27	30	42	43	38	41	47	55	57	52	52	48	36	33	33	41	39	37	42	41	50	58	61	...	...	45.2
	Minimum	34	34	40	47	25	16	14	15	16	32	22	31	27	33	31	35	42	34	33	24	15	16	27	32	29	33	31	22	30	...	...	28.6
Greenville	Maximum	57	...	70	70	53	37	30	32	44	45	39	40	49	57	57	55	53	54	41	36	33	42	43	39	42	43	52	58	63	...	...	*47.6
	Minimum	34	33	...	46	25	14	11	10	13	30	20	25	24	32	33	33	40	34	32	23	19	14	25	26	27	28	30	21	28	...	...	*26.2
Hopkinsville	Maximum	52	56	70	64	55	27	31	32	46	47	43	44	51	59	61	52	54	51	39	36	34	43	38	39	43	40	56	63	69	...	...	47.7
	Minimum	36	31	36	48	24	16	13	14	17	32	25	26	26	32	34	36	42	35	34	24	19	16	29	32	28	29	32	28	29	...	...	27.9
Marion	Maximum	56	52	69	64	58	26	27	30	36	43	44	38	41	52	59	56	48	50	37	34	31	37	42	36	38	42	42	50	60	...	...	44.8
	Minimum	34	33	45	48	25	12	10	13	19	30	28	29	27	32	35	35	38	33	32	24	18	20	29	31	28	27	30	27	34	...	...	28.5
Mayfield	Maximum	54	58	68	66	47	29	32	38	43	46	40	47	56	60	60	54	55	46	39	35	35	41	42	39	43	40	51	55	60	...	...	47.3
	Minimum	35	30	44	46	23	16	11	16	20	32	28	29	27	31	36	39	43	34	33	26	21	21	30	32	28	30	31	26	34	...	...	29.4
Owensboro	Maximum	47	53	67	61	50	27	26	27	40	47	34	41	44	52	56	42	47	45	35	33	28	40	38	36	42	43	50	55	66	...	...	49.7
	Minimum	34	31	38	47	25	13	14	13	17	31	24	21	30	31	37	30	38	33	31	23	20	19	28	30	26	27	30	25	33	...	...	27.6
Paducah (near)	Maximum	51	57	69	67	52	29	36	37	40	50	45	46	56	63	66	53	55	48	40	37	36	42	40	47	45	51	57	64	...	...	...	49.3
	Minimum	35	31	45	49	24	15	17	16	20	33	29	30	26	32	35	37	40	35	26	27	22	22	30	32	30	32	26	31	...	...	...	29.6
Paducah	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Princeton	Maximum	52	57	70	62	45	26	28	30	41	41	37	42	52	57	58	52	51	48	38	34	30	43	37	37	43	41	50	57	62	...	...	45.8
	Minimum	35	34	36	45	25	15	11	13	18	32	25	28	27	33	33	36	44	34	34	27	27	41	34	41	37	39	39	52	57	61	...	44.4
Russellville§§	Maximum	44	55	70	63	36	26	29	31	45	44	34	39	48	58	59	49	52	38	37	31	27	41	34	41	37	39	52	57	61	...	...	44.4
	Minimum	37	34	35	41	35	18	15	14	16	22	22	29	26	31	33	35	37	36	25	24	20	11	21	20	29	29	24	24	30	...	...	27.5
Central Division.																																	
Anchorage	Maximum	54	45	68	66	57	30	23	33	39	40	33	38	36	51	54	34	42	36	35	29	27	26	25	31	37	40	45	55	60	...	...	41.7
	Minimum	28	30	28	46	25	16	12	15	12	22	17	25	28	30	30	23	32	29	20	17	16	20	27	26	23	25	18	26	...	...	...	23.8
Bardstown	Maximum	51	46	69	65	62	31	25	31	38	43	33	36	36	54	51	43	47	43	37	33	28	39	28	35	35	39	51	56	60	...	...	43.4
	Minimum	36	33	37	50	30	19	15	16	17	33	26	26	33	37	37	34	39	34	32	25	19	14	26	29	28	26	28	22	29	...	...	27.5
Bowling Green	Maximum	52	55	71	65	59	29	32	32	45	46	40	39	45	59	59	50	52	46	39	36	30	42	38	40	41	39	52	59	63	...	...	46.7
	Minimum	38	33	37	51	28	19	15	16	16	32	22	29	27	31	37	34	36	36	35	20	21	17	26	28	29	29	32	25	31	...	...	28.9
Dix Dam	Maximum	55	49	68	65	60	30	24	30	39	39	35	36	37	51	52	44	48	46	47	46	28	37	37	36	38	40	49	54	58	...	...	44.0
	Minimum	32	35	29	45	30	20	16	19	16	20	22	32	28	33	36	26	34	32	33	24	19	16	25	28	30	28	29	22	34	...	...	27.3
Eubank	Maximum	50	54	68	65	58	31	25	26	39	39	29	35	36	51	51	38	49	50	51	51	33	27	37	37	36	38	38	47	54	59	...	44.1
	Minimum	34	35	34	47	28	18	15	13	19	29	20	28	25	32	39	39	37	34	34	22	17	13	21	29	30	27	30	20	29	...	...	27.2
Frankfort	Maximum	53	44	65	64	62	33	25	30	38	38	26	36	37	50	50	46	45	42	41	40	28	34	37	37	36	42	51	53	59	...	...	43.6
	Minimum	35	34	30	45	32	21	16	20	16	30	21	31	30	34	35	25	34	31	32	23	20	14	26	29	30	26	27	30	25	...	...	27.7
Franklin	Maximum	61	56	69	70	62	30	29	31	41	40	45	40	46	53	60	50	51	52	42	37	32	42	41	41	43	37	50	54	62	...	...	47.1
	Minimum	38	32	41	50	28	19	15	15	17	32	24	29	26	33	35	33	43	36	35	24	20	19	26	32	28	30	31	28	36	...	...	29.4
Glasgow	Maximum	58	58	68	61	58	31	27	31	42	44	34	37	42	56	56	49	50	50	43	37	29	40	28	40	40	38	53	57	60	...	...	45.8
	Minimum	33	33	42	48	28	19	15	15	15	32	24	22	26	32	38	32	43	36	35	24	20	15	17	25	32	30	29	31	24	32	...	28.0
Greensburg	Maximum	52	49	69	63	59	30	26	30	41	42	38	39	39	53	51	47	51	49	44	37	29	37	39	38	38	40	50	56	60	...	...	44.7
	Minimum	34	34	30	48	29	20	16	14	13	31	20	32	25	25	37	31	39	34	35	24	28	38	28	35	38	40	50	55	59	...	...	27.3
Irvington	Maximum	49	50	66	61	52	27	25	30	38	46	35	38	46	50	52	44	48	40	35	34	28	38	38	35	38	40	50	55	59	...	...	42.6
	Minimum	38	33	40	51	27	16	15	16	18	30	24	30	30	33	40	29	35	32	32	22	20	17	29	30	28	27	30	26	34	...	...	28.7
Junction City	Maximum	60	57	69	66	62	32	30	28	42	39	39	35	52	50	44	49	52	50	37	25	26	30	34	35	39	36	50	56	60	...	...	45.3
	Minimum	28	30	34	47	26	12	15	15	11	28	12	30	25	32	37	25	32	35	31	20	12	12	21	27	28	24	32	21	40	...	...	25.6
Leitchfield	Maximum	50	51	67	63	58	25	27	34	41	41	36	39	42	52	52	42	52	48	36	32	27	41	38	34	38	39	51	56	61	...	...	43.8
	Minimum	36	32	36	50	25	16	13	13	15	30	26	31	26	30	37	30	38	32	32	24	19	16	25	30	28	27	30	21	28	...	...	27.1
Lexington	Maximum	53	44	65	64	44	25	21	26	37	35	26	32	35	48	46	34	44	32	29	30	21	17	25	25	26	24	27	29	37	...	...	39.8
	Minimum	36	32	41	44	25	17	14	18	21	27	28	29	28	32	37	22	32	29	30	21	17	17	25	25	26	24	27	29	37	...	...	26.9
Louisville	Maximum	49	45	67	62	46	23	23	31	38	39	36	36	37	50	50	35	40	35	36	29	26	26	28	33	40	42	49	54	59	...	...	40.8
	Minimum	36	32	41	46	23	16	14	17	21	29	27	31	31	34	30	26	34	31	29	19	19	19	26	26	28	26	30	31	38	...	...	28.1
Do. (Cherokee Park)	Maximum	51	46	65	65	61	29	27	32	37	38	38	37	37	49	48	45	40	41	37	33	32	35	36	36	40	49	53	58	...	...	...	42 4
	Minimum	34	31	34	49	29	17	14	17	17	28	22	30	30	33	37	24	31	30	30	21	18	15	26	28	34	38	36	39	49	57	61	27.1
St. John	Maximum	47	48	67	66	57	25	29	31	38	43	34	42	37	55	51	40	48	44	35	35	29	41	36	33	36	39	49	57	61	...	...	43.2
	Minimum	35	31	34	42	23	15	14	16	13	28	20	27	25	27	36	26	33	31	31	20	18	13	24	28	26	25	28	28	36	...	...	25.3
Scott	Maximum	52	57	67	70	64	30	20	28	33	38	34	33	34	46	48	34	33	33	26	33	25	24	36	31	31	36	46	51	58	...	...	38.6
	Minimum	47	44	46	60	57	30	20	20	23	33	28	33	30	32	30	30	38	32	30	25	21	16	11	21	22	26	21	27	26	35	...	25.1
Shelbyville	Maximum	35	30	33	43	30	18	15	15	13	26	22	31	27	31	30	19	29	25	29	21	16	11	21	22	26	21	27	26	35	...	...	42.0
	Minimum	53	43	66	63	55	30	27	31	36	39	34	37	35	50	51	35	44	41	28	26	28	26	26	34	36	39	52	54	60	...	...	26.0
Taylorsville	Maximum	33	39	35	46	27	18	13	16	16	28	22	28	29	32	31	23	52	29	30	21	17	11	25	27	28	23	26	26	29	...	...	43.1
	Minimum	32	45	65	63	60	36	25	31	37	39	35	38	38	51	50	46	45	43	38	25	29	37	37	37	35	40	50	54	59	...	...	26.4
Williamstown	Maximum	34	29	29	29	19	15	17	15	30	20	30	29	32	31	32	35	26	34	32	32	32	26	15	28	29	29	26	29	32	...	...	39.4
	Minimum	53	46	63	59	59	31	22	25	35	36	35	33	34	45	43	35	35	26	29	24	26	32	37	38	33	38	41	48	55	...	...	25 0
	Maximum	32	31	35	46	29	18	14	12	16	26	20	30	23	32	29	20	30	26	29	20	16	15	16	20	23	23	28	26	23	33	...	...
Eastern Division.																																	
Ashland	Maximum	56	50	66	66	65	40	24	29	35	36	36	35	36	17	47	35	38	38	13	43	28	34	38	37	40	42	51	52	55	...	...	42.6
	Minimum	32	32	30	35	40	25	21	19	19	31	20	34	32	32	32	32	70	24	26	26	19	21	23	28	32	30	24	37	...	...	...	28.3
Beattyville	Maximum	56	55	70	69	63	37	27	29	41	42	39	36	38	54	55	51	48	49	52	52	29	40	43	39	49	50	51	59	63	...	...	47.0
	Minimum	31	39	26	30	55	22	20	20	16	31	15	32	30	33	28	25	34	34	34	25	19	18	20	27	32	31	31	19	23	...	...	27.6
Berea	Maximum	52	51	68	66	58	30	21	26	40	37	36	35	36	50	50	38	50	46	33	33	24	26	33	36	37	39	47	54	58	...	...	43.2
	Minimum	35	36	43	50	30	20	17	18	14	30	21	29	27	33	38	26	35	33	32	22	18	15	22	28	31	29	30	23	36	...	...	28.3
Farmers	Maximum	52	57	67	70	64	40	34	35	40	39	41	40	43	52	55	53	49	44	54	43	27	37	44	42	43	48	55	63	...	...	...	47.9
	Minimum	32	33	26	32	34	20	18	18	12	28	17	31	26	30	28	30	32	31	33	23	19	9	19	25	30	28	30	20	20	...	...	25.7
Harlan	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Jackson	Maximum	54	52	68	70	61	38	27	40	42	39	36	37	52	54	53	48	49	49	52	29	37	41	38	37	40	52	57	59	60	...	...	47.3
	Minimum	33	37	26	31	36	23	20	19	19	29	23	30	32	30	25	34	34	35	29	25	21	21	23	32	32	32	32	31	32	...	...	28.5
Maysville	Maximum	55	47	65	66	61	33	23	28	36	39	38	36	35	49	45	36	36	37	48	44	27	34	46	54	55	44	50	56	59	...	...	42.2
	Minimum	34	34	29	41	31	23	20	19	15	30	20	32	28	32	32	31	29	32	25	18	15	21	25	29	29	23	28	24	34	...	...	26.7
Middlesboro	Maximum	53	55	63	64	64	34	35	32	42	41	42	37	40	53	51	57	47	52	53	53	30	38	39	39	43	42	48	56	58	...	...	46.9
	Minimum	31	36	26	38	34	22	21	20	17	33	17	32	29	32	32	32	28	40	42	41	25	20	22	22	33	35	37	34	25	24	...	29.2
Mount Sterling	Maximum	53	48	66	66	60	47	30	25	28	44	37	39	34	36	48	48	37	44	51	42	36	26	32	38	37	37	44	48	55	58	...	42.2
	Minimum	33	35	41	37	29	18	16	18	19	27	16	28	25	32	33	21	32	34	33	22	17	14	25	25	27	26	23	28	27	...	...	26.2
Richmond	Maximum	57	47	70	71	59	39	29	29	39	40	40	37	38	56	52	52	49	48	51	50	32	34	38	35	40	35	49	54	58	...	...	45.6
	Minimum	35	35	40	48	34	20	15	19	18	30	24	31	27	38	37	37	51	54	45	57	50	51	46	29	36	40	38	44	43	43	46	28.3
Sergent	Maximum	51	54	60	67	61	36	26	25	35	44	38	36	37	51	54	45	57	50	51	46	29	36	40	38	44	43	43	46	58	...	...	45.2
	Minimum	32	30	29	27	32	23	20	19	25	31	18	31	30	32	30	27	38	41	40	26	19	21	20	28	55	34	33	28	28	...	...	28.5
Williamsburg	Maximum	51	38	59	58	52	22	21	19	11	34	19	33	28	36	34	30	42	41	39	25	18	21	21	32	36	35	38	21	23	...	...	47.4
	Minimum	34	38	39	38	32	22	21	19	11	34	19	33	28	36	24	30	42	41	39	25	18	21	21	32	36	35	38	21	23	...	...	29.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., MARCH, 1924. No. 3.

GENERAL SUMMARY.

Except for a few brief periods of moderate temperature, amounting altogether to about a week, weather conditions throughout the month resembled mid-winter. Thawing during the day and freezing at night caused further deterioration in winter grains, clover, and alfalfa, by pulling the plants out of the ground or separating the crown from the roots. Plants that were not pulled up were lifted considerably and seriously weakened. Late sown wheat appeared to be practically ruined, while the early sown showed marked injury and ranged in condition from poor to fair. On clay lands the damage to alfalfa in many cases was so extensive as to cause the death of more than half of the plants, while clover fared but little better. Timothy meadows were also badly damaged, but not to so great an extent. Precipitation averaged less than normal; but its frequency, together with the predominant cloudiness and low temperature, kept the soil too wet to be worked nearly all of the time. These unfavorable weather conditions almost entirely prevented plowing, and greatly hindered the sowing of tobacco plantbeds. A few warm days near the end of the month permitted the sowing of many beds, and also made possible a beginning with plowing and potato planting; but all work was quickly stopped by heavy rains, followed by severe freezes. Considerable grass seed was sown on wheat during the last week, but much of this work had to be deferred until the following month. The acreage sown was less than usual because of the large proportion of the wheat crop to be plowed up. Roads continued in bad condition. Fruit remained dormant and was believed to be uninjured.

TEMPERATURE.

The average temperature for the State, 42 stations reporting, was 41.5°, which is 4.9° below normal, and the lowest for March since 1915. Minimum temperatures ranged between 5° and 28° at most stations from the 6th to 17th, and reached or fell below the freezing point on most other days. The extremes for the State were 14° at Anchorage on the 16th and 81° at Jackson on the 29th.

PRECIPITATION.

The average precipitation for the State, based on reports from 70 stations, was 3.05 inches, which is 1.79 inches below normal. Precipitation was moderate to heavy on the 5th and 29th, and in the period 20th-22d. It was light and mostly in the form of snow from the 10th to 15th. Snow also occurred in the northern counties on the 21st. The total snowfall was extremely variable, ranging from a trace near the southern border to more than 6.0 inches at a few northern stations. In a belt of the width of four to five counties across the northern part of the State, from the lower Big Sandy to Ballard County, the total precipitation ranged between 2.0 and 3.0 inches. From 3.0 to 5.0 inches occurred in other districts. The range for the State was between 1.82 inches at Henderson and Marion, and 6.24 inches at Greensburg. Thunderstorms were reported on the 4th, 5th, 28th, and 29th.

MISCELLANEOUS.

March 28-29.—In nearly all parts of the State, buildings, fences, and wire systems were extensively damaged by winds that reached velocities of 60 to 70 miles per hour. In Ballard and McCracken counties the damage to buildings, mostly tobacco barns, 40 of which were reported destroyed, was estimated at $300,000. The towns of Lamont, Grahamville and

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Ave. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.96	30.35	8	29.20	29	8103	11.0	60	sw.	28
Cincinnati ..... Ohio	29.92	30.32	8	29.10	29	6663	8.9	45	sw.	29
Evansville..... Ind.	29.96	30.35	8	29.16	29	9296	12.5	64	sw.	29
Lexington ..... Ky.	29.93	30.35	8	29.25	29	10926	13.3	66	sw.	29
Louisville .....Ky.	29.95	30.35	8	29.18	29	9405	12.6	64	s.	29

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo .....Ill.	78	61	63	212.7	371.4	57	11	6
Cincinnati .....Ohio.	49	62	78	129.7	371.1	35	5	14
Evansville.....Ind.	75	63	70	152.4	371.2	41	7	12
Lexington .....Ky.	82	74	.....	111.5	371.2	30	4	19
Louisville .....Ky.	73	57	64	155.6	371.2	42	7	12

COMPARATIVE DATA FOR MARCH.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with 01 in. or more rain.
1889	40.5	− 5.5	74	18	1.52	−3.14	..
1890	41.2	− 4.8	78	4	8.34	+3.68	..
1891	41.8	− 4.2	71	9	8.08	+3.42	..
1892	40.6	− 5.4	82	7	4.08	−0.58	..
1893	45.0	− 1.0	89	5	2.76	−1.90	..
1894	50.8	+ 4.8	86	10	2.72	−1.94	..
1895	45.0	− 1.0	88	15	3.17	−1.49	9
1896	41.1	− 4.9	80	8	6.16	+1.50	12
1897	49.6	+ 3.6	86	26	7.94	+3.28	14
1898	50.7	+ 4.7	84	16	7.59	+2.93	13
1899	43.9	− 2.1	85	− 3	8.10	+3.44	15
1900	42.8	− 3.2	81	− 3	2.58	−2.08	9
1901	46.4	+ 0.4	87	3	3.50	−1.16	10
1902	47.2	+ 1.2	82	7	4.44	−0.22	11
1903	52.5	+ 6.5	85	19	4.43	−0.23	12
1904	47.7	+ 1.7	85	12	6.26	+1.62	12
1905	52.2	+ 6.2	85	22	4.45	−0.21	9
1906	39.2	− 6.8	75	3	6.37	+1.71	16
1907	54.9	+ 8.9	92	18	2.28	−2.38	10
1908	51.8	+ 5.8	88	19	5.42	+0.76	13
1909	44.8	− 1.2	84	17	5.14	+0.48	11
1910	55.0	+ 9.0	91	11	0.79	−3.87	3
1911	46.0	0.0	87	7	2.57	−2.09	9
1912	41.3	− 4.7	83	10	6.22	+1.56	15
1913	46.5	+ 0.5	85	9	7.22	+2.56	10
1914	41.8	− 4.2	78	2	3.62	−1.04	12
1915	37.8	− 8.2	65	11	2.11	−2.55	8
1916	43.5	− 2.5	74	4	3.39	−1.27	10
1917	45.9	− 0.1	84	0	6.52	+1.86	14
1918	51.6	+ 5.6	85	17	1.97	−2.69	8
1919	47.6	+ 1.6	82	16	5.65	+0.99	9
1920	46.3	+ 0.3	84	− 1	4.85	+0.19	10
1921	56.7	+10.7	87	19	5.75	+1.09	11
1922	49.4	+ 3.4	83	19	8.11	+3.45	14
1923	45.6	− 0.4	80	8	5.27	+0.61	9
1924	41.5	− 4.9	81	14	3.05	−1.79	9

Climatological Data for March, 1924.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	20	42.2	−5.4	74	27	20	2†	45	3.55	−0.69	0.85	6.0	10	9	7	15	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	42	41.9	−5.4	71	28†	20	10	30	2.52	−2.11	0.69	5.2	8	7	7	17	nw.	E. W. Horr.
McLean	McLean	437	20	42.1	−7.1	72	29	23	16	37	2.44	−2.28	0.67	1.5	13	5	11	15	nw.	W. A. Taylor.
Calhoun	McLean	420	33	41.8	−5.5	71	27†	20	8	37	4.11	−0.77	0.96	T.	12	6	2	23	n.	Brick Southworth.
Earlington	Hopkins	420	33	41.8	−5.5	71	27†	20	8	37	4.11	−0.77	0.96	T.	12	6	2	23	n.	C. R. Lovell.
Greenville	Muhlenburg	519	7	°40.8	.....	73[c]	29	19[c]	8†	40[c]	2.91	.....	0.83	.....	9	9[c]	5[c]	14[c]	n.	W. W. Shelby.
Henderson	Henderson	382	15	.....	.....	.....	.....	.....	.....	.....	1.82	−3.49	0.55	1.5	13	.....	.....	.....	.....	.....
Hopkinsville	Christian	524	27	°42.4	−6.8	75[b]	27	22	8†	39[b]	3.01	−1.83	0.64	T.	10	12	2	17	sw.	W. E. Graves.
Marion	Crittenden	571	25	[b]41.0	−7.6	71[c]	28	19	10	28[c]	1.82	−2.97	0.65	3.0	6	9	9	13	nw	R. C. Paris.
Mayfield	Graves	364	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	N. E. Douthit.
Owensboro	Daviess	479	27	41.0	−5.9	68	27†	23	10	33	2.09	−2.69	1.00	T.	11	6	4	21	nw.	Henry S. Berry.
Paducah (near)§	McCracken	516	6	43.6	.....	79	29	23	8†	32	2.42	.....	0.75	2.4	8	14	2	15	nw	J. W. Lilley
Paducah	McCracken	341	35	.....	.....	.....	.....	.....	.....	.....	1.84	−2.55	0.54	1.0	7	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	13	42.3	−6.0	74	27	23	8†	40	2.95	−2.26	0.75	3.0	11	6	8	17	n.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	344	0	.....	.....	.....	.....	.....	.....	.....	2.73	.....	0.85	0.1	7	.....	.....	.....	.....	Thos. L. Wetzel.
Russellville	Logan	590	11	40.6	−8.6	72	29	21	8	38	2.43	−2.86	0.76	.....	8	13	2	16	n.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	23	38.8	−6.3	73	29	14	16	43	2.87	−1.37	0.74	5.4	9	7	5	19	w.	C. E. Barret.
Bardstown	Nelson	637	27	41.2	−5.4	79	29	17	16	40	2.16	−2.53	0.58	.....	10	8	3	20	n.	Chas. M. Talbott.
Bowling Green	Warren	500	33	42.6	−5.8	73	27	22	8	39	4.68	−0.24	1.95	T.	9	9	6	16	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	6	.....	.....	.....	.....	.....	.....	.....	4.41	.....	2.19	T.	6	.....	.....	.....	.....	Virgil M. Wharton.
Burnside	Pulaski	773	31	.....	.....	.....	.....	.....	.....	.....	3.42	+1.84	1.26	0.5	10	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	24	.....	.....	.....	.....	.....	.....	.....	4.34	+1.60	1.48	.....	10	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	10	.....	.....	.....	.....	.....	.....	.....	2.17	−2.09	0.87	1.0	11	.....	.....	.....	.....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	0	°41.0	.....	75[c]	29	21[b]	16	38[b]	3.03	.....	0.68	0.2	12	8	9	14	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	29	41.2	−4.9	74	29	16	16	38	3.64	−1.34	1.70	1.0	7	6	6	19	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	30	41.6	−5.0	74	29	21	16	34	2.56	−2.14	1.03	0.2	7	9	2	20	s.	Sidney Wood.
Franklin	Simpson	691	28	43.6	−6.5	74	29	21	8	35	3.00	−2.08	0.80	1.2	8	11	3	17	n.	Jos. H. Blewett
Gest, Lock 3	Henry	449	11	.....	.....	.....	.....	.....	.....	.....	2.53	−1.85	0.94	2.4	10	.....	.....	.....	.....	Albert Purvis
Glasgow	Barren	780	2	42.4	.....	74	29	21	8	34	2.90	.....	1.74	T.	5	11	1	19	n.	Dr. Fidelia Edwards.
Greensburg	Green	581	31	41.3	−5.3	70	28†	19	16	40	5.34	+0.31	1.25	1.2	12	8	1	22	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	21	.....	.....	.....	.....	.....	.....	.....	2.59	−1.85	1.24	0.5	7	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	26	41.8	−5.0	71	29	23	16	36	2.59	−2.01	0.78	1.2	9	5	7	19	w.	W. J. Piggott.
Junction City	Boyle	985	30	41.3	−4.8	75	29	20	8†	42	4.09	−1.08	0.98	2.9	13	14	12	5	sw.	William E. Grubbs.
Leitchfield	Grayson	635	28	40.8	−5.2	73	29	21	8	40	2.28	−2.51	0.73	1.0	9	6	13	12	nw.	John E. Stone.
Lexington	Fayette	989	36	39.1	−4.3	72	29	20	16	27	2.42	−2.30	1.02	2.4	10	9	3	19	nw.	U. S. Weather Bureau.
Littleflickman, Lock 8¶	Fayette	523	12	.....	.....	.....	.....	.....	.....	.....	2.99	−0.41	0.98	0.5	6	.....	.....	.....	.....	Horace Carter.
Lockport, Lock 2	Jessamine	436	12	.....	.....	.....	.....	.....	.....	.....	2.90	−1.57	1.01	1.5	7	.....	.....	.....	.....	Andrew J. Keenan.
LOUISVILLE	Henry	525	51	40.5	−4.9	71	29	23	10	32	2.96	−1.36	1.02	2.0	11	6	8	17	w.	U. S. Weather Bureau.
Do. (Cherokee Park)	Jefferson	534	14	40.9	−5.1	72	29	22	16	38	2.98	−1.43	1.00	2.2	13	7	5	19	n.	Wm. I. Hunt.
	Do.	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.30	.....	0.92	0.5	6	.....	.....	.....	.....	W. D. Farnsley.
Pilcher (Dam 43)	Meade	363	1	.....	.....	.....	.....	.....	.....	.....	2.81	−2.18	0.81	T.	10	10	6	15	.....	Sisters of Loretto.
St. John	Hardin	777	27	39.4	−5.7	72	29	18	8†	41	2.89	−0.26	1.35	.....	6	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6¶	Mercer	490	9	.....	.....	.....	.....	.....	.....	.....	4.54	+0.10	1.05	6.4	13	5	10	16	nw	E. B. Wilson.
Scott¶	Kenton	900	26	39.2	−4.2	71	29	22	27	31	4.54	+0.10	1.05	6.4	13	5	10	16	nw	Mrs. W. T. Miller.
Shelbyville	Shelby	825	34	40.2	−4.5	72	29	20	8†	36	2.87	−1.84	0.56	4.0	14	3	4	24	w.	E. D. Bourne.
Taylorsville	Spencer	489	21	40.5	−6.1	72	29	20	16	38	3.14	−1.50	0.63	0.8	12	8	5	18	nw.	H. K. Vaughn.
Tyrone, Lock 5¶	Anderson	476	5	.....	.....	.....	.....	.....	.....	.....	2.51	.....	0.80	.....	11	.....	.....	.....	.....	.....
Williamstown	Grant	943	20	39.0	−5.6	72	29	19	16	36	2.62	−1.76	0.58	6.0	12	6	6	19	w.	Mrs. E. S. Humlong.
Woodbury, Lock 4‡	Butler	533	6	.....	.....	.....	.....	.....	.....	.....	4.20	.....	1.79	0.5	9	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	5	43.0	.....	80	29	20	17	37	2.46	.....	0.92	.....	9	9	0	22	nw.	W. B. Shaw.
Beattyville	Lee	650	19	41.8	−4.1	80	29	15	16	40	3.56	−1.52	1.04	1.5	11	5	7	19	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	20	40.8	−6.3	76	29	21	16	36	4.07	−0.69	1.31	2.5	17	6	4	21	nw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	11	.....	.....	.....	.....	.....	.....	.....	3.39	−0.77	1.45	1.2	10	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	684	6	.....	.....	.....	.....	.....	.....	.....	2.40	.....	0.87	1.0	8	.....	.....	.....	.....	T. H. Kehoe.
Falmouth	Pendleton	600	35	.....	.....	.....	.....	.....	.....	.....	2.66	−1.43	0.95	2.0	7	10	2	19	s.	J. V. Oldham.
Farmers	Rowan	668	14	41.8	−3.3	75	29	16	16	43	2.65	−1.80	1.04	0.8	8	7	8	16	ne.	Mrs. Edna Tinsley.
Ford, Lock 10¶	Clark	559	6	.....	.....	.....	.....	.....	.....	.....	2.47	.....	1.28	1.0	9	.....	.....	.....	.....	John A. Walters.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	3.39	.....	1.18	1.0	12	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	629	5	.....	.....	.....	.....	.....	.....	.....	4.17	−0.18	1.16	1.5	8	5§	13§	10§	sw.	Dr. Dan. Fortune.
Jackson	Breathitt	776	1	°43.1	.....	81[c]	29	18[c]	16	37[c]	2.98	−1.11	0.90	.....	8	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	17	.....	.....	.....	.....	.....	.....	.....	2.82	−1.82	0.90	1.0	7	6	1	24	w.	Harry M. Robinson.
Maysville	Mason	524	26	40.8	−3.3	76	29	22	8	34	3.04	−2.54	0.98	T.	6	12	12	7	.....	R. H. Perkins.
Middlesboro	Bell	1128	26	45.8	−2.7	76	30	24	8†	33	2.73	−2.68	0.85	2.5	7	12	2	17	w.	W. R. McKee.
Mount Sterling	Montgomery	930	34	40.4	−3.3	75	29	24	8	35	2.34	.....	1.28	.....	4	.....	.....	.....	.....	M. W. Kinner.
Oliver, Dam 30	Greenup	540	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
											4.31	.....	1.27	3.0	7	.....	.....	.....	.....	Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	443	2	.....	.....	.....	.....	.....	.....	.....	4.02	−0.37	0.96	4.0	11	.....	.....	.....	.....	Robert Reuss.
Pikeville	Pike	634	18	.....	.....	.....	.....	.....	.....	.....	2.69	.....	1.30	.....	5	.....	.....	.....	.....	Walter P. Bush.
Ravenna, Lock 12	Estill	593	3	.....	.....	.....	.....	.....	.....	.....	3.24	−1.15	1.05	1.5	11	11	2	18	.....	J. W. Crooke.
Richmond	Madison	926	29	42.1	−3.3	75	29	20	16	34	3.00	.....	0.90	5.5	12	14	4	13	sw.	A. K. Williams.
Sergeant	Letcher	1235	1	42.4	.....	76	29	20	17	44	3.59	−0.20	1.25	1.0	13	.....	.....	.....	.....	Thos. Sullivan.
Valley View, Lock 9	Madison	541	8	.....	.....	.....	.....	.....	.....	.....	3.09	.....	1.19	.....	9	.....	.....	.....	.....	Samuel Johnson.
Vanceburg, Dam 32	Lewis	525	7	.....	.....	.....	.....	.....	.....	.....	3.42	−1.50	1.12	2.8	9	20	6	5	.....	Lawrence R. Uhl.
Williamsburg	Whitley	939	26	43.8	−2.3	80	29	20	8†	41	3.32	.....	1.23	.....	9	.....	.....	.....	.....	Shelby Angel.
Willow Lock 13	Lee	611	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes				41.5	.....	81	29	14	16	45	3.05	.....	2.19	1.8	9	9	5	17	nw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

T. Precipitation is less than 0.01 inch rain or melted snow.

†Also on other dates. ††Received too late to be included in means and summaries.

§Lone Oak.

¶Post-office addresses: —Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

Maxom, west of Paducah, suffered severely in buildings destroyed. Three persons were injured in that section. Damage was also extensive in the vicinity of Covington and Newport.

Rivers.—A sharp rise occurred in the Ohio during the last week, otherwise stages were moderate. Flood stages had not been reached when the month closed.

Daily Precipitation for March, 1924

Stations	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Western Division.																																
Beaver Dam ..... G				.05	.40				.30	.50				.10			.10			.85	.05							.70	.50			3.55
Blandville ..... M	.04			.41					.55	T.	T.		.27	T.	T.		.20			.69			T.					.30	T.		.66	2.92
Calhoun ..... G	T.			.20	.09	.01	T.		.26	.16	.01	T.	T.	.02	T.		.05			.67	.01		T.		T.			.65	.30		.01	2.41
Earlington ..... G	T.	.01		.53	.42		T.		.45	.16	T.	T.		.18	T.		.04			.88	.01							.96	.40		.07	4.11
Greenville ..... G		.02		.12	.20				.35	.15				T.			.39			.70	.06		T.					.83				2.91
Henderson ..... O				.12	.10		T.			.33		.03		.05	.02		T.	.02		.30	.18	.05	.02					.55	.05		T.	1.82
Hopkinsville C	T.	.02		.20	.64				.36	.17				.16	T.		.04			.58								.39	.45		T.	3.01
Marion ..... O	T.			T.					.54	T.	T.			.15	T.		.05			.65	T.		T.					.40			.03	1.82
Mayfield ..... M																																
Owensboro ..... O	T.	.02		.09	.25	T.			.20	.10	T.			.03	.02		T.			.32	.02	T.	T.		T.			1.66	.04		T.	2.69
Paducah (twar) * ..... O	.10			.15					.65				.30	.12			.20			.75								.15			T.	2.42
Paducah ..... O					.09				T.	.54				.16		T.	.10			.45	.07					.26			.43			1.84
Princeton ..... G	.04			.49			T.		.53	.07	.01	T.		.12	T.		.20	T.		.75	T.		T.			T.		.25	.39		.10	2.95
Rumsey, Lock No. 2 ..... G				.06	.26					.04				.15	T.					.65	.22								.85			2.73
Russellville ..... G					.61					.38				.13			.09			.35	.10				.01				.76			2.43
Central Division.																																
Anchorage ..... O				.74		.04	T.		.22	.15				T.			T.			.60	.19		T.		T.	.01		.54	.34		T.	2.87
Bardstown ..... S					.23		.04		.17	.13		.02		.05						.58	.04							.43	.49			2.16
Bowling Green ..... G				1.05					.10	.40				.05	.10		.43			.55	T.			.05					1.95		T.	4.68
Brownsville, Lock No. 6 ..... G				.73		T.				.40	T.	T.	T.	T.	T.		.19			.54	.36	T.							2.19			4.41
Burnside C				.66						T.	.28	.06		.10	T.		.20			.26	.60	.04		.02					1.26			3.42
Carrollton (Lock No. 1) ..... K				1.48		.08	T.			.38	.02	.01					.01				1.07	.09				.26				.93			4.33
Cloverport ..... O	.01		T.	.35		.04	T.			.35	T.	.01		.04	.03		.02			.18	.32	T.	T.		T.				.87			2.17
Dix Dam, Burgin ..... K				.02	.41		.02		.06	.68		T.	.02	.02	T.		.02			.50	.12	T.	T.	T.				.51	.65			3.03
Elkhorn C					.65					T.	T.	.02	.02	.20						.30	.75											3.64
Frankfort ..... K		T		.36	T.	.03	T			.08	.02	T.		T.	T.		T.			T.	.99	.05		T.					1.70			2.56
Franklin ..... G									.80	.05				.07				.30	.13	.65									1.03	T.		3.60
Gest, Lock No. 3 ..... K					.44		.04			.26	T.	.04		T.						.04	.94	.10		.04		.09		.60	.40			2.53
Glasgow ..... G				.07	.47				.22	T.	T.		T.	T.						1.74									.54			2.90
Greensburg ..... G	T.		.01	.07	.97	T.	.01		.07	.17	.01	.01		.11	.02		.01	.12		.95	.05	.01	1.01					1.25	.49			5.34
High Bridge, Lock No. 7 ..... K					.30					.42	T.			.08						.12	.44	.02							1.24			2.59
Irvington ..... O				.44	T.	T.			.18	.10	T.	T.	T.	.04	T.		.04			.45	.04	T	T.	T.	T.			.78	.52	T.	T.	2.59
Junction City ..... K				T.	.98				.12	.22	.03	.05		.10	.02	.04				.88	.15	.01	T.					.74	.75			4.09
Leitchfield ..... G				.41		.03			.25	.15		T.		.06						.60	T.							.53	.20		.05	2.28
Lexington *** ..... K	T.			.25	T.	T	T.		.19	.33	T	T.		.02	T.		T.	.01		.40	.13		.07	T.				.69	.33	T.		2.42
Little Hickman, Lock No. 8 ..... K					.95					.35		T.		.08				T.		.13	.50	T.							.98			2.99
Lockport, Lock No. 2 ..... K		T.			.58		.02			.38	T.	T				T.		T.	T.		1.01	.04		T.		.01			.86			2.90
LOUISVILLE*** ..... O	T.			.59		T.	T.		.32	.16	T.	T.		.01			T.	T.		.71	.13		.01		.04		.60	.42		.03	2.96
Do. (Cherokee Park) ..... O				*	.67		T.		*	.38	T.			.02			.03			.52	.30		*	.03	T.	.03		* 1.00				2.98
Pilcher (Dam 43) ..... O		T.			.16					.30	T.	T.		.04	T.		T.	T.		T.	.50			.08				.92				2.30
St. John ..... S		T.		.35	.06		.10		.10		T.	T.			.20		.01			.76	.02					T.		.81	.40		T.	2.81
Salvisa, Lock No 6 ..... K							T.			.56	T.	T.						.12		.12	.70	.10							1.35			2.89
Scott L	.06		.36	.70				.04	.04	.38	.10			T.	T.		T.			.65	.65	.04	T.		T.	.15		.32	1.05			4.54
Shelbyville ..... S				.22	.20		.16		.08	.25	.07			.10	.02		.05			.46	.32		.03	T.	T.			.56	.32			2.87
Taylorsville ..... S	T.			.16	.25		.04		.08	.36	.04	T.		.02			.02			.71	.13		.01		.04			.60	.42		.03	2.96
Tyrone, Lock No. 5 ..... K					.10		T.			.40	.06	.04		.03	T.	T.				.52	.30		*	.03	T.	.03		* 1.00				2.98
Williamstown L				.16	.58		.01		.04	.27	.02									.49	.28	.01			T.			.92				2.30
Woodbury, Lock No. 4 ..... G		.05			1.22		.04	T.		.38	T	T.		.02	T.					.47	.09	.01			T.	.09		.70	.30			2.51
Eastern Division.																	.20			.47	.09	.01			T.	.09		.15	.52			2.62
Ashland ..... O		.06			.12					.15	.14																					4.26
Beattyville ..... K		02			.86			T		.45	.15	T.	T.	.15	T.	T.		.08		.19	.92	.05				.10		.90	.02			
Berea ..... K	.02			.02	1.28		.02		.07	.19	.05	.03		.11	.02			.11		.66	.54	.04		T.		.04			1.04	T.		2.46
College Hill, Lock No. 11 ..... K	T.				.55		T.			.56	T.	.05	T.	.03	.01	T.		T.		.15	.15	.01	T.	T.		.02		.70	.61			3.56
Cynthiana L					.37	T.				.28	.03	T.								.54	.21	.03				.07			1.45			4.07
Falmouth L					.55		T.			.30	.01		T.								.95	.04				.05			.75			3.39
Farmers L		.12			.35			T.		.42	T.	T.		.10																		2.40
Ford, Lock No. 10 ..... K					.18		T.	T.		.42	T.	T.	T.	.01	T.	T.		T.		T.	.48	.08		.05					1.04			2.66
Harlan ..... K																		.02		.08	.36	.05		T.					1.28		.07	2.65
Heidelberg, Lock No. 14 ..... K		.08			.88		.05			.32			.06	.11	.02			.12		.07	.47	.03										2.47
Jackson ..... K		.32		T.	.84	.06			T	T.	.64	.30		T.	T.			.15		T.	.70								1.18			3.39
Louisa ..... B					.75	.09				.17	.05										.80			.12					1.16			4.17
Maysville ..... O		T			.40					.30	.08							T.		.90	.12		T.		.12			.90	.10			2.98
Middlesboro C	.04				.55					T.	T.	T.	.57	T.	T.					.98	.19					.71						2.82
Mount Sterling L	T.				.51				.04	.58	T.	T.								.46		.30	.02	T.	T.		.85					3.04
Oliver, Dam 30 ..... O					.33					.18											.52	T.										2.73
Oneonta Dam 35 ..... O		T.			1.10		.08			.38											1.27	.21	T.	T.		.18			1.28			3.31
Pikeville ..... B					.68					.44	.30	.22		T.	T.			.12	T.	.08	.90	.08		.16		.08			1.09			4.31
Ravenna, Lock No. 12 ..... K			T.		.94					.15	T.	T.		T.	T.			T.		.10	.20		T.	T.					1.30			4.02
Richmond ..... K				T.	.88					.35	.03	.03		.05	T.			.04		.26	.44		T.	.01				.10	1.05			2.69
Sergent ..... K		.06			.52	T.				.17	.25	.05		.08	T.			.06		.41	.04	T.	T.	.05				.41	.90			3.24
Valley View, Lock No. 9 ..... K		.05			.45		.02	.09		.30	.10	.20		.10	.15			.08		T.	.68	.12							1.25			3.00
Vanceburg, Dam No. 32 ..... O					.52		.02			.03	.09										1.10	.03		.06		.11			1.02			3.59
Williamsburg C					.65	T.				.33	T	.20		.12	T.			.13		.11	.71	.05							1.12			3.09
Willow, Lock No. 13 ..... K					1.23				T.	.25	.05	.03		.09						.12	.35	.10	T						1.10	T.		3.42
																																3.32

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

|| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

*Lone Oak.

Daily Temperatures for March, 1924.

Stations.		1	2	3*	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.																																	
Beaver Dam	Maximum	62	47	68	60	62	50	50	49	39	38	36	48	44	39	41	47	45	50	56	50	45	42	47	55	60	64	74	69	72	67	45	52.1
	Minimum	40	20	30	50	40	30	23	24	30	24	25	31	24	29	22	20	27	40	31	35	31	34	34	35	30	39	29	40	60	31	36	32.2
Blandville	Maximum	54	50	68	64	56	55	42	45	38	33	39	42	39	37	41	43	44	45	48	41	42	45	48	56	65	62	70	71	71	57	48	51.0
	Minimum	40	31	35	51	38	33	27	28	31	20	25	36	27	28	26	33	30	35	33	34	31	31	34	31	35	45	40	56	54	35	26	33.8
Calhoun	Maximum	60	46	66	62	58	53	50	48	40	37	35	44	41	39	40	43	42	46	46	46	40	41	46	52	62	62	71	67	71	67	44	50.1
	Minimum	37	37	29	47	39	32	27	24	33	24	26	33	25	30	25	21	30	39	30	36	32	35	34	36	29	45	34	46	59	36	27	33.4
Earlington	Maximum	58	44	64	61	58	53	50	48	40	37	35	44	41	39	40	43	42	46	46	46	40	41	46	52	62	62	71	67	71	67	44	50.1
	Minimum	44	29	32	50	39	30	27	20	33	24	25	33	25	30	25	21	30	39	30	36	32	35	34	36	29	45	34	46	59	36	27	33.4
Greenville	Maximum	60	..	65	59	62	55	55	45	42	43	36	46	46	43	39	45	47	46	47	49	47	41	48	53	64	64	72	..	73	..	51	†51.5
	Minimum	..	25	31	47	37	27	19	33	23	24	31	25	28	22	19	27	39	33	35	31	34	31	33	28	40	32	..	..	..	34	24	†30.0
Hopkinsville	Maximum	59	46	67	60	63	..	..	56	45	42	35	45	41	38	40	49	43	47	52	48	39	42	49	55	62	65	75	68	72	65	50	†52.1
	Minimum	37	29	28	45	38	28	28	22	33	23	23	31	28	28	25	22	31	39	35	36	32	34	32	34	41	45	51	55	61	66	71	†48.4
Marion	Maximum	64	56	69	64	60	51	53	40	44	33	33	39	42	35	37	39	45	45	44	47	40	41	45	51	55	61	66	71	..	..	25	33.6
	Minimum	42	31	37	51	38	34	25	28	30	19	25	32	27	28	26	22	30	35	33	33	31	34	34	37	37	43	40	55	50	35	..	.....
Mayfield	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Owensboro	Maximum	54	42	64	60	56	52	43	42	46	33	36	42	44	38	38	43	41	44	48	42	38	42	45	52	60	58	68	64	68	67	41	48.7
	Minimum	26	34	31	44	38	31	25	24	32	23	26	32	28	28	24	21	32	38	32	35	31	34	35	36	40	42	38	47	59	34	27	33.4
Paducah (near)	Maximum	64	49	64	64	62	56	50	48	47	37	40	45	44	38	45	46	45	47	43	47	44	45	50	58	64	66	75	75	79	65	51	53.3
	Minimum	40	31	34	44	39	33	29	33	32	23	26	32	28	28	27	24	31	37	35	34	35	34	34	36	35	44	40	43	55	35	27	33.8
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	54	44	66	62	58	54	51	46	48	38	38	44	40	37	41	45	42	45	48	45	40	42	48	53	63	66	74	67	71	67	48	50.8
	Minimum	38	29	28	46	38	31	28	23	33	23	26	33	28	30	27	23	32	39	34	37	32	35	34	38	31	44	34	50	58	37	28	33.8
Rockcastle	Maximum	58	48	65	59	57	54	40	46	39	31	35	44	42	34	40	46	44	48	49	40	36	41	45	54	67	66	70	70	72	64	47	49.3
	Minimum	39	26	30	36	39	28	29	21	22	25	24	30	27	28	25	22	27	33	36	38	33	33	31	33	29	36	34	45	53	39	34	31.8
Russellville§§	Maximum	60	46	65	56	56	56	50	47	43	39	33	34	41	43	40	34	45	43	44	45	42	42	41	42	51	58	66	68	66	73	64	45	48.5
	Minimum	36	18	25	37	36	24	21	17	26	22	22	27	21	27	20	14	22	35	34	36	33	34	35	36	32	42	35	37	56	32	29	29.2
Central Division.																																	
Anchorage	Maximum	60	46	65	56	56	56	50	47	43	39	33	34	41	43	40	34	45	43	44	45	42	42	41	42	51	58	66	68	66	73	64	45	48.5
	Minimum	36	18	25	37	36	24	21	17	26	22	22	27	21	27	20	14	22	35	34	36	33	34	35	36	32	42	35	37	56	32	29	29.2
Bardstown	Maximum	60	50	68	63	56	57	45	50	46	34	34	42	43	38	38	45	45	46	47	45	44	45	45	51	60	58	68	70	72	68	49	50.6
	Minimum	38	24	30	45	40	27	28	19	30	25	24	33	23	29	26	17	24	37	33	34	32	33	35	37	30	40	28	43	59	33	26	31.7
Bowling Green	Maximum	64	54	67	58	58	56	50	49	41	39	38	45	45	40	41	49	46	50	54	53	48	41	46	54	65	68	78	70	60	59	50	52.4
	Minimum	37	28	28	46	40	29	29	22	33	24	24	34	26	32	29	25	24	26	40	37	38	32	34	33	31	30	36	38	42	46	38	28	32.6
Dix Dam	Maximum	62	52	63	60	58	51	46	45	41	34	34	46	42	38	36	44	46	48	48	47	46	40	45	54	67	69	74	73	74	71	67	58	58	*50.3
	Minimum	33	27	30	38	39	28	27	22	28	26	24	32	26	29	26	21	23	38	32	35	32	33	36	37	33	44	38	46	61	59	66	68	74	67	50	*31.6
Eubank	Maximum	61	58	62	59	59	50	47	47	42	39	32	38	40	36	35	43	48	48	48	48	50	48	48	56	66	68	74	71	47	50	26	31.7
	Minimum	44	40	27	45	38	27	27	18	30	24	22	30	28	27	25	16	21	36	34	35	30	31	32	36	27	44	28	44	55	40	26	31.7
Frankfort	Maximum	62	56	61	60	59	49	39	43	42	36	37	41	42	39	38	43	45	47	47	44	42	45	49	58	68	64	68	74	71	47	50.1
	Minimum	34	27	31	36	40	29	29	23	31	26	24	34	28	30	27	21	25	39	36	36	33	34	37	39	38	44	30	36	58	38	31	33.0
Franklin	Maximum	62	46	65	61	60	55	54	50	46	41	36	45	44	40	40	48	47	49	54	53	47	42	43	54	66	67	74	68	73	59	40	27	34.0
	Minimum	43	28	34	57	39	29	30	21	34	25	22	31	26	27	24	22	29	40	36	38	32	33	31	35	31	42	38	51	62	59	69	70	74	67	52	51.3
Glasgow	Maximum	60	49	64	58	58	58	50	49	43	39	35	42	44	38	37	46	45	46	50	48	45	39	48	51	62	59	69	70	74	67	52	51.0	33.6
	Minimum	40	27	33	48	40	28	29	21	34	25	24	31	25	28	24	22	29	31	35	38	31	33	34	37	31	44	35	54	59	40	49	51.0	
Greensburg	Maximum	62	51	64	60	58	53	49	45	42	38	35	43	42	39	38	44	47	45	48	49	46	40	44	49	62	60	67	70	70	69	49	51.0	
	Minimum	36	29	27	38	41	26	27	20	31	26	23	32	24	29	25	19	23	38	35	37	31	29	31	37	29	45	27	41	56	39	27	31.6	
Irvington	Maximum	58	42	63	58	56	51	40	44	41	36	35	43	42	37	38	45	48	47	45	44	44	45	45	51	60	57	67	66	71	65	44	49.2	
	Minimum	40	27	34	48	33	27	24	32	25	25	33	30	30	25	23	30	41	37	35	32	33	37	39	36	44	31	50	60	36	29	34.5		
Junction City	Maximum	64	65	66	57	60	55	55	50	47	39	43	40	45	42	37	38	45	43	41	42	37	38	46	45	61	63	67	70	75	68	50	53.1	
	Minimum	37	26	30	40	39	25	22	20	28	24	22	31	28	25	24	20	25	29	32	33	31	31	34	32	28	32	25	35	42	39	25	29.5	
Leitchfield	Maximum	60	45	64	54	56	52	43	45	38	33	35	44	42	38	38	45	43	49	49	51	45	40	43	52	62	55	69	69	73	58	45	49.3	
	Minimum	35	25	31	45	39	29	26	21	31	24	23	32	25	28	22	22	28	38	35	34	31	33	34	37	31	43	29	47	58	34	27	32.2	
Lexington	Maximum	62	51	67	61	57	54	46	33	41	38	34	33	36	38	35	33	40	45	45	46	45	37	38	46	45	57	65	62	67	72	50	44	46.2	
	Minimum	36	25	34	49	34	29	26	22	29	21	24	30	28	26	24	20	32	35	32	34	36	31	36	38	40	38	36	51	45	30	28	32.0	
Louisville	Maximum	58	42	62	57	51	48	36	42	39	33	35	41	42	37	35	44	43	44	46	44	46	44	46	56	57	56	66	69	71	48	44	47.3	
	Minimum	37	27	36	44	37	32	25	25	34	27	34	32	29	28	25	33	38	25	36	33	34	28	36	40	40	34	49	41	52	29	33.7		
Do. Cherokee Park	Maximum	57	40	62	56	53	47	39	40	35	35	36	41	39	36	43	43	44	49	49	51	45	40	43	52	62	55	69	69	73	58	45	49.6	
	Minimum	37	26	30	41	37	29	25	24	30	24	23	33	26	28	27	22	27	34	36	32	33	35	37	37	44	29	39	57	35	28	32.2		
St. John	Maximum	60	46	62	57	56	53	41	46	38	34	35	45	41	36	39	39	43	48	48	45	45	40	43	52	62	55	69	69	73	58	45	49.3	
	Minimum	37	24	27	45	37	34	24	18	30	23	23	32	24	28	25	18	21	35	34	35	30	32	33	30	35	42	26	43	58	34	24	30.2	
Scott	Maximum	60	48	60	53	54	45	40	43	33	33	35	40	42	40	37	43	48	45	49	40	38	39	42	47	47	46	68	61	71	66	59	46.8	
	Minimum	38	22	31	43	34	27	25	22	27	24	24	32	27	27	24	23	25	35	32	33	33	32	36	35	38	40	32	42	54	34	26	31.5	
Shelbyville	Maximum	62	50	63	57	55	50	44	43	38	35	35	40	42	40	37	43	43	45	48	47	43	42	44	48	57	55	65	65	72	67	45	48.8	
	Minimum	35	23	29	42	34	27	25	20	29	23	22	32	27	29	25	20	25	37	34	35	31	32	35	36	41	29	45	57	34	32	31.6		
Taylorsville	Maximum	60	56	61	58	57	49	47	41	38	36	36	41	41	39	38	42	44	45	48	44	44	44	45	59	58	65	66	72	67	44	49.6		
	Minimum	31	25	27	36	39	28	28	21	28	26	24	34	26	30	26	24	24	36	36	33	35	36	38	33	45	27	35	58	37	28	31.4		
Williamstown	Maximum	60	53	58	55	53	46	45	38	37	33	34	37	46	35	32	41	39	45	45	44	39	38	42	48	47	51	62	65	72	70	44	46.8	
	Minimum	41	23	31	41	35	27	26	27	28	22	31	26	27	24	19	27	35	32	34	31	31	34	35	37	41	31	40	55	34	26	31.1		
Eastern Division.																																	
Ashland	Maximum	55	54	60	62	60	54	48	45	42	41	42	42	40	38	41	44	47	55	54	50	47	39	45	50	60	66	65	70	80	75	56	52.4	
	Minimum	32	27	31	33	40	35	29	25	32	29	25	25	31	27	24	28	30	36	32	30	32	37	41	36	40	42	38	43	59	41	33.5		
Beattyville	Maximum	65	55	65	63	61	52	49	48	45	40	35	39	43	39	36	45	45	50	49	51	52	47	41	48	51	63	59	67	72	80	73	56	32.8	
	Minimum	25	31	25	27	40	30	25	18	25	27	24	32	25	28	25	16	18	37	37	36	35	33	35	37	33	46	27	39	52	41	26	30.7	
Boyd	Maximum	62	51	63	59	54	49	42	41	43	36	33	39	40	36	34	40	48	48	47	48	42	38	44	48	56	56	64	74	76	67	47	49.2	
	Minimum	42	28	34	49	39	26	27	22	27	25	23	32	24	28	25	21	22	36	34	31	32	32	37	35	44	28	48	57	47	41	26	32.5	
Boyd	Maximum	56	57	65	65	66	56	55	50	50	44	40*	43	50	41	40	46	50	51	57	55	50	40	50	52	52	50	64	70	75	70	53	53.7	
	Minimum	39	27	28	31	39	29	26	19	24	25	22	31	26	26	21	16	18	35	34	33	32	31	40	37	35	42	27	27	55	40	23	30.0	
Farmers	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	
Harlan	Maximum	63	60	65	66	62	53	51	47	45	40	38	37	46	40	35	45	51	49	51	..	..	..	..	52	51	61	66	65	73	81	72	59	†54.0	
	Minimum	28	32	28	29	40	35	28	22	27	24	26	33	30	27	26	18	22	37	36	..	..	..	..	32	38	33	45	30	48	56	44	29	†32.2	
Jackson	Maximum	63	51	56	58	55	48	42	44	46	35	38	40	42	38	36	45	43	51	49	45	42	49	44	50	49	49	63	68	76	66	46	49.2	
	Minimum	28	32	28	29	40	35	28	22	27	24	26	33	30	27	26	18	22	37	36	33	32	33	32	32	38	33	45	30	48	56	44	29	†32.2	
Maysville	Maximum	63	51	56	58	55	48	42	44	46	35	38	40	42	38	36	45	43	51	49	45	42	49	44	50	49	49	63	68	76	66	46	49.2	
	Minimum	37	26	31	36	42	26	27	22	28	25	24	29	28	25	23	23	26	33	34	34	36	37	39	42	32	34	55	36	31	32.5			
Middlesboro	Maximum	61	55	62	60	60	62	52	52	53	50	35	37	42	40	37	45	57	56	55	57	50	43	49	49	62	62	67	70	75	76	70	54.9	
	Minimum	31	38	29	33	45	38	31	24	32	28	26	35	33	33	31	35	24	45	39	40	41	35	37	39	42	40	44	32	45	57	39	36.6	
Mount Sterling	Maximum	63	60	57	58	54	50	42	45	39	34	36	38	42	40	39	40	44	46	48	43	44	45	47	53	46	61	62	65	71	76	72	50	47.2	
	Minimum	29	25	34	39	39	30	24	23	27	24	26	27	26	27	26	27	28	31	34	32	33	32	32	34	34	45	36	38	44	32	45	57	39	28	32.9
Richmond	Maximum	60	52	56	60	60	49	40	43	44	32	34	40	43	40	38	45	46	48	50	47	45	40	45	50	62	65	71	76	72	70	58	51.3	
	Minimum	40	28	31	46	40	28	27	22	28	26	22	32	26	28	25	20	26	38	35	35	32	32	32	35	36	38	44	61	62	65	71	76	72	50	58	32.9
Sargent	Maximum	66	62	56	68	70	66	59	52	49	47	42	34	36	40	35	34	43	55	57	45	43	45	49	52	54	46	37	35	34	38	31	55	38	32	31.4
	Minimum	26	37	28	26	41	29	27	21	26	26	26	32	31	28	27	21	20	37	36	36	32	32	32	37	35	34	38	31	55	38	25	31.6	
Williamsburg	Maximum	65	56	66	65	61	53	52	50	51	45	34	38	42	40	37	45	56	55	55	61	52	40	47	49	65	64	69	69	80	75	61	55.1	
	Minimum	32	37	31	43	42	39	28	30	29	26	28	27	21	20	28	34	37	32	32	30	37	36	50	28	37	55	42	50	32.1				

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* *, etc., indicate respectively 1, 2, etc., days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., APRIL, 1924. No. 4.

GENERAL SUMMARY.

The month began with unseasonable cold, vegetation in a dormant condition, and farmers badly behind with their work. Many tobacco plantbeds remained to be sown during the first week, which is later than desirable. After the first few days the temperature rose sharply and continued generally favorable. Because of the frequent hard freezes and the light precipitation during the late winter, the soil worked exceptionally well, and progress in its preparation was correspondingly rapid. The light rainfall during the first three weeks scarcely interfered with plowing and planting, which nearly reached seasonal advancement by the end of the month. Early potatoes were planted during the second and third weeks, which is somewhat late. Most tobacco plants were not up until late in the month, germination being delayed in the earliest beds by cool weather. From one-fourth to one-half of the area sown to wheat was plowed up. Losses from winter-killing were greatest on the clay uplands of the north-central counties, where many fields appeared almost entirely bare. Even the wheat allowed to stand presented a spotted appearance, the plants being too much weakened by the winter freezes to stool out and cover the ground. Rye had suffered nearly as much as wheat, hence spring pasturage obtained from it was disappointing. Winter-killing of meadows, especially clover and alfalfa, ranged from one-half to three-fourths of the stand, therefore the larger part of these crops was plowed up for corn or tobacco. The probable shortage in hay influenced the sowing of a large crop of oats. A good stand of young clover was obtained in most districts. Fruit bloom was late but heavy, and there was no apparent injury from the frost of the 23d. Corn planting commenced in the southern counties, and cotton planting in the Purchase, about the 20th. The area devoted to cotton is being expanded northward in the extreme western counties. Pastures improved slowly but were scarcely ready for grazing until the last week.

TEMPERATURE.

The average temperature for the State, 41 stations reporting, was 57.4°, which is 1.5° above normal. Minimum temperatures below freezing occurred generally on the first two days. The 2d was the latest date on which killing frosts occurred in all parts of the State. Freezing temperatures and killing frosts were reported from the north-central and northeastern counties on the 23d. The extremes were 93° at Mayfield on the 15th, and 19° at Greenville on the 2d.

PRECIPITATION.

The average precipitation for the State, based on reports from 70 stations was 3.41 inches, which is 0.62 inches below normal. Precipitation was light and local in the periods, 4-5th, 8-9th, and 22d. Moderate to heavy showers were fairly general on the 17th and 18th, and from the 26th to the 30th. In the west-central counties, the total monthly amounts ranged between 4.0 and 6.0 inches, and from 2.0 to 3.5 inches in most other districts. Considerable snow occurred on the 1st and 2d in the northern half of the State, but most of it melted as it fell. The range in total precipitation for the State was between 1.76 inches at Ravenna, and 6.25 inches at Leitchfield. Thunderstorms were reported on the 6th, 8th, 9th, 14th, 16th, 17th, 21st, 23d, and daily from the 25th to 30th.

PRESSURE AND WIND.

Stations	Atmospheric Pressure (Reduced to sea level)					Wind				
	Average	Highest	Date	Lowest	Date	Total movement	Av. hourly velocity	Maximum velocity: Miles per hour	Direction	Date
Cairo ..... Ill.	29.96	30.42	2	29.42	29	6870	9.5	44	SW	15
Cincinnati ..... Ohio	29.98	30.46	2	29.54	29	6943	9.6	44	W	15
Evansville ..... Ind	29.95	30.44	2	29.52	29	8501	11.8	52	SW	15
Lexington ..... Ky	30.00	30.44	2	29.57	29	5705	7.9	44	SW	15
Louisville ..... Ky	30.01	30.45	2	29.58	29	7317	10.2	52	SW	15

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity			Sunshine			
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible	Percentage of possible.	Number of days with: 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	70	46	49	287	364	79	17	4
Cincinnati ..... Ohio.	69	48	58	267	357	75	13	6
Evansville ..... Ind.	69	46	54	265	357	74	13	4
Lexington ..... Ky.	74	54	....	272	357	76	14	4
Louisville ..... Ky.	69	48	59	269	357	75	14	4

COMPARATIVE DATA FOR APRIL.

Year	Temperature.				Precipitation.		
	Monthly average.	Departure from 45 year normal.	Highest.	Lowest.	Monthly average.	Departure from 35 year normal.	No. of days with .01 or more rain.
1880							
1881							
1882							
1883							
1884							
1885							
1886							
1887							
1888							
1889							
1890							
1891							
1892							
1893							
1894							
1895							
1896							
1897							
1898							
1899							
1900							
1901							
1902							
1903							
1904							
1905							
1906							
1907							
1908							
1909							
1910							
1911							
1912							
1913							
1914							
1915							
1916							
1917							
1918							
1919							
1920							
1921							
1922							
1923							
1924							

Climatological Data for April, 1924.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	20				90	16			2.52	−1.60	0.66	0	8	19	8	3	sw.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	42	58.8	+ 1.4	88	16	24	1†	32	2.78	−1.75	1.66	0	7	7	10	13	w.	E. W. Horr.
Calhoun	McLean	437	20	58.4	+ 0.4	86	16	24	2	43	3.37	−1.22	0.90	1.5	11	8	16	6	nw.	W. A. Taylor.
Earlington	Hopkins	420	33	58.4	+ 1.1	87	25	20	2	41	3.49	−0.88	1.30	0	8	21	0	9	sw.	Brick Southworth.
Earlington	Hopkins	519	7	*57.7	.....	87a	13†	19a	2	43b	4.11	.....	1.00	0	11	17a	6a	6a	s.	C. R. Lovell.
Greenville	Muhlenburg	382	15	.....	.....	.....	.....	.....	.....	.....	3.32	−0.32	1.30	T.	8	.....	.....	.....	.....	W. W. Shelby.
Henderson	Henderson	524	27	59.4	+ 2.6	89	16†	20	2	46	3.42	−0.93	1.34	0	8	12	5	13	se.	W. E. Graves.
Hopkinsville	Christian	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marion	Crittenden	571	25	*61.2	+ 3.9	87†	17†	24	2	34†	2.93	−1.65	1.58	0	6	10	10	10	nw.	B. C. Paris.
Mayfield	Graves	364	11	59.4	+ 2.2	93	15	25	1†	38	3.22	−1.33	0.70	0	8	18	9	3	sw.	N. E. Douthit.
Owensboro	Daviess	479	27	57.2	+ 2.0	83	16	24	2	36	4.14	+0.04	1.45	T.	9	16	7	5	s.	Henry S. Berry.
Paducah (near)§	McCracken	516	6	60.6	.....	88	16†	25	2	38	3.50	.....	0.90	0	7	20	6	4	nw.	J. W. Lilley
Paducah	McCracken	341	35	.....	.....	.....	.....	.....	.....	.....	3.09	−1.24	1.67	T.	7	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	529	13	58.6	+ 0.5	87	25	22	2	43	4.27	+0.27	1.06	0	9	10	11	9	s.	Dr. W. L. Cash.
Princeton	Caldwell	344	0	.....	.....	.....	.....	.....	.....	.....	3.47	.....	1.30	1.0	8	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2‡	McLean	390	11	57.6	− 0.2	85	16	21	2	47	3.34	−1.50	1.29	0	8	16	3	11	s.	E. C. Shelton.
Russellville	Logan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Anchorage	Jefferson	700	23	55.4	+ 2.2	85	16	23	2	44	4.17	+0.17	0.81	0.5	11	15	6	9	sw.	C. E. Barret.
Bardstown	Nelson	637	27	58.0	+ 2.7	85	15†	24	2	42	4.65	+0.78	1.40	0	11	14	3	13	sw	Chas. M. Talbott.
Bowling Green	Warren	500	33	59.4	+ 1.3	89	16†	23	2	44	4.46	+0.20	1.94	T.	11	18	2	10	s.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	6	.....	.....	.....	.....	.....	.....	.....	4.18	.....	1.04	T.	8	.....	.....	.....	.....	Virgil M. Wha in.
Burnside	Pulaski	773	31	.....	.....	.....	.....	.....	.....	.....	3.53	−0.67	1.03	0	11	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	24	.....	.....	.....	.....	.....	.....	.....	2.88	−0.30	0.95	.....	13	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	10	.....	.....	.....	.....	.....	.....	.....	3.99	−0.06	1.58	0.9	13	.....	.....	.....	.....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	0	57.6	.....	84	24	26	3	44	3.98	.....	0.73	T.	11	13	6	11	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	29	56.6	+ 2.3	86	25	24	2	40	3.57	−0.33	0.72	0	8	10	5	15	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	30	57.8	+ 2.5	83	16	28	3	36	3.63	−0.10	0.98	T.	9	17	2	11	w.	Sidney Wood.
Franklin	Simpson	691	28	59.9	+ 0.7	85	15†	21	2	39	2.64	−1.74	1.09	0	10	18	1	11	sw.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	11	.....	.....	.....	.....	.....	.....	.....	2.86	−1.16	0.82	0	9	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	2	58.2	.....	85	16	21	2	40	3.50	.....	1.25	0	6	17	3	10	w.	Dr. Fidella Edwards.
Greensburg	Green	581	31	57.0	+ 1.8	83	16	23	2	42	3.71	−0.14	0.94	0	14	9	5	16	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	21	.....	.....	.....	.....	.....	.....	.....	3.75	−0.01	0.74	0	9	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	26	58.2	+ 2.7	83	16	27	2	35	5.70	+1.68	1.17	T.	11	14	5	11	sw.	W. J. Piggott.
Junction City	Boyle	985	30	55.6	+ 0.7	82	24	22	1†	45	4.20	+0.26	1.44	T.	10	12	15	3	s.	William E. Grubbs.
Leitchfield	Grayson	635	28	57.1	+ 1.7	85	15	21	2	40	6.25	+2.17	1.85	T.	14	8	12	10	sw.	John E. Stone.
Lexington	Fayette	989	36	54.9	+ 0.6	82	15	25	1	35	3.75	+0.41	1.38	T.	14	8	12	10	sw.	U. S. Weather Bureau.
Littlelickman, Lock 8¶	Jessamine	523	12	.....	.....	.....	.....	.....	.....	.....	3.17	−0.66	0.82	0	8	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	436	12	.....	.....	.....	.....	.....	.....	.....	2.86	−1.44	0.95	0	10	.....	.....	.....	.....	Andrew J. Keenan.
LOUISVILLE	Jefferson	525	51	57.0	+ 0.6	83	16	28	1	37	3.29	−0.78	0.67	T.	12	10	9	11	s.	U. S. Weather Bureau.
Do. (Cherokee Park).	Do.	534	14	58.4	+ 2.3	82	16†	28	1†	41	3.81	−0.65	0.76	T.	12	12	7	11	s.	Wm. I. Hunt.
Pilcher (Dam 43)	Meade	363	1	.....	.....	.....	.....	.....	.....	.....	4.92	.....	1.58	T.	13	.....	.....	.....	.....	W. D. Farnsley.
St. John	Hardin	777	27	55.8	+ 1.4	85	16	23	2	46	5.71	+1.84	1.50	4.0	14	17	8	5	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	490	9	.....	.....	.....	.....	.....	.....	.....	3.06	−0.09	0.90	0	7	.....	.....	.....	.....	Ernest M. Searcy.
Scott¶	Kenton	900	26	55.5	+ 2.4	83	15†	24	1	44	3.66	−0.48	1.18	0.8	11	5	11	14	s.	E. B. Wilson.
Shelbyville	Shelby	825	34	56.2	+ 1.5	83	16	27	1†	40	3.89	+0.17	1.65	T.	7	9	3	18	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	21	56.5	+ 2.0	82	16	27	2†	43	3.02	−0.35	0.76	T.	11	15	8	7	s.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	476	5	.....	.....	.....	.....	.....	.....	.....	3.70	.....	0.85	T.	10	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	945	20	55.7	+ 2.9	83	16	23	2	43	1.92	−1.41	0.42	T.	11	8	13	9	w.	Mrs. E. S. Hamlong.
Woodbury, Lock 4‡	Butler	533	6	.....	.....	.....	.....	.....	.....	.....	4.79	....	1.40	T.	11	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	5	56.5	.....	84	21	26	3	46	2.32	.....	1.20	0	7	16	0	14	w.	W. B. Shaw.
Beattyville	Lee	650	19	57.0	+ 2.5	86	15†	22	3	50	2.49	−1.66	0.76	T.	8	4	7	19	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	20	56.6	+ 1.3	82	16	26	3	39	4.17	+0.48	0.92	0.5	14	7	11	12	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	11	.....	.....	.....	.....	.....	.....	.....	3.09	−0.17	0.82	T.	15	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	684	6	.....	.....	.....	.....	.....	.....	.....	2.07	.....	0.66	T.	9	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	35	.....	.....	.....	.....	.....	.....	.....	2.55	−0.92	0.90	T.	9	16	4	10	s.	J. V. Oldham.
Farmers	Rowan	668	14	53.4	− 1.0	78	15	21	3	43	2.12	−1.98	0.84	T.	9	15	7	8	ne.	Mrs. Edna Tinsley.
Ford, Lock 10¶	Clark	559	6	.....	.....	.....	.....	.....	.....	.....	2.53	.....	0.80	T.	10	.....	.....	.....	.....	John A. Walters.
Harlan	Harlan	1197	3	.....	.....	.....	.....	.....	.....	.....	2.54	.....	0.66	T.	10	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	629	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Dan. Fortune.
Jackson	Breathitt	776	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	17	.....	.....	.....	.....	.....	.....	.....	2.16	−1.15	0.62	0	7	.....	.....	.....	.....	.....
Maysville	Mason	524	26	56.2	+ 2.6	85	16	28	2†	49	2.47	−0.96	1.08	0	7	11	9	10	w.	Harry M. Robinson.
Middlesboro	Bell	1128	26	59.0	+ 2.4	82	24	23	3	42	4.80	+0.01	1.42	T.	11	17	12	1	.....	B. H. Perkins.
Mount Sterling	Montgomery	930	34	55.4	+ 1.8	85	16	24	2	43	3.43	−0.49	1.48	T.	11	10	12	8	w.	W. R. McKee.
Oliver, Dam 30	Greenup	540	4	.....	.....	.....	.....	.....	.....	.....	2.36	.....	1.20	T.	6	.....	.....	.....	.....	M. W. Kinner.
Onconta, Dam 35	Campbell	443	2	.....	.....	.....	.....	.....	.....	.....	2.30	.....	0.65	T.	8	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	18	.....	.....	.....	.....	.....	.....	.....	1.96	−1.62	0.64	T.	9	.....	.....	.....	.....	Robert Re ass.
Ravenna, Lock 12	Estill	593	3	.....	.....	.....	.....	.....	.....	.....	1.76	.....	0.55	0	7	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	29	58.6	+ 3.1	85	15†	27	2	42	2.75	−0.86	0.95	0	8	19	3	8	.....	J. W. Crooke.
Sargent	Letcher	1295	1	55.8	.....	84	24	24	3	49	2.65	.....	0.90	0	13	.....	.....	.....	.....	A. K. Williams.
Valley View, Lock 9	Madison	541	8	.....	.....	.....	.....	.....	.....	.....	4.79	+0.71	0.90	0	13	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	7	.....	.....	.....	.....	.....	.....	.....	2.66	.....	1.06	0	9	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	939	26	58.0	+ 2.3	84	24	25	3	46	3.55	−0.73	0.87	T.	10	17	10	3	.....	Lawrence R. Uhl.
Willow, Lock 13	Lee	611	2	.....	.....	.....	.....	.....	.....	.....	1.93	.....	0.45	0	7	.....	.....	.....	.....	Shelby Angel.
State averages and extremes		.....	.....	57.4	.....	93	15	19	2	50	3.41	.....	1.94	0.1	10	13	7	10	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference-letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
+ Also on other dates. †† Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.
¶ Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

MISCELLANEOUS.

April 26.—A man was shocked into unconsciousness by lightning, while working in a field near Bowling Green.

Rivers.—The Ohio River reached flood stages at Catlettsburg and Portsmouth on the 2d, Evansville on the 3d, and Cloverport

Daily Precipitation for April, 1924

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam (G)				.20																												
Blandville (M)				.20				.05								.16				.45					.06	.20	.65		.15		
Calhoun (G)	.07			.45				.01	.09					.08	.27	.01	.03			.30			.01		.22			1.66			
Earlington (G)	T.			.38	.15				.13					T.		.10			T.		.45		17	T.	.54	.58	.04	.90			
Greenville (G)	.02			1.00				.05								.09	T.				.47					.01	.96		1.30		
Henderson (O)	T.			.05					1.30					.22		.15					.18		.13	.07	.75	.25	.28	.93			
Hopkinsville (C)				.15	.18											.02	T.	.05			.18					.70			.90		
Marion (O)				T.				.50								.32	.04				.56				.05	.74		1.34			
Mayfield (M)				.05												.25				.25							.35		.58	1.00		
Owensboro (O)	.04	T.		.18	.18			1.45	T.					.05		.50	T.	.05			.15		T.		.67		.70	.45		
Paducah (near) (O)				.15										T.		.16	T.		T.		.15					.21	T.	.98		.70		
Paducah (O)	.01			.10												.35		.10			.50				.26			.90	.90		
Princeton (G)				.32					.09							.21		T.			.80										
Ramsey, Lock No. 2 (G)	.10			.28	.18			.65	.02					T.		.32	.10			.57						.78		.18	1.65		
Russellville (G)	.04			.19	.23				.07							.16					.47						.85	1.30		
																.37					.39						.76	1.29		
Central Division																																
Anchorage (O)	.05								.38					.42		.26			.08	.04											
Bardstown (S)	.05	.03			.22				.80						.56	.11	.16				.16		.53	.81	.63	.34		.63		
Bowling Green (G)	.10			.40	.10				.12							.25	.15				.65			.51		.40		.65		
Brownsville, Lock No. 6 (G)	T.	T.		.27	.26				.48							.33					.48			.10	.15	.50		1.94		
Burnside (C)	.10			T.	.40	.02			.08							.28	1.03	T.			.34		T.	.30		.23	.02	.73		
Carrollton (Lock No. 1) (K)	.06								.01	.02				.16		.02	.05		.36	.05	.33			.05	.04	.51		.33		
Cloverport (O)	.09	.03		.12	.08				1.08							.11	.02				.08			.02	.06	1.58		.68		
Dix Dam, Burgin (K)	.02	T.		.13	T.	T.		T.	.63					.04		.43	.47				.37	T.		.08		.73		.33		
														.14	T.						.21	T.						.65		
Eubank (C)																.20	.70				.30					.40		.30		
Frankfort (K)	T.	T.			.25				.72							.13	.98				.06					.76		.67		
Franklin (G)	.01				.03				.28					T.	.38	.07					.05					.14	.06	.15	.06	1.09	
Gest, Lock No. 3 (K)	T.	T.		1.06					.01							.70					.52					.82		.74		
Glasgow (G)					T.				.11					.18		.40	.09	.08			.14		.48	.82						
Greensburg (G)	.10			1.28					.12							.70					.52					.17	.19	.57		
High Bridge, Lock No. 7 (K)				.12	.32	.03			.42					.02	.03	.13	.62				.35			.23	.44	.59	.01	.16	.32		
Irvington (O)	.10			.11					.70							.05	.60				.35			.74		.52		.45		
				.25					.80					.23		.21	T.				.31			.14	.57	.67	.61	T.	.87		
Junction City (K)	T.			.29		.01			.73	.02			1.17			.19	.59	.35					T.	1.44	T.			.40		
Leitchfield (G)	T.			.42				.55						.18	T.	.32				.54			1.07	.15	1.85		.50	.82		
Lexington *** (K)	T.	T.		.03		T.		.05	.31					.03		.12				1.20	.20	.02	.17		.34	.16	.29	.25	.26	.35		
Little Hickman, Lock No. 8 (K)					.15		T.		.56					.12		1.20	.20	.02	.17					.34	.16	.29	.25	.26	.35		
Lockport, Lock No. 2 (K)	T.			T.		T.		.06							.18	T.	.82				.24				.70		.16		.42		
LOUISVILLE*** (O)	T.			T.				.27	.21					.15	T.	.34	.09	.02	.15				.95	T.	.47		.37	.26		
Do. (Cherokee Park) (O)	.08			.03				.02	.47					.64		.25	T.	.05	.12				.23	.44	.59	.01	.16	.32		
Pilcher (Dam 43) (O)	T.	T.		T.	.20				.98					.71		.21		.04		.12			.15	.64	T.	.76		.58		
														.05	.28	.28	.04	.05		.22			.18	.46	.25	1.58		.35		
St. John (S)	.02	.08		.04	.16			1.50						.03	T.	.18	.06			.40			.42	.12	.72	1.20		.78		
Salvisa, Lock No 6 (K)	T.				.15			.76							.38	.12	.90			.20								.35		
Scott (L)	.08					.03		T.						.05		.21	T.	T.	.20	.08	.35		.80	.20	T.	.48		1.18		
Shelbyville (S)	T.	T.			.02			.40						T.		.06			.05				T.	1.65		1.32		.39		
Taylorsville (S)	T.			.14				.51						.36		.22	.12			.16			.11	.76	.12	.76		.76		
Tyrone, Lock No. 5 (K)	T.				T.	T.		.36					.30		.85			.24		.03	.70	.08	.54		.40	.20				
Williamstown (L)	.05			T.	.20				.98					.05	.28	.28	.04	.05		.22			.18	.46	.25	1.58		.35		
Woodbury, Lock No. 4 (G)	T.			.29	.35				.19					.04		.38	.12			.51			.05	.30	1.40		1.16			
Eastern Division																																
Ashland (O)																																
Beattyville (K)	.04	T.				T.		.35								T.	1.20	.10		.09	.13					.40	.10	.36		
Berea (K)	.18			.12	.01	.01		.54								T.	.76	T.			.14		.56	.06	.22	T.	.36		
College Hill, Lock No. 11 (K)	.05	.02	.01		.02		T.	.54	.05					.19		.22	.69				.22		.02	.71	.03	.31		.92		
Cynthiana (K)	T.							.54						.19	T.	T.	.82	.10			.12			.30	.10	.35	.04	.38		
Falmouth (L)	.05					T.		.09						.14	T.		.66	T.		.10	.13					.06	.55	.04	.30		
																.15	.90		.25	.05	.15					.33	.32		.35		
Farmers (L)	T.																															
Ford, Lock No. 10 (K)	.07	T.			.02	T.		.54	.01					.10		T.	.84	.21		.03	.18				.10		.46	.15		
Harlan (K)	.12	.02												.10		T.	.80	T.			.17		.33	T.	.19	T.	.30			
Heidelberg, Lock No. 14 (K)								.55								T.	.66	.02		.22										
Jackson (K)																							.46	.01	.17		.31			
Louisa (B)								.28	.06																					
																.62	.10						.47		.32		.31			
Maysville (O)	T.	T.				T.	T.	.08						T.		T.	1.08	T.	.15	T.	.07		T.	.12	T.	.67	T.	.30			
Middlesboro (C)	T.			.56		.33		.12	.03							.28	1.42				.15			.31	.05	.22		1.33		
Mount Sterling (L)	.05	T.		T.		.03			.31					.13		.14	1.48			.12	.24		T.	.55	.02	.20		.30		
Oliver, Dam 30 (O)	T.															T.	1.20			.23	.11									
Oneonta Dam 35 (O)	T.								.13							T.	.20		.12	.25	.21			.65		.50	.05	.27		
Pikeville (B)		T.						.18	.06								.64	.08			.06			.38		.22	.12	.22		
Ravenna, Lock No. 12 (K)		T.							.30							.15				.14				.20	T.	.22		.55		
Richmond (K)	.03				.03				.61							.28	T.	.95	.05				T.		.30		.50		
Sergent (K)	.01	T.	T.	.10	.08	.20		.03	T.	.04	T.	T.	T.	T.	T.	.04	.59			.07				.23		.36		.90		
Valley View, Lock No. 9 (K)					.10		.10	.70						.25		T.	.90	.04			.15			.64	.70	.45	.03	.73		
Vanceburg, Dam No. 32 (O)							.01	.25								1.06	.05		.20					.28		.55	.02	.23		
Williamsburg (C)	T.			T.	.86		T.	.07	.05					.09		.79				.21				.30		.24	.07	.87		
Willow, Lock No 13 (K)						T.		.43								.45			.15					.32	.04	.22		.32		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

on the 4th. Crests were only slightly higher, and the river receded rapidly to moderate stages.

Hail: 26th, near Buckner, moderate, causing some damage to twigs of trees.

Daily Temperatures for April, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.																																	
Beaver Dam	Maximum	39	54	68	68	65	67	80	87	79	63	70	74	80	80	88	96	84	61	65	71	84	74	68	84	84	79	73	69	74	65	..	72.9
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blandville	Maximum	41	55	66	62	59	67	71	83	71	59	64	69	78	79	83	88	76	67	69	66	76	64	69	80	84	78	67	69	69	62	..	69.7
	Minimum	24	24	37	44	46	49	47	53	53	41	38	43	49	61	59	74	52	41	39	51	50	44	37	50	62	62	56	49	51	51	..	47.8
Calhoun	Maximum	38	54	67	68	64	65	80	83	66	60	64	69	81	79	85	86	80	62	71	67	72	72	65	84	87	80	76	69	73	60	..	69.8
	Minimum	28	24	30	46	46	49	48	48	56	42	36	38	47	58	55	60	62	43	41	52	47	43	35	41	56	64	60	54	47	52	..	46.9
Earlington	Maximum	37	54	66	62	59	65	79	83	64	58	64	68	77	78	84	86	82	67	70	68	80	62	67	84	87	80	76	69	73	60	..	70.3
	Minimum	27	20	29	44	45	44	39	46	56	42	33	37	51	61	53	65	63	43	42	53	48	47	34	43	63	62	58	45	53	46	..	46.5
Greenville	Maximum	37	54	67	65	61	66	80	83	64	61	64	75	87	81	..	86	83	67	70	70	87	76	68	84	85	82	75	68	72	62	..	*71.7
	Minimum	25	19	27	43	42	44	38	45	53	41	31	35	48	55	52	..	61	41	36	49	45	41	32	41	59	60	59	52	42	50	..	*43.7
Hopkinsville	Maximum	38	57	70	69	63	67	80	86	77	60	67	71	81	83	87	89	80	71	74	71	83	73	76	87	89	83	75	71	73	61	..	73.7
	Minimum	26	20	31	43	41	46	37	48	56	43	36	35	48	56	52	60	61	41	36	45	47	42	37	41	56	60	59	52	44	52	..	45.0
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	61	65	75	77	79	83	87	75	67	69	76	76	59	77	87	84	77	69	70	68	..	*73.9
	Minimum	26	24	39	44	44	48	46	53	53	41	37	45	51	62	58	64	62	42	40	52	47	42	36	54	65	62	61	51	52	51	..	48.4
Mayfield	Maximum	39	54	65	62	58	68	70	83	76	58	63	75	76	80	93	87	84	67	69	69	75	72	70	82	85	87	76	69	72	62	..	71.5
	Minimum	28	25	34	44	46	50	44	53	55	43	35	39	40	60	60	63	60	42	40	50	50	44	38	44	58	60	54	63	50	52	..	47.4
Owensboro	Maximum	35	50	66	58	60	62	80	81	64	56	64	66	76	77	82	83	77	66	68	64	78	70	66	80	79	76	74	65	71	58	..	68.4
	Minimum	27	24	32	44	47	46	38	49	55	41	40	40	46	57	54	60	62	42	38	47	46	40	34	44	58	62	58	54	45	47	..	45.9
Paducah (near)	Maximum	38	55	68	62	65	69	81	84	79	61	69	71	79	82	86	88	82	70	72	71	70	76	71	83	88	81	75	72	80	65	..	73.4
	Minimum	28	25	36	45	39	55	45	52	54	42	35	38	51	62	59	65	57	39	41	48	50	45	39	45	63	63	59	51	52	52	..	47 8
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Princeton	Maximum	39	54	65	62	61	65	80	85	71	58	65	70	80	78	84	86	79	67	71	68	80	71	68	84	87	83	74	69	70	61	..	71.2
	Minimum	27	22	31	44	44	45	37	47	55	42	35	37	45	58	55	61	60	44	38	51	48	42	37	42	59	62	60	54	45	52	..	46.0
Russellville§§	Maximum	39	56	66	49	62	64	76	83	69	53	63	62	78	74	84	85	76	67	70	68	83	59	70	84	87	83	74	69	72	62	..	70.0
	Minimum	27	21	26	44	44	46	40	49	55	44	33	37	43	55	52	60	61	46	39	43	48	46	34	37	57	60	61	56	44	49	..	45.2
Central Division.																																	
Anchorage	Maximum	36	53	64	56	65	65	75	80	67	55	65	70	77	75	82	85	75	65	68	60	82	60	66	83	78	68	61	66	75	65	..	68.1
	Minimum	28	23	37	43	39	44	35	44	51	38	31	32	43	55	55	53	60	45	40	48	48	34	40	29	39	52	48	54	45	41	51	42.6
Bardstown	Maximum	42	53	67	55	64	65	77	82	74	59	62	68	76	77	85	85	76	67	69	69	83	76	76	86	89	86	77	72	74	50	..	70.5
	Minimum	29	24	28	47	43	47	35	47	56	40	32	35	47	54	56	61	61	45	40	52	44	41	31	43	56	59	56	56	42	53	..	45.4
Bowling Green	Maximum	37	57	70	63	65	67	80	85	69	57	67	70	81	82	88	89	80	69	64	69	83	76	76	86	89	86	77	72	74	50	..	72.9
	Minimum	27	23	30	40	43	49	40	49	56	44	36	38	46	55	53	57	61	48	40	48	43	45	35	42	55	60	60	60	46	53	..	45.9
Dix Dam	Maximum	37	57	70	63	65	67	80	85	69	56	66	71	81	82	88	89	80	69	64	69	83	76	76	86	89	86	77	72	74	50	..	72.9
	Minimum	27	23	30	40	43	49	40	49	56	44	36	38	46	55	53	57	61	48	40	48	43	45	35	42	55	60	60	60	46	53	..	45.9
Eubank	Maximum	29	27	26	41	40	50	37	47	56	42	33	33	46	52	52	57	61	43	41	53	47	43	34	43	58	60	58	54	45	51	..	44.1
	Minimum	50	50	66	57	64	61	74	79	72	58	60	65	74	72	82	81	74	67	64	63	80	71	67	82	86	71	70	68	71	69	..	69 0
Frankfort	Maximum	50	50	66	57	64	61	74	79	72	58	60	65	74	72	82	81	74	67	64	63	80	71	67	82	86	71	70	68	71	69	..	69 0
	Minimum	27	24	26	44	39	48	34	49	55	43	33	33	45	52	51	57	59	42	38	53	42	46	30	42	53	58	55	54	39	51	..	44.1
Franklin	Maximum	45	47	62	62	65	62	75	78	78	64	62	68	75	73	79	83	82	73	66	65	80	78	63	80	80	75	72	68	73	72	..	70 2
	Minimum	29	30	28	42	42	49	39	44	57	43	34	35	45	52	55	57	61	46	43	49	45	45	33	44	51	53	55	56	44	53	..	45.3
Franklin	Maximum	49	56	66	59	63	64	78	84	79	62	68	68	79	80	85	85	80	69	72	71	84	82	74	81	84	82	73	75	71	57	..	72.7
	Minimum	26	21	28	43	44	49	43	53	55	44	37	37	48	58	54	62	60	46	41	52	48	45	35	48	60	60	59	56	42	52	..	47.1
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greensburg	Maximum	46	51	66	60	63	63	76	81	75	60	61	67	75	78	82	83	77	69	67	63	80	75	65	81	76	76	71	68	72	62	..	69.5
	Minimum	29	23	25	45	42	44	34	44	55	44	32	32	43	52	51	58	61	46	40	53	41	46	32	44	53	59	58	56	40	52	..	44.5
Irvington	Maximum	35	50	65	57	65	62	75	72	68	58	61	68	75	77	82	83	78	69	67	62	81	71	61	80	77	73	74	65	73	61	..	68.2
	Minimum	29	27	34	47	48	52	42	57	58	42	37	40	49	59	59	63	69	47	41	52	46	43	34	46	59	60	59	58	46	53	..	48.3
Junction City	Maximum	46	50	67	55	67	65	75	81	73	58	60	71	75	79	79	73	71	75	72	81	76	79	82	79	68	71	70	71	73	55	..	70.1
	Minimum	22	23	22	37	37	55	31	41	54	33	30	30	48	49	48	56	59	42	44	40	50	45	35	37	49	53	51	4	36	40	..	41.0
Leitchfield	Maximum	38	51	66	56	64	63	77	82	64	56	63	67	76	77	85	84	76	64	68	67	82	70	69	81	77	78	74	66	73	55	..	69.0
	Minimum	28	21	29	45	46	48	37	47	54	42	35	35	45	56	54	57	60	47	40	45	44	43	33	43	56	60	56	55	44	52	..	45.2
Lexington	Maximum	33	45	63	57	64	59	72	77	64	52	57	63	71	72	82	82	68	59	62	56	78	53	63	80	74	61	72	64	72	63	..	64.6
	Minimum	25	28	36	46	45	46	42	44	48	40	39	45	47	55	59	62	49	41	40	43	43	41	38	53	59	51	53	49	47	48	..	45.2
Louisville	Maximum	35	50	64	55	63	61	74	79	64	56	63	68	75	75	82	83	74	64	66	57	82	56	65	81	78	65	69	65	73	58	..	66.7
	Minimum	28	30	36	48	48	50	45	47	48	42	40	43	52	55	56	62	50	46	43	47	45	43	38	50	62	58	56	51	50	50	..	47.3
Do. (Cherokee Park)	Maximum	35	50	64	55	63	61	74	79	64	56	63	68	75	75	82	83	74	64	66	57	82	56	65	81	78	65	69	65	73	58	..	66.7
	Minimum	28	30	36	48	48	50	45	47	48	42	40	43	52	55	56	62	50	46	43	47	45	43	38	50	62	58	56	51	50	50	..	47.3
St. John	Maximum	54	52	64	62	64	63	74	79	78	63	63	68	76	76	84	82	81	77	67	65	82	79	74	80	76	72	72	75	73	74	..	71.5
	Minimum	28	28	31	47	42	51	40	44	55	46	35	37	37	55	56	57	61	45	41	50	44	43	33	42	55	53	54	56	45	53	..	45.3
Scott	Maximum	54	52	64	62	64	63	74	79	78	63	63	68	76	76	84	82	81	77	67	65	82	79	74	80	76	72	72	75	73	74	..	71.5
	Minimum	28	28	31	47	42	51	40	44	55	46	35	37	37	55	56	57	61	45	41	50	44	43	33	42	55	53	54	56	45	53	..	45.3
Shelbyville	Maximum	54	52	64	62	64	63	74	79	78	63	63	68	76	76	84	82	81	77	67	65	82	79	74	80	76	72	72	75	73	74	..	71.5
	Minimum	28	28	31	47	42	51	40	44	55	46	35	37	37	55	56	57	61	45	41	50	44	43	33	42	55	53	54	56	45	53	..	45.3
Taylorsville	Maximum	54	52	64	62	64	63	74	79	78	63	63	68	76	76	84	82	81	77	67	65	82	79	74	80	76	72	72	75	73	74	..	71.5
	Minimum	28	28	31	47	42	51	40	44	55	46	35	37	37	55	56	57	61	45	41	50	44	43	33	42	55	53	54	56	45	53	..	45.3
Williamstown	Maximum	49	46	61	58	64	61	71	73	69	57	62	68	71	73	81	83	77	69	67	62	80	75	63	82	81	70	73	69	71	67	..	69.0
	Minimum	26	23	28	40	40	49	38	34	53	39	37	40	42	54	48	56	60	41	39	47	41	41	33	39	56	50	52	56	44	51	..	43.2
Eastern Division.																																	
Ashland	Maximum	45	57	60	62	63	61	71	68	72	65	62	71	74	77	83	81	79	79	67	61	84	80	63	83	80	74	77	75	70	69	..	70.4
	Minimum	27	27	26	33	48	49	34	34	51	43	36	33	47	47	50	51	62	41	41	39	44	45	31	47	45	54	45	56	48	53	..	42.6
Beattyville	Maximum	52	50	68	64	69	65	77	83	77	61	62	71	75	78	86	86	81	68	67	65	83	72	68	85	84	77	74	71	75	53	..	72.4
	Minimum	29	29	22	35	37	48	30	43	56	45	30	29	38	43	48	50	56	44	38	50	39	50	31	35	43	52	52	55	40	53	..	41.7
Berea	Maximum	43	44	65	56	66	61	74	80	70	57	60	68	73	72	80	82	75	64	64	61	80	70	64	81	78	70	73	68	71	66	..	67.8
	Minimum	28	28	26	45	40	50	41	43	47	39	32	37	41	51	50	57	61	42	41	52	43	46	31	45	56	53	55	55	45	51	..	45.4
Farmers	Maximum	43	44	65	56	66	61	74	80	70	57	60	68	73	72	80	82	75	64	64	61	80	70	64	81	78	70	73	68	71	66	..	67.8
	Minimum	28	28	26	45	40	50	41	43	47	39	32	37	41	51	50	57	61	42	41	52	43	46	31	45	56	53	55	55	45	51	..	45.4
Harlan	Maximum	48	48	63	60	62	62	70	71	71	61	69	64	75	75	78	77	75	70	63	63	77	77	63	75	72	70	71	70	69	67	..	69.2
	Minimum	28	28	21	32	41	48	29	32	54	37	27	23	32	41	47	50	55	42	37	42	40	44	28	38	40	52	46	55	37	51	..	39.2
Jackson	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	Maximum	41	46	64	56	68	64	74	71	68	58	63	71	76	74	83	86	76	71	67	60	82	76	64	84	82	78	79	71	74	65	..	69.6
	Minimum	29	28	28	37	42	50	37	35	56	42	32	35	46	51	50	55	63	43	40	48	42	46	34	34	37	44	49	59	43	52	..	42 9
Middlesboro	Maximum	65	51	65	65	65	63	73	80	80	72	58	67	71	75	80	81	75	66	65	69	79	77	69	82	79	71	65	72	73	68	..	70.7
	Minimum	34	34	23	42	47	51	41	48	60	53	42	37	43	47	52	54	61	48	40	55	47	52	37	49	57	50	55	57	44	56	..	47.2
Mount Sterling	Maximum	36	44	62	58	66	60	74	78	69	54	61	68	75	75	81	85	70	61	65	59	79	70	65	82	80	72	76	70	75	70	..	67.8
	Minimum	26	24	29	40	43	50	35	39	55	40	31	34	39	49	52	56	60	41	38	43	40	45	39	45	46	53	56	55	41	52	..	43 0
Richmond	Maximum	46	49	69	61	67	62	74	82	78	62	61	69	75	74	85	85	78	72	69	61	82	74	69	85	84	76	77	70	78	72	..	45.9
	Minimum	28	27	36	42	48	40	40	56	41	37	41	48	58	54	62	61	45	41	43	43	45	35	46	59	53	54	55	46	53	52	..	70.2
Sergent	Maximum	55	47	64	56	65	60	71	79	75	70	58	70	76	77	81	83	69	68	65	67	81	76	69	83	79	71	73	69	74	69	..	71.4
	Minimum	30	29	24	37	41	45	32	41	53	51	37	30	39	39	47	47	61	39	35	39	35	50	31	35	41	57	46	55	42	51	..	41.4
Williamsburg	Maximum	29	28	25	40	40	50	32	42	56	48	35	32	40	48	49	51	60	44	39	51	58	59	32	38	44	51	58	55	40	53	..	72.8
	Minimum	29	28	25	40	40	50	32	42	56	48	35	32	40	48	49	51	60	44	39	51	58	59	32	38	44	51	58	55	40	53	..	43.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, etc. indicate respectively 1, 2, 3, etc., days missing from record.

UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., MAY, 1924. No. 5.

GENERAL SUMMARY.

Low temperature, persistent showers, and lack of sunshine characterized the weather, and combined to produce an exceptionally unfavorable month. At its beginning farm work was scarcely abreast of the season but had made excellent progress. By the end however, it was from two to three weeks behind. Preparation of soil was practically suspended, and farmers made every effort to plant the fields already prepared for corn, during the brief intervals when this work was possible. Fortunately most of the corn land had been made ready in the month preceding. On the warm limestone soils of the bluegrass region and in the sandy bottoms, early corn came up to a fair stand; but on the upland clays the stand was poor and required extensive replanting. The cool, wet weather favored cutworm activity, which caused considerable damage to corn and tobacco plants. Wheat improved slowly and was fairly good when it began to head, but showers interfered with fertilization. For this reason, and also because of an uneven stand, it was apparent that the crop of bluegrass seed would be short. Oats and potatoes, more tolerant of cool weather, fared better than other crops. The slow growth of tobacco plants caused setting to commence about two weeks late. It was about one-half completed in the southern counties by the end of the month, but had just begun in the Burley district. Early cotton in the Purchase had to be extensively replanted. Planting was practically prevented in a new area east of the lower Cumberland and near the south border, where it was intended to experiment with this crop. Pastures improved, but not at their normal rate. Old meadows of timothy, clover, and alfalfa became very weedy and in many cases were not worth cutting. The first crop of alfalfa was allowed to stand too long because the weather was unfit for curing. There was an excellent prospect for fruit. Strawberries improved steadily, but rain interfered with picking.

TEMPERATURE.

The average temperature for the State, 41 stations reporting, was 59.9°, which is 5.7° below normal and, with the exception of May, 1917, the lowest since State records were established. On most days minimum temperatures ranged between 40° and 50°, falling as low as 38° at several stations on the 15th, 25th, and 26th. The extremes were 92° at Bowling Green on the 5th and 34° at Farmers on the 26th.

PRECIPITATION.

The average precipitation for the State, based on reports from 70 stations, was 5.04 inches, which is 1.07 inches above normal. Rain was reported from some part of the State every day in the month except the 5th. It was the remarkable frequency, rather than the amount, that interfered so seriously with farm work. Periods with light to moderate rains were: 7-14th, 24-25th; moderate to heavy rains, 20th-21st, 27-29th. Local showers occurred in the intervals between these periods. Rainfall increased from north to south, monthly amounts in the northern counties ranging between 3.0 and 5.0 inches and in the southern from 5.0 to 8.0 inches. Thunderstorms were reported on 20 days. Light hail, causing no damage, occurred as follows: Williamstown, 7th; Lexington, Taylorsville, 10th; Louisville, 3d, 10th, and 24th. Heavy hail in the vicinity of Glasgow on the 19th over a strip of country about four miles long caused damage to wheat, tobacco beds, and orchards estimated at $5,000.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour	Max. Velocity.* Direction.	Max. Velocity.* Date.
Cairo ..... Ill.	29.90	30.20	30	29.56	23	6447	8.7	48	nw.	23
Cincinnati ..... Ohio	29.88	30.18	30	29.50	24	5281	7.1	36	sw.	3
Evansville ..... Ind.	29.91	30.21	30	29.55	23	8192	11.0	42	nw.	23
Lexington ..... Ky.	29.89	30.21	19	29.60	8	9768	13.4	64	sw.	24
Louisville ..... Ky.	29.91	30.19	30	29.54	24	8861	11.9	50	sw.	24

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 60 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	76	52	60	324.2	439.0	74	13	2
Cincinnati ..... Ohio.	75	54	82	225.4	444.0	51	6	6
Evansville ..... Ind.	74	53	62	248.5	441.4	56	10	6
Lexington ..... Ky.	75	62	.....	163.6	441.4	37	4	12
Louisville ..... Ky.	71	49	59	240.5	441.4	54	6	5

COMPARATIVE DATA FOR MAY.

Year.	Temperature.				Precipitation.		
	Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more rain.
1889	63.6	− 2.0	94	28	4.03	+0.08	..
1890	63.9	− 1.7	93	32	4.22	+0.27	..
1891	62.6	− 3.0	90	29	1.78	−2.17	..
1892	64.6	− 1.0	90	36	5.49	+1.54	..
1893	63.2	− 2.4	96	37	5.59	+1.64	..
1894	64.5	− 1.1	99	32	3.54	−0.41	..
1895	63.9	− 1.7	99	29	3.16	−0.79	8
1896	72.2	+ 6.6	106	42	5.34	+1.39	11
1897	61.4	− 4.2	92	32	3.27	−0.68	10
1898	67.6	+ 2.0	93	31	4.52	+0.57	10
1899	68.8	+ 3.2	94	42	4.79	+0.84	11
1900	66.3	+ 0.7	96	29	3.49	−0.46	10
1901	63.7	− 1.9	97	34	2.65	−1.30	10
1902	70.0	+ 4.4	98	35	3.55	−0.40	9
1903	68.0	+ 2.4	98	29	3.09	−0.86	8
1904	65.0	− 0.6	98	33	3.05	−0.90	10
1905	68.0	+ 2.4	95	38	5.23	+1.28	11
1906	69.5	+ 3.9	95	31	2.54	−1.41	9
1907	61.3	− 4.3	93	30	5.07	+1.12	12
1908	66.7	+ 1.1	96	28	4.34	+0.39	12
1909	63.9	− 1.7	93	27	4.64	+0.69	12
1910	61.1	− 4.5	89	30	4.81	+0.86	12
1911	69.4	+ 3.8	105	29	2.46	−1.49	5
1912	66.7	+ 1.1	97	37	4.53	+0.58	10
1913	66.1	+ 0.5	99	29	2.92	−1.03	8
1914	66.5	+ 0.9	103	32	2.16	−1.79	5
1915	65.2	− 0.4	95	35	6.62	+2.67	15
1916	67.2	+ 1.6	98	33	4.02	+0.07	9
1917	58.9	− 6.7	92	30	3.43	−0.52	10
1918	69.4	+ 3.8	97	28	4.29	+0.34	8
1919	63.9	− 1.7	95	35	6.05	+2.10	14
1920	64.2	− 1.4	94	32	4.08	+0.13	11
1921	65.9	+ 0.3	97	32	2.45	−1.50	8
1922	67.9	+ 2.3	94	35	3.87	−0.08	10
1923	63.9	− 1.7	91	27	3.98	+0.03	13
1924	59.9	− 5.7	92	34	5.04	+1.07	14

Climatological Data for May, 1924.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	20	....	....	90	5†	....	....	....	5.59	+1.36	1.40	0	13	19	5	7	e.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	42	60.1	— 6.5	84	5	38	11	30	5.04	+0.80	0.91	0	13	7	11	13	sw.	E. W. Horr.
Calhoun	McLean	437	20	60.0	— 7.1	85	6	42	2†	32	4.97	+1.01	1.47	0	17	5	19	7	nw.	W. A. Taylor.
Earlington	Hopkins	420	33	60.8	— 6.4	89	5	37	25	39	5.90	+1.19	1.52	0	15	13	7	11	sw.	Brick Southworth.
Greenville	Muhlenburg	519	7	°60.2	....	87°	5	37°	11	37°	6.10	....	1.40	0	16	10°	12°	6°	s.	C. R. Lovell.
Henderson	Henderson	382	15	....	....	....	....	....	....	....	4.83	+0.89	0.95	0	13	....	....	....	....	W. W. Shelby.
Hopkinsville	Christian	524	27	61.6	— 6.0	90	5	37	2	41	5.90	+1.67	1.13	0	16	9	6	16	sw.	W. E. Graves.
Marion	Crittenden	571	25	61.2	— 5.9	85	5†	40	11†	36	5.85	+1.56	1.73	0	9	10	7	14	nw.	B. C. Paris.
Mayfield	Graves	364	11	61.6	— 4.8	86	5†	40	10†	33	7.48	+3.25	1.55	0	13	14	12	5	sw	N. E. Douthit.
Owensboro	Daviess	479	27	58.4	— 7.9	85	5	39	25	32	5.00	+1.16	0.93	0	13	11	5	15	s.	Henry S. Berry.
Paducah (near)§	McCracken	516	6	62.8	....	87	5†	40	11†	34	6.75	....	1.25	0	12	18	5	8	se.	J. W. Lilley
Paducah	McCracken	341	35	....	....	....	....	....	....	....	6.15	+2.34	1.16	0	13	....	....	....	....	Frank L. Brown.
Princeton	Caldwell	529	13	60.4	— 7.2	87	5	40	2†	35	5.17	+0.04	1.42	0	14	6	13	12	s.	Dr. W. L. Cash.
Rumsey, Lock 2 ‡	McLean	344	0	....	....	....	....	....	....	....	5.06	....	1.34	0	9	....	....	....	....	Thos. L. Wetzell.
Russellville	Logan	590	11	°60.2	— 6.2	87b	5	41b	11†	40°	4.71	+0.19	0.91	0	14	17°	6°	5°	s.	E.C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	23	57.6	— 6.5	87	6	36	1†	41	4.63	+0.79	0.94	0	14	11	7	13	sw.	C. E. Barret.
Bardstown	Nelson	637	27	60.0	— 7.0	89	6	38	25	44	5.77	+2.24	0.90	0	17	8	3	20	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	33	62.4	— 5.2	92	5	40	11†	41	6.32	+2.07	1.05	0	15	10	14	7	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	6	....	....	....	....	....	....	....	5.95	....	0.97	0	14	....	....	....	....	Virgil M. Whalin.
Burnside	Pulaski	773	31	....	....	....	....	....	....	....	7.53	+3.54	1.84	0	15	....	....	....	....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	24	....	....	....	....	....	....	....	4.46	+0.42	0.75	0	17	....	....	....	....	Charlie Oliver.
Cloverport	Breckenridge	375	10	....	....	....	....	....	....	....	4.78	+0.86	1.24	0	12	....	....	....	....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	0	°59.7	....	88a	6	40a	26	42a	3.61	....	0.93	0	16	7	18	6	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	29	59.0	— 5.0	85	5	36	15	40	6.13	+1.75	1.08	0	17	5	9	17	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	30	59.5	— 5.7	85	6	40	26	37	4.49	+0.68	0.86	0	14	12	2	17	w.	Sidney Wood.
Franklin	Simpson	691	28	°64.1	— 2.9	89	20	40a	11	40a	6.96	+2.56	1.32	0	14	20	3	8	sw.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	11	....	....	....	....	....	....	....	3.66	+0.11	0.48	0	14	....	....	....	....	Albert Purvis.
Glasgow	Barren	780	2	61.3	....	88	5†	40	11†	37	8.37	....	1.94	0	11	13	2	16	w.	Dr. Fidella Edwards.
Greensburg	Green	581	31	59.4	— 5.4	87	4	38	15	42	5.35	+1.06	1.10	0	16	5	0	26	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	21	....	....	....	....	....	....	....	3.80	−0.05	0.78	0	15	....	....	....	....	Miss Lulu Wood.
Irvington	Breckenridge	646	26	60.4	— 5.9	85	6	42	15†	34	4.60	+1.19	1.00	0	12	13	6	12	sw.	W. J. Piggott.
Junction City	Boyle	985	30	58.6	— 6.0	88	6	35	5	50	7.00	+2.91	1.32	0	19	11	17	3	sw.	William E. Grubbs.
Leitchfield	Grayson	635	28	60.2	— 5.3	88	5	40	15	39	5.26	+1.26	1.50	0	14	8	16	7	w.	John E. Stone.
Lexington	Fayette	989	36	58.2	— 6.1	84	7	42	1	35	3.04	−0.48	0.77	0	15	5	12	14	sw.	U. S. Weather Bureau.
LittleHickman, Lock 8¶	Jessamine	523	12	....	....	....	....	....	....	....	4.10	−0.09	1.06	0	13	....	....	....	....	Horace Canter.
Lockport, Lock 2	Henry	436	12	....	....	....	....	....	....	....	3.17	−0.26	0.52	0	15	....	....	....	....	Andrew J. Keenan.
LOUISVILLE	Jefferson	525	51	60.0	— 6.6	86	6	44	25	35	3.51	−0.13	0.94	0	15	5	15	11	s.	U. S. Weather Bureau.
Do.(Cherokee Park)	Do.	534	14	58.2	— 6.9	84	6	40	26	39	4.17	+0.44	0.75	0	14	7	15	9	s.	Wm. I. Hunt.
Pilcher (Dam 43)	Meade	363	1	....	....	....	....	....	....	....	4.98	....	0.85	0	16	....	....	....	....	W. D. Farnsley.
St. John	Hardin	777	27	58.6	— 6.1	88	5†	36	2	44	5.97	+1.99	1.90	0	13	17	7	7	....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	490	9	....	....	....	....	....	....	....	4.76	+1.55	0.70	0	13	....	....	....	....	Ernest M. Searcy.
Scott ¶	Kenton	900	26	57.2	— 6.6	86	6	38	22†	37	3.61	−0.45	0.52	0	19	3	13	15	w.	E. B. Wilson.
Shelbyville	Shelby	825	34	58.9	— 6.1	86	7	40	1†	37	5.98	+1.86	0.90	0	16	6	7	18	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	21	59.2	— 5.4	85	6	39	26	39	5.28	+1.70	1.44	0	14	12	5	14	s.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	476	5	....	....	....	....	....	....	....	4.43	....	0.80	0	16	....	....	....	....	H. K. Vaughn.
Williamstown	Grant	943	20	58.2	— 5.4	86	6	39	22	36	2.61	−0.95	0.45	0	15	6	12	13	w.	Mrs. E. S. Humlong.
Woodbury, Lock 4 ‡	Butler	533	6	....	....	....	....	....	....	....	4.84	....	1.06	0	16	....	....	....	....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	5	59.6	....	85	6†	38	26	39	4.49	....	0.65	0	15	14	0	17	sw.	W. B. Shaw.
Beattyville	Lee	650	19	60.3	— 3.9	89	7	38	26	41	7.55	+3.38	1.84	0	15	4	7	20	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	20	59.0	— 6.2	84	7	40	22	37	4.87	+0.81	1.51	0	15	6	13	12	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	11	....	....	....	....	....	....	....	4.51	+0.39	1.05	0	17	....	....	....	....	Kelly Walden.
Cynthiana	Harrison	684	6	....	....	....	....	....	....	....	3.52	....	0.61	0	15	....	....	....	....	P. H. Kehoe.
Falmouth	Pendleton	600	35	....	....	....	....	....	....	....	2.30	−1.37	0.45	0	12	11	5	15	se.	J. Y. Oldham.
Farmers	Rowan	668	14	50.6	— 7.1	85	7	34	26	40	4.37	+0.31	0.75	0	12	8	14	9	ne.	Mrs. Edna Tinsley.
Ford, Lock 10¶	Clark	559	6	....	....	....	....	....	....	....	4.04	....	0.83	0	15	....	....	....	....	John A. Walters.
Harlan	Harlan	1197	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Heidelberg, Lock 14	Lee	629	5	9	....	....	....	....	....	....	6.49	....	1.05	0	17	....	....	....	....	S. C. Cole.
Jackson	Breathitt	776	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Dr. Dan. Fortune.
Louisa	Lawrence	584	17	....	....	....	....	....	....	....	4.96	+0.89	0.92	0	13	....	....	....	....	Russian Copley.
Maysville	Mason	524	26	59.4	— 5.7	89	6	39	5	41	3.79	−0.26	1.12	0	10	12	8	11	w.	Harry M. Robinson.
Middlesboro	Bell	1128	26	61.8	— 2.7	88	6	43	3†	34	7.16	+2.95	1.90	0	13	20	9	2	....	B. H. Perkins.
Mount Sterling	Montgomery	930	34	58.2	— 5.9	88	6	38	11†	42	4.50	+0.21	0.92	0	17	9	10	12	w.	W. R. McKee.
Oliver, Dam 30	Grecnup	540	4	....	....	....	....	....	....	....	4.64	....	1.17	0	13	....	....	....	....	M. W. Kinner.
Oneonta, Dam 35	Campbell	443	2	....	....	....	....	....	....	....	4.05	....	0.68	0	15	....	....	....	....	Andrew M. Stanforth.
Pikeville	Pike	634	18	....	....	....	....	....	....	....	5.28	+2.13	0.86	0	16	....	....	....	....	Robert Reynes.
Ravenna, Lock 12	Estill	593	3	....	....	....	....	....	....	....	5.29	....	1.10	0	12	....	....	....	....	Walter P. Bush.
Richmond	Madison	926	29	60.6	— 5.0	90	6	42	15†	42	4.37	+0.79	1.18	0	16	13	4	14	....	J. W. Crooke.
Sergent	Letcher	1235	1	58.9	....	86	6	37	2	40	5.30	....	1.45	0	15	12	9	10	se.	A. K. Williams.
Valley View, Lock 9	Madison	541	8	....	....	....	....	....	....	....	4.44	+0.47	0.95	0	15	....	....	....	....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	7	....	....	....	....	....	....	....	3.60	−0.39	0.52	0	16	....	....	....	....	Samuel Johnson.
Williamsburg	Whitley	939	26	61.6	— 4.7	88	5	39	15	42	5.03	+0.93	0.88	0	13	8	13	0	.....	Lawrence R. Uhl.
Willow Lock 13	Lee	611	2	....	....	....	....	....	....	....	4.90	....	0.95	0	12	....	....	....	....	Shelby Angel.
State averages and extremes				59.9	.....	92	5	34	26	50	5.04	.....	1.94	0	14	10	9	12	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T. Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.
¶ Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

MISCELLANEOUS.

Rivers.—Crests near flood stage occurred in the Ohio between Cincinnati and Catlettsburg on the 16th and 17th. Flood stage was nearly reached at Cloverport on the 20th, and stages were above flood height at Evansville from the 20th to 24th. Plowing was delayed by extensive flooding of bottoms in western Kentucky.

Daily Precipitation for May, 1924

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam																																
Blandville.....G	.15	.25																														
Calhoun.....M			.01			.22	.89	.48	.16	.20	.18	.08	.04	.50	.28				1.40	.40			.40		.25	.20	1.60					
Earlington	.04	T.					.61	.57	.10	.15																						
Greenville.....G	.05	.10								.12	.09	.01	.13	.03					.60			.91	T.								
Henderson	.14	T.						.80		.17	.04	.18		.40				T.	.06	1.47	.03	T.	.39		.16	.80	.03	.79				5.59
Hopkinsville.....O		.90			T.	.80	.52	.02	.28	.05		.31	.18	.09					1.52	.54			.49	.30	.25	.68						4.64
Marion.....C	.08	.04		.06			.60	.05	.10	.15	.02		.20						1.40	.06			.52	.01	.23	.31	.97	.66				4.95
	.01					.54	.69		.15	.06	.03		.34	T.	.12				.95	.25			.45		.16	.10	.35	1.20				5.90
Mayfield					T.	.98		.35	.32			.12		T.					1.05	.44			.55			.25	.31	.50				6.10
Owensboro	.05			.25			1.45		.52	.25	.25		.45		.01				1.74				.58	T.		.24	.35	1.14				4.82
Paducah (near)	.23	T.		.07						.15		.65							.92	.34			.68		.50	.27	.90					5.90
Paducah			.35			.70	.64		.24	.12	.08			.20					1.35	T.		T.	.70									5.89
Princeton				.05		.22	.30	.10	.15			.65							.92	.34			.40		.10		.55	1.55				7.18
Ramsey, Lock No. 2			.01		T.	.40	.70		.23	.20				.15	.13			T.	1.42				1.20		.30	.93	.24	.59				5.60
Russellville	.18						.16	.12	.35	.01		.13		.07					1.25				1.16		.30	.20	.65	.90				6.75
	.03						1.25		.22									T.	1.42				.44			.44	.55	.97				6.15
Central Division						.06	.37		.37	.08	.02		.65		.01				1.34	.16		T.	.70		.15	.26	.45	.94				6.15
																			.66	.41			.50			.36	.22	.83				5.17
Anchorage																							.25			.20	.69	.91				5.66
Bardstown			.09												T.				.84	1.00												4.71
Bowling Green	.31		.08			.10	.94	.09	.76	.23		.04						.85	.61			.03	.07		.04	.54		.24				
Brownsville, Lock No. 6	.10	.05		.10			.73	.23	.56	.70	.20		.50		.03	.05			.90	.23			.11	.03		.16	.10	.85				4.63
Burnside	.28						.35		.60		.20		1.00		.05				.77	.57			.40			.18	.88	1.05	.22			5.77
Carrollton (Lock No. 1)	.24			.08			.81		.47	.45	.20		.78		.09				.97	.29			.34	.01		.15	.23	.85				6.32
Cloverport	.64			.11		1.02	.24	.01			.08		1.84	.14					.70	.44			.28			.43	.40	1.00	.60			5.95
Dix Dam, Burgin	.09	T.		T.		.45	.20	.46	.53	.19			.67	.01		T.			.49	.17		.01	.14	.02		.75	.07	.15				7.78
	.04			.08		.32		.08	.26	.22			.10						.95	.35			.50			.20	.65	.90				4.46
Eubank						.22	T.	.16	.18	.02		.66	.02					.08	.93	.40			.09			.14	.02	.56	.01			4.78
Frankfort	.25	.10																														3.61
Franklin	.33	T.		.05		.60	.35	.10	.10	.12		1.08		.08					.84	1.00			.43	T.		1.24	.08	.66				
Gest, Lock No. 3		.02	.07			.58	.10	.25	.38	.18			.45					.02	.86	.28		T.	T.	T.	.28	.10	.72	.05			4.78
Glasgow	.28	T.		.08		.72	.01	.68	.32		1.32							T.	.90	.23			.11	.03		.16	.10	.85				3.61
Greensburg	1.00					.44	.16	.27	.48	.14		.28						.40	1.09			.30				.18	.88	1.05	.22			6.13
High Bridge, Lock No. 7	.37			.09		.94		.54				1.11							.40	.42			.08		.15	.23	.60	1.05				4.49
Irvington	.30			.23		.03	.06	.31	.44	.07		.90						.54	1.25	.22			.25			.34	.07	.22				6.96
						.26	.09	.10	.16	.09		.55							1.16	.83			.07	.03		.28	.30	1.94				3.66
Junction City						.32	.28	.28	.08		.08	.29	T.					.20	.97		T.	.41		T.	1.00	.04	.65				8.37
Leitchfield	.98		.14		.02	.83	.40	.03	.39	.61		T.	.70	.04	.10	.01			1.32	.15			.37	.01		.50	.30	T.				5.35
Lexington ***	.08		.15				.63	.16	.27	.08		.40						.10	.22			.38		*	.35	.20	.84				3.80
Little Hickman, Lock No. 8			.07			T.	.15	.01	.48	.13		.26	.37	T.	.04		T.	.25	.67		T.	.02	T.	.08	.10	.02	.39				4.60
Lockport, Lock No. 2	.22			.10				.20	.12	.20	.10		.70		.05				1.06	.50			T.	.08	.10	.02	.39				5.26
Louisville ***		T.	.14																													7.60
Do. (Cherokee Park)	.08	T.	.12			.34	.16	.41	.52	.06		.14	.01	.02	T.			.40	.26			.09	T.	.08	.10	T.	.67	T.				3.04
Pilcher (Dam 43)		.08	T.			T.	.45	.08	.18	.36		*	.29				T.	.67	.41	.01	.06	.27	T.	.13	.38	T.						4.10
	.18		T.				.40	.10	.04	.59	.03	.11	.22				T.	.48	T.	.75	T.	.22			.60	.04	.26					3.17
St. John	.32																	.25	.58	.32	T.	.36		.10	.85	.05	.80					3.51
Salvisa, Lock No 6	.55		.15				.64		.45	.34			.44	.03					1.90	.34			.38	.04		.26	.10	.72				4.17
Scott		.01	.05	T.		.70	T.	.15	.45	.15		.48	T.					T.	.70	.40		.15				.18	T.	.60	.10			4.98
Shelbyville	.38	T.	.06			.05	.19	.48	.45	.25	.10	.05	.01	T.				T.	.70	.40		.20	.17			.45	.02	.28				5.97
Taylorsville						.46	.26	.64	.83	.19		.45		.03	.52	.19	.11		.90	.40		T.	.09			.37	.08	.17				4.76
Tyrone, Lock No. 5	.10		.08		.10	.40	.05	.11	.55	.14		.80	T.		T.	.46	.69		.48	T.	.75	T.	.22			.60	.04	.26				3.61
Williamstown	.42	.02	.02				.05	.06	.18	.36	.13		.10			.70	.30		.25	.58	.32	T.	.36		.10	.85	.05	.80				5.98
Woodbury, Lock No. 4	.27	.08				.10	.39		.20	.09	.03		.65		.09				.45	.15		.02	.05		.15	.08	.80				5.28
Eastern Division																			.60	.29			.11			.36	.07	.13				4.43
Ashland																							.40	.02		.26	.31	1.06				2.61
Beattyville	.60																															4.84
Berea	.97		.15		.04																											
College Hill, Lock No. 11	.14		.09	T.	.04		.36	T.	.42	.65		.48	.07						.60	.60			.15	.10		.15	.05	.30	.13			
Cynthiana	.30			.08	T.	.34	T.	.09	.12		T.	1.05	.01	.03				.03	1.13	.38		T.	.29		T.	.19	.05	.93				4.49
Falmouth	.43		.06		T.	T.	.30	T.	.05	.05		.70	.10	.03	.05				1.05	.65			.16	.05		.10	.05	.70	.10			7.55
	.29		.10				.12	.06	.58	.04		.61						T.	.06	.54			.06	.05		.23	.02	.48	.18			4.87
Farmers							.12		.30	.19		.17							.45	.07			.15			.32	.05	.09				4.51
Ford, Lock No. 10	.55		.15		.36			.14		.40	.18		.50	T.																		3.52
Marion	.25		.11		T.	.10	.13	.01	.22	.19		.64	T.	.02	T.				.75	.56			.16			.12		T.	.50			2.30
Heidelberg, Lock No. 14	.97																		.83	.48			.14	T.		.09	.14	.69	T.			4.37
Jackson	.35		.14		.12		.27		.28	.60		.61	.16						.92	.60			.32						.64	.62		4.04
Louisa	.72		.11																													6.49
Marysville						.30	T.	T.	.18	.12		1.12	T.						.90	T.	T.	T.				.15		.12		.10		4.96
Middlesboro	.53		.25																.88	1.10	T.		.42									
Mount Sterling			.09			.20		.28	.40	.06		.49							.42	.20						.27	T.	.40	T.			3.79
River, Dam 30	.44	.06			T.		.15	T.	.47	.18		.52	.20	.07	.06				1.03	.76			.70									7.16
Seconta Dam 35	.23		.30						.33	1.17		.18	T.		.60				.92	.58			.11	.04		.95	.27	1.90	.03			4.50
Skeville	.53	.06	.20				.21	.18	.48	.18		.12							.41	.35			.15	.11		.09	.11	.32	.18			4.64
	.34		.06			.18	.24		.42	.54		.16	.28						.68	.38			.16	.05		.27	.45	.09				4.05
Vienna, Lock No. 12	.46		.10		T.			.12	T.	.20	T.								.64	.86			.38	.12		.58	.06	.18				5.28
Richmond	.35											.90	T.	T.	T.											.08	.16	.54	.28			
Egent	.07		.10		.02	.06	.07	.01	.20	.08		.62		T.	.22		T.	1.18	.88	1.10	T.		.42		.15	.10	.44	.42				5.29
Valley View, Lock No. 9		T.	.35		.01	T.	.39	.20	.08	.38	.28	.77		T.		T.			.81	.57			.35			.12	.03	.70	.07			4.37
Vanceburg, Dam No. 32	.16			.23			.35		.26	.20		.40	.07	.23					.95	.46		.01	.02			.32	.20	.47				5.30
Williamsburg	.11							.13		.20	.37	.41	.03	.04		.04			.42	.29			.05	.07		.52	.05	.49				4.44
Willow, Lock No. 13	.85	.08				T.	.40	T.	.13	.05		.55	.54						.16	.73			.25			.63	.37	.85	.26			3.50
							.23		.33			.95	.05						.68				.21	.05		.15	.57	.53	.84			5.03
																																4.90

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

*Lone Oak.

Daily Temperatures for May, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.																																	
Beaver Dam	Maximum	69	76	80	86	90	90	77	73	67	60	60	76	79	66	60	75	79	77	79	71	70	78	80	74	75	74	78	82	86	70	77	75.3
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blandville	Maximum	65	71	78	83	84	82	65	57	59	53	65	68	77	67	59	69	74	73	81	64	66	73	76	74	69	67	76	76	80	66	72	70.6
	Minimum	47	44	51	55	57	54	54	43	44	39	38	45	50	46	44	44	55	59	51	54	50	45	53	54	67	69	72	75	82	66	71	69.5
Calhoun	Maximum	64	73	73	80	83	85	76	67	55	53	57	68	68	64	57	70	75	72	65	80	70	69	76	76	74	71	71	76	79	84	70	76	50.6
	Minimum	44	42	57	48	54	56	60	49	52	52	44	44	48	49	44	43	52	69	75	60	66	72	76	76	74	71	71	76	79	84	70	76	52.3
Earlington	Maximum	64	75	79	86	89	87	69	60	63	54	62	72	77	61	56	72	79	75	80	70	69	76	76	74	71	71	76	79	84	70	76	49.4
	Minimum	47	41	55	47	53	56	60	48	46	38	41	43	47	47	39	41	52	64	43	58	52	42	55	58	37	45	56	60	64	45	45	49.4
Greenville	Maximum	64	74	80	85	87	86	74	72	63	55	58	73	76	61	56	70	82	..	81	75	67	72	75	75	38	44	55	59	61	..	..	°73.1
	Minimum	43	48	50	48	52	55	71	66	54	55	65	74	79	64	59	72	79	78	85	78	72	75	80	75	71	72	77	83	85	73	78	°47.4
Hopkinsville	Maximum	67	72	80	86	90	89	71	66	54	53	65	74	79	64	59	72	82	41	69	60	44	59	52	43	49	51	39	46	56	61	64	48	49	74.3
	Minimum	47	37	47	57	52	54	59	47	44	47	40	42	43	46	42	41	49	60	44	59	52	43	49	51	39	46	56	61	64	48	49	48.9
Marion	Maximum	62	70	73	82	85	85	84	68	60	60	62	71	73	74	62	68	74	73	75	75	65	69	72	73	63	68	68	75	80	81	60	71	50.9
	Minimum	48	46	53	56	55	62	60	45	45	40	45	53	47	45	45	57	63	50	57	50	45	55	49	40	49	59	63	61	49	49	50	75	72.8
Mayfield	Maximum	65	71	79	83	86	86	74	60	60	53	70	69	77	76	62	70	75	75	82	81	71	68	75	76	76	69	69	69	72	79	67	71	50.3
	Minimum	47	45	51	54	54	59	59	44	45	40	47	46	48	48	47	42	55	49	49	58	52	45	54	50	40	49	59	63	61	49	49	71	68.3
Owensboro	Maximum	64	72	72	81	85	84	69	55	51	54	58	69	73	63	58	68	70	71	69	63	66	76	73	61	65	69	69	72	73	67	71	68	48.6
	Minimum	42	43	50	49	53	58	58	58	48	45	42	44	45	49	46	43	42	51	50	41	48	50	44	55	49	45	51	52	39	47	56	59	61	45	47	75.2
Paducah (near)	Maximum	67	75	80	85	87	87	79	60	62	65	67	72	75	80	79	73	76	74	81	70	72	78	79	79	72	71	79	79	82	70	77	75	50.5
	Minimum	49	45	52	53	58	61	57	45	45	42	40	45	46	50	49	45	57	62	48	56	52	44	55	51	40	51	58	63	59	42	49	50.5
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Princeton	Maximum	65	75	79	84	87	83	70	58	63	53	64	71	78	62	57	71	76	73	81	69	67	75	75	74	71	69	75	77	82	65	76	71.8
	Minimum	49	40	47	49	54	55	58	45	44	40	43	44	45	46	42	50	62	46	58	51	44	48	51	40	49	57	61	64	47	49	49.1
Russellville§§	Maximum	65	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	°71.6
	Minimum	48	43	58	..	..	50	56	49	45	46	41	46	47	48	41	41	46	54	43	50	54	42	51	56	41	45	56	60	64	48	48	°48.9
Central Division.																																	
Anchorage	Maximum	63	72	75	73	84	87	84	65	62	58	58	69	74	62	59	69	74	71	62	58	67	71	75	68	61	71	73	74	81	64	72	69.5
	Minimum	36	40	52	44	43	53	55	40	45	43	42	44	49	47	41	47	48	58	41	53	48	36	47	49	50	38	41	56	56	58	40	41	45.7
Bardstown	Maximum	66	72	76	82	88	89	86	65	60	61	57	69	74	62	63	68	75	78	62	43	56	50	41	49	50	38	41	56	57	56	58	40	47	45	48.1
	Minimum	43	40	48	45	44	55	54	46	44	43	45	49	51	43	44	46	50	57	67	69	79	84	77	70	76	82	72	70	73	80	89	85	78	48	49.0
Bowling Green	Maximum	67	76	81	87	92	91	81	75	66	65	60	73	80	66	47	49	42	43	47	53	45	58	52	44	48	55	40	45	55	60	65	48	49	45	49	°71.5
	Minimum	46	42	48	51	51	55	56	49	45	45	40	45	47	49	42	43	47	53	45	58	56	64	65	69	79	76	62	71	75	82	83	81	72	71	45	°47.9
Dix Dam	Maximum	64	70	75	73	83	88	86	66	59	59	57	68	74	70	58	66	74	..	75	64	65	69	42	47	52	44	40	58	56	61	51	45	47.1
	Minimum	45	44	48	44	41	52	54	52	46	45	43	47	49	50	42	44	47	..	43	55	49	42	47	52	44	40	58	56	56	63	49	45	70.8
Eubank	Maximum	65	68	72	78	85	84	84	65	59	60	49	68	70	69	55	65	71	74	77	74	63	68	78	75	72	70	74	78	81	71	72	70	47.1
	Minimum	46	42	48	45	45	51	50	50	43	43	41	48	50	49	36	37	43	57	40	56	52	41	45	57	37	41	55	56	63	49	45	71	70.0
Frankfort	Maximum	64	71	74	66	79	85	83	70	60	58	57	69	73	66	60	66	74	72	72	59	65	68	77	76	62	71	74	76	82	70	71	74	49.0
	Minimum	43	44	49	46	42	53	56	55	46	44	44	49	51	51	45	49	46	62	44	55	48	42	49	56	41	45	52	54	58	61	48	45	49.0
Franklin	Maximum	66	74	79	85	88	87	84	68	70	64	63	71	79	69	63	70	75	73	86	89	69	73	80	75	72	70	78	80	84	74	80	75	7
	Minimum	49	47	52	54	53	58	74	68	70	..	50	40	45	51	50	43	45	52	61	46	59	54	45	52	52	43	47	56	62	66	49	76	73.2
Glasgow	Maximum	64	74	78	82	88	88	80	65	61	56	74	74	74	65	58	70	74	76	80	77	68	73	78	75	74	44	52	49	42	45	57	60	65	49	50	49.4
	Minimum	43	50	50	56	51	59	53	50	45	45	40	43	49	51	50	41	51	44	44	58	54	44	52	49	42	45	57	60	65	49	50	46	47.4
Greensburg	Maximum	64	70	75	87	83	85	82	69	61	59	54	69	72	64	60	66	73	75	77	70	64	67	77	74	63	71	75	79	80	76	70	71.3
	Minimum	48	39	44	45	47	52	54	51	45	42	43	45	45	50	38	40	44	59	42	51	53	40	45	58	41	41	51	57	63	50	46	47.4
Irvington	Maximum	64	72	76	81	84	85	77	68	61	61	57	69	71	62	57	69	74	71	74	61	65	70	75	73	62	70	71	75	81	67	72	70	70.2
	Minimum	44	44	57	49	50	60	61	49	47	46	45	45	51	50	42	45	53	62	46	66	65	67	75	73	62	70	75	76	79	68	70	71.4
Junction City	Maximum	48	39	44	45	47	52	54	51	45	42	43	45	45	50	38	40	44	59	42	51	53	40	45	58	41	41	51	57	63	50	46	47.4
	Minimum	75	72	80	83	85	88	85	65	66	61	65	71	72	66	56	64	73	70	75	66	66	65	67	75	73	62	70	75	76	79	68	70	71.4
Leitchfield	Maximum	44	46	45	41	35	39	51	51	44	41	40	43	50	48	49	42	42	58	38	53	49	40	47	51	38	38	55	51	53	48	50	45.8
	Minimum	66	74	77	83	88	87	77	68	62	59	55	68	75	62	55	71	75	77	75	69	65	71	77	77	74	63	71	75	79	77	84	70	72	71.7
Lexington	Maximum	43	42	46	48	49	56	57	48	46	45	44	47	46	49	40	43	50	48	49	42	42	58	38	53	49	40	47	51	38	38	55	51	53	48	47	48.7
	Minimum	66	74	77	83	88	87	77	68	62	59	55	68	75	62	55	71	75	77	75	69	65	71	77	77	74	63	71	75	79	77	84	70	72	71	67	67.3
Louisville	Maximum	61	67	71	65	82	84	84	62	57	58	53	67	70	59	55	61	71	69	70	58	62	65	75	73	58	70	71	74	80	64	70	67	71	69.3
	Minimum	42	45	52	47	47	66	62	46	45	44	42	47	58	44	43	46	49	74	70	68	58	67	70	74	74	61	70	75	81	67	71	69	71	67	50	50.8
Do. (Cherokee Park)	Maximum	64	72	75	75	85	86	81	60	58	56	58	69	72	59	58	69	72	70	68	58	67	70	74	74	61	70	72	74	80	68	70	68	50	50	68.0
	Minimum	44	47	55	52	50	65	60	49	47	45	44	50	55	48	46	50	55	55	49	53	48	46	56	50	44	47	57	59	54	45	50	48.5
St. John	Maximum	68	73	73	70	83	84	77	60	58	52	58	67	72	62	59	67	74	70	68	58	67	70	73	61	68	69	70	73	80	68	70	68.0	48.5
	Minimum	42	42	42	46	44	56	56	52	47	44	44	48	58	48	44	49	50	62	44	53	47	41	50	50	43	40	55	58	59	44	44	45.3
Scott	Maximum	68	72	75	85	88	88	85	65	61	59	58	72	74	65	59	71	74	75	70	64	66	72	76	72	63	70	75	80	84	66	74	71.9
	Minimum	39	36	48	41	44	51	53	49	45	43	41	42	43	41	40	40	48	52	41	43	50	41	47	50	37	42	55	55	59	44	44	47.2
Shelbyville	Maximum	67	72	72	64	79	86	81	66	57	58	55	68	72	63	58	68	74	70	68	58	67	70	74	74	61	70	72	76	82	69	72	69.9
	Minimum	39	43	52	42	42	55	57	50	44	44	42	48	53	46	45	48	50	58	43	51	43	38	47	48	33	38	54	57	54	44	44	47.9
Taylorsville	Maximum	62	71	74	69	82	85	86	65	60	58	58	70	72	64	60	69	74	74	70	59	65	71	71	72	60	69	73	78	82	64	70	69.6
	Minimum	40	42	49	47	45	57	58	49	44	42	42	46	51	49	44	49	48	73	72	70	59	65	71	71	72	60	69	73	76	62	47	45	48.7
Williamstown	Maximum	63	71	75	73	81	85	82	62	59	68	56	67	72	65	63	68	73	72	70	67	56	65	68	76	70	64	71	70	73	75	66	71	68.5
	Maximum	44	42	48	43	42	64	55	52	48	44	43	48	52	52	45	48	46	61	43	55	49	42	48	48	42	39	57	70	73	66	71	68	54	45	47.9
	Minimum	61	70	72	69	79	86	83	70	57	58	57	67	73	60	57	67	74	70	67	56	65	68	76	70	67	64	71	70	73	75	66	71	68.5
	Maximum	40	43	52	45	43	58	57	51	43	43	41	47	53	48	44	47	49	60	45	52	44	39	51	49	41	42	55	57	60	49	42	47.9
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eastern Division.																																	
Ashland	Maximum	60	70	75	72	77	85	85	81	58	63	54	69	75	71	61	64	74	74	75	65	67	80	78	80	61	70	77	77	81	66	72	71.5
	Minimum	45	42	50	54	39	46	51	56	46	44	48	46	47	54	43	44	46	44	45	53	40	46	44	54	41	58	55	57	60	49	42	47.0
Beattyville	Maximum	66	72	75	76	88	87	89	77	62	60	55	71	74	72	61	66	74	77	80	72	69	72	79	75	65	73	79	81	83	72	73	73.4
	Minimum	48	40	43	46	68	46	52	54	43	41	45	44	43	52	55	64	71	73	75	56	50	40	52	53	41	43	55	55	44	38	55	57	61	42	42	47.2
Berea	Maximum	61	69	73	75	79	83	84	66	58	58	55	66	71	62	55	64	71	70	73	60	42	56	50	40	52	53	41	43	57	57	62	51	44	48.9
	Minimum	47	44	52	46	42	57	55	53	45	43	43	47	51	50	43	41	50	60	42	56	50	40	52	53	41	43	57	57	62	51	44	48.9
Farmers	Maximum	60	65	71	69	75	78	85	83	60	58	55	65	72	60	59	62	70	68	71	60	65	65	76	75	66	67	77	76	82	69	72	74	68.9
	Minimum	45	35	43	41	35	44	50	53	41	42	42	46	40	57	39	42	37	51	37	52	48	37	40	52	42	34	54	52	50	50	38	44.2
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Harlan	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Jackson	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maximum	62	72	74	69	80	89	88	73	58	61	59	71	74	65	60	66	76	75	72	59	68	68	79	71	64	72	77	78	81	70	74	70.8
	Minimum	45	43	51	45	39	50	54	52	45	47	41	48	52	51	41	46	46	57	44	54	48	40	50	55	42	40	55	56	59	48	45	48.0
Maysville	Maximum	72	70	75	82	87	88	86	75	61	59	55	68	70	65	63	65	71	74	80	58	58	46	58	56	40	50	55	42	40	55	56	59	48	45	49	72.8
	Minimum	45	44	43	48	53	54	53	58	43	44	47	50	45	56	44	52	45	58	46	58	56	40	50	46	42	41	55	52	42	45	57	62	63	55	49	50.8
Middlesboro	Maximum	64	70	75	82	87	83	88	86	75	61	59	68	70	65	64	70	75	74	63	64	64	68	76	64	59	71	77	78	82	70	71	70.0	70.0
	Minimum	44	40	48	43	43	53	52	56	41	43	38	54	49	51	39	42	41	50	40	50	48	41	46	54	41	38	51	54	60	47	41	46.3
Mount Sterling	Maximum	64	70	74	70	83	88	87	65	60	60	55	69	74	64	58	63	72	73	76	59	66	56	50	42	52	55	43	44	57	59	64	49	47	49.9
	Minimum	44	40	48	43	43	53	52	56	41	43	38	44	45	41	39	42	41	50	40	50	48	41	46	54	41	38	51	54	60	47	41	46.3
Richmond	Maximum	65	70	74	75	86	90	87	71	58	61	55	69	74	64	58	63	72	73	76	59	66	56	50	42	52	55	43	44	57	59	64	49	47	49.9
	Minimum	45	43	51	49	44	59	58	55	46	44	43	48	52	50	42	45	49	59	46	56	50	42	52	55	43	44	57	59	64	49	47	49.9
Sergent	Maximum	64	75	74	78	84	86	83	69	59	58	54	66	72	65	60	62	73	76	82	79	65	68	80	71	76	75	83	81	83	72	74	72	71.8
	Minimum	47	37	38	45	50	46	51	55	42	38	44	45	41	50	43	44	41	45	42	55	55	46	41	43	45	40	41	59	62	42	44	46.0
Williamsburg	Maximum	64	72	81	84	88	87	87	75	64	65	55	71	77	73	64	70	76	73	84	81	69	72	76	74	63	71	75	77	85	86	80	74	75.5
	Minimum	46	40	41	46	46	49	51	55	41	43	43	45	42	53	39	47	43	53	42	58	64	43	42	56	41	41	56	60	63	52	46	47.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

a, b, c etc. indicate respectively 1, 2, 3 etc., days missing from record.

551.5
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., JUNE, 1924. No. 6

GENERAL SUMMARY.

Unseasonably cool weather continued during the first week, after which favorable temperatures prevailed. Farm operations were seriously hindered throughout the month by the persistent rains. Although precipitation averaged only slightly above normal, its extraordinary frequency kept the soil almost continuously too wet for corn planting or cultivation. Early corn became very weedy, but fields planted in the occasional intervals when this work could be done, were generally reworked before planting. Corn planting continued throughout the month, whenever possible, but was not completed on many farms. The warm weather caused rapid improvement in early corn, which soon assumed its normal dark green color. Except on the well drained upland soils of the bluegrass and central hills, cultivation made little progress. Wheat improved slowly until time of ripening. Harvest began near the south border about the 20th and reached the northern counties during the next decade. The showery weather contributed to securing a good stand of tobacco, although considerable replanting was necessary because of cutworm damage. Delay in setting and some decrease in acreage were caused by lateness and scarcity of plants of the proper size. Transplanting continued, as plants became large enough, until the last week. There was little opportunity to cure the first crop of alfalfa, which, in many cases, stood until the end of the month, at which time the second crop ranged from stubble to a stage ready for cutting. A large acreage of cowpeas and soybeans, principally the latter, was planted during the last two weeks, to make up for the lack of other forage. Oats, potatoes, and gardens made excellent progress. There was improvement in the crop of bluegrass seed, but the fair weather came too late to greatly benefit it, except to aid in stripping and curing. The situation on the farm improved slowly, but work remained about two weeks behind.

TEMPERATURE.

The average temperature for the State, 41 stations reporting, was 74.2°, which is 6.3 above normal. Minimum temperatures between 40° and 55° occurred at most stations during the first week, after which daily means were near or above normal. Extremes at the various stations were 99° at Bowling Green and Beattyville on the 20th, and 42° at Anchorage on the 1st.

PRECIPITATION.

The average precipitation for the State, 70 stations reporting, was 4.39 inches, which is 0.30 inch above normal. Rain in amount sufficient to measure was reported from some locality in the State every day. Showers occurred more or less generally as follows: central and east, 4-6th; east, 9-11th; in all districts, 21st-24th, 27th, and 28th. Daily amounts were extremely variable and local, generally attending thunderstorms, which were reported on 23 days. There was also marked irregularity in areal distribution. Monthly amounts ranged between 5.0 and 8.0 inches in the eastern mountain region, from the lower Kentucky River basin to Jefferson County, and in other restricted areas. In most western and central counties, and in the northern bluegrass, they ranged between 2.0 and 4.0 inches. The extremes for the State were 1.92 inches at Burnside and 8.37 inches at Ravenna. Heavy hail occurred at Blandville on the 12th and light hail at Hickman on the 13th.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.92	30.17	30	29.71	7	5542	7.7	30	n.	17
Cincinnati ..... Ohio	29.93	30.13	30	29.64	28	3986	5.5	34	sw.	28
Evansville ..... Ind.	29.94	30.17	30	29.74	15	6947	9.6	58	sw.	20
Lexington ..... Ky.	29.94	30.13	22	29.71	15	7704	10.7	48	sw.	20
Louisville ..... Ky.	29.95	30.13	30	29.68	15	6540	9.4	42	nw.	26

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 20 per cent or more.	20 per cent or less.
Cairo ..... Ill.	87	66	70	327.9	440.1	74	11	0
Cincinnati ..... Ohio.	81	64	70	294.1	446.0	66	9	2
Evansville ..... Ind.	78	57	65	297.7	443.0	67	8	1
Lexington ..... Ky.	83	69	.....	192.1	443.0	43	4	6
Louisville ..... Ky.	80	60	64	259.8	443.0	59	6	2

COMPARATIVE DATA FOR JUNE.

Year	Temperature. Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 30-year normal.	No. days with .01 inch or more.
1889	70.6	- 3.1	99	38	5.27	+1.09	..
1890	72.4	+ 4.7	101	51	4.96	+0.78	..
1891	77.1	+ 3.4	97	51	4.48	+0.30	..
1892	75.8	+ 2.1	101	48	4.20	+0.05	..
1893	73.3	- 0.4	97	46	4.64	+0.46	..
1894	75.6	+ 1.9	102	35	2.69	-1.49	..
1895	75.9	+ 2.2	104	47	3.63	-0.55	..
1896	73.5	- 0.2	98	46	4.64	+0.46	10
1897	73.4	- 0.3	101	41	3.61	-0.57	9
1898	76.2	+ 2.5	101	45	3.90	-0.28	9
1899	76.1	+ 2.4	100	44	2.80	-1.38	8
1900	73.9	+ 0.2	100	40	6.14	+1.96	14
1901	75.6	+ 1.9	104	42	3.95	-0.21	9
1902	73.4	- 0.3	101	39	4.59	+0.57	11
1903	68.6	- 5.1	88	37	3.61	-0.57	10
1904	73.2	- 0.5	99	44	3.14	-1.04	11
1905	74.8	+ 1.1	103	45	4.49	+0.31	10
1906	73.9	+ 0.2	99	42	4.53	+0.35	11
1907	70.2	- 3.5	95	41	4.91	+0.73	11
1908	73.4	- 0.3	102	43	4.96	+0.18	7
1909	74.5	+ 0.8	99	43	5.03	+0.85	14
1910	70.0	- 3.7	99	36	5.20	+1.02	10
1911	76.2	+ 1.5	106	45	4.66	+0.12	10
1912	70.2	- 3.5	95	38	5.55	+0.63	10
1913	75.0	+ 1.3	107	38	2.57	-1.31	7
1914	78.3	+ 4.6	108	45	2.30	-1.88	5
1915	71.7	- 2.0	95	42	4.79	+0.61	12
1916	70.1	- 3.6	99	45	4.31	+0.76	11
1917	70.9	- 2.8	100	39	4.30	+0.12	10
1918	73.6	- 0.1	104	37	3.63	-0.55	8
1919	76.7	+ 3.0	103	51	4.00	-0.18	10
1920	71.9	- 1.8	100	44	3.42	-1.06	7
1921	72.8	+ 1.1	100	46	2.96	-1.28	8
1922	75.4	+ 1.7	100	44	3.70	-1.08	9
1923	73.8	+ 0.1	96	42	4.59	+0.41	9
1924	74.2	+ 6.3	99	42	4.39	+0.30	12

Climatological Data for June, 1924.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	20	.....	.....	97	20	.....	.....	.....	4.38	+1.21	1.90	0	10	21	1	8	s.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	42	74.2 − 0.8	92	28	51	2	28		3.75	−0.61	1.22	0	12	4	17	9	sw.	E. W. Horr.
Calhoun	McLean	437	20	74.5 − 0.9	92	19†	51	2	29		4.35	+0.76	1.16	0	12	4	21	5	sw	W. A. Taylor.
Earlington	Hopkins	420	33	75.8 + 0.2	95	19†	49	1†	34		3.12	−0.31	1.62	0	10	25	4	1	sw.	Brick Southworth.
Greenville	Muhlenburg	519	7	[a]74.4	93[a]	20	44[a]	1	33[b]		3.86	.....	1.10	0	10	18*	9*	2*	s.	C. R. Lovell.
Henderson	Henderson	382	15	.....	.....	.....	.....	.....	.....	.....	2.50	−1.61	0.90	0	11	.....	.....	.....	.....	W. W. Shelby.
Hopkinsville	Christian	524	27	76.5 + 1.3	95	19†	49	2	32		4.76	+0.48	1.43	0	11	16	9	5	se.	W. E. Graves.
Marion	Crittenden	571	25	75.0 0.0	90	20†	50	2	29		5.26	+1.68	1.14	0	11	10	13	7	sw.	B. C. Paris.
Mayfield	Graves	364	11	76.0 + 1.6	93	19†	52	2	26		3.63	+0.78	0.72	0	10	14	16	0	sw.	N. E. Douthit.
Owensboro	Daviess	479	27	74.2 + 0.1	92	19†	49	2	27		4.45	+0.88	1.56	0	13	13	5	12	s.	Henry S. Berry.
Paducah (near)§	McCracken	516	6	76.6	94	20†	52	1†	30		4.70	.....	1.65	0	9	21	8	1	s.	J. W. Lilley
Paducah	McCracken	341	35	.....	.....	.....	.....	.....	.....	.....	7.55	+3.03	1.98	0	13	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	13	75.0 − 0.7	93	19	49	2	28		3.80	+0.08	0.90	0	14	6	13	11	s.	Dr. W. L. Cash.
Ramsey, Lock 2 †	McLean	344	0	.....	.....	.....	.....	.....	.....	.....	3.90	.....	1.12	0	10	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	11	75.2 + 0.2	95	20	50	4	30		2.31	−0.83	0.84	0	8	20	7	3	s.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	23	73.0 + 1.1	94	20	42	1	33		4.47	+0.84	0.94	0	11	17	6	7	sw.	C. E. Barret.
Bardstown	Nelson	637	27	74.8 + 0.2	96	20	49	1†	34		3.07	−1.27	1.25	0	8	10	4	16	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	33	77.4 + 1.6	99	19†	51	1†	36		3.35	−0.52	0.80	0	9	26	4	0	s.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	6	.....	.....	.....	.....	.....	.....	.....	2.56	.....	0.66	0	12	.....	.....	.....	.....	Virgil M. Wharton.
Burnside	Pulaski	773	31	.....	.....	.....	.....	.....	.....	.....	1.92	−2.20	0.82	0	5	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	24	.....	.....	.....	.....	.....	.....	.....	3.04	−0.55	0.43	0	14	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	10	.....	.....	.....	.....	.....	.....	.....	2.82	−1.26	1.05	0	14	.....	.....	.....	.....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	0	[a]74.6	96[a]	20	49[a]	1	32[b]		3.65	.....	0.73	0	16	19	6	5	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	29	72.6 + 1.2	93	20	44	4	31		2.08	−2.00	0.93	0	10	7	19	4	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	30	74.3 + 0.7	94	20	49	4	28		5.35	+1.15	0.86	0	11	16	4	10	s.	Sidney Wood.
Franklin	Simpson	691	28	76.1 + 0.9	95	27	53	1†	29		6.20	+2.55	2.50	0	6	18	7	5	sw.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	11	.....	.....	.....	.....	.....	.....	.....	4.70	+0.57	1.66	0	11	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	2	75.5	95	20	51	2†	31		2.36	.....	1.35	0	6	18	9	3	s.	Dr. Fidelia Edwards.
Greensburg	Green	581	31	73.2 − 0.1	91	20	48	1	33		3.71	−0.74	1.60	0	10	7	0	23	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	21	.....	.....	.....	.....	.....	.....	.....	3.87	−0.05	0.89	0	10	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	26	74.4 + 0.7	93	20	51	4	27		3.20	−0.79	1.34	0	9	15	9	6	sw.	W. J. Piggott.
Junction City	Boyle	985	30	73.5 + 1.4	95	20	43	2	36		3.09	−0.62	0.66	0	10	12	18	0	s	William E. Grubbs.
Leitchfield	Grayson	635	28	74.3 + 1.4	94	20	51	1†	28		2.40	−1.59	0.75	0	8	19	9	2	sw.	John E. Stone.
Lexington	Fayette	989	36	73.0 + 0.8	92	20	53	2	27		4.04	+0.05	1.05	0	15	7	15	8	sw.	U. S. Weather Bureau.
Little Hickman, Lock 8¶	Jessamine	523	12	.....	.....	.....	.....	.....	.....	.....	4.89	+0.72	0.76	0	10	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	436	12	.....	.....	.....	.....	.....	.....	.....	4.95	+0.87	1.01	0	14	.....	.....	.....	.....	Andrew J. Keenan.
LOUISVILLE	Jefferson	525	51	74.4 − 0.3	93	19	53	2	25		6.20	+1.97	1.21	0	17	2	18	10	sw.	U. S. Weather Bureau.
Do.(Cherokee Park).	Do.	534	14	72.4 − 0.6	90	19†	49	4	27		5.70	+1.94	1.03	0	14	9	18	3	sw.	Wm. I. Hunt.
Pilcher (Dam 43)	Meade	363	1	.....	.....	.....	.....	.....	.....	.....	4.32	.....	2.10	0	12	.....	.....	.....	.....	W. D. Farnsley.
St. John	Hardin	777	27	73.8 + 1.5	96	20	46	2	32		3.65	−0.35	1.57	0	8	24	2	4	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	490	9	.....	.....	.....	.....	.....	.....	.....	3.37	−1.19	1.00	0	6	.....	.....	.....	.....	Ernest M. Searcy.
Scott¶	Kenton	900	26	71.1 − 0.5	91	20	48	4	24		5.04	+1.36	1.83	0	13	3	16	11	sw.	E. B. Wilson.
Shelbyville	Shelby	825	34	73.4 − 0.1	94	20	47	4	30		3.82	−0.94	0.60	0	15	12	9	9	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	21	74.0 + 1.5	95	19	46	1†	29		5.11	+0.85	1.29	0	13	13	7	10	sw.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	476	5	.....	.....	.....	.....	.....	.....	.....	4.64	.....	0.88	0	11	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	20	72.5 + 1.3	93	19†	47	5	30		3.24	−0.60	0.80	0	14	13	12	5	w.	Mrs. E. S. Hamilong.
Woodbury, Lock 4 †	Butler	533	6	.....	.....	.....	.....	.....	.....	.....	4.88	.....	1.94	0	16	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	5	73.6	95	20	49	1	29		5.48	.....	2.65	0	12	11	0	19	w.	W. B. Shaw.
Beattyville	Lee	650	19	74.1 + 1.4	99	20	48	1†	34		7.90	+3.36	2.20	0	13	5	15	10	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	20	72 6 − 0.3	91	20	47	1†	29		6.05	+1.50	1.00	0	13	6	13	11	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	11	.....	.....	.....	.....	.....	.....	.....	3.57	−0.59	1.10	0	12	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	684	6	.....	.....	.....	.....	.....	.....	.....	3.12	.....	0.66	0	13	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	35	.....	.....	.....	.....	.....	.....	.....	2.90	1.27	0.49	0	14	10	11	9	s.	J. Y. Oldham.
Farmers	Rowan	668	14	71.2 0.0	94	20	46	1†	32		6.69	+2.15	1.50	0	12	11	12	7	ne.	Mrs. Edna Tinsley.
Ford, Lock 10¶	Clark	559	6	.....	.....	.....	.....	.....	.....	.....	4.19	.....	1.12	0	11	.....	.....	.....	.....	John A. Walters.
Harlan	Harlan	1197	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heidelberg, Lock 14	Lee	629	5	.....	.....	.....	.....	.....	.....	.....	7.54	.....	2.73	0	13	.....	.....	.....	.....	S. C. Cole.
Jackson	Breathitt	776	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Dan Fortune.
Louisa	Lawrence	584	17	.....	.....	.....	.....	.....	.....	.....	6.08	+1.29	1.50	0	12	.....	.....	.....	.....	Russian Copley
Maysville	Mason	524	26	74 0 + 1.1	98	20	50	3	30		5.17	+0.84	1.75	0	11	17	8	5	w.	Harry M. Robinson.
Middlesboro	Bell	1128	26	73 6 + 1.2	94	20	46	1	30		4.99	+0.56	1.00	0	17	17	12	1	.....	B. H. Perkins
Mount Sterling	Montgomery	930	34	73.6 + 1.2	95	20	49	4	32		5.47	−0.34	1.49	0	14	12	9	9	w.	W. R. McKeen.
Oliver, Dam 30	Greenup	540	4	.....	.....	.....	.....	.....	.....	.....	4.21	.....	1.22	0	8	.....	.....	.....	.....	M. W. Kinner.
Opequilla, Dam 35	Campbell	443	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pikeville	Pike	634	18	.....	.....	.....	.....	.....	.....	.....	5.31	.....	1.62	0	11	.....	.....	.....	.....	Andrew M. Stafforth.
Ravenna, Lock 12	Estill	592	3	.....	.....	.....	.....	.....	.....	.....	5.49	1.00	1.10	0	17	.....	.....	.....	.....	Robert Reese.
Richmond	Madison	926	29	75.0 + 1.5	95	19	50	4	29		8.37	.....	2.09	0	14	.....	.....	.....	.....	Walter P. Bush.
Sergent	Letcher	1235	1	73.0	93	19†	47	1	36		5.36	+1.42	1.50	0	11	9	12	9	.....	J. W. Crooke.
Tyden View, Lock 9	Madison	541	8	.....	.....	.....	.....	.....	.....	.....	3.32	.....	0.80	0	16	19	10	1	se.	A. K. Williams.
Vanceburg, Dam 32	Lewis	525	7	.....	.....	.....	.....	.....	.....	.....	6.14	+1.69	2.75	0	11	.....	.....	.....	.....	Thos Sullivan.
Williamsburg	Whitley	939	26	75 7 + 2.2	98	19†	47	1	37		2.94	−0.42	0.89	0	11	.....	.....	.....	.....	Samuel Johnson.
Willow, Lock 13	Lee	611	2	.....	.....	.....	.....	.....	.....	.....	2.47	1.95	0.78	0	9	22	8	0	.....	Lawrence R. Chl.
											6.88	.....	1.59	0	11	.....	.....	.....	.....	Shelby Angel.
Date averages and extremes				74.2	99	19†	42	1	37		4.39	.....	2.75	0	12	13	10	7	sw.	

All temperature data are taken from self-registering thermometers. The records are computed only for such stations as have ten or more years of record, but all complete reports are published. The departures from normal temperature and precipitation are computed only for such stations as have records sufficient to afford reliable data for use in determining section or division means. † Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, "a," appearing in the table indicate number of days missing; for example, b represents two days, etc. ‡ Lone Oak.

* Also on other dates. † Precipitation is less than 0.01 inch rain or melted snow. ‡ Received too late to be included in means and summaries.

[a] Post office addresses — Lock 7, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

MISCELLANEOUS.

Lightning casualties: June 3 – Young woman killed under a tree near Glasgow; a man severely injured, in a barn near Harrodsburg; June 8, a boy killed under a tree, near Somerset; June 9, a young man killed in a barn, near Hesler; June 23, a physician killed in the open in his yard, near Grassy Lick. Damages by excessive rains: June 10, by washout at Idamay, Ky., estimated at $200,000; June 12, by windstorm in Ballard

Daily Precipitation for June, 1924

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G				.10		.20			.05					1.90					.10			.32	.10	.15	1.20			.20			
Blandville	M		.16				.13			.97	.04	.48	T	1.22				.02	.20		T	.02		.16		T	.13	.05	.17	T		
Calhoun	G	T.		.08	T		.16			.25	T	T	T	T	.93					.15		.38	1.16	.12	1.03	.01		T	.04		.04	
Earlington	G			.01			.12			T.	.11			T	.18					.06	.02		.45		.51	1.62			T		.06	
Greenville	G	T			.40		.31							T.	.12					.28			1.10	.60	.85	.02			.12		.06	
Henderson	O	.02		.10			.40				.03		.02	.18						.28			.45	.02		.90			.10			
Hopkinsville	C			.06			.06													.32			.76		.11	1.30			.20	.66	.05	.11
Marion	O		.10				.27			.85		.05		.71	.29					1.14		.44	T	T	.93		T	.28	T		.20	
Mayfield	M	T.		.04			.34			.25	T.	.36		T	.70				T.		.25	.07	.56	.72							
Owensboro	O	T	.03	.21		.53	.33			.03	.19		T	T	.86		T		.09			.49	T	.05	1.56	T			.01		.35	
Paducah (near)	K	T.					.75			.80		.55			1.65				.05				.05	.30							
Paducah	O			.10			.75			.57			.47	1.40	1.98				.03	.17			.06	.65		.05	1.20		.12		.10	
Princeton	G	T		T	T		.55			.25	T	.02		.90	.07	T			.50		.17	.02	.20	.79	.01		.13	.01		.18			
Rumsey, Lock No. 2	G		.11				.18			.06	.10				.96				.14	.12		.59	.52		1.12						
Russellville	G		.02			.30	.35								.14					.84		.01		.21	.54						
Central Division																																
Anchorage	O	.01	T.	.39		.14	.63		T	.10	.17				T.	.65																
Bardstown	S				.18	.35	.28									.16	.40							.61			.67	.94		.13		
Bowling Green	G		.15	T.	.07		.20								.78		.22		.08				.45	1.25			.25		.70			
Brownsville, Lock No. 6	G		.06		.13	.07	.22			.09	.66				.28		.24		.05				.15	.80		.60	T					
Burnside	C		.13		.14					T							T						.82	.57		.09						
Carrollton	K		.03		.31	.36	.43			.07	.36		.04		.11					.16	.26	.11	.12				.03	T				
Cloverport	O		.02	.05	.01	.23	.40			.41	.02				.02		.09	T	T					.38		.30						
Dix Dam, Burgin	K	T.		.30	.07	.33	.24	T.			.01	.20			.04		.28						.26	.01	1.05		.18		.07			
Eubank	C		.10		.04		.03			.12			.20										.08	.44	.11	.30	.01	.05	.75	T	.46	T
Frankfort	K		T.		.26	.77	.66			.06	T	.07		T	.85					.08			.65	.93		.15		.38				
Franklin	G	.03	T.																				.65	.31	.80		.53		.33			
Gest, Lock No. 3	K		.08	T.	.32	.60	.84			.07	.08				.61					.28			.28	2.50		2.50						
Glasgow	G						.15									.26				.33			.28				1.66		.18			
Greensburg	G		.03		.21	.03	.36						.28			1.35			.16				.20					.22				
High Bridge, Lock No. 7	K				.70	.40	.20					.16			.03	1.66									.76	.37	.03		.20			
Irvington	O	T.		.32		.21	.53			.17	T.					.89							.13	.08	.55		.55		.61			
Junction City	K		.24	T.	.66	.35	.01									.06		T					.12	1.34			.32		.13			
Leitchfield	G		.22	.15	.22																		.46	.50	.30		.10	.07		.40		
Lexington	K	.01		.17	.01	.64	.23								.36		.60						.05	.05	.75							
Little Hickman, Lock No. 8	K				.76	.33	.25								.20		.04						.01	.99	.34		.10	.67		.55		
Lockport, Lock No. 2	K	.04	T.	.46	.56	.83							10		.38		.74							.71	T	.50		.57		.55		
LOUISVILLE	O	.03		.51	.04	.51	.55			.14	.07	.12		.01									.62	T.	.32	.16		1.01		.03		
Do. (Cherokee Park)	O	.06		.66	T	.34	1.03			.01	.04	1.00			.52		.30						T.	.01	.99	.40		.84	.37	.07	.01	
Pilcher (Dam 43)	O	.02		.05	.26	.28	.47			T	.05					.83		.16						.02		.52	.47		.70	.17		
St. John	S			T	.20	.49	.39				T.		T		.05		.60								T	1.57		.09		.26		
Salvisa, Lock No 6	K				.30	.22	.52						T		T	T	1.00								T.	.55		.75				
Scott	L	.02		.34		T.	.10		.27	.79	.06				.01		.17						23	1.83	.34		T.	.59		.29		
Shelbyville	S		.09		.32	.28	.55			.17		.60	.01		.17		.30						.04	.03	.22	.39		.55		.10		
Taylorsville	S	.01		.11					1.29	.36	.71			.04		.06	.02					.03	T.	.59			.58	1.22		.08		
Tyrone, Lock No. 5	K	T.		.20	.05	.80				.10	.16			.45		.80						.02		.52	.47		.70	.17		.75		
Williamstown	L		.06		.23	.21	.27				.21	.16	.27					.80				.02	.14	.56	.08		.88		.20			
Woodbury, Lock No. 4	G		.01	.07	.02	.01	.25							.26	1.94		.28	.03	.10		T	.06	.18	1.38		.08	.18		.02			
Eastern Division																																
Ashland	O				.10		.13			.40	.12	.25		.53		.05			.30			.40		.05			.50		2.65			
Beattyville	K		.16		.06	.47	.16				.23	.20	T		.48		1.41						.80	.11	.52	T		1.15		.15		
Berea	K	.07		.22		.39	.09			.05	.25	.28			.44		.86						1.00	.98	.90					.52		
College Hill, Lock No. 11	K		.10			.30	.25				.15	.05			.22		.10						T	.05	.40			1.10		.65		
Cynthiana	L		.02		.10	.48	.30			.02	.66	.06					.61						.12		.04	.06			.40		.22		
Falmouth	L		.08		.17	.18	.15			.49	.29	.20					.38						.02	.44	.04	.03			.20	.27			
Farmers	L	T.	T	.28	.32	.35	.20	.36	1.10	.15	.45		.10		T.																	
Ford, Lock No. 10	K	T.		.13	.49	.24					.25	.02			.28		.18	T		T			T	.72	.30		1.52		.46			
Harlan	K																															
Heidelberg, Lock No. 14	K		.15		.10	.39	T		T		.05	.73			.41	1.25							.20	.15	.58		1.94		.13	.05		
Jackson	K																															
Louisa	B			.08		.14																										
Maysville	O		.10		.10	T	.15			.40	.58	1.75		.20		T							.22	.37	T	T		.75		.55		
Middlesboro	C	.04	.04	.37	.25				.04	.38	1.91	.06	.14	.70	.17	.04							.17	.73	.04	.57			.10			
Mount Sterling	L	T	.02	T	.06	.26	.45			.04	.49	.50	.04		.04	.51								T	.05	.32		1.49		1.20			
Oliver, Dam 30	O						.25				.22	.50	.48		.18									.30				.87		.41			
Oneonta Dam 35	O	.12		.03	.48	T	.08			.32	.35	.36												32	1.62			1.10		.52			
Pikeville	B		.12		.12	.06	.38				.96	1.10		.16	.06									.30	.20	.64	.36	.15	.52	.05	.12	.16	
Ravenna, Lock No. 12	K		.15		.18	.65	.10				.36	.09			.25		.75						.20	.35	1.18		1.26		.5	.10		
Richmond	K	T			.20	.28	.14	1		T	T	.10			.57		.43						1.50	.52	.45		.67		.50			
Sergent	K	.12	T		.05	.10		T	T	.22	.01	.19	.24	.12	.80		.04						.35	.15		.02	.76		.20	.40		
Valley View, Lock No. 9	K	.10	.01	.20		.35	.15			.02	.04						.46						.10	.75	.34		1.08		.58	.01		
Vanceburg, Dam No. 32	K		.19		.10	.02	.17			.54	.02	.89		.07			.07								.38							
Williamsburg	C		.19		T						T	.56	.18	.09	T								21	.07	.78	.34	.05					
Willow, Lock No. 13	K		.15		.10	.56				.28		1.59			.73		.76						.58		.66		1.24		.54			

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning amount then recorded is for the preceding 24 hours * Precipitation included in the next following measurement

Separate dates of falls not recorded T Trace, or less than 0.01 inch

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking, (K) Kentucky (S) Salt; (C) Green (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

* Lone Oak

County, that wrecked several barns; June 15, Bourbon and Clark counties, to roads, fences, and tobacco fields, no estimate; June 23, in Prospect region near Louisville, estimated, $10,000.

Rivers.—Good stages, somewhat above the average for June, prevailed in the Ohio and its tributaries in the State during the month.

Daily Temperatures for June, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.	Maximum	78	80	80	83	90	80	89	90	93	90	85	93	90	90	91	85	91	89	96	97	94	90	86	86	94	93	90	94	90	81	..	88.6
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	72	74	77	79	84	77	85	85	84	83	77	84	87	86	85	81	86	82	90	90	84	84	88	89	85	86	88	92	83	81	..	83.6
Blandville	Maximum	72	74	77	79	84	77	85	85	84	83	77	84	87	86	85	81	86	82	90	90	84	84	88	89	85	86	88	92	83	81	..	83.6
	Minimum	52	51	57	54	64	62	57	73	65	68	62	66	67	64	68	64	64	68	72	73	68	67	68	65	73	68	67	73	67	60	..	64.9
Calhoun	Maximum	92	91	97	94	97	94	94	97	97	97	94	97	97	97	97	94	97	94	97	97	97	97	97	97	97	97	97	97	97	97	..	96.4
	Minimum	52	51	59	54	61	63	55	73	68	69	60	64	65	64	63	66	64	68	75	70	68	67	69	66	70	74	69	75	72	59	..	64.5
Earlington	Maximum	75	78	79	82	88	84	89	90	91	86	83	91	89	91	91	84	91	84	95	95	86	88	88	89	91	91	92	93	85	81	..	87.3
	Minimum	49	49	58	56	61	64	55	75	67	68	60	63	65	64	63	66	61	65	63	74	69	66	67	67	74	72	68	75	74	60	..	64.5
Greenville	Maximum	76	76	77	79	84	85	87	92	92	87	82	90	86	83	88	82	90	86	92	92	92	89	89	91	92	92	94	94	87	81	..	*86.2
	Minimum	44	47	55	50	59	61	54	74	68	67	58	62	64	63	60	65	60	66	72	71	68	66	68	65	71	72	68	73	71	61	..	*62.6
Hopkinsville	Maximum	77	80	78	83	90	80	90	92	93	88	88	93	87	90	91	85	93	86	95	96	83	89	88	91	92	92	94	94	87	81	..	88.2
	Minimum	50	49	58	51	59	62	72	72	73	67	59	65	66	65	62	66	62	71	70	72	68	66	67	65	71	70	67	73	74	61	..	64.8
Marion	Maximum	74	74	75	77	84	84	81	85	86	86	82	85	88	88	87	86	85	87	88	90	85	84	86	88	85	86	88	91	93	84	..	84.5
	Minimum	57	50	58	55	64	55	71	74	67	68	60	67	68	65	68	66	65	67	72	74	70	67	70	60	64	70	66	74	71	60	..	65.4
Mayfield	Maximum	74	75	76	80	86	80	86	89	92	87	83	92	88	89	91	84	91	85	93	92	85	85	88	90	89	87	91	93	84	78	..	85.2
	Minimum	59	52	60	54	64	63	60	74	76	68	65	65	69	66	68	66	63	78	76	75	70	68	68	68	68	73	69	69	75	72	63	66.8
Owensboro	Maximum	74	77	76	80	87	80	85	89	88	85	82	88	86	86	85	83	86	83	92	92	85	85	88	90	89	87	91	93	84	78	..	83.6
	Minimum	53	52	55	50	56	63	58	66	73	66	60	67	65	64	63	67	62	67	68	72	71	71	66	68	66	72	70	67	72	71	62	64.8
Princeton	Maximum	74	77	76	80	87	80	85	89	88	85	82	89	85	89	91	87	88	82	93	95	84	88	89	87	89	90	93	94	87	78	..	86.0
	Minimum	74	76	77	79	81	79	87	90	87	85	82	90	87	89	92	81	92	83	93	95	84	88	89	87	89	90	93	94	87	78	..	86.0
Russellville§§	Maximum	74	77	76	80	87	80	85	89	88	85	82	89	85	89	91	87	88	82	93	95	84	88	89	87	89	90	93	94	87	78	..	86.0
	Minimum	52	52	55	50	56	63	58	66	73	66	60	67	65	64	63	67	62	67	68	72	71	71	66	68	66	72	70	67	72	71	62	64.4
Central Division.	Maximum	68	74	73	76	86	78	82	88	90	85	81	86	91	87	89	85	87	91	93	94	86	87	85	89	89	87	91	93	87	80	..	84.6
	Minimum	42	46	52	46	56	60	49	66	69	65	64	61	67	66	64	62	62	67	68	70	69	68	67	62	65	67	66	68	67	52	..	61.4
Anchorage	Maximum	69	73	74	78	85	78	87	90	91	87	88	92	87	91	92	87	91	89	96	96	88	89	85	91	91	90	87	92	84	80	..	85.9
	Minimum	49	49	55	50	57	60	53	69	73	67	65	65	68	66	58	65	62	66	68	73	71	68	70	65	67	70	67	70	69	58	..	63.8
Bardstown	Maximum	76	81	81	86	92	82	92	94	94	90	87	94	90	95	95	89	94	90	99	99	87	92	92	89	91	94	95	96	90	82	..	90.2
	Minimum	51	51	56	51	59	63	56	72	72	67	63	67	67	61	60	67	64	68	68	71	71	71	64	68	65	69	72	69	71	62	..	64.5
Bowling Green	Maximum	69	72	73	76	85	84	86	90	89	87	87	87	91	89	..	88	87	91	95	96	92	88	82	83	89	88	87	91	90	79	..	*85.9
	Minimum	69	72	73	76	85	84	86	90	89	87	87	87	91	89	..	88	87	91	95	96	92	88	82	83	89	88	87	91	90	79	..	*85.9
Dix Dam	Maximum	49	51	51	50	55	62	54	64	71	67	64	69	66	58	..	62	65	66	71	71	69	71	66	66	69	68	68	72	60	..	..	*63.4
	Minimum	46	49	49	44	53	62	58	66	73	64	62	66	65	66	54	65	60	67	66	73	70	68	65	64	64	66	66	73	58	..	..	63.4
Eubank	Maximum	69	71	74	74	83	83	81	88	87	87	82	85	89	87	87	86	86	88	93	94	86	87	85	87	88	84	87	88	85	80	..	84.4
	Minimum	51	54	53	49	57	62	53	66	70	68	65	64	68	67	59	66	63	67	68	72	70	68	67	68	70	70	68	74	72	57	..	64.2
Frankfort	Maximum	75	77	79	82	82	85	89	87	90	89	80	81	89	92	83	82	92	91	92	94	89	86	88	90	90	90	86	95	94	90	78	86.4
	Minimum	53	53	59	55	64	64	60	73	74	67	65	70	63	69	65	67	65	66	71	71	73	68	65	64	71	71	71	76	71	57	..	65.8
Franklin	Maximum	72	76	75	80	87	81	82	91	90	89	84	92	91	93	89	84	90	90	94	95	88	89	87	89	91	89	90	90	73	67	60	63.8
	Minimum	52	51	58	51	61	64	62	60	66	59	65	68	70	63	62	65	64	70	70	70	71	65	61	66	70	73	67	66	67	60	60	63.3
Glasgow	Minimum	70	71	72	75	85	80	84	87	88	86	79	86	86	86	81	88	83	84	87	90	91	86	86	86	87	87	85	90	84	76	..	63.1
Greensburg	Minimum	48	50	52	50	57	62	51	72	71	65	64	66	67	65	57	64	61	65	65	71	70	67	67	65	66	68	66	70	68	74	72	63.7
	Maximum	69	73	78	77	85	75	83	87	88	84	79	85	88	86	88	82	86	85	92	93	84	86	80	81	87	87	86	90	83	77	..	65.7
Irvington	Minimum	53	53	52	51	60	63	56	73	72	69	63	65	69	65	64	65	63	68	73	74	70	68	68	65	70	70	68	74	72	57	..	65.1
	Minimum	53	53	52	51	60	63	56	73	72	69	63	65	69	65	64	65	63	68	73	74	70	68	68	65	70	70	68	74	72	57	..	65.1
Junction City	Maximum	69	74	74	78	86	81	87	90	90	89	85	89	90	92	86	90	89	92	94	95	88	89	87	89	91	89	90	90	85	79	..	86.6
	Minimum	47	48	47	44	51	60	54	69	63	65	60	66	65	61	54	58	56	59	59	64	62	60	63	61	66	70	66	72	67	60	..	60.4
Leitchfield	Maximum	70	74	74	77	85	84	86	89	89	85	79	88	86	86	88	83	86	84	90	91	86	86	86	88	89	91	92	93	85	81	..	84.2
	Minimum	51	51	57	52	58	62	55	70	72	67	63	64	68	63	61	65	63	62	68	72	69	66	66	67	67	65	66	73	68	60	..	62.9
Lexington	Maximum	66	68	68	73	82	74	84	86	85	83	80	83	87	82	85	78	86	85	91	92	81	85	82	80	85	87	86	89	80	78	..	80.1
	Minimum	56	58	54	54	56	61	57	70	66	67	64	67	66	67	64	64	62	70	72	75	72	69	66	66	70	70	67	71	69	64	..	64.9
Louisville	Maximum	67	73	71	75	85	77	82	88	89	88	80	85	92	86	87	80	86	88	93	92	84	85	81	79	88	87	86	91	84	77	..	83.4
	Minimum	67	73	71	75	85	77	82	88	89	88	80	85	92	86	87	80	86	88	93	92	84	85	81	79	88	87	86	91	84	77	..	83.4
Do. (Cherokee Park)	Maximum	62	63	67	73	79	74	79	86	87	84	78	82	86	80	84	77	82	84	90	90	82	84	74	80	86	84	82	89	82	76	..	81.2
	Minimum	66	74	68	72	82	78	79	86	87	84	78	82	86	80	84	77	82	84	90	90	82	84	74	80	86	84	82	89	82	76	..	81.2
St. John	Maximum	50	52	56	59	68	71	68	64	63	70	65	60	63	61	67	67	73	70	68	68	63	69	67	70	70	68	67	73	68	63	..	63.6
	Minimum	47	46	53	48	57	60	52	66	66	65	61	63	66	62	58	63	61	65	66	70	69	63	61	63	64	62	60	68	63	57	..	60.4
Scott	Maximum	67	71	70	73	80	78	82	86	85	78	80	84	85	85	82	77	84	89	92	94	87	88	83	83	87	88	87	91	83	80	..	82.9
	Minimum	46	51	46	52	48	60	57	58	65	62	62	59	65	62	63	65	57	66	68	74	69	66	66	65	70	65	65	68	68	54	..	62.2
Shelbyville	Maximum	54	53	55	48	55	61	50	65	62	66	68	65	66	63	60	63	57	66	68	74	69	66	66	65	70	65	65	68	68	54	..	63.8
	Minimum	68	73	72	75	85	77	82	87	89	85	81	86	91	87	86	83	85	91	92	94	84	87	84	79	88	87	87	92	85	76	..	83.9
Taylorsville	Maximum	50	49	55	47	57	60	52	69	69	68	64	63	68	65	60	64	61	67	67	71	70	69	67	65	70	68	67	70	68	56	..	64.9
	Minimum	68	74	73	76	86	78	84	90	88	85	81	85	91	84	86	83	85	91	93	94	84	87	84	79	88	87	87	92	85	76	..	83.9
Williamstown	Maximum	49	49	53	50	59	62	53	67	71	68	66	67	69	66	69	69	62	66	66	71	72	70	69	64	66	69	66	68	67	57	..	64.9
	Minimum	66	68	71	68	74	81	78	81	86	80	78	80	84	84	86	80	80	89	93	93	90	87	83	84	84	86	86	90	87	79	..	82.5
	Minimum	55	55	55	54	48	54	60	53	61	58	65	61	64	64	66	60	63	59	69	74	70	68	69	65	68	70	68	71	71	55	..	62.5
Eastern Division.	Maximum	70	70	72	73	79	82	81	80	80	84	81	86	87	86	85	82	87	91	94	95	91	84	89	87	90	87	85	90	89	88	..	84.2
Ashland	Minimum	49	50	53	53	51	64	54	60	67	61	62	64	66	67	66	62	64	69	71	72	70	68	67	66	68	67	65	66	71	60	..	62.9
	Maximum	70	72	71	78	86	84	88	90	85	86	86	88	88	91	87	87	89	95	96	98	88	89	89	88	90	89	89	92	86	79	..	86.1
Beattyville	Minimum	48	54	48	51	52	60	56	62	68	65	62	62	66	60	57	65	61	77	65	67	71	68	67	67	67	67	65	66	62	60	..	62.1
	Maximum	65	68	68	72	82	79	83	86	83	86	81	84	87	82	83	77	84	89	90	91	88	90	88	83	87	88	88	90	85	75	..	82.5
Berea	Minimum	47	53	52	47	53	61	56	71	74	65	63	70	64	56	46	61	60	64	66	70	70	68	67	68	68	68	62	68	69	60	..	62.8
	Maximum	67	71	70	73	80	78	82	86	85	78	80	81	85	85	82	77	84	89	92	94	86	87	85	84	87	87	87	89	84	76	..	82.9
Farmers	Minimum	46	51	46	52	48	60	57	58	65	62	62	59	65	62	63	65	57	66	68	68	67	65	68	66	62	64	65	62	65	58	..	60.4
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Harlan	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Jackson	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maximum	64	72	68	73	81	81	86	82	84	83	81	88	91	87	88	84	89	92	96	98	88	89	89	88	91	87	84	92	86	81	..	84.8
Maysville	Minimum	62	54	50	51	52	63	53	63	65	63	61	67	74	59	66	66	65	66	72	69	67	70	68	68	67	66	66	68	73	60	..	63.2
	Maximum	70	70	69	75	83	85	87	89	89	85	87	90	92	88	88	85	88	90	92	94	86	87	83	88	87	87	87	87	87	79	..	84.2
Middlesboro	Minimum	56	46	53	55	53	65	61	61	67	67	64	65	68	64	67	65	64	77	65	67	71	66	66	68	68	66	65	69	72	69	70	65.1
	Maximum	69	74	71	75	84	80	85	89	88	87	85	86	89	87	86	83	87	91	94	95	87	88	86	86	86	86	85	86	86	85	77	85.1
Mount Sterling	Minimum	53	52	51	49	52	60	53	62	64	60	59	63	66	62	64	62	60	69	70	66	68	66	66	65	66	66	65	66	66	58	..	62.0
	Maximum	68	72	70	76	85	85	87	88	87	85	86	89	87	86	83	87	91	94	96	97	88	89	87	86	84	89	88	90	88	85	78	85.2
Richmond	Minimum	52	54	56	54	57	62	58	70	73	69	67	65	70	65	66	62	66	72	74	72	67	70	67	65	68	67	67	70	71	66	..	64.9
	Maximum	73	76	71	75	84	86	87	89	84	77	81	84	87	82	86	82	89	93	92	91	93	92	91	90	86	90	92	91	94	93	81	84.8
Sergent	Minimum	47	53	49	52	48	59	59	60	65	63	60	61	65	62	66	63	65	65	65	67	66	65	65	65	66	65	66	66	68	63	53	61.1
	Maximum	73	75	75	80	89	84	90	94	92	88	87	90	94	90	87	89	94	96	97	97	94	95	85	90	88	92	91	90	94	93	81	88.1
Williamsburg	Minimum	47	54	50	50	52	60	61	61	70	66	66	66	67	66	59	69	62	62	66	69	70	70	69	66	67	66	66	68	71	61	53	63.3

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

. . . . indicate respectively 1, 2, 3, etc., days missing from record.

UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

THE LIBRARY OF THE
SEP 3 1924
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., JULY, 1924. No. 7

GENERAL SUMMARY.

Prevailing low temperature was unfavorable for the growth of the belated corn crop, but light precipitation, except in the extreme western counties, and abundant sunshine compensated measurably for the lack of the usual summer heat. Frequent showers in the region west of the lower Tennessee, known as the Purchase, interfered with the cultivation of corn, tobacco, and cotton, and delayed hay and oats harvest; otherwise weather conditions were decidedly favorable for farm work and the excellent progress made brought operations practically abreast of crop advancement. Some early corn remained weedy when laid by, but in general farmers were able to give crops sufficient and timely cultivation. Marked irregularity in growth of much early corn, indicated by numerous small areas of diminutive plants in fields of large corn, was believed to be due to the effect of the long continued wet weather on some heavy soils. Early corn tasseled late in the month, at about the time ears are well formed in normal seasons. Some corn was planted as late as the 10th, generally from northern seed. Early tobacco grew rapidly, but late started slowly and unevenly because of the drying of the surface soil. Urgency of other work delayed cultivation of tobacco during the first two weeks, but continued favorable weather permitted satisfactory progress later on. Topping of the earliest settings began near the end of the month, about two weeks later than usual. Rust appeared to an alarming extent, even on small plants, but the dry, warm weather late in the month checked its progress. Weather conditions of the spring and early summer were similar to those ordinarily prevailing about 200 miles farther north, hence they were favorable for oats and resulted in the best crop that has been grown in this State in many years. Scarcity of machines and waiting for the heavy oats crop caused threshing to make rather slow progress. Moisture was sufficient for planting late potatoes during the first half of the month, but the soil became somewhat dry later on. Soybeans and cowpeas made splendid growth. All crops were needing rain at the end of the month.

TEMPERATURE.

The average temperature for the State, 41 stations reporting, was 73.7°, which is 3.2° below normal; and, with the exception of July 1890, the lowest on record. Low night temperatures, ranging on many days between 50° and 60°; and moderate maximum temperatures, seldom rising to 90°, characterized the weather. The mean temperatures of the first four days ranged from 10° to 14° below normal. Temperatures slightly above normal occurred on only seven days. Extremes were 99° at Bowling Green on the 22d and 45° at Berea on the 1st.

PRECIPITATION.

The average precipitation for the State, 71 stations reporting, was 3.63 inches, which is 0.54 inch below normal. Moderate to heavy rains occurred generally in the period 12-14th, and again in the western counties from the 16th to 20th, otherwise the rain accompanied local thundershowers and was distributed with marked irregularity. Monthly amounts in the southern counties, the mountain region, and a limited area in the western bluegrass, ranged between 4.0 and 6.0 inches. In the remainder of the bluegrass, and in the northwestern counties near the river, they ranged between 1.0 and 3.0 inches. At the end of the month indications of drought were apparent in the districts with lightest precipitation. Extremes for the State were 0.89

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour	Direction	Date.
Cairo ..... Ill.	30.00	30.22	2	29.76	12	4207	5.7	33	nw.	17
Cincinnati ..... Ohio	30.02	30.24	3	29.76	24	3789	5.1	36	s.	12
Evansville ..... Ind.	30.03	30.22	3	29.80	12	5946	8.0	40	w.	14
Lexington ..... Ky.	30.03	30.20	3	29.79	24	7510	10.1	38	sw.	12
Louisville ..... Ky.	30.04	30.23	3	29.78	24	6808	7.8	28	sw.	14

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	81	60	65	364.8	447.1	82	21	0
Cincinnati ..... Ohio.	78	53	63	320.4	452.3	71	14	1
Evansville ..... Ind.	74	51	56	344.1	449.8	77	17	1
Lexington ..... Ky.	78	62	.....	261.3	449.8	58	7	4
Louisville ..... Ky.	76	50	54	344.2	449.8	77	17	1

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average	Departure from 35-year normal.	No. of days with .01 inch or more rain
1889	75.1	− 1.6	98	50	5.62	+1.32	..
1890	73.0	− 3.7	101	44	2.66	−1.64	..
1891	74.0	− 2.7	91	47	4.08	−0.22	..
1892	76.5	− 0.2	100	48	3.36	−1.00	..
1893	78.8	+ 2.1	101	50	3.48	−0.82	..
1894	76.2	− 0.5	105	43	2.03	−2.27	..
1895	75.2	− 1.5	99	49	5.76	+1.45	9
1896	77.4	+ 0.7	103	47	7.44	+3.14	11
1897	77.8	+ 1.1	107	50	4.79	+0.49	10
1898	77.8	+ 1.1	102	48	4.71	+0.41	11
1899	77.3	+ 0.6	100	47	3.78	−0.52	9
1900	77.9	+ 1.2	101	50	4.91	+0.61	11
1901	81.7	+ 5.0	112	48	1.72	−2.58	5
1902	78.1	+ 1.4	107	48	1.91	−2.39	6
1903	77.5	+ 0.8	104	49	3.53	−0.77	8
1904	75.2	− 1.5	99	46	3.40	−0.90	10
1905	75.9	− 0.8	102	52	5.93	+1.63	13
1906	75.2	− 1.5	100	51	6.02	+1.72	11
1907	78.1	+ 1.4	102	40	4.71	+0.41	9
1908	76.9	+ 0.2	100	50	3.94	−0.36	10
1909	74.8	− 1.9	99	48	6.01	+1.71	11
1910	76.2	− 0.5	96	51	8.63	+4.33	16
1911	75.8	− 0.9	105	42	2.28	−2.02	7
1912	76.8	+ 0.1	100	53	5.50	+1.20	12
1913	79.9	+ 3.2	109	48	2.54	−1.76	7
1914	78.8	+ 2.1	109	43	3.20	−1.10	6
1915	75.7	− 1.0	102	49	5.30	+1.00	11
1916	78.6	+ 1.9	102	52	4.17	−0.13	9
1917	75.3	− 1.4	100	50	4.38	+0.08	11
1918	73.8	− 2.9	103	46	3.28	−1.02	8
1919	79.5	+ 2.8	104	55	2.10	−2.20	5
1920	75.2	− 1.5	99	44	3.83	−0.45	9
1921	81.1	+ 4.4	106	62	2.65	−1.65	7
1922	76.4	− 0.3	102	47	4.77	+0.47	9
1923	76.8	+ 0.1	99	44	3.59	−0.71	8
1924	73.7	− 3.2	99	45	3.63	−0.54	8

Climatological Data for July, 1924.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest, in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	20	.....	.....	97	21†	.....	.....	.....	2.58	−1.40	1.40	3	6	29	0	2	s.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	42	73.4	− 4.8	91	21†	52	2†	28	5.76	+1.87	1.11	0	10	13	13	5	sw	E. W. Horr.
Calhoun	McLean	437	20	73.8	− 4.2	93	21	53	2†	27	3.35	−0.87	0.88	0	10	16	14	1	se.	W. A. Taylor.
Earlington	Hopkins	420	33	75.0	− 3.4	97	21	48	2	35	3.04	−1.06	0.71	0	8	20	5	6	sw.	Brick Southworth.
Greenville	Muhlenburg	519	7	[e]74.5	.....	94[e]	22†	50[e]	2†	34[f]	3.61	.....	1.10	0	7	21[e]	5[e]	0[e]	s.	C. R. Lovell.
Henderson	Henderson	382	15	.....	.....	.....	.....	.....	.....	.....	3.46	+0.12	1.95	0	9	.....	.....	.....	.....	W. Shelby.
Hopkinsville	Christian	524	27	76.2	− 2.6	97	11†	51	1†	38	5.38	+1.30	1.34	0	10	17	10	4	se.	W. E. Graves.
Marion	Crittenden	571	25	74.8	− 3.0	92	21†	51	2	26	3.90	+0.34	0.88	0	8	18	5	8	w.	B. C. Paris.
Mayfield	Graves	364	11	75.4	− 2.5	95	29	52	4	31	4.53	+0.51	1.70	0	8	18	13	0	sw.	N. E. Douthit.
Owensboro	Daviess	479	27	74.2	− 3.8	94	21	53	1	29	2.30	−1.55	1.35	0	9	24	5	2	s.	Henry S. Berry.
Paducah (near) §	McCracken	516	6	76.1	.....	95	21†	50	2	34	5.40	.....	1.45	0	10	25	4	2	s.	J. W. Lilley
Paducah	McCracken	341	35	.....	.....	.....	.....	.....	.....	.....	5.30	+1.32	1.75	0	9	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	13	74.4	− 3.7	93	21	53	2	32	5.62	+2.00	1.57	0	10	11	13	7	s.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	344	0	.....	.....	.....	.....	.....	.....	.....	3.66	.....	0.77	0	9	.....	.....	.....	.....	Thos. L. Wetzel.
Russellville	Logan	590	11	[a]74.6	− 3.1	95[a]	11	48[a]	2	38[b]	5.07	+0.50	2.90	0	9	24[a]	2[a]	4[a]	s.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	23	72.8	− 3.2	94	29	47	2	36	2.05	−2.39	1.03	0	6	18	8	5	sw.	C. E. Barret.
Bardstown	Nelson	637	27	73.8	− 4.7	96	29	49	2	38	3.04	−1.27	2.00	0	6	17	3	11	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	33	76.9	− 2.0	99	22	50	2	36	4.11	−0.35	1.30	0	9	17	11	3	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	4.25	.....	1.89	0	7	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6	Edmonson	410	6	.....	.....	.....	.....	.....	.....	.....	4.29	.....	2.30	0	8	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	31	.....	.....	.....	.....	.....	.....	.....	5.47	+0.58	1.64	0	11	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	24	.....	.....	.....	.....	.....	.....	.....	2.27	−1.13	0.89	0	11	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	10	.....	.....	.....	.....	.....	.....	.....	2.28	−1.55	1.40	0	9	.....	.....	.....	.....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	0	73.7	.....	94	21	52	3	34	4.78	.....	2.27	0	11	23	4	4	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	29	72.2	− 2.3	95	29	50	2	35	3.24	−1.36	1.20	0	8	4	19	8	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	30	74.0	− 2.9	93	21	54	1†	30	5.48	+1.37	2.95	0	5	19	5	7	s.	Sidney Woods.
Franklin	Simpson	601	28	74.1	− 3.7	93	24	52	2†	33	2.15	−2.05	0.57	0	6	20	2	9	s.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	11	.....	.....	.....	.....	.....	.....	.....	4.06	+0.04	2.46	0	6	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	2	75.8	.....	96	20†	50	4	33	4.66	.....	1.22	0	8	20	1	10	s.	Dr. Fidella Edwards.
Greensburg	Green	581	31	72.7	− 3.9	91	21†	49	2	32	4.56	−0.03	2.47	0	8	7	1	23	n.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	550	21	.....	.....	.....	.....	.....	.....	.....	5.23	+0.91	2.90	0	8	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	26	73.7	− 3.7	93	21	52	2	29	1.76	−1.75	1.22	0	3	23	4	4	w.	W. J. Piggott.
Junction City	Boyle	985	30	72.8	− 2.6	95	21†	49	2†	41	2.79	−1.51	1.07	0	8	18	12	1	s.	William E. Grubbs.
Leitchfield	Grayson	635	28	[b]73.3	− 3.3	95[b]	21	52[b]	3†	33[b]	0.89	−3.25	0.33	0	3	24[b]	3[b]	2[b]	sw.	John E. Stone.
Lexington	Fayette	989	36	73.2	− 2.7	90	22	53	3	22	2.77	−1.67	1.71	0	9	.....	.....	.....	.....	U. S. Weather Bureau
Little Hickman, Lock 8	Jessamine	523	12	.....	.....	.....	.....	.....	.....	.....	3.23	−0.93	1.60	0	9	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	436	12	.....	.....	.....	.....	.....	.....	.....	2.52	−1.34	1.53	0	6	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	51	74.7	− 3.9	93	21	55	3	23	1.47	−2.27	0.61	0	8	11	16	4	s	U. S. Weather Bureau.
Do.(Cherokee Park).	Do.	534	14	72.2	− 3.8	90	21	51	2	27	2.42	−2.69	1.42	0	8	11	16	4	nw.	Wm. I. Hunt.
Pitcher (Dam 43)	Meade	363	1	.....	.....	.....	.....	.....	.....	.....	2.09	.....	1.12	0	5	.....	.....	.....	.....	W. D. Farnsley.
St. John	Hardin	777	27	73.6	− 2.1	98	21	48	2	40	1.88	−1.67	0.65	0	7	18	6	7	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	490	9	.....	.....	.....	.....	.....	.....	.....	4.07	−0.34	1.65	0	4	.....	.....	.....	.....	Ernest M. Searcy.
Scott	Kenton	900	26	71.0	− 5.6	91	30	50	2	29	2.38	−0.96	1.11	0	7	12	17	2	w.	E. B. Wilson.
Shelbyville	Shelby	825	34	73.0	− 3.9	93	29	50	2†	31	4.20	+0.10	2.50	0	9	13	7	11	s.	P. H. Kehoe.
Taylorsville	Spencer	489	21	72.4	− 3.7	92	21	49	2	32	6.38	+2.11	2.12	0	7	20	6	5	n.	Mrs. W. T. Miller.
Tyrone, Lock 5	Anderson	476	5	.....	.....	.....	.....	.....	.....	.....	3.67	.....	2.00	0	6	.....	.....	.....	.....	K. D. Bourne.
Williamstown	Grant	943	20	73.4	− 2.3	94	29	51	1	28	3.06	−0.62	1.29	0	8	21	6	4	sw.	Mrs. E. S. Hunnlong.
Woodbury, Lock 4	Butler	533	6	.....	.....	.....	.....	.....	.....	.....	3.81	.....	2.28	0	9	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	531	5	73.0	.....	93	30	51	2†	30	4.42	.....	1.25	0	7	18	0	13	sw.	W. B. Shaw.
Beattyville	Lee	650	19	73.6	− 2.3	96	21†	50	1†	35	4.66	−0.16	2.18	0	7	1	12	18	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	20	71.3	− 4.8	91	22	45	1	29	4.36	−0.23	1.63	0	13	10	12	9	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	11	.....	.....	.....	.....	.....	.....	.....	2.80	−1.10	1.50	0	6	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	784	6	.....	.....	.....	.....	.....	.....	.....	2.84	.....	2.03	0	8	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	35	.....	.....	.....	.....	.....	.....	.....	3.39	−0.36	1.44	0	7	22	3	6	se.	J. V. Oldham.
Farmers	Rowan	668	14	71.5	− 3.4	96	23	46	18	37	4.56	−0.24	1.53	0	9	13	13	5	sw.	Mrs. Edna Tinsley.
Ford, Lock 10	Clark	559	6	.....	.....	.....	.....	.....	.....	.....	2.95	.....	1.00	0	9	.....	.....	.....	.....	John A. Walters.
Harlan	Harlan	1197	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heidelberg, Lock 14	Lee	629	5	.....	.....	.....	.....	.....	.....	.....	5.12	.....	2.49	0	8	.....	.....	.....	.....	S. C. Cole.
Jackson	Breathitt	776	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Dan Fortune.
Louisa	Lawrence	581	17	.....	.....	.....	.....	.....	.....	.....	1.25	−2.20	0.76	0	4	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	26	74.0	− 3.0	95	30	52	18	34	2.70	−1.84	1.62	0	7	23	3	5	w.	Harry M. Robinson.
Middlesboro	Bell	1128	26	73.0	− 1.7	93	22	50	2†	32	3.45	−2.05	1.17	0	9	22	9	0	.....	B. H. Perkins.
Mount Sterling	Montgomery	969	31	72.8	− 3.0	94	29	52	3	34	3.57	−1.49	1.69	0	7	20	6	5	w.	W. R. McKeen.
Olivet, Dam 9	Greenup	540	4	.....	.....	.....	.....	.....	.....	.....	4.02	.....	1.47	0	3	.....	.....	.....	.....	M. W. Kinner.
Oneonta, Dam 45	Campbell	113	2	.....	.....	.....	.....	.....	.....	.....	3.36	.....	1.76	0	6	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	18	.....	.....	.....	.....	.....	.....	.....	3.47	−0.65	0.84	0	14	.....	.....	.....	.....	Robert Ireoss.
Ravenna, Lock 12	Estill	592	3	.....	.....	.....	.....	.....	.....	.....	4.73	.....	1.48	0	5	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	29	71.4	− 2.3	94	29	53	2	32	3.43	−0.61	1.60	0	7	23	4	4	.....	J. W. Crooke.
Sargent	Madison	1235	1	72.7	.....	92	22†	51	3†	31	3.51	.....	0.70	0	11	22	9	0	s.	A. K. Williams.
Valley View, Lock 9	Madison	541	8	.....	.....	.....	.....	.....	.....	.....	2.74	−1.44	0.70	0	7	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	7	.....	.....	.....	.....	.....	.....	.....	4.44	−0.53	1.72	0	5	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	939	26	71.7	− 2.1	96	21†	49	2	34	3.39	−1.97	1.44	0	6	21	10	0	.....	Lawrence R. Hill.
Willow, Lock 13	Lee	611	2	.....	.....	.....	.....	.....	.....	.....	1.67	.....	3.10	0	4	.....	.....	.....	.....	Shelby Angel.
State averages and extremes		.....	.....	73.7	.....	99	22	15	1	41	3.63	.....	2.10	0	8	18	8	5	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference letters, "a," "b," appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oak.
[a] Also on other dates. [b] Received too late to be included in means and summaries. [e] Precipitation is less than 0.01 inch rain or melted snow. T. Precipitation is less than 0.01 inch rain or melted snow.
[f] Received too late to be included in means and summaries. [g] Reed House, Ky.; Scott, Covington, Ky.
Postoffice addresses: Lock 3, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.;

inch at Leitchfield and 6.38 inches at Taylorsville. No dam- aging hail was reported.

pool stages along most of its course by the 20th. Tributary streams in the State also declined to low stages.

MISCELLANEOUS.

River.—A steady decline in the Ohio lowered the water to

Daily Precipitation for July, 1924

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam						.05			.28				.25		.30					.20										1.40		2.58
Blandville		.09							.38			.25		.80		.27		.05	1.09				.90	T.	.90	T.				1.11	T.	5.76
Carlington		T.	.50			T.				.20		.75	.06	.88		.04	.05		.30	.01					T.						2.56	3.55
Greenville						.04				.71			.55	.60			.17	.02	T.	.47												3.56
Henderson						1.10			T.	.10		.74		.70		T.	.10		.02												4.8	3.04
Hopkinsville										.05			1.95	.70	.05		.06		.07	.55	.02										.25	3.61
Marion						.02				.08			1.17	.45	.06		.86	T.	.09	1.20											.01	3.46
		.18					T.		.38			.88	.26	.87		.15	.41		.77											1.21	5.33
Mayfield		.28								.70		1.70		.34		.10	T.	T.	1.10				.30		T.					T.	.01	4.53
Owensboro			.03										1.85	.10	.35		T.	.02	T.	.23	.03					T.						.11	2.59
Paducah (near) *										.10		1.00		.80		.70	.10		1.45	.20			.30	.10							.65	5.10
Paducah											.32		.70	.80			.50		.42	1.75	.30		.04		T.						17	5.30
Princeton		T.		T.					.52			1.57	.08	.61		.09	.13	T.	1.05	.05		.01		T.						1 51		
Remsey, Lock No. 2			.53							.23			.73	.26	.77		.08	.04		.29											.75	3.42
Russellville						.16				.04			2.90		.42		.05		.02	.77			.15								.56	5.07
Central Division																																
Anchorage						T.	T.			.20		1.03	.03	.48			T.			T.	.15										.16	2.05
Bardstown						.10				.10			2.00		.48																.18	.18	3.04
Bowling Green				.48		.22				.05			1.30		.58					.20	.30			.30							.68	4.11
Bowling Green, No. 2				.33		.19							1.89		.59						.27			.51							.47	4.25
Brownsville, Lock No. 6				.30		.19		.15		.33			2.30		.27						.33										.42	4.29
Bransside				.42		.48	.63			.15		T.	1.64	.03	.11			.02	T.	T.	.56		1.41								.99	2.27
Carrollton (Lock No. 1)						.01		.09		.12			.74		.24		.04			.06	.03	.04			.01						.02	5.47
Cloverport				.01		.15				.18			1.40	.18	.25		T.	T.		.03	.05										.03	2.28
Dix Dam, Burgin				.23		1.23	.07			.04		1.75	.62	.08	T.		.37			.03										.22	.24	4.78
Eubank																																
Frankfort				.40		.15	.38						1.20		.50					.33			.23								.05	3.24
Franklin						.17				.05			2.95		.33						T.										1.58	5.48
Frost, Lock No. 3						.45								.23			.20		.57			.50								.20	2.15
Glasgow						T.		.24		.25			2.46		.26							.12								.73	4.66
Greensburg				.95			.48					1.22	.30	.53					.22											.93	.03	4.66
High Bridge, Lock No. 7				.30		.63	.21			.01			2.47		.52						.17										.25	4.56
Lexington				.15		.65	.11						2.90		.15		.42													.40	.45	5.23
Junction City										T.		1.22		.48			.06	T.														1.76
Leitchfield					.05	.49	.15					1.07	.50	.12					.18												.23	2.79
Lexington ***												.33		.23					.33													0.89
Little Hickman, Lock No. 8				.43	.13					.02		1.58	.13	.22	.01	T.												T.		.22	.03	2.77
Lockport, Lock No. 2				.18		.25	.26			T.			1.60		.15		.20															3.23
Louisville ***					.04	T.		.22				1.58		.26															.16	.20	.23	3.23
Do. (Cherokee Park)					T.			.06	.10		.45	.06	.61			T.			.07											.41		2.52
Millers Dam 43							T.			.18		.45	12.1	.42			.03		.04	.05										.07	T.	1.47
Owensboro					T.		.10			.10			.70	T.	1.12				T.	.07											.15	2.42
Port, John																															T.	2.69
Poseyville, Lock No 6						.08				.22		T.	.45	T.	.22			.02	T.	.14	T.										.65	1.88
Proctor													1.65		.32		1.70														.60	4.67
Shelbyville					T.	T.	.08	T.		T.		.74	1.11	.11						T.											.02	2.38
Taylorsville				.10		.05	.04	.03		.08			2.50		.41						.14			.07							.85	4.26
Tyrone, Lock No. 5			T.		T.		.08					2.12	.99	.79			.76		T.		T.										1.31	4.33
Williamstown					.40							2.00	.75	.28			.02														.22	6.38
Woodbury, Lock No. 4						.05		.14		.05			.80		.15					.02	.56											3.65
						.13				.08			2.28	.05	.48		.01	T.	.01	.25		T									1.29	3.06
Eastern Division																															.52	3.81
Ashland																																
Barryville				.85			1.00			.05			1.25	T.			T.	.12			.60										1.05	4.42
Berea				.38		.24	2.18			.08			1.34		.06			.32		T.	T.											4.69
College Hill, Lock No. 11				.30	.03	.18	.40			.04		1.63		.23			.02		.04	1.01												4.36
Cynthiana				T.	.32		.55	.08					1.50		.25			.10		T.									.16	.02	.30	4.89
Falmouth						.09	.02			.04			2.03		.22														T.		T.	2.84
Farmers					.07	T.				.07			1.13		.08					.17	.43										.33	3.39
Ford, Lock No. 10				.10			.73			.06			1.53		.09							.04	.03								1.44	6.38
Harlan			T.	.15		.81	.45			.02			1.00		.25			T.				.95	.65		.10					.35	4.56
																				T.	.15	.05							T.	.06	2.93
Heidelberg, Lock No. 14																																
Hickson				.74		.14	2.49			.01			1.24	T.	.08			.10		.34												
Irvine																														T.		5.12
Keysville						.20	.18						.76		.11																	
Lebanon						.10	.08			.10			1.62		.15																	1.25
Mount Sterling						.20	.78			.14			1.17	.57			.25		.04	.05											.45	2.50
Myers Dam 36						.21	.42	.02					1.69		.18									.80					.25			3.45
Nonanta Dam 35													1.30																T.		.25	3.57
						.14	.65			.07			1.76		.12						1.47										1.25	4.02
Nicholasville																													T.		.62	3.56
Owensboro, Lock No. 12				.42	.08	.22	.16			.12			.84	.36	.18	.68		.62														
Richmond				.28	T.	.82	1.20			T.			1.48		T.				T.	T.		.01	.12	.15							.68	3.47
Urgent				.08		.60	.48						1.60		.09			.03		T.											.98	4.73
Valley View, Lock No. 9			.10	.65	.60	.20	.01			.20			.70				.15		.20	.30											.60	3.43
Versailles				.10			.64					.70	.62	.35			.30													.40		3.51
Wilmington				.60			.38	.01					1.52																		.02	2.54
Willow, Lock No. 13					.25	.56		.11		.14			1.44				T.			.60										1.31		4.44
				.23		3.10		.09					1.25																			5.32
																																1.47

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

; Separate data of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

* Lone Oak.

Daily Temperatures for July, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.																																	
Beaver Dam	Maximum	79	80	81	80	82	85	88	90	94	91	91	86	90	87	90	89	91	84	77	93	97	97	95	95	87	89	91	95	97	95	92	89.0
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Blandville	Maximum	73	74	69	77	80	82	84	87	82	84	86	80	88	80	84	81	86	77	84	88	91	91	89	89	82	84	85	87	90	87	88	83.5
	Minimum	53	52	53	52	57	54	56	59	67	64	58	70	67	66	66	66	63	64	65	68	73	69	68	67	67	82	64	63	68	68	70	63.2
Calhoun	Maximum	76	75	77	76	75	80	83	85	88	85	85	87	85	82	85	86	86	77	76	86	93	90	88	89	92	84	88	90	92	88	90	84.2
	Minimum	54	53	53	57	58	57	60	60	62	65	59	69	71	65	65	62	68	60	65	69	75	72	74	64	65	60	61	63	65	68	70	63.5
Earlington	Maximum	77	80	78	80	80	86	89	91	92	91	92	86	94	86	89	90	90	81	81	93	97	95	94	93	86	89	92	94	96	92	94	88.6
	Minimum	50	48	50	50	54	53	58	57	60	58	57	60	61	67	65	60	68	58	66	70	74	75	72	74	64	65	59	59	61	64	73	70	61.5
Greenville	Maximum	74	76	..	..	..	88	85	89	91	86	89	82	90	89	86	88	88	81	78	..	..	94	92	93	91	89	91	93	94	93	94	*87.8
	Minimum	52	50	50	..	..	..	56	57	58	66	56	66	68	66	64	59	66	56	64	..	..	67	71	62	64	56	57	59	63	68	69	*61.2
Hopkinsville	Maximum	77	79	80	82	85	88	90	94	93	90	97	84	94	86	90	90	90	89	87	82	95	96	97	95	96	86	90	95	95	96	94	91.9
	Minimum	61	52	53	61	57	54	57	59	60	67	59	69	69	70	65	60	67	60	65	69	73	70	71	64	67	59	58	61	65	67	69	62.5
Marion	Maximum	84	84	84	84	87	88	89	91	91	91	91	88	91	88	89	89	89	84	84	78	86	92	92	92	91	90	84	86	88	90	84	90	84.5
	Minimum	54	51	54	53	57	57	57	60	68	65	65	68	71	69	67	65	69	68	59	65	70	76	73	72	70	65	63	65	67	72	72	71	65.0
Mayfield	Maximum	75	75	77	78	79	83	87	90	88	85	90	82	91	87	86	83	86	80	92	91	93	93	93	92	83	85	89	91	95	89	89	86.4
	Minimum	53	53	53	52	59	54	56	59	67	67	60	70	69	69	68	66	69	66	66	74	74	69	68	68	70	61	63	*63	68	70	70	64.3
Owensboro	Maximum	75	77	78	80	81	85	86	87	90	88	89	80	88	87	87	84	84	80	75	86	94	89	91	91	82	85	88	90	93	89	90	85.5
	Minimum	53	54	55	55	59	56	58	63	63	60	67	69	70	64	61	67	58	67	68	72	70	72	62	64	59	62	62	64	69	70	70	63.0
Paducah (near)	Maximum	80	79	80	84	82	87	89	91	89	90	92	82	92	85	90	86	89	84	88	94	95	95	94	93	87	90	91	93	95	92	91	88.7
	Minimum	51	50	51	50	56	54	56	59	69	64	60	70	68	58	66	67	70	64	61	70	74	75	75	67	68	60	63	64	67	72	71	63.5
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Paducah	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	75	75	78	78	79	82	86	90	88	86	91	82	88	85	87	86	87	79	82	92	93	91	91	91	85	85	89	91	92	88	89	85.5
	Minimum	54	53	54	54	58	54	56	59	61	66	59	68	70	68	66	63	68	61	67	70	73	71	71	66	67	60	61	63	65	68	70	63.4
Russellville§§	Maximum	73	77	78	79	82	87	91	94	88	95	85	87	84	86	87	87	82	81	93	94	94	92	92	85	72	90	91	93	92	89	90	*86.8
	Minimum	51	48	50	50	57	55	57	..	60	64	57	60	69	69	65	64	66	60	64	67	72	71	72	65	69	68	58	64	64	68	70	*62.4
Central Division.																																	
Anchorage	Maximum	76	78	78	79	81	80	86	90	86	88	85	87	80	86	86	86	81	79	78	92	93	91	91	92	82	86	90	93	94	93	90	85.7
	Minimum	49	47	51	56	52	59	61	59	59	63	57	67	70	62	62	57	60	51	62	66	71	69	68	56	60	53	57	59	60	69	70	60.0
Bardstown	Maximum	76	77	76	78	81	80	90	93	89	92	88	87	80	86	86	86	83	83	75	91	94	94	92	94	85	85	91	94	96	90	91	86.6
	Minimum	51	49	51	52	56	58	62	57	60	67	57	70	70	65	63	59	64	58	66	66	75	69	70	56	56	55	58	58	58	61	66	70	61.1
Bowling Green	Maximum	82	83	78	82	86	83	87	92	95	93	96	96	96	92	86	84	91	91	86	86	98	96	96	97	98	84	91	98	96	98	91	94	90.8
	Minimum	54	50	52	52	57	58	65	60	62	66	60	68	67	64	62	68	58	65	68	74	69	72	65	69	59	60	63	65	67	70	68	70	63.0
Dix Dam	Maximum	80	79	80	84	82	87	89	91	89	90	92	82	92	85	90	86	89	84	88	94	95	95	94	93	87	90	91	93	95	92	91	88.7
	Minimum	51	50	51	50	56	54	56	59	69	64	60	70	68	58	66	67	70	64	61	70	74	75	75	67	68	60	63	64	67	72	71	63.5
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Paducah	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	75	75	78	78	79	82	86	90	88	86	91	82	88	85	87	86	87	79	82	92	93	91	91	91	85	85	89	91	92	88	89	85.5
	Minimum	54	53	54	54	58	54	56	59	61	66	59	68	70	68	66	63	68	61	67	70	73	71	71	66	67	60	61	63	65	68	70	63.4
Russellville§§	Maximum	73	77	78	79	82	87	91	94	88	95	85	87	84	86	87	87	82	81	93	94	94	92	92	85	72	90	91	93	92	89	90	*86.8
	Minimum	51	48	50	50	57	55	57	..	60	64	57	60	69	69	65	64	66	60	64	67	72	71	72	65	69	68	58	64	64	68	70	*62.4
Central Division.																																	
Anchorage	Maximum	76	78	78	79	81	80	86	90	86	88	85	87	80	86	86	86	81	79	78	92	93	91	91	92	82	86	90	93	94	93	90	85.7
	Minimum	49	47	51	56	52	59	61	59	59	63	57	67	70	62	62	57	60	51	62	66	71	69	68	56	60	53	57	59	60	69	70	60.0
Bardstown	Maximum	76	77	76	78	81	80	90	93	89	92	88	87	80	86	86	86	83	83	75	91	94	94	92	94	85	85	91	94	96	90	91	86.6
	Minimum	51	49	51	52	56	58	62	57	60	67	57	70	70	65	63	59	64	58	66	66	75	69	70	56	56	55	58	58	58	61	66	70	61.1
Bowling Green	Maximum	82	83	78	82	86	83	87	92	95	93	96	96	96	92	86	84	91	91	86	86	98	96	96	97	98	84	91	98	96	98	91	94	90.8
	Minimum	54	50	52	52	57	58	65	60	62	66	60	68	67	64	62	68	58	65	68	74	69	72	65	69	59	60	63	65	67	70	68	70	63.0
Dix Dam	Maximum	80	79	80	84	82	87	89	91	89	90	92	82	92	85	90	86	89	84	88	94	95	95	94	93	87	90	91	93	95	92	91	88.7
	Minimum	51	50	51	50	56	54	56	59	69	64	60	70	68	58	66	67	70	64	61	70	74	75	75	67	68	60	63	64	67	72	71	63.5
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Paducah	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	75	75	78	78	79	82	86	90	88	86	91	82	88	85	87	86	87	79	82	92	93	91	91	91	85	85	89	91	92	88	89	85.5
	Minimum	54	53	54	54	58	54	56	59	61	66	59	68	70	68	66	63	68	61	67	70	73	71	71	66	67	60	61	63	65	68	70	63.4
Russellville§§	Maximum	73	77	78	79	82	87	91	94	88	95	85	87	84	86	87	87	82	81	93	94	94	92	92	85	72	90	91	93	92	89	90	*86.8
	Minimum	51	48	50	50	57	55	57	..	60	64	57	60	69	69	65	64	66	60	64	67	72	71	72	65	69	68	58	64	64	68	70	*62.4
Eastern Division.																																	
Ashland	Maximum	74	74	76	79	81	82	80	86	89	86	85	87	85	83	84	84	82	81	81	87	87	92	88	90	86	82	84	86	90	92	87	84.2
	Minimum	56	51	52	58	61	64	63	62	70	60	62	69	64	63	56	62	51	58	59	70	69	69	63	69	57	55	58	60	69	57	55	60	61.7
Beattyville	Maximum	78	78	78	79	82	84	83	88	89	87	88	87	88	78	88	88	84	81	75	90	96	96	98	92	83	86	88	92	92	94	87	86.3
	Minimum	50	50	50	58	58	58	59	62	61	67	60	63	68	63	63	59	64	51	59	67	74	67	66	68	67	56	55	57	63	66	69	70	60.9
Berea	Maximum	73	72	75	80	77	84	80	83	86	81	84	84	83	79	83	81	81	75	72	87	90	91	86	88	78	83	88	90	89	89	84	84	81.9
	Minimum	45	49	50	58	56	61	60	60	62	60	57	59	66	55	59	60	65	53	62	66	74	75	71	56	70	55	54	64	66	71	70	60.7
Farmers	Maximum	70	71	80	79	81	80	83	86	88	85	89	87	85	81	87	84	80	81	75	90	91	90	96	89	82	87	90	92	91	88	84	84.9
	Minimum	52	48	49	57	54	62	58	61	55	67	53	59	67	60	62	56	58	46	56	59	66	63	72	52	65	52	53	54	58	60	67	58.1
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Harlan	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Jackson	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Maximum	78	78	81	78	84	80	85	86	91	89	91	89	87	76	78	85	80	81	83	87	83	93	92	92	83	84	91	93	94	95	89	85.7
Maysville	Minimum	56	56	53	53	59	64	63	61	61	68	60	65	69	67	66	62	65	52	61	62	71	70	66	62	66	57	57	61	64	68	70	62.4
	Maximum	77	78	79	85	80	77	80	85	87	79	86	85	85	83	86	88	88	83	76	89	92	93	89	89	86	83	87	88	89	89	83	84.7
Middlesboro	Minimum	55	56	50	54	66	68	60	61	59	63	61	64	69	64	64	62	63	61	63	65	67	67	67	65	65	55	55	57	60	61	67	61.4
	Maximum	74	75	77	79	80	83	84	87	89	86	88	89	86	81	87	84	84	77	81	89	93	91	88	89	82	84	85	90	94	93	88	85.2
Mount Sterling	Minimum	54	55	52	54	56	57	58	59	59	60	62	62	65	64	62	60	63	53	57	64	68	70	70	58	68	54	53	56	63	66	68	60.4
	Maximum	74	75	76	80	81	76	85	87	88	87	88	91	86	80	86	85	86	80	82	77	90	92	92	92	91	83	91	94	93	93	88	85.5
Richmond	Minimum	56	58	54	58	57	62	63	62	64	69	62	62	68	67	65	64	67	54	64	67	73	73	71	63	63	59	59	64	69	70	70	63.2
	Maximum	77	80	80	78	84	79	86	88	92	91	89	88	89	88	89	89	91	84	77	91	96	96	91	92	92	85	89	88	91	89	89	84.9
Sergent	Minimum	58	52	51	51	60	64	61	63	61	68	62	62	68	67	65	64	67	54	64	67	73	73	71	61	63	59	59	64	69	70	70	63.2
	Maximum	77	80	80	78	84	79	86	88	92	91	89	88	89	88	89	89	91	84	77	91	96	96	91	92	92	85	89	88	91	89	89	84.9
Williamsburg	Minimum	51	49	51	51	59	63	59	61	58	68	60	65	69	65	65	63	64	58	65	66	69	66	69	68	67	56	56	59	62	65	71	62.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, ‡ etc. indicate respectively 1, 2, 3 etc., days missing from record.

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

LIBRARY OF THE
OCT 3 1924
UNIVERSITY OF ILLINOIS

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., AUGUST, 1924. No. 8

GENERAL SUMMARY.

Except for a short period of unseasonably cool weather, about a week in length, near the middle of the month; temperatures averaged near or above normal on most days. The warm weather and abundant sunshine favored the growth of corn in those districts where soil moisture was sufficient. Precipitation was variable, badly distributed, and more or less deficient in most localities. In the bluegrass region, the south-central counties, and the Green River Valley, periods of three weeks or more elapsed between good rains. On the stronger soils of the northeastern and southwestern counties corn and tobacco made good growth; but on the thinner soils elsewhere in the dry districts these crops "fired" and suffered marked injury from drought. A serious result of the dry weather was its retarding influence on the growth of late corn and tobacco, much of which could not be expected to mature except under the most favorable weather conditions. Early tobacco failed to spread properly, and there was also a disposition to premature ripening and drying of the bottom leaves. Cutting commenced in a limited way late in the month, brought about somewhat prematurely in many cases because of "firing." Not all late tobacco was topped, farmers prefering to take the risk of frost damage in order to obtain a larger yield; as undersized tobacco, too small to be topped for good leaf, represented an exceptionally large part of the crop. In the east-central and extreme western counties enough rain occurred to keep the staple crops growing. Rust on tobacco remained localized, due to the dry weather, and caused little injury. Alfalfa and other forage crops grew well until affected by the drought near the end of the month. Late potatoes came up well, but moisture was not sufficient to keep them growing properly. Pastures deteriorated in most districts. The weather was favorable for cotton, which is being grown experimentally in a much larger area in the southwestern counties.

TEMPERATURE.

The average temperature for the State, 40 stations reporting, was 76.5°, which is 0.9° above normal. Moderately high maxima, frequently above 90°, occurred almost daily during the first and last decades. There were many warm nights, favorable for corn, in this period. Cool weather, with comparatively low night temperatures, prevailed on several days near the middle and at the end of the month. Extremes for the State were 108° on the 21st, at Franklin, and 43° on the 15th, at Farmers.

PRECIPITATION.

The average precipitation for the State, based on the records of 70 stations, was 3.00 inches, which is 0.71 inch less than normal. It occurred in the form of frequent local thundershowers, often so light as to be of little consequence. There was no period of general rains. The precipitation on the 7th, when most stations in the central and western counties received moderate to heavy showers, came nearest to reaching all districts. Showers also occurred locally in the periods, 1st-3d, 12th, 16-17th, and 20-25th. The areal distribution was extremely irregular. In a broad belt extending from east to west across the central counties, monthly amounts ranged from 3.0 to 7.0 inches; and in most of the Purchase from 3.0 to 6.0 inches. In the northern bluegrass and most of the southern counties they varied between 1.0 and 3.0 inches, while in most of the Green River Valley less than 1.0 was received. For the State amounts ranged between 0.32 inch at Bowling Green (No. 2) and 7.17 inches at St. John.

PRESSURE AND WIND.

Stations	Atmospheric Pressure (in inches reduced to sea-level). Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement	Av. hourly velocity	Max. Velocity* Miles per hour	Direction	Date
Cairo Ill	29.97	30.14	12	29.77	24	4429	5.9	42	n.	9
Cincinnati ..... Ohio	30.00	30.19	14	29.76	24	4059	5.5	38	nw.	10
Evansville ..... Ind.	30.00	30.13	14	29.77	24	4289	8.6	35	n.	9
Lexington ..... Ky.	30.00	30.16	18	29.76	25	7953	10.7	50	w.	6
Louisville ..... Ky.	30.01	30.19	14	29.78	24	6094	8.2	44	sw.	26

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	85	63	70	357.0	420.6	85	22	1
Cincinnati ..... Ohio.	79	53	66	316.4	424.5	75	18	3
Evansville ..... Ind.	78	51	57	317.1	421.7	75	23	1
Lexington ..... Ky.	82	62	.....	264.5	421.7	63	9	4
Louisville ..... Ky.	79	60	69	315.4	421.7	75	18	4

COMPARATIVE DATA FOR AUGUST.

Year	Temperature. Monthly average	Departure from 35-year normal	Highest	Lowest	Precipitation. Monthly average.	Departure from 35-year normal	No. of days with .01 inch or more rain
1889	70.6	−5.1	100	43	1.23	−2.33	...
1890	73.2	−2.5	101	44	6.16	+2.60	...
1891	72.9	−2.8	105	43	5.82	+2.26	...
1892	75.4	−0.3	96	45	3.13	−0.43	...
1893	74.8	−0.9	99	48	1.72	−1.84	...
1894	77.1	+1.4	105	41	3.02	−0.54	5
1895	76.6	+0.9	102	49	2.15	−1.41	6
1896	77.1	+1.4	105	41	2.83	−0.73	9
1897	75.2	−0.5	101	49	2.33	−1.23	7
1898	76.7	+1.0	100	55	3.83	+0.27	6
1899	78.1	+2.4	102	51	3.09	−0.47	6
1900	80.4	+4.7	104	52	2.74	−0.82	12
1901	75.5	−0.2	101	50	5.12	+1.56	7
1902	75.6	−0.1	103	45	2.48	−1.08	8
1903	75.5	−0.2	100	49	3.27	−0.29	8
1904	75.2	−0.5	100	45	2.64	−0.92	9
1905	75.7	0.0	99	42	3.83	+0.26	10
1906	77.4	+1.7	99	45	4.37	+0.81	10
1907	74.8	−0.9	99	48	4.27	+0.71	6
1908	76.3	+0.6	104	49	2.79	−0.77	7
1909	76.9	+1.2	104	45	2.60	−0.96	6
1910	76.0	−1.7	100	46	2.72	−0.84	10
1911	76.2	+0.5	106	45	4.03	+0.47	13
1912	73.7	−2.0	98	43	4.71	+1.15	7
1913	78.0	+2.3	108	44	2.81	−0.75	12
1914	76.0	+0.3	100	49	5.94	+2.38	14
1915	71.3	−4.4	100	42	6.29	+2.73	9
1916	75.6	+1.3	101	47	4.25	+0.69	8
1917	73.9	−1.8	100	42	3.49	−0.07	7
1918	80.2	+4.5	111	50	3.18	−0.38	8
1919	75.0	−0.7	104	47	3.49	−0.07	13
1920	73.4	−2.3	98	43	5.80	+2.24	10
1921	76.0	+0.3	102	48	5.28	+1.72	6
1922	75.2	−0.5	101	47	2.43	−1.13	12
1923	75.4	−0.3	99	43	6.03	+2.20	12
1924	76.5	+0.9	108	43	3.00	−0.71	7

Climatological Data for August, 1924.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	20	.....	.....	100	4†	.....	.....	.....	1.33	−1.98	0.78	0	3	26	3	2	s.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	42	75.7	− 1.1	92	30	57	13†	33	2.56	−0.58	1.26	0	8	19	8	4	sw	E. W. Horr.
Calhoun	McLean	437	20	77.1	− 0.3	98	30†	53	15†	41	0.68	−2.97	0.25	0	6	16	14	1	se.	W. A. Taylor.
Earlington	Hopkins	420	33	79.2	+ 2.1	102	30	53	15	44	1.24	−1.91	0.55	0	6	27	3	1	sw.	Brick Southworth.
Greenville	Muhlenburg	519	7	77.0	.....	102	21	51	29	44	2.85	.....	2.00	0	2	28	3	0	s.	C. R. Lovell.
Henderson	Henderson	382	15	.....	.....	.....	.....	.....	.....	.....	0.97	−1.79	0.62	0	7	.....	.....	.....	.....	W. E. Shelby.
Hopkinsville	Christian	524	27	79.2	+ 1.4	101	30	55	13†	44	4.24	+1.19	1.53	0	6	27	0	4	se.	W. E. Graves.
Marion	Crittenden	571	25	77.6	− 0.5	95	31	57	14	32	5.97	+3.18	2.97	0	6	19	8	4	sw.	B. C. Paris.
Mayfield	Graves	364	11	77.9	+ 0.6	97	28†	55	15	41	3.32	−0.01	1.65	0	5	22	9	0	sw.	N. E. Douthit.
Owensboro	Daviess	479	27	76.7	+ 0.3	97	30	53	13	40	0.84	−2.75	0.30	0	7	21	6	4	s.	Henry S. Berry.
Paducah (near)§	McCracken	516	6	79.0	.....	98	4†	55	13	39	3.10	.....	0.70	0	7	25	5	1	s.	J. W. Lilley
Paducah	McCracken	341	35	.....	.....	.....	.....	.....	.....	.....	2.15	−1.13	0.63	0	8	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	13	77.2	− 0.5	98	30	55	15	40	1.75	−1.77	0.42	0	8	17	10	4	s.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	344	0	.....	.....	.....	.....	.....	.....	.....	0.69	.....	0.35	0	5	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	11	78.3	+ 0.2	100	30	54	15†	43	0.72	−1.91	0.40	0	4	27	0	4	s.	E. C. Shelton.
Central Division.																				
Anchorage	Jefferson	700	23	75.0	+ 0.3	98	31	48	15	41	2.51	−1.38	0.75	0	6	26	1	4	sw.	C. E. Barret.
Bardstown	Nelson	637	27	76.6	− 0.6	98	30†	51	15	41	3.60	−0.01	1.04	0	6	25	0	6	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	33	80.3	+ 2.0	102	21†	54	15	43	0.70	−2.82	0.20	0	6	23	7	1	s.	Mrs. Lillie G. Causey
Bowling Green, No. 2	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	0.32	.....	0.13	0	3	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	6	.....	.....	.....	.....	.....	.....	.....	2.48	.....	1.71	0	5	.....	.....	.....	.....	Virgi M. Whalin.
Burnside	Pulaski	773	31	.....	.....	.....	.....	.....	.....	.....	2.30	−1.86	0.76	0	7	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	24	.....	.....	.....	.....	.....	.....	.....	2.12	−0.70	0.66	0	7	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	10	.....	.....	.....	.....	.....	.....	.....	3.78	−0.04	2.15	0	6	.....	.....	.....	.....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	0	77.0	.....	98[a]	31	52[a]	15	36[a]	4.59	.....	2.00	0	7	23[a]	4[a]	3[a]	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	29	75.9	+ 2.1	99	31	45	18	40	2.46	−1.88	1.00	0	5	14	10	7	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	30	76.1	+ 1.1	94	5†	52	15	33	1.71	−1.97	0.80	0	8	22	2	7	s.	Sidney Wood.
Franklin	Simpson	691	28	78.7	+ 1.5	103	21	57	17	36	2.09	−1.21	1.50	0	3	20	8	3	s.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	11	.....	.....	.....	.....	.....	.....	.....	1.36	−2.57	0.50	0	6	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	2	79.6	.....	101	21†	50	31	43	0.64	.....	0.38	0	2	23	5	3	s.	Dr. Fidella Edwards.
Greensburg	Green	581	31	75.0	− 0.3	93	19†	50	15	38	3.74	−0.16	1.50	0	7	12	3	16	s.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	550	21	.....	.....	.....	.....	.....	.....	.....	3.69	−0.36	1.80	0	8	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	26	76.2	+ 0.2	94	22	55	13†	32	3.70	+0.10	2.15	0	6	21	6	4	sw.	W. J. Pizzott.
Junction City	Boyle	985	30	75.6	+ 1.1	98	22	45	15	43	3.82	+0.27	1.03	0	7	18	10	3	s.	William E. Grubbs.
Leitchfield	Grayson	635	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. B. Willis.
Lexington	Fayette	989	36	75.1	+ 0.6	94	31	54	14	32	2.28	−1.29	0.47	0	8	16	11	4	sw.	U. S. Weather Bureau
Little Hickman, Lock 8¶	Jessamine	523	12	.....	.....	.....	.....	.....	.....	.....	3.49	−1.46	1.36	0	6	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	436	12	.....	.....	.....	.....	.....	.....	.....	1.07	−3.09	0.28	0	5	.....	.....	.....	.....	Andrew J. Keenan.
LOUISVILLE	Jefferson	525	51	76.8	− 0.2	95	31	56	14	30	2.50	−1.01	0.62	0	10	19	8	4	n.	U. S. Weather Bureau.
Do.(Cherokee Park).	Do.	534	14	74.6	− 0.1	92	5†	51	15	31	2.43	−1.53	0.60	0	8	19	8	4	s.	Wm. I. Hunt.
Pilcher (Dam 43)	Meade	363	1	.....	.....	.....	.....	.....	.....	.....	1.76	.....	0.58	0	8	.....	.....	.....	.....	W. D. Farnsley.
St. John	Hardin	777	27	75.8	+ 1.1	98	21†	53	14†	39	7.17	+3.54	2.50	0	7	21	8	2	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	490	9	.....	.....	.....	.....	.....	.....	.....	2.01	.....	0.45	0	7	.....	.....	.....	.....	Ernest M. Searcy.
Scott¶	Kenton	900	26	73.8	− 1.3	96	5	51	15	32	4.92	+1.38	1.80	0	9	17	11	3	n.	E. B. Wilson.
Shelbyville	Shelby	825	34	74.9	− 0.6	96	31	50	15	34	2.91	−0.45	1.13	0	6	21	3	7	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	21	[b]75.8	+ 1.5	92[b]	22†	53[b]	29	35[b]	2.07	−1.80	0.58	0	7	15[b]	4[b]	4[b]	sw.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	476	5	.....	.....	.....	.....	.....	.....	.....	1.02	.....	0.34	0	6	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	20	74.±	+ 0.6	94	31	51	14†	33	2.26	−1.93	0.80	0	7	18	8	5	w.	Mrs. E. S. Hunnlong.
Woodbury, Lock 4‡	Butler	533	6	.....	.....	.....	.....	.....	.....	.....	2.03	.....	1.30	0	5	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	5	75.5	.....	96	6	50	19	39	6.05	.....	2.70	0	7	21	0	10	sw.	W. B. Shaw.
Beattyville	Lee	650	19	76.4	+ 1.3	97	5	50	15	38	7.13	+2.65	2.02	0	11	6	9	16	e.	Mrs. Sabina E. Hall.
Berea	Madison	1070	20	74.4	0.0	92	5†	50	15	34	4.45	−0.13	1.23	0	9	15	11	5	n.	Frank Montgomery.
College Hill, Lock 11	Madison	576	11	.....	.....	.....	.....	.....	.....	.....	5.88	+1.52	1.50	0	10	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	684	6	.....	.....	.....	.....	.....	.....	.....	3.27	.....	1.53	0	5	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	35	.....	.....	.....	.....	.....	.....	.....	1.20	−2.33	0.41	0	5	21	6	4	s.	J. Y. Oldham.
Farmers	Rowan	668	14	73.5	− 0.6	96	5†	43	15	43	2.93	−1.64	0.80	0	6	17	9	5	ne.	Mrs. Edna Tinsley.
Ford, Lock 10¶	Clark	559	6	.....	.....	.....	.....	.....	.....	.....	4.27	.....	1.08	0	9	.....	.....	.....	.....	John A. Walters.
Harlan	Harlan	1197	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	629	5	.....	.....	.....	.....	.....	.....	.....	5.93	.....	1.36	0	11	.....	.....	.....	.....	.....
Jackson	Breathitt	776	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	17	.....	.....	.....	.....	.....	.....	.....	3.53	−0.30	1.71	0	5	.....	.....	.....	.....	Harry M. Robinson.
Maysville	Mason	524	26	76.0	+ 0.3	98	5	53	14	34	3.18	−0.80	0.78	0	9	20	8	3	w.	R. H. Perkins.
Middlesboro	Bell	1128	26	75.4	+ 1.2	99	4	52	15†	38	1.33	−2.93	0.46	0	8	23	7	1	.....	W. R. McKeon.
Mount Sterling	Montgomery	930	34	74.6	+ 0.5	97	21	48	15	36	2.62	−1.35	0.78	0	7	25	3	3	w.	M. W. Kinner.
Oliver, Dam 30	Greenup	540	4	.....	.....	.....	.....	.....	.....	.....	2.16	.....	0.83	0	5	.....	.....	.....	.....	Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	443	2	.....	.....	.....	.....	.....	.....	.....	4.02	.....	1.42	0	7	.....	.....	.....	.....	Robert Repass.
Pikeville	Pike	634	18	.....	.....	.....	.....	.....	.....	.....	4.84	+0.70	0.96	0	10	.....	.....	.....	.....	Walter P. Bush.
Ravenna, Lock 12	Estill	593	3	.....	.....	.....	.....	.....	.....	.....	4.08	.....	1.19	0	6	.....	.....	.....	.....	J. W. Crooke
Richmond	Madison	926	29	77.4	+ 1.9	98	30	54	15	33	6.97	+3.37	1.53	0	9	26	1	4	s.	A. K. Williams.
Sergent	Letcher	1235	1	75.5	.....	94	6	51	15	36	7.05	.....	2.70	0	9	25	6	0	s.	Thos. Sullivan.
Valley View, Lock 9	Madison	541	8	.....	.....	.....	.....	.....	.....	.....	2.58	−2.08	1.00	0	7	.....	.....	.....	.....	Samuel Johnson.
Vanceburg, Dam 32	Lewis	525	7	.....	.....	.....	.....	.....	.....	.....	3.61	−0.63	0.93	0	7	.....	.....	.....	.....	Lawrence R. Uhl.
Williamsburg	Whitley	939	26	77.6	+ 1.5	98	5†	53	15	42	1.64	−3.02	0.78	0	3	25	6	0	.....	Shelby Angel.
Willow Lock 13	Lee	611	2	.....	.....	.....	.....	.....	.....	.....	5.48	.....	1.50	0	9	.....	.....	.....	.....	
State averages and extremes				76.5	.....	103	21	43	15	44	3.00	.....	2.97	0	7	21	6	4	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
[a] Also on other dates. †Received too late to be included in means and summaries. †Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.
¶Post-office addresses: —Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

MISCELLANEOUS.

August 2:—A man was killed by lightning near Elizabethtown, while seeking shelter in a barn.

August 6:—Two boys were killed by lightning near South Union, Grayson County, while in an open yard.

Daily Precipitation for August, 1924

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ‖ ..... G.							.78				.50																					
Blandville ..... M.	.14	.26				1.26		.04		.11					.26	.17								.05								1.53
Calhoun ..... G.		.11						.25		.03		.15	T.			.08				T.				.32								2.55
Earlington ‖ ..... G.	.04	.16						.55		.15		.32				T.	.02						T.	.06								1.68
Greenville ..... G.	T.	T.						.85																T.								1.44
Henderson ‖ ..... O.								.12		.08		.02				.08	.04						.01									2.86
Hopkinsville ‖ ..... C.	1.53	.37	.06				1.40					.86				.02																6.97
Marion ..... O.	2.97	T.				.20	1.49		.29	T.	.79					T.					T.		.23	T.								4.44
Mayfield ..... M.	1.65	.15			T		.85		.22	T.		T.																				5.95
Owensboro ‖ ..... O.	T.		.30				.03		.04		.14	T.		T.	T.	.22						.09		.45								3.92
Paducah (near) ¶ ..... O.	.80	.70				.15	.25		.10						.45										.02							6.84
Paducah ‖ ..... O.		.13	.27				.52		.10		.06				.18	.26								.65								3.10
Princeton ..... G.	.40	.18				.30			.23		.10				.05							.42		.07								2.15
Ramsey, Lock No. 2 ‖ ..... G.			.12				.35				.13				.04	.03																1.75
Russellville ‖ ..... G.	.04		.09				.40				.19																					0.67
Central Division																																6.72
Anchorage ..... O.		.34					.21				.38		T.			.28				.55		T.	.75									
Bardstown ‖ ..... S.			1.04				.46					.90					.27				.90			.03								2.51
Bowling Green ‖ ..... G.	.18	.05					.20					.20					.05							.02								3.60
Bowling Green, No. 2 ‖ ..... G.	.08						.13					.11																				0.70
Brownsville, Lock No. 6 ‖ ..... G.	.14		.04				1.71					.55					.04															0.32
Burnside ‖ ..... C.	.34		.76				.06	.08				.25					.06															2.48
Carrollton ‖ (Lock No. 1) ..... K.			.26	T.			.21					.48					.08			.66			.03	.40								2.30
Cloverport ‖ ..... O.			2.15				.38					.97		.05	T.		.13							.10								2.12
Dix Dam, Burgin ..... K.		.55	T.				2.00	T.			.56	.03	T.		T.	.55	T.			.12				.78	T.							3.78
Eubank ‖ ..... C.	.15		.89								1.00																					4.59
Frankfort ‖ ..... K.	.05		.20				.14					.12					.40							.02								2.46
Franklin ..... G.																	.35															1.71
Gest, Lock No. 3 ‖ ..... K.			.50				.35			1.50						.24						.02	.03	.80								2.09
Glasgow ..... G.		.26								.20						.22				.30	.06	T.										1.36
Greensburg ‖ ..... G.	.59		.55				.38																	.68								0.64
High Bridge, Lock No. 7 ‖ ..... K.	.01		.55				.36	.18			.38						.18								1.50								3.74
Irvington ..... O.		2.15					1.80					.52					.40				.08					.27	.06					3.69
Junction City ..... K.		1.03					.18	.10			.52					.15				T.			T.	.60								3.70
Leitchfield ..... G.							.54				.55		.01			.27				.67				.75								3.82
Lexington *** ..... K.		.41		.80	.05	.42					.33						.43				.02											2.28
Little Hickman, Lock No. 8 ‖ ..... K.			.62				1.36					.55						.74				.10	.32	T.						T.		3.49
Lockport, Lock No. 2 ‖ ..... K.		.28			T.			T.			.28						.24		.01	.25			T.									1.07
LOUISVILLE *** ..... O.		.38				.24			T.		.40	.01	.04			.29				.47		.05	.60	.02								2.50
Do. (Cherokee Park) ..... O.		.62					.31		T.		*	.23	.02			.35				.60		T.	.40									2.43
Pilcher Dam 43 ‖ ..... O.			.58				.22		.01			.39	.10				.20				.08				.15							1.76
St. John ‖ ..... S.		2.50		1.06		.30					1.79						.14				.06				1.32							7.17
Salvisa, Lock No 6 ‖ ..... K.		.42	T.		.45	.15		.15								.40			.22			.22										2.01
Scott ..... L.	T.					T.					.35	.12	.20			.04			1.80		1.22	.92	.06		.21							4.92
Shelbyville ‖ ..... S.		.13				.22						.24									.55	.64	1.13									2.91
Taylorsville ..... S.	.27		.10			.58		.10		.26					.53				.23	T.												2.07
Tyrone, Lock No. 5 ‖ ..... K.	.34				.20	.05				.10														.30		.03						1.02
Williamstown ‖ ..... L.				.23		.16					.18				.15	.80	.34								.40							2.26
Woodbury, Lock No. 4 ‖ ..... G.		.03				1.30				T.	.64				.04		.02							T.								2.03
Eastern Division																																
Ashland ‖ ..... O.	.80																															
Beattyville ‖ ..... K.	.25		.55			T.	.30				.30					.15			1.15		.65		2.70									6.05
Berea ..... K.	.33	.65				.03	.07			1.68						.89			.22	.18	.76		2.02	.48								7.13
College Hill, Lock No. 11 ‖ ..... K.	.12		.35	.90		.50				.81	.04				.54				.22		.13		1.23									4.45
Cynthiana ‖ ..... L.						.95	.40				.45					1.10			.08	.03	T.		1.50									5.88
Falmouth ‖ ..... L.																																
Farmers ‖ ..... L.						T.					.15					.14			.36	.14	T.		1.53									3.27
Ford, Lock No. 10 ‖ ..... K.	T.		.15		.10		.80	.33			.25					.90			.03	.63			1.08									4.27
Harlan ..... K.																																
Heidelberg, Lock No. 14 ‖ ..... K.	.03		.40			.05	.08				.70				1.05				.11	.09	1.04		1.36	1.02								5.93
Jackson ‖ ..... K.																																
Louisa ‖ ..... B.																																
Maysville ‖ ..... O.	.35					.10					.58					.20			.55	.49			1.71									3.53
Middlesboro ..... C.						.46		.23			.32		.10		T.	.25			.75	.35	.18		.78									3.18
Mount Sterling ‖ ..... L.	T.				T.	.78	.13				.29				.02	.07					.16	.05	.05									1.38
Oliver, Dam 30 ‖ ..... K.						.05					.36					.68			.02	.10			.55									2.62
Oneonta Dam 35 ‖ ..... O.						.09										.57			.53		.12		.83									2.10
Pikeville ‖ ..... B.	.84		.16		T.		.42				.80					.21			.81	.22	.91		1.42									4.02
Ravenna, Lock No. 12 ‖ ..... K.			.60			T.	.78				.96					.72			.08	.16	.06	.96	.64									4.84
Richmond ‖ ..... K.	.55		1.18		.58	1.25	.20				.59	T.	T.		T.	1.19			T.	.20			.35									4.08
Sergent ..... K.	.20	.66	.09													1.53			T.	.04			1.10									6.97
Valley View, Lock No. 9 ‖ ..... K.	.30	.33				T.					.40					.70			.10		1.00	2.70	1.20									7.05
Vanceburg, Dam No. 32 ‖ ..... O.										.27					1.00				.20		.08	.40										2.58
Williamsburg ‖ ..... C.	T.		.66		T.	T.	T.			.20						.57			.92	.15	.48		.93									3.61
Willow, Lock No. 13 ‖ ..... K.	.45		.19			.39					1.43					1.50			.20	.06		.67		.59								5.48

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

August 24:—A boy was killed by lightning near Bagdad, while in a barn. Lightning destroyed three valuable horses and two barns in Bourbon County.

Hail damaged crops in Hardin, Larue, and Simpson counties on the 2d; near Greensburg on the 11th; and near Lexington on the 31st.

Rivers.—Stages were low in all streams during the month.

Daily Temperatures for August, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.	Maximum	93	89	94	100	100	98	90	95	92	90	89	83	86	83	89	88	87	87	97	95	100	100	97	90	90	90	100	95	93	100	99	93.2
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Beaver Dam	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	80	80	81	81	83	83	91	90	91	91	91	89	82	83	84	88	91	96	92	85.3
	Minimum	83	76	89	91	91	88	83	83	86	83	78	78	70	68	67	64	61	65	60	66	72	72	72	72	66	69	61	64	71	61	59	70	66.1
Blandville	Maximum	67	69	68	74	71	70	69	69	67	72	66	59	57	58	57	61	65	60	66	72	72	72	72	72	66	66	62	57	62	70	53	57	65.0
	Minimum	90	84	89	96	94	90	90	90	90	89	83	80	83	80	84	82	82	84	91	91	96	94	91	91	91	90	74	70	68	66	62	57	83.0
Calhoun	Maximum	71	70	67	74	73	72	73	68	68	69	65	60	54	58	53	58	68	66	57	61	76	70	70	68	66	62	57	62	70	53	57	57	65.3
	Minimum	93	88	95	100	98	94	90	94	93	89	87	84	87	94	87	80	87	89	96	96	101	98	97	89	90	94	94	96	95	102	98	98	90.9
Earlington	Maximum	70	69	65	73	74	76	72	67	69	69	65	60	54	58	53	58	67	55	62	76	73	71	68	67	63	66	64	69	54	58	67	67	65.3
	Minimum	91	87	95	97	97	96	90	92	92	86	93	80	84	81	85	87	84	85	92	91	102	95	98	87	86	90	90	92	60	67	51	55	68.0
Greenville	Maximum	67	65	63	69	72	72	69	65	67	65	63	60	54	56	52	64	66	53	58	73	68	67	65	64	62	54	60	67	51	55	67	67	63.0
	Minimum	87	85	95	99	99	95	90	95	94	90	89	85	88	84	87	89	90	88	92	91	99	99	100	97	97	100	98	100	101	96	96	98	93.6
Hopkinsville	Maximum	87	85	95	99	99	95	90	95	94	90	89	85	88	84	87	86	87	86	92	90	94	90	90	92	84	85	92	92	92	93	95	88	64.9
	Minimum	64	66	65	72	71	70	69	66	69	69	66	60	55	56	55	67	66	56	62	73	70	71	70	69	65	62	54	60	67	59	59	65	65.0
Marion	Maximum	92	88	89	93	94	91	85	88	89	82	85	80	81	71	70	83	83	82	90	90	96	95	95	96	85	85	89	93	97	98	97	94	88.2
	Minimum	66	69	70	76	74	75	71	72	67	69	65	62	60	57	59	67	66	58	66	74	75	75	69	67	61	61	68	76	69	63	72	67	69.6
Mayfield	Maximum	85	85	93	95	94	91	89	90	90	88	83	80	84	83	83	84	87	88	93	95	96	95	96	95	85	85	89	94	98	97	97	96	89.6
	Minimum	72	69	68	75	73	78	71	68	69	72	68	59	56	60	55	57	66	60	68	71	72	72	72	67	61	59	63	68	70	67	67	65	66.2
Owensboro	Maximum	90	85	91	96	96	91	89	90	91	86	86	80	85	85	82	86	87	88	93	95	95	95	96	95	83	85	89	94	98	97	95	89	89.0
	Minimum	69	67	67	71	72	72	72	64	67	67	65	60	63	57	62	67	67	62	58	60	65	71	70	69	65	62	57	62	69	54	57	59	64.4
Paducah (near)	Maximum	89	82	95	98	98	94	92	93	92	91	90	84	87	87	85	87	80	90	93	95	96	96	97	95	88	90	90	92	96	94	98	94	91.4
	Minimum	71	72	68	77	73	72	72	70	68	69	67	59	55	59	58	67	66	60	63	65	73	74	71	68	61	59	67	70	59	59	71	66.5
Paducah	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Princeton	Maximum	87	83	90	95	94	91	88	91	90	86	82	80	83	81	82	87	83	86	92	95	95	92	92	86	86	88	94	92	91	98	94	88.4
	Minimum	69	68	66	72	73	72	71	67	67	70	67	61	57	56	55	67	67	58	64	74	71	71	69	68	62	58	58	66	68	67	67	67	65.6
Russellville§§	Maximum	90	89	93	96	96	95	89	92	92	90	90	81	84	82	88	88	86	89	95	95	98	98	96	87	88	94	94	93	88	96	100	99	92.0
	Minimum	67	67	67	71	72	72	71	66	72	67	65	62	55	57	54	62	69	54	60	63	71	69	69	64	67	57	59	68	54	60	72	64	64.6
Central Division.	Maximum	90	81	89	96	97	94	89	92	92	89	87	82	85	83	87	76	83	82	92	79	96	95	92	89	89	89	93	88	90	97	98	88.7
Anchorage	Minimum	68	67	64	66	67	68	69	63	66	69	66	64	59	50	49	48	64	57	52	57	68	67	68	66	67	67	54	68	57	56	58	58	61.4
	Maximum	89	84	90	95	97	93	88	91	92	88	90	81	85	81	87	77	82	84	95	88	97	97	97	91	92	88	85	90	96	96	98	97	89.8
Bardstown	Minimum	66	66	69	67	73	70	71	65	67	64	62	60	52	54	51	66	61	55	58	71	68	67	68	66	67	67	54	68	57	56	58	58	63.3
	Maximum	93	89	94	99	100	98	93	96	96	94	91	86	89	87	93	91	92	94	99	97	102	101	100	93	90	92	102	98	100	99	101	99	93.1
Bowling Green	Minimum	70	65	67	68	70	71	70	67	70	68	65	61	58	57	57	87	86	80	81	93	89	94	96	93	91	89	91	94	92	88	87	86	75.5
	Maximum	88	86	88	94	96	95	89	91	89	91	87	80	83	...	87	86	80	81	93	89	94	96	93	91	89	91	94	92	88	97	100	99	89.5
Dix Dam	Minimum	67	64	66	66	70	71	70	65	68	65	63	60	56	...	52	67	66	55	58	70	67	69	69	63	63	63	68	69	66	65	66	66	66.0
	Maximum	89	79	89	94	96	93	87	93	91	89	91	79	81	81	87	77	84	81	94	88	97	98	94	94	88	91	92	95	92	98	92	63	62.3
Eubank	Minimum	67	64	62	67	70	69	71	63	65	65	62	60	55	56	48	68	62	46	55	75	65	67	68	60	65	55	58	62	52	63	66	62	62.3
	Maximum	86	84	86	92	94	93	90	91	88	87	85	79	81	80	84	83	80	82	80	82	91	85	93	94	91	85	91	91	88	93	94	97	87.6
Frankfort	Minimum	68	67	68	68	71	71	72	66	69	66	64	59	54	55	52	69	67	57	58	70	68	70	70	65	66	61	62	65	57	61	67	65	64.6
	Maximum	89	91	92	90	88	96	91	92	93	98	88	88	76	77	95	86	85	86	91	92	103	95	93	84	84	90	96	96	96	96	99	95	90.5
Franklin	Minimum	69	70	68	74	72	73	70	70	69	69	68	62	58	59	58	70	57	58	62	75	80	74	72	68	67	64	66	68	66	66	68	66	66.9
	Maximum	89	89	93	97	99	94	91	95	96	94	92	85	87	86	91	86	89	89	97	96	101	101	99	97	92	95	101	99	101	99	100	99	93.8
Glasgow	Minimum	67	68	67	69	70	73	71	66	70	65	66	59	57	51	55	76	69	58	60	70	74	69	70	65	58	58	67	70	57	59	65	63	65.3
	Maximum	88	78	84	91	91	91	85	89	87	86	88	77	81	78	86	78	81	82	93	89	93	93	90	93	82	85	92	89	87	98	92	66	66.3
Greensburg	Minimum	70	66	68	65	69	70	70	65	67	64	64	54	54	55	50	67	65	53	55	72	66	68	69	62	65	58	58	62	57	58	61	68	63.0
	Maximum	90	84	88	93	93	91	86	89	86	85	84	79	81	78	83	80	80	82	91	85	93	94	91	85	81	85	93	94	85	93	94	84	86.9
Irvington	Minimum	67	68	68	71	74	74	72	67	66	68	67	60	55	56	55	67	66	58	60	74	71	71	69	66	66	64	64	67	60	61	68	65.6
	Maximum	91	90	93	96	97	93	86	93	90	91	88	83	85	86	88	75	83	86	92	85	95	98	96	86	84	83	86	90	84	85	93	94	89.5
Junction City	Minimum	65	63	66	61	73	69	69	62	60	61	60	60	51	47	46	63	65	56	52	67	67	65	67	68	63	63	51	64	54	57	65	62	61.6
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Leitchfield	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Maximum	83	75	88	91	93	91	83	87	86	85	83	76	80	77	83	72	78	76	89	79	91	83	89	88	81	86	90	84	85	93	94	84.8
Lexington	Minimum	66	64	66	69	72	69	69	71	68	68	66	60	58	59	54	66	66	62	56	80	80	92	85	94	75	90	86	83	88	91	84	88	96	93	76.8
	Maximum	88	77	88	93	94	92	88	90	88	87	80	80	84	81	83	78	80	80	84	78	80	82	80	80	74	71	71	69	66	66	64	68	66	62	67	73	65.4
Louisville	Minimum	68	68	69	70	76	73	73	72	69	67	63	59	61	56	59	67	63	58	62	70	72	72	70	68	66	64	69	67	64	65	71	67	67.4
	Maximum	85	84	84	91	92	90	86	87	87	85	78	79	78	76	81	74	77	79	88	86	91	95	89	86	82	83	89	88	87	91	92	89	85.0
Louisville (Park)	Minimum	66	66	65	68	72	71	71	67	67	66	61	58	54	54	51	67	62	56	57	69	68	69	71	73	70	68	66	64	69	67	64	65	66	64	65	67	64.2
	Maximum	88	84	89	96	96	93	90	91	90	89	88	80	74	79	87	82	83	81	95	90	93	90	90	84	83	83	83	83	85	87	95	89	97	92	89.0
St. John	Minimum	67	65	66	67	69	68	68	64	67	64	61	59	54	53	54	66	63	56	58	68	67	68	67	66	63	62	58	60	64	58	55	67	68	67	63.5
	Maximum	80	75	86	92	96	93	88	90	87	84	77	79	70	76	83	76	78	77	89	82	92	92	86	84	83	83	85	83	85	86	97	92	97	93	84.7
Scott	Minimum	64	60	62	68	72	72	71	66	66	67	59	57	53	53	51	69	60	54	58	65	70	73	68	65	64	57	65	68	60	60	67	63.0
	Maximum	85	78	86	93	93	91	87	89	89	87	84	81	81	80	84	74	83	80	80	80	88	91	89	86	84	83	86	90	84	86	96	93	96	96	86.9
Shelbyville	Minimum	66	65	65	67	69	70	70	66	66	64	61	56	52	53	50	69	63	55	56	68	68	71	68	64	63	59	61	61	57	60	66	62.9
	Maximum	88	78	84	88	91	90	85	87	86	85	82	...	...	...	...	...	...	...	...	...	...	88	91	92	89	86	82	83	92	86	87	91	92	86.8
Taylorsville	Minimum	67	66	66	66	70	69	72	66	68	65	62	...	...	...	...	...	...	...	...	...	...	72	66	68	69	62	65	57	57	65	58	64	64	64.7
	Maximum	83	81	88	93	98	92	87	89	87	85	81	79	80	79	85	81	79	80	88	88	92	93	88	85	82	84	91	83	85	87	93	94	86.1
Williamstown	Minimum	65	62	63	68	71	72	70	67	67	66	60	59	56	54	54	67	64	55	56	66	69	72	68	67	64	60	64	59	58	60	69	63.6
Eastern Division.	Maximum	81	80	86	90	95	96	90	92	90	86	82	83	82	78	86	80	82	85	89	84	92	93	90	90	81	84	91	87	85	94	92	87.1
Ashland	Minimum	66	61	64	66	74	71	76	67	66	66	64	58	56	56	52	65	66	58	60	66	69	69	72	70	69	69	72	60	66	59	61	68	64.4
	Maximum	91	86	90	94	97	94	88	94	93	93	93	83	85	80	87	86	85	82	90	86	96	95	90	93	84	86	91	94	90	96	95	90	89.8
Beattyville	Minimum	65	62	66	65	69	69	69	68	68	67	63	59	61	54	54	56	62	55	53	52	68	67	70	67	65	64	64	61	64	61	62	63	63.1
	Maximum	88	84	89	89	92	90	82	88	87	85	85	76	78	76	83	75	78	78	87	84	90	93	92	89	87	82	89	91	88	92	93	91	92	91	84.7
Berea	Minimum	66	64	67	69	74	73	70	66	69	63	61	61	54	54	50	68	67	58	57	70	69	72	69	69	62	62	62	59	58	58	61	65	62	59	64	66	64.1
	Maximum	87	87	90	94	96	94	87	90	89	90	85	81	83	82	76	83	76	82	80	90	83	91	95	90	92	86	89	93	90	94	95	96	97	94	88.0
Farmers	Minimum	63	60	63	62	67	63	67	61	62	59	59	59	51	48	43*	61	60	47	48	64	64	66	69	62	62	59	58	58	51	55	62	59.0
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Harlan	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Jackson	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Maximum	86	81	91	94	98	96	88	92	92	89	83	84	85	81	87	75	81	79	89	81	92	96	91	92	83	84	92	86	88	94	96	87.9
Maysville	Minimum	66	63	62	68	72	71	71	66	70	66	61	62	55	53	54	66	64	55	55	66	70	72	71	68	65	62	60	65	59	61	62	62	64.0
	Maximum	89	86	86	94	98	94	84	91	92	92	89	92	83	82	81	86	84	86	86	90	88	94	95	92	86	86	91	89	90	93	96	93	94	94	88.7
Middlesboro	Minimum	65	66	65	64	66	69	68	67	63	65	64	65	58	56	52	58	54	52	58	77	87	81	97	94	90	86	81	85	85	86	86	86	88	87	87	87	87.2
	Maximum	87	86	90	91	96	95	90	89	88	89	83	81	82	79	84	76	88	77	87	81	97	94	90	86	81	85	85	86	86	88	88	87	87	87	87	87	87.2
Mount Sterling	Minimum	66	63	65	67	69	70	71	69	64	66	66	62	60	52	53	48	61	65	52	54	60	67	70	70	69	62	64	66	60	63	64	57	64	62	64	64	62.0
	Maximum	88	83	91	96	96	93	88	90	89	88	86	86	81	87	80	82	87	90	82	94	96	92	94	96	92	90	88	87	85	91	91	91	92	93	98	96	80.1
Richmond	Minimum	68	68	67	69	73	74	70	69	70	69	65	62	57	56	54	67	67	55	58	70	69	73	69	72	69	67	61	64	70	59	65	64	62.4
	Maximum	87	87	87	89	92	94	88	92	93	92	93	76	83	78	85	84	86	88	89	93	96	94	96	97	94	91	92	90	88	91	92	93	97	98	98	95	91.5
Sergent	Minimum	68	62	67	62	64	67	69	67	62	62	62	63	63	58	54	59	59	59	62	53	66	67	68	64	64	60	58	60	58	57	57	57	61	64	62	64	63.7
	Maximum	92	86	90	95	98	95	92	96	94	92	92	92	81	81	87	82	88	87	94	93	98	97	94	85	90	93	98	97	94	96	97	97	96	97	97	97	93.2
Williamsburg	Minimum	67	64	66	73	76	69	69	68	64	66	63	64	59	56	53	62	66	58	56	70	67	68	66	66	60	60	62	62	56	64	62	65	64	62	63.7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, etc. indicate respectively 1, 2, 3 etc., days missing from record.

ANKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

UNIVERSITY OF ILLINOIS
OCT 25 1924
LIBRARY OF THE

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., SEPTEMBER, 1924. No. 9

GENERAL SUMMARY.

The month was one of the coolest of the name on record in this State. Light frost was reported from the central counties on the 6th, and from the central and eastern districts on the 10th. These frosts slightly affected tender vegetation, including tobacco, but caused no damage of consequence. The most serious effect of the prevailing low temperature was to retard the growth and delay the ripening of the late crops; which, because of the extreme backwardness of the season, needed exceptionally favorable conditions to mature before expectation of killing frost. Dry weather, during the first half of the month, approaching severe drought conditions in the Green River Valley and south-central districts, also delayed growth of late corn and tobacco and damaged the late potato crop. Heavy rains about the middle of the month in most of the State, but generally light to moderate in the drought stricken areas, greatly benefited late crops and pastures. Growth continued slow, however, because of the unseasonably cool weather that followed the rains and persisted until the end of the month. Conditions were generally favorable for cutting and curing early tobacco, although the dry weather caused considerable "firing" in the drier districts and reduction in yield. Late tobacco improved after the rains, and cutting had commenced by the close of the month. Early corn matured in good condition in the northern counties, but "fired" badly in large areas in southern districts. It became safe from frost about the third week, but continued so sappy that cutting had to proceed slowly. Late corn grew so slowly that much of it remained in the silk or roasting ear stage when the month ended. Late potatoes made little progress until the rains, but they remained green on account of the cool weather. During the last two weeks they grew fairly well, but they were so late in starting that it was doubtful if the crop could mature before frost. Comparatively light rainfall in the cotton districts favored maturing and opening of bolls. Some excellent results with this crop were reported from a new district in Simpson and adjoining counties.

TEMPERATURE.

The average temperature for the State, 41 stations reporting, was 65 3°, which is 5.0° below normal. Temperatures averaging below normal prevailed throughout the period 2d-18th and on most days during the last decade, with daily deficiencies ranging frequently from 10° to 20°. The extremes for the State were 97° at Earlington on the 1st, and 35° at Farmers on the 6th and at Anchorage on the 10th.

PRECIPITATION.

The average for the State, based on the records of 70 stations, was 4.49 inches, which is 1.68 inches above normal. Precipitation was light and mainly local in the western counties, where amounts ranged from 1 5 to 3.0 inches. It increased toward the east, but was characterized by marked irregularity in the central districts, which received from 3.0 to 5.0 inches, and also in the eastern counties, where from 5.0 to 9.0 inches occurred. Amounts recorded at the various stations ranged between 1.44 inches at Paducah, and 8.94 inches at Middlesboro. Showers occurred locally in the periods 1st-2d, and 8-9th, but rains were moderate to heavy in the central and eastern counties from the 7th to 22d and 28th to 30th. Thunderstorms were reported on 17 days, but were not generally destructive.

MISCELLANEOUS.

Sept 26.—A man was killed by lightning near Tyrone, while standing in the door of a building.

Rivers.—Stages continued relatively low during the month.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. In inches reduced to sea-level.					Wind.				
								Max. Velocity.*		
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Miles per hour.	Direction.	Date.
Cairo .....Ill.	30.04	30.32	22	29.78	19	6603	8.3	30	n.	29
Cincinnati .....Ohio	30.07	30.29	26	29.77	8	4832	6.7	22	s.	20
Evansville ..... Ind.	30.08	30.31	22	29.84	20	7739	10.7	52	w.	21
Lexington .....Ky.	30.07	30.37	26	29.82	8	9081	12.6	46	w.	21
Louisville .....Ky.	30.08	30.28	27	29.81	8	7628	10.9	34	n.	1

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
							Number of days with	
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	80 per cent or more.	20 per cent or less.
Cairo .....Ill.	83	57	68	290.5	372.4	78	17	1
Cincinnati .....Ohio.	82	56	64	168.7	373.1	53	9	8
Evansville.....Ind.	76	49	58	287.8	372.9	77	18	1
Lexington .....Ky.	87	66	.....	166.4	372.9	45	7	10
Louisville .....Ky.	78	54	60	197.5	372.9	53	9	6

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature.				Precipitation.		
	Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more rain
1889	72.1	+2.1	101	36	1.23	−1.53	..
1890	67.0	−3.0	95	36	2.71	−0.05	..
1891	69.5	−0.5	97	42	1.89	−0.87	..
1892	68.5	−1.5	93	38	2.68	−0.08	..
1893	69.6	−0.4	99	35	3.24	+0.48	..
1894	71.7	+1.7	98	37	2.71	−0.05	..
1895	73.4	+3.4	101	27	1.10	−1.65	3
1896	68.6	−1.4	100	36	3.77	+1.01	7
1897	72.8	+2.8	105	31	0.21	−2.56	1
1898	73.4	+3.4	103	42	4.36	+1.60	9
1899	68.7	−1.3	105	27	1.66	−1.10	5
1900	74.6	+4.6	102	35	2.25	−0.51	6
1901	68.1	−1.9	98	33	3.57	+0.81	6
1902	67.3	−2.7	97	29	4.01	+1.25	10
1903	69.1	−0.9	100	32	0.91	−1.85	4
1904	71.1	+1.1	99	34	2.58	−0.18	8
1905	70.2	+0.2	95	36	2.61	−0.15	6
1906	73.0	+3.0	95	45	6.15	+3.39	13
1907	69.1	−0.9	102	35	3.60	+0.24	6
1908	71.6	+1.6	101	30	1.63	−1.73	6
1909	67.7	−2.3	97	32	2.51	−0.25	6
1910	71.8	+1.8	99	38	4.41	+1.65	9
1911	74.3	+4.3	99	46	3.71	+0.95	10
1912	71.0	+1.0	103	33	2.80	+0.04	7
1913	69.6	−0.4	106	29	2.49	−0.27	9
1914	67.8	−2.2	97	36	2.96	+0.20	6
1915	70.7	+0.7	99	32	3.32	+0.56	7
1916	67.2	−2.8	98	32	3.48	+0.72	6
1917	67.7	−2.3	98	34	2.56	−0.20	5
1918	62.8	−7.2	92	30	2.94	+0.18	8
1919	71.5	+1.5	102	40	1.69	−1.07	4
1920	70.8	+0.8	96	38	3.30	+0.54	9
1921	75.5	+5.5	99	45	5.37	+2.61	13
1922	72.7	+2.7	103	39	2.22	−0.54	8
1923	69.8	−0.2	94	30	2.87	+0.11	8
1924	60.3	−5.0	97	35	4.49	+1.68	10

Climatological Data for September, 1924.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days:				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	20	.....	.....	96	1	.....	.....	.....	1.73	−0.95	0.40	0	7	20	4	6	w.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	42	65.0	−5.9	87	21	36	30	32	3.25	+0.10	0.65	0	8	12	9	9	ne.	E. W. Horr.
Calhoun	McLean	437	20	66.0	−6.0	89	1†	40	10†	31	3.83	+1.05	1.75	0	7	11	16	3	n.	W. A. Taylor.
Earlington	Hopkins	420	33	67.4	−3.7	97	1	40	30	42	1.57	−1.12	0.77	0	7	22	3	5	n.	Brick Southworth.
Greenville	Muhlenburg	519	7	[a]66.4	.....	[a]93	1	[a]38	30	[a]41	1.95	.....	0.50	0	6	20	8§	0§	s.	C.R. Lovell.
Hopkinsville	Christian	524	27	68.4	−3.5	95	1	39	30	41	2.22	−0.81	0.71	0	8	17	9	4	n.	W. E. Graves.
Marion	Crittenden	571	25	67.7	−4.5	91	1	39	30	38	2.03	−1.01	0.57	0	5	17	7	6	nw.	B. C. Paris.
Mayfield	Graves	361	11	67.2	−4.2	90	21	36	29	37	2.71	−0.38	0.92	0	9	14	14	2	sw.	N. E. Douthit.
Owensboro	Daviess	479	27	66.0	−4.7	89	1†	39	30	31	2.14	−0.68	0.89	0	8	16	5	9	ne.	Henry S. Berry.
Paducah (near)	McCracken	516	6	66.6	.....	92	21	38	30	35	1.30	.....	0.45	0	7	21	4	5	sw.	J. W. Lilley
Paducah	McCracken	341	35	.....	.....	.....	.....	.....	.....	.....	1.44	−1.50	0.50	0	5	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	13	67.1	−4.3	92	21	39	30	35	1.51	−1.27	0.46	0	9	13	8	9	n.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	344	0	.....	.....	.....	.....	.....	.....	.....	3.82	.....	1.57	0	6	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	11	[a]66.0	−5.5	[a]95†	1	[a]40†	30	[a]40*	3.90	+0.90	1.88	0	7	[a]6†	[a]8	[a]6†	n.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	23	64.6	−3.9	92	1	35	10	45	4.01	+1.35	2.86	0	9	17	5	8	sw	C. E. Barret.
Bardstown	Nelson	637	27	65.8	−6.1	94	1	37	10	39	4.85	+1.95	1.59	0	11	12	2	16	n.	Chas. M. Talbott.
Bowling Green	Warren	500	33	67.8	−3.9	93	1†	40	30	40	5.87	+2.74	1.79	0	12	14	8	8	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	4.85	.....	1.89	0	10	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6	Edmonson	410	6	.....	.....	.....	.....	.....	.....	.....	5.59	.....	1.98	0	14	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	775	31	.....	.....	.....	.....	.....	.....	.....	6.10	+2.56	1.54	0	12	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton	Carroll	422	24	.....	.....	.....	.....	.....	.....	.....	4.23	+1.40	1.39	0	13	.....	.....	.....	.....	Charlie Oliver.
Carrollton, Lock 1	Carroll	375	10	.....	.....	.....	.....	.....	.....	.....	3.12	+0.51	0.88	0	8	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	375	10	.....	.....	.....	.....	.....	.....	.....	5.24	.....	1.21	0	15	13	5	12	nw.	Geo. Henry Ellis.
Dix Dam, Burgin	Mercer	770	0	66.0	.....	92	1	41	10†	35	3.87	+0.36	0.93	0	11	8	8	14	n.	Mrs. Katie Payne.
Eubank	Pulaski	1177	29	65.1	−3.4	95	1	42	6†	40	3.84	+0.36	0.93	0	10	15	3	12	w.	Sidney Wood.
Frankfort	Franklin	560	30	66.6	−2.5	91	1	40	10	32	3.62	+0.16	0.70	0	10	15	3	12	w.	Jos.H. Blewett.
Franklin	Simpson	691	28	66.6	−5.4	95	1	40	10†	33	3.52	+0.16	1.11	0	7	18	6	6	nw	Albert Purvis.
Gest, Lock 3	Henry	449	11	.....	.....	.....	.....	.....	.....	.....	5.64	+2.54	2.00	0	12	.....	.....	.....	.....	Dr. Fidelia Edwards.
Glasgow	Barren	780	2	66.4	.....	88	12†	38	30	35	4.03	.....	1.27	0	8	16	5	9	w.	Mrs. Bettie K. H. Alcorn
Greensburg	Green	581	31	64.5	−5.1	89	11	38	10	40	5.39	+2.33	2.00	0	12	8	3	19	n.	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	550	21	.....	.....	.....	.....	.....	.....	.....	5.19	+2.22	0.97	0	13	.....	.....	.....	.....	W. J. Piggott.
Irvington	Breckenridge	646	26	66.1	−4.3	93	1	42	10	30	4.43	+1.44	1.46	0	8	14	6	10	sw.	William E. Grubbs.
Lincoln City	Boyle	985	30	64.7	−4.6	94	1	36	10	40	4.73	+1.67	1.00	0	11	13	13	4	se.	H. H. Willis.
Litchfield	Grayson	635	28	63.8	−6.0	87	20	38	10	31	3.36	−0.34	1.26	0	11	10	9	11	se.	U. S. Weather Bureau
Lexington	Fayette	980	36	63.7	−4.8	88	1	40	30	36	4.30	+0.61	0.82	0	11	.....	.....	.....	.....	Horace Canter.
Little Hickman, Lock 8	Jessamine	523	12	.....	.....	.....	.....	.....	.....	.....	4.29	+1.47	1.33	0	11	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Henry	436	12	.....	.....	.....	.....	.....	.....	.....	4.83	+2.20	2.10	0	12	11	11	8	n.	U. S. Weather Bureau.
Louisville	Jefferson	525	51	65.3	−5.2	90	1	44	10	28	3.83	+0.69	2.41	0	9	14	9	7	sw.	Wm. I. Hunt.
Ivy, Cherokee Park	Do.	534	14	65.9	−3.6	89	1	42	10	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Munfordville	Hart	570	0	.....	.....	.....	.....	.....	.....	.....	4.50	.....	0.95	0	9	.....	.....	.....	.....	S. M. Durham.
Pilcher (Dam 43)	Meade	363	1	.....	.....	.....	.....	.....	.....	.....	4.78	.....	1.30	0	9	.....	.....	.....	.....	W. D. Farnsley.
St. Rose	Hardin	777	27	65.0	−4.1	90	1	37	10	36	2.56	−0.62	0.78	0	11	20	2	8	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	490	9	.....	.....	.....	.....	.....	.....	.....	5.70	+2.58	1.75	0	9	.....	.....	.....	.....	Ernest M. Searcy.
Sharpe	Kenton	900	26	62.7	−6.8	87	1	40	10	30	2.19	−0.36	0.56	0	12	8	11	11	n.	E. B. Wilson.
Shelbyville	Shelby	825	34	64.4	−4.8	89	1	37	10	32	3.17	+0.32	0.91	0	12	12	6	12	n.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	21	64.6	−4.0	88	1	37	10	33	5.28	+2.06	2.75	0	10	16	3	11	nw.	R. D. Bourne.
Tyrone, Lock 5	Anderson	476	5	.....	.....	.....	.....	.....	.....	.....	2.41	.....	0.55	0	10	.....	.....	.....	.....	E. K. Vaughn.
Williamstown	Grant	943	20	61.2	−4.4	88	1	40	30	29	2.78	−0.23	0.59	0	11	10	9	11	nw.	Mrs. E. S. Hemlong.
Woodbury, Lock 4	Butler	533	6	.....	.....	.....	.....	.....	.....	.....	4.18	.....	1.79	0	9	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	5	63.5	.....	88	12	36	6	36	5.36	.....	1.70	0	10	10	0	20	nw.	W. B. Shaw.
Beattyville	Lee	650	19	64.8	−5.6	93	1	41	10	42	7.02	+3.42	2.35	0	10	8	7	15	e.	Mrs. Sabina E. Hall.
Berea	Madison	1050	20	63.4	−5.9	89	1	39	6†	33	6.66	+3.20	1.35	0	13	11	9	10	n.	Frank Montgomery.
Bethel, Hill, Lock 11	Madison	576	11	.....	.....	.....	.....	.....	.....	.....	5.85	+2.38	1.65	0	13	.....	.....	.....	.....	Kelly Walden.
Boonesboro	Madison	684	6	.....	.....	.....	.....	.....	.....	.....	8.10	.....	3.30	0	8	.....	.....	.....	.....	P. H. Kehoe.
Cynthiana	Harrison	690	35	.....	.....	.....	.....	.....	.....	.....	2.75	+0.25	0.65	0	12	17	2	11	s.	J. V. Oldham.
Falmouth	Pendleton	668	14	62.4	−5.3	93	1	35	6†	43	5.55	+2.55	1.10	0	8	11	10	9	w	Mrs. Edna Tinsley.
Farmers	Rowan	559	6	.....	.....	.....	.....	.....	.....	.....	6.15	.....	1.80	0	11	.....	.....	.....	.....	John A. Walters.
Ford, Lock 10	Clark	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Harlan	Harlan	1197	3	.....	.....	.....	.....	.....	.....	.....	6.72	.....	2.32	0	11	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	629	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	Breathitt	776	1	.....	.....	.....	.....	.....	.....	.....	7.72	+5.05	3.44	0	8	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	17	.....	.....	.....	.....	.....	.....	.....	4.63	+2.06	0.83	0	10	17	2	11	e.	Harry M. Robinson.
Maysville	Mason	524	26	65.6	−4.6	92	1	38	30	34	8.94	+6.06	2.40	0	14	16	10	4	.....	B. H. Perkins.
Middlesboro	Bell	1178	26	63.8	−5.1	90	1	40	6	37	7.71	+4.77	1.20	0	12	18	4	8	w.	W. B. McKee.
Mount Sterling	Montgomery	959	34	63.1	−4.5	91	1	39	10	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. W. Kinner.
Upper Tygart	Greenup	540	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Owingsville, Lock 35	Bath	443	2	.....	.....	.....	.....	.....	.....	.....	3.51	.....	0.64	0	10	.....	.....	.....	.....	Andrew M. Stanforth.
Paris	Bourbon	750	18	.....	.....	.....	.....	.....	.....	.....	8.54	+5.14	1.22	0	12	.....	.....	.....	.....	Robert Depress.
Pikeville	Pike	634	15	.....	.....	.....	.....	.....	.....	.....	6.00	.....	2.20	0	9	.....	.....	.....	.....	Walter P. Bush.
Riverton, Lock 12	Pike	573	3	.....	.....	.....	.....	.....	.....	.....	5.22	+2.38	1.31	0	13	13	1	16	.....	J. W. Crooke.
Rockcastle	Madison	926	29	66.2	−4.3	90	1	41	10	33	5.68	.....	1.30	0	11	11	6	13	se.	A. K. Williams.
Rockcastle	Pulaski	1235	1	65.2	.....	93	1	42	5†	37	3.71	−0.23	0.97	0	10	.....	.....	.....	.....	Thos. Sullivan.
Salyersville, Lock 9	Magoffin	541	8	.....	.....	.....	.....	.....	.....	.....	5.96	+3.38	2.55	0	7	.....	.....	.....	.....	Samuel Johnson.
Vanceburg, Dam 32	Lewis	525	7	.....	.....	.....	.....	.....	.....	.....	7.70	+4.16	3.23	0	12	16	12	2	.....	Lawrence R. Uhl.
Washington	Mason	511	26	65.2	−5.4	92	1†	39	10	39	6.42	.....	2.51	0	10	.....	.....	.....	.....	Shelby Angel.
Wolf Ford, Lock 13	Lee	611	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and ex		.....	.....	65.3	.....	97	1	35	6†	45	4.49	.....	3.44	0	10	14	7	9	n.	

All temperatures and precipitation are based on records for the years indicated. Records for some stations have been kept for more than one period, but only for such periods as have been complete and continuous. Stations with records for one or more years of record, but all complete records are for shorter periods.

[a] Observations at this station are taken at 7 a. m., 2 p. m. and 9 p. m. only; mean temperature is computed from these observations. Greenville and Wood may use Locks on the Green River; other Locks are on the Kentucky River.

* Precipitation on dates indicated, but amount not known. Hopkinsville, Greenville and Wood may use Locks on the Green River; other Locks are on the Kentucky River.

† Precipitation on dates indicated is included in next succeeding record. For example, it represents two days, etc.

‡ Data received too late to be included in summaries and averages.

§ Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

Locks: Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 on Kentucky River; Locks 1, 2, 3, 4, 5, 6, 7 on Green River; Locks 1, 2, 3, 4 on Barren River; Locks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 on Cumberland River; Locks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 on Ohio River.

Dams: Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40,

Daily Precipitation for September, 1924

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	.25	.18											.10						.40	.25		.25										
Blandville	.44	.12						T				.18	T				.65		.64	.54		.47	T					.21				
Cadiz	1.75	.65						T.				T.	.70					T	.04	.97	T	.20			T							
Earlington	.03	.28											.77				T.		T.	.12		.25										
Greenville	.40	.16											.17						T.	T.		.20										
Hopkinsville		.55																	T.	T.		.20						T				
Madisonville		.46						T.				.30	.20	.01						.03	.44	.08	.71						.44				
Mayfield	.21	.10						.10				T.	.35				.42	.20	.20	T								.16		T.	.35	.1	
Owensboro	.38	.05						T.	T.				.34						.08	.80	T.	.20										
Paducah (near)	.35	.45											.10			.10		.45	.20			.15								.47	.02	
Paducah		.27											.14						.06	.10	.02	1.51										
Princeton	T	.22						T.				.10	.10				T.	.03	.10	.25	.10											
Ramsey, Lock No. 2	.15	1.57											.75						.41	.28												
Russellville		1.88																		1.02												
													.44	.28					.39	.36		.35										
Central Division																																
Anchorage	.03	.04						.18				T.	.01				.14	.02	.16	2.80			T.				T.	.54				
Bardstown		.10							.25				.27	.11				.10	.17	.70	1.59	.34						1.46		.15		
Bowling Green	1.70	.18							.84			.35	.26	T.					.10	.25	.03	.22						.84		.6		
Bowling Green, No. 21	1.80	.07							.30				.40	.23					.10	.25	.03	.22										
Brownsville, Lock No. 6	.15	.60	.03				.03	.26				.38	.24						.15	.17		.62						.40	.18			
Burnside		.80	.25					.03				.38	.24						.19	1.08		.80						.38	.06	.6		
Carrollton (Lock No. 1)	.15	.51							.03				.28	.36					.06	.10	.02	1.51						.48	.10	.7		
Cloverport	T.	.11					.01	T.		.01		.25					.11		.15	1.55	.83	.50						.10	.05	.11		
Dix Dam, Burgin	.15	.08		T.	.02		.20	T.				1.19	.02	T.			.53	T.	.02	.69	.04	.58	.02					.34	.52	.11		
Eubank		.10	.55						.10				.20	.52					.06		.02	.56						.62	.32	.51		
Frankfort		T.						.09	.09	T.			.52	T.			.18		T.	.70	.45	.13						.66	.10	.36		
Hamilton	1.11																	.39		.85	.18								.03			
Gest, Lock No. 3	T.	.01				T.	.15		.03	.18							.09		.06	1.12	2.60	1.04										
Glasgow	.56						.36					1.27								.55		.15						.10	.04	.10		
Greensburg		.07	.28						.31			.85	.38						.05	1.12	.00	.12							.03	.26		
High Bridge, Lock No. 7		.27	.03					.32					.67	.12			.52		.10	.28	.97	.84						.05	.25	.05		
Irvington	.92	T.					T.					.06					T.	T.	.15	1.40	.44	.15					1.15	1.08	T.			
Junction City		.16							.25		T.		1.00				.22	.01		.60	.28	.90					T.	.35	.88	.08		
Leitchfield		.03							.15				.13						.18	1.26		.40						.03				
Lexington	.03	.05						.09			T.	.11	.71				.01		T.	.41	.07	.08					T.	.40	.52			
Lock Brickman, Lock No. 8		.12							.28				.82	.15			.74		.05		.30	.55						.20	.48	.6		
Lockport, Lock No. 2	.66						T.	.15	T.		.21							.03	.10	.82	1.23	.48					.70	.06	.26		
Louisville	.26	.01						.09		T	.05	.62					.05	1.71	.73	.13	.01						.12	.60	T.			
Do (Cherokee Park)	.05	.11						.05		T.		.08							.00	2.41	.05	.17						.42				
Munfordville	.25					.25			.25			.76		.46					.56	.95	.35							.86				
Pilcher Dam 43	.45	.02						T.				.10							.39	1.30	1.24	.23					1.05	.12			
St. John	.22	T.																														
Salvisa, Lock No 6	.71	T.					.05	.16				.05	.08				.27	.78	.15	.35								.45	.02			
Scott	.02	.25										.15				1.20	.45	.51	.51	1.75								.20	.25	.05		
Shelbyville	.68	.04				T.	.09			.01		.13				.13	.21	.66	.02	.12								.45	.18			
Taylorsville	.48						T.	.11	T.			.16				.19	.60	.91	.66	.20								.47	.01	.22		
Tyrone, Lock No. 5	.10						.12		T.			.20				.16	.12	.73	.17	.20							T.	.76	.19			
Windmistown		.15					.09			.31		.02					.02	.04	.40	.50								.85	.45			
Woodbury, Lock No. 4	1.79						.11					.30					.05	.01	.59	.14	.16							.26	.10	.23		
								.10				.14	.12					.08	.95	.02	.50							.18		T.		
Eastern Division																																
Ashland	.45	.33						T.				.40	.42					.15	.55	.85							.02	.10	1.76		
Beattyville		.54																														
Berea	.09	.64		T.			.07	.18				.40	.48					.01	.02	.98	.35	T.					.44	.87	1.92		
Cadiz, Hill, Lock No. 11	.75	.10		T.								.86					.14	.01	.01	.47	1.35	.00					.51	1.06	.22		
Cynthiana	.04						T.	.10			T	.40	.16				.16	.05	.08	.25	1.05						.75	.40	.82		
Falmouth	.03					T.	.41		T.	T.								T.	.31	3.52	.82						.45	.40	.78		
Farmers	.33				T.	.11	.02					.31					.12	.03	.20	.31	.15						.65	.28	.35		
Flood, Lock No. 10	.38				T.			.32					.80					.10	.80	.40	.00							1.03	1.10		
Harlan												.80	.18				.11		.05	T.	.90	1.80					.58	.45	.71		
Heidelberg, Lock No. 14	.11	.43						.26				.27	.44			T.	T.		.07	.40	2.32	T.					.44	.70	1.25		
Jackson																																
Lorisa																																
Maysville	.66						.10						.48						.28	.24	3.44						1.32	1.20			
Middleboro	.45							.18		T.		.28					.62	T.	.18	.75	.12						.45	.80	.80		
Mount Sterling	.86						1.10	.22				1.21	.06				1.10	.07		.53		2.40				.10	.02	.21	1.02	.07		
Olive, Dam 20	.54							.48				.91	.20				.01		.05	.62	1.20	1.20					1.05	.10	.92		
Oneonta Dam 35																																
	.52											.37					.12	.05	T.	.41	.62	.68					.34	.64	.39		
Pikeville																																
Rockcastle, Lock No. 12	1.18	.54							.75				.15				.90		.16	.84	1.22	.16					.28	.84	1.12		
Richmond	.20				T.		.90				.43	.33						T.	.12	T.	2.20						.20	.68	.84		
Sargent	.45	.02			.02			.21				.50	.30				.12		.14	.08	T.	1.10					.48	.52	1.34		
Vance View, Lock No. 6	.16		T.			.42	.21					.70					.10	.20		.36	T.	.55						.50	.75			
Vanceburg, Dam No. 32	.15							.20				.38					.15		.15	.25	.40	.56					.40	.87			
William Stacy							.34					.89							.19		.35	2.55	.55					1.00				
Widow, Lock No. 13	.50	.08	.61					.70				.52							.13	.09	.25	.20					T.	.32	.40	.86		
		.54						.18				.37	.34				.18		.08	.06	2.51							1.08		1.16		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

§ Separate dates of falls not recorded. T Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland

T Tennessee, (O) Ohio; (M) Mississippi. ¶Lone Oak.

Daily Temperatures for September, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	96	82	78	84	79	76	89	88	77	75	90	91	78	82	84	84	81	74	86	90	93	76	78	83	83	86	80	69	67	60	..	81.3
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blandville	Maximum	83	74	72	76	73	72	83	83	70	69	85	78	71	78	78	77	75	66	81	86	87	74	73	73	74	73	76	70	66	57	..	74.9
	Minimum	66	59	51	52	59	48	55	64	53	43	58	63	53	53	52	52	55	57	63	71	72	47	50	50	58	58	63	51	43	36	..	55.0
Calhoun	Maximum	89	76	72	76	76	70	80	80	72	66	83	83	72	74	70	77	77	75	80	87	89	83	73	78	79	79	80	70	63	58	..	76.2
	Minimum	68	60	52	50	58	46	51	63	55	40	56	62	60	49	52	50	57	55	63	70	75	52	46	49	56	60	64	63	49	40	..	55.7
Earlington	Maximum	97	76	78	83	77	76	87	89	75	73	88	85	69	81	81	87	81	73	85	89	92	74	78	84	82	82	82	76	66	60	..	80.2
	Minimum	68	60	51	48	57	43	48	70	55	43	46	66	62	50	49	49	55	55	63	72	71	52	44	43	58	59	62	55	48	40	b79.9	54.7
Greenville	Maximum	93	77	75	80	..	..	86	85	73	72	88	88	77	79	81	80	78	74	85	89	91	86	76	83	83	85	81	72	65	60	b52.8	82.0
	Minimum	65	58	50	46	..	44	..	66	52	39	47	66	58	47	49	46	52	53	61	70	75	51	42	40	54	58	63	47	37	38	..	54.9
Hopkinsville	Maximum	95	79	83	84	80	81	90	88	77	78	90	81	73	85	86	86	83	73	86	91	92	84	80	85	86	83	77	71	66	62	..	82.0
	Minimum	69	65	51	50	54	45	49	64	54	43	50	61	63	50	51	50	56	56	62	69	72	52	45	46	56	58	65	54	48	39	..	54.9
Marion	Maximum	91	81	74	80	73	70	85	87	87	71	85	84	76	80	78	81	79	77	87	86	90	88	75	76	77	80	76	75	64	60	..	79.1
	Minimum	70	58	50	53	60	47	54	67	58	42	50	68	59	54	52	57	55	57	61	72	74	50	51	48	61	60	66	53	46	39	..	56.3
Mayfield	Maximum	88	75	77	81	77	76	89	87	75	75	87	85	85	82	82	80	83	69	83	88	90	86	76	79	78	75	77	75	63	63	..	79.5
	Minimum	69	54	55	50	58	45	55	70	41	43	51	60	65	51	52	50	51	59	64	75	75	53	47	48	58	57	66	54	37	38	..	55.0
Owensboro	Maximum	89	76	76	78	73	78	84	85	69	66	84	85	73	78	79	78	77	69	84	86	89	71	70	75	78	82	78	76	63	67	..	77.2
	Minimum	66	58	51	47	56	49	53	63	55	43	54	63	58	49	53	53	56	56	62	69	67	50	46	51	56	60	63	54	48	39	..	54.9
Paducah (near)	Maximum	91	82	81	83	82	80	82	79	74	80	81	78	75	72	73	74	75	79	87	92	86	74	74	74	75	78	75	72	64	57	..	77.8
	Minimum	69	60	51	49	47	45	55	67	55	43	52	66	66	50	50	50	56	58	63	70	75	51	47	47	59	55	66	54	45	38	..	55.3
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Princeton	Maximum	91	79	76	81	75	74	86	87	72	72	86	82	69	80	80	81	79	71	84	89	92	85	76	79	80	81	76	72	62	58	..	78.5
	Minimum	69	59	52	51	56	48	51	65	55	43	51	60	60	52	54	57	58	63	72	74	52	47	49	57	58	65	54	47	39	..	d77.8	55.7
Russellville§§	Maximum	95	72	75	..	..	..	..	88	72	72	88	90	70	79	79	82	79	70	84	90	93	71	74	82	80	83	79	62	64	58	..	d54.1
	Minimum	67	65	52	48	..	45	..	..	..	41	48	61	64	52	50	49	52	56	58	66	73	56	44	45	53	56	59	55	51	40	..	54.1
Central Division.																																	
Anchorage	Maximum	92	72	78	81	74	81	84	83	71	64	84	89	71	80	80	81	75	71	83	78	87	78	75	78	81	83	81	67	65	54	..	77.4
	Minimum	68	56	45	44	49	36	48	55	51	35	51	56	58	47	49	51	48	53	61	66	67	54	44	48	56	57	58	56	48	38	..	51.7
Bardstown	Maximum	94	76	78	84	79	75	86	81	70	71	87	90	68	79	80	83	77	69	81	86	88	77	75	80	82	87	78	66	58	55	..	78.1
	Minimum	67	55	50	45	52	40	52	67	53	37	48	59	63	48	48	50	56	53	62	68	67	55	43	48	56	58	58	58	49	41	..	53.5
Bowling Green	Maximum	93	72	80	84	79	84	91	87	72	73	88	92	78	82	83	85	82	76	86	90	93	81	78	84	82	87	78	66	65	59	..	81.0
	Minimum	68	65	60	60	55	47	52	56	55	42	48	60	62	52	51	51	55	56	61	69	71	55	46	46	54	56	58	56	49	40	..	54.5
Dix Dam	Maximum	92	89	74	81	77	74	83	79	73	68	86	89	85	78	78	81	76	71	82	80	86	72	72	79	79	81	78	75	59	51	..	77.6
	Minimum	67	62	51	48	57	42	50	64	56	41	51	55	62	53	49	53	58	54	61	67	66	56	45	46	54	57	58	58	48	41	..	54.3
Eubank	Maximum	95	76	73	81	74	75	83	79	70	69	84	89	79	75	75	83	75	69	83	84	86	71	69	79	75	78	75	69	59	53	..	76.2
	Minimum	65	61	52	44	49	42	48	61	55	42	46	59	64	52	54	54	52	60	60	66	66	56	44	49	51	59	55	58	52	45	..	54.0
Frankfort	Maximum	91	84	74	79	78	70	81	80	78	65	82	87	85	76	76	78	77	71	81	81	83	76	72	76	78	80	79	77	61	53	..	77.0
	Minimum	70	61	56	48	61	43	53	58	56	40	54	56	63	50	53	56	54	54	61	67	67	56	46	49	54	58	60	58	49	44	..	54.9
Franklin	Maximum	95	67	70	78	77	76	84	84	79	72	83	85	84	80	76	78	79	78	81	84	86	75	69	74	76	78	77	74	61	61	..	77.3
	Minimum	70	62	52	50	68	47	52	67	56	40	50	66	63	56	52	54	55	57	65	69	60	46	47	55	57	59	55	56	40	..	..	56.0
Glasgow	Maximum	85	84	82	80	82	83	81	79	75	72	85	88	81	80	83	80	83	71	83	85	88	75	75	81	78	83	75	70	58	58	..	78.7
	Minimum	50	53	50	47	50	52	57	63	56	40	52	64	54	59	53	54	55	56	66	69	65	55	45	47	60	59	57	57	50	38	..	54.1
Greensburg	Minimum	87	76	72	77	75	70	82	78	71	66	89	88	78	76	77	79	78	70	83	84	86	82	71	76	76	80	77	66	58	53	..	76.0
	Maximum	66	61	50	46	49	40	46	62	56	38	49	56	61	55	48	49	53	51	62	68	70	58	42	43	54	55	57	57	49	40	..	53.0
Irvington	Minimum	90	73	73	77	72	70	82	80	70	66	83	86	73	78	82	79	77	72	82	83	86	81	75	75	77	81	80	67	64	60	..	76.4
	Maximum	70	60	51	50	59	46	52	66	54	42	54	63	61	50	52	52	56	54	63	69	73	56	47	47	55	58	63	56	50	44	..	55.8
Junction City	Minimum	94	85	75	69	70	76	82	77	72	69	87	89	81	80	76	82	79	68	83	85	89	73	75	80	81	79	75	70	62	54	..	77.2
	Maximum	68	60	47	42	45	39	47	60	52	36	47	58	60	53	50	49	55	52	63	63	67	48	46	47	53	55	58	60	50	41	..	52.2
Leitchfield	Minimum	79	74	71	75	75	60	82	82	70	65	66	80	80	65	71	72	73	73	74	87	83	78	73	80	81	82	83	60	60	56	..	73.6
	Minimum	65	60	50	46	55	41	48	63	54	38	50	57	62	49	50	50	55	53	61	66	73	64	45	48	52	56	61	55	50	41	..	53.9
Lexington	Maximum	88	71	71	78	68	70	79	73	64	63	81	85	65	74	73	75	71	68	81	86	88	71	69	68	78	79	79	78	66	58	..	72.4
	Minimum	71	55	51	57	54	47	55	59	48	43	53	61	58	56	54	54	58	53	61	66	66	53	55	48	60	59	60	52	43	40	..	55.0
Louisville	Maximum	90	72	73	80	69	69	82	80	65	65	83	85	68	75	76	77	72	70	80	80	84	70	73	75	77	82	79	65	70	52	..	74.3
	Minimum	70	58	52	56	56	51	57	60	49	44	55	65	60	54	55	54	58	54	60	68	69	55	51	50	58	62	63	54	48	44	..	56.3
Do. (Cherokee Park)	Maximum	89	86	72	78	77	69	80	79	78	64	80	85	80	74	76	77	75	72	79	79	83	80	71	73	77	79	79	77	72	59	..	76.6
	Minimum	68	59	50	50	60	46	53	61	56	42	53	61	61	50	51	51	57	55	61	68	71	54	47	49	54	57	62	55	50	45	..	55.2
St. John	Maximum	90	70	75	81	74	78	82	80	74	72	83	86	76	79	83	83	77	71	83	87	89	75	77	79	77	83	78	67	63	57	..	77.4
	Minimum	66	59	48	47	52	42	46	64	51	37	51	59	69	49	49	48	54	56	59	61	62	53	44	46	48	54	59	54	49	39	..	52.5
Scott	Maximum	87	74	72	76	70	68	75	76	72	63	69	83	72	73	76	75	71	70	75	74	84	72	72	73	79	80	78	72	54	50	..	72.8
	Minimum	68	58	52	49	49	42	51	60	53	40	49	59	68	46	48	57	56	50	56	65	62	51	44	46	52	56	60	54	42	42	..	52.6
Shelbyville	Maximum	89	74	76	79	73	72	82	79	69	66	83	87	74	78	77	79	72	69	80	82	85	74	72	76	79	82	81	69	60	54	..	75.7
	Minimum	70	56	47	48	51	40	52	61	52	37	52	60	58	48	48	50	50	50	60	68	68	52	45	47	53	58	59	55	48	40	..	53.0
Taylorsville	Maximum	88	75	73	78	70	70	78	78	70	65	80	85	77	76	76	77	72	69	81	78	81	78	71	74	74	78	79	77	66	60	55	74.5
	Minimum	66	61	50	46	54	40	50	56	53	37	51	52	62	60	46	49	56	52	60	68	67	56	44	47	52	60	58	58	50	43	..	53.5
Williamstown	Maximum	88	79	75	77	69	69	77	77	74	64	76	86	84	74	75	76	71	71	76	74	76	72	71	74	79	79	78	77	69	49	..	74.4
	Minimum	69	58	51	52	61	42	52	60	54	42	51	61	61	52	50	52	57	51	59	65	66	52	43	45	52	57	58	47	49	40	..	54.0
Eastern Division.																																	
Ashland	Maximum	81	74	78	76	74	69	75	80	77	65	73	88	84	73	73	75	77	68	81	74	75	72	71	74	85	76	72	70	61	..	..	75.0
	Minimum	69	64	50	49	48	36	40	45	56	45	46	52	55	54	49	51	55	58	59	65	60	55	45	45	50	50	59	55	50	45	..	52.0
Beattyville	Maximum	93	77	75	81	74	75	80	80	70	69	81	89	73	78	78	84	76	76	83	85	86	76	76	80	79	78	78	76	65	52	..	76.8
	Minimum	65	62	52	48	53	42	46	54	58	41	46	47	61	56	56	47	55	55	54	62	62	58	44	43	51	55	54	60	51	44	..	52.7
Berea	Maximum	89	73	70	74	71	68	78	72	67	62	81	86	76	74	75	77	70	65	81	87	86	70	69	77	77	78	76	70	58	50	..	73.2
	Minimum	66	61	51	45	56	39	48	66	55	39	48	66	61	52	47	49	54	48	59	66	67	42	46	56	60	58	58	47	43	..	..	53.6
Farmers	Maximum	93	77	78	78	72	73	79	74	76	67	80	88	81	76	76	78	74	68	84	73	74	72	71	78	81	78	81	71	64	52	..	75.3
	Minimum	64	60	46	43	52	35	43	51	55	35	43	45	58	52	43	46	51	48	54	64	63	56	39	39	46	53	54	59	47	42	..	49.5
Jackson	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	Maximum	92	74	74	79	72	72	75	75	70	66	78	89	76	77	78	78	71	69	83	78	77	70	72	75	82	78	82	71	59	55	..	74.7
	Minimum	70	65	51	54	61	44	57	57	57	42	51	55	62	55	51	53	58	51	59	68	67	57	47	47	57	55	61	59	46	38	..	55.2
Harlan	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Middlesboro	Maximum	90	83	84	77	72	70	79	84	68	70	82	80	76	74	78	79	68	68	81	76	85	79	70	76	69	73	73	70	70	54	..	75.3
	Minimum	62	61	52	49	50	40	42	52	53	48	45	45	56	54	50	53	55	54	57	61	65	60	43	49	52	58	56	55	50	43	..	52.4
Mount Sterling	Maximum	91	68	73	79	71	70	76	74	67	65	81	87	74	75	75	77	72	66	83	77	81	69	69	77	75	78	79	65	62	54	..	73.7
	Minimum	67	57	49	45	50	40	47	60	56	39	47	52	64	53	49	50	57	51	53	61	66	56	42	47	52	57	58	58	50	43	..	52.5
Richmond	Maximum	92	80	76	79	74	72	81	77	69	69	84	88	80	78	81	81	74	67	83	84	84	75	75	80	82	83	79	69	61	52	..	76.9
	Minimum	68	62	51	51	58	44	52	65	55	41	52	63	61	54	56	53	59	53	61	67	68	57	47	47	57	59	60	61	48	43	..	55.6
Sargent	Maximum	93	80	73	78	78	79	79	85	67	64	80	85	76	77	77	81	74	71	81	84	83	81	71	78	78	72	74	73	72	71	..	77.2
	Minimum	64	62	56	49	42	43	42	50	56	45	47	67	56	53	50	52	55	54	52	58	59	60	45	44	51	59	60	59	58	44	..	53.1
Williamsburg	Maximum	92	76	76	81	80	75	84	86	73	70	80	86	76	79	82	84	77	70	85	79	92	80	73	83	76	71	75	73	66	54	..	77.8
	Minimum	63	62	52	49	49	40	45	53	57	39	46	49	53	55	56	52	51	51	60	65	69	58	45	45	56	58	63	60	50	43	..	52.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

a, b, c, d refer to remarks respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 10-24-24.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

DEC 3 1924

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., OCTOBER, 1924. No. 10

GENERAL SUMMARY.

Except for a few cool days at the beginning and from the 21st to 24th, unseasonably warm weather prevailed continuously. The month was almost rainless and terminated with severe drought existing over most of the State. The shortage of water for stock and domestic purposes became serious in the southern and western counties, where precipitation had also been deficient in August and September preceding. Killing frost did not occur generally over the State until the 23d; but heavy to killing frost on the 1st in the south-central and southeastern counties practically ruined late corn and tobacco. Probably half of the late portion of these crops was still out at this time, the corn being in the silk or roasting ear. This frost was light and not seriously damaging in other districts. After the 1st, weather conditions were ideal for maturing late crops that had not been badly frosted. The late potato districts, located mainly in the northern counties, escaped the frost; but the crop was somewhat stunted by the cold and later on suffered from lack of moisture. The vines died prematurely shortly after the middle of the month, without yielding a full crop. Much corn, cut and shocked very sappy, and considerabe tobacco, prematurely cut and housed, would have spoiled during normal weather; but the extreme dryness cured out these hastily harvested crops and prevented extensive loss. The later cuttings of tobacco contained a large percentage of frost-stained leaves, which lowered its quality to a marked degree. Much frostbitten or immature corn was used quickly in filling silos or for immediate feeding. Grass pastures were practically dead by the last week, making such feeding necessary. A large amount of corn, although safely dry, was too chaffy to be marketable. Wheat sowing commenced during the first week, with a fair amount of moisture in the soil, but when the work was finished in the third week the soil was so dry that most of the grain failed to germinate. The dry weather favored the maturing of cotton. In general the experimental plantings of this crop in Christian, Simpson, and other southwestern counties, amounting to several thousand acres, made satisfactory yields.

TEMPERATURE.

The average temperature, based on reports from 41 stations, was 61.1°, which is 3.0° above normal. Except for two short periods of unseasonably cool weather, 1st-2d and 21st-24th, when minima fell below freezing at several stations, temperatures continuously above normal prevailed, with summer-like maxima on most days. The highest for the State was 91° at Beaver Dam on the 5th and Hopkinsville on the 8th and 10th, while the lowest was 24° at Beaver Dam and Greenville on the 23d.

PRECIPITATION.

The average precipitation, 71 stations reporting, was 0.27 inch, which is 2.33 inches below normal. This is the lowest average precipitation for October since State records were established in 1889. With the exception of September, 1897, when the average amount was 0.21 inch, it was the lowest for any month of record. Scattered showers occurred on the 4th, 6th, and 31st in the central and western counties, and on the 27th in the eastern districts. At a few stations, mainly in the western part of the State, good rains occurred on the 6th; but in general showers were too light to be of consequence. Four stations, Bowling Green (No. 2), Eubank, Little Hickman, and Oliver reported no rain during the month, while four stations in the basin of the lower Green or vicinity received 1.0 inch or more, the greatest amount for the State being 1.39 inches at Calhoun. In most of the State, amounts ranged between 0.1 and 0.5 inch.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.17	30.58	24	29.92	3	4596	6.2	28	s.	30
Cincinnati ..... Ohio	30.23	30.62	24	29.59	20	5819	5.2	22	ne.	20
Evansville..... Ind.	30.20	30.60	24	29.98	3	6592	8.7	36	sw.	30
Lexington ..... Ky.	30.23	30.60	24	29.95	20	8153	11.0	36	sw.	31
Louisville ..... Ky.	30.22	30.63	24	29.99	29	5862	7.9	30	s.	31

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.			
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	84	46	58	325.5	348.1	93	28	1
Cincinnati ..... Ohio.	79	40	57	293.4	346.1	85	25	1
Evansville ..... Ind.	70	40	45	309.9	347.3	89	25	1
Lexington ..... Ky.	65	49	.....	234.8	347.3	68	16	5
Louisville ..... Ky.	73	45	49	287.7	347.3	83	22	0

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature.				Precipitation.		
	Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Monthly average.	Departure from 35-year normal.	No. of days with .01in. or more rain.
1889	52.0	−5.8	89	23	2.42	−0.08	..
1890	55.7	−2.1	87	23	2.94	+0.44	..
1891	54.8	−3.0	92	21	0.78	−1.72	..
1892	57.3	−0.5	97	19	0.51	−1.99	..
1893	56.4	−1.4	90	19	4.00	+1.50	..
1894	58.6	+0.8	92	25	1.36	−1.14	5
1895	52.2	−5.6	89	14	1.24	−1.26	4
1896	53.8	−2.0	90	25	1.71	−0.79	5
1897	63.2	+5.4	96	26	1.10	−1.40	4
1898	57.1	−0.7	93	21	4.19	+1.69	10
1899	61.3	+3.5	93	26	2.42	−0.08	5
1900	64.5	+6.7	94	29	2.29	−0.21	5
1901	58.1	+0.3	93	25	1.57	−0.93	4
1902	60.1	+2.3	91	25	2.34	−0.16	5
1903	57.7	−0.1	96	19	2.22	−0.28	5
1904	57.2	−0.6	93	20	0.52	−1.98	2
1905	57.0	−0.8	90	25	4.95	+2.45	9
1906	56.9	−0.9	91	20	1.51	−0.99	7
1907	55.5	−2.3	93	20	2.97	+0.47	6
1908	57.1	−0.7	92	20	0.71	−1.79	3
1909	55.2	−2.6	94	18	2.11	−0.39	6
1910	61.4	+3.6	96	17	4.45	+1.95	6
1911	59.9	+2.1	94	27	3.71	+1.21	10
1912	59.5	+1.7	92	25	1.42	−1.08	4
1913	56.9	−0.9	87	23	3.55	+1.05	9
1914	59.7	+1.9	91	22	5.10	+2.60	9
1915	60.6	+2.8	90	27	3.40	+0.90	6
1916	57.6	−0.2	97	24	2.59	+0.09	6
1917	51.1	−6.7	90	20	3.18	+0.68	7
1918	62.3	+4.5	91	32	3.81	+1.31	10
1919	65.6	+7.8	98	35	7.99	+5.49	15
1920	61.0	+3.2	93	24	1.64	−0.86	4
1921	57.1	−0.7	90	24	2.31	−0.19	6
1922	60.2	+2.3	96	25	2.28	−0.30	6
1923	56.5	−1.3	89	19	1.68	−0.82	5
1924	61.1	+3.0	91	24	0.27	−2.33	1

Climatological Data for October, 1924.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	20	62.0	+ 3.3	91	5	24	23	47	0.60	−2.20	0.45	0	2	26	5	0	e.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	42	62.8	+ 4.2	84	10†	31	31	40	0.31	−2.69	0.20	0	2	24	6	1	se.	E. W. Horr.
Calhoun	McLean	437	20	61.3	+ 1.3	84	9	29	24	37	1.39	−2.00	1.28	0	3	19	12	0	e.	W. A. Taylor.
Earlington	Hopkins	420	33	63.6	+ 4.3	88	10†	28	24	45	0.97	−1.60	0.97	0	1	29	1	1	ne.	Brick Southworth.
Greenville	Muhlenburg	519	7	61.6		88[a]	6	24[a]	23†	45[c]	0.23		0.18	0	2	22[c]	6[c]	0[c]	s.	C. R. Lovell.
Hopkinsville	Christian	524	27	64.6	+ 4.2	91	8†	29	24	45	0.33	−2.54	0.19	0	2	21	6	4	se.	W. E. Graves.
Marion	Crittenden	571	25	65.2	+ 5.8	86	19	33	23	39	0.22	−2.82	0.15	0	2	26	4	1	s.	B. C. Paris.
Mayfield	Graves	364	11	64.4	+ 4.6	89	19	29	24	41	0.30	−2.23	0.30	0	1	21	10	0	sw.	N. E. Douthit.
Owensboro	Daviess	479	27	62.4	+ 3.4	86	10	29	24	40	0.10	−3.00	0.10	0	1	27	2	2	ne.	Henry S. Berry.
Paducah	McCracken	516	6	61.6		86	20	28	24	36	0.35		0.25	0	3	29	1	1	se.	J. W. Lilley
Paducah (near)§	McCracken	341	35								0.18	−2.50	0.18	0	1					Frank L. Brown.
Paducah	McCracken	529	13	63.0	+ 3.9	87	10	31	24	40	0.18	−2.31	0.14	0	2	21	9	1	s.	Dr. W. L. Cash.
Princeton	Caldwell	344	0								1.26		1.26	0	1					Thos. L. Wetzell.
Ramsey, Lock 2	McLean	590	11	61.9	+ 2.1	87	9	27	24	45	0.56	−1.76	0.45	0	3	26	3	2	s.	Wm. Shelton.
Russellville	Logan																			
Central Division.																				
Anchorage	Jefferson	700	23	60.7	+ 3.9	85	14†	26	23†	43	0.14	−2.91	0.11	0	2	26	3	2	ne.	C. E. Barret.
Bardstown	Nelson	637	27	61.0	+ 1.5	86	15	26	23†	45	0.17	−2.23	0.17	0	1	24	5	2	ne.	Chas. M. Talbott.
Bowling Green	Warren	500	33	63.1	+ 3.9	89	9	31	24	45	0.03	−2.34	0.03	0	1	18	12	1	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0								0.00		0.00	0	0					J. Frank Thomas.
Brownsville, Lock 6§	Edmonson	410	6								0.40		0.40	0	1					Virgil M. Whalin.
Burnside	Pulaski	773	31								0.08	−2.95	0.08	0	1					F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	24								0.12	−2.53	0.11	0	2					Charlie Oliver.
Cloverport	Breckenridge	375	10								1.01	−2.05	1.00	0	2					W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	0	60.3		85	19	29	24	42	0.13		0.09	0	2	26	3	2	e.	Geo. Henry Ellis.
Eubank	Pulaski	1177	29	59.2	+ 2.3	82	6†	25	23	41	0.00	−2.72	0.00	0	0	14	8	9	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	30	59.6	+ 2.5	80	5†	29	23†	39	0.13	−2.34	0.10	0	2	24	2	5	w.	Sidney Wood.
Franklin	Simpson	691	28	62.2	+ 2.9	89	10	30	23†	40	0.03	−2.07	0.03	0	1	30	1	0	n.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	11								0.13	−3.06	0.07	0	2					Albert Purvis.
Glasgow	Barren	780	2	63.2		88	17†	30	23	40	0.27		0.25	0	2	22	6	3	w.	Dr. Fidella Edwards.
Greensburg	Green	581	31	58.6	+ 1.5	87	20	25	23†	42	0.27	−2.49	0.17	0	2	16	3	12	n.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	550	21								0.10	−2.88	0.10	0	1					Miss Lulu Wood.
Irvington	Breckenridge	646	26	62.0	+ 6.4	82	5†	32	23	34	0.36	−2.39	0.26	0	2	22	9	0	sw.	W. J. Piggott.
Junction City	Boyle	985	30	59.9	+ 2.1	85	15†	25	24	44	0.26	−2.27	0.20	0	3	19	11	1	se.	William E. Grubbs.
Leitchfield	Grayson	635	28	62.4	+ 4.3	85	9†	31	23†	41	0.02	−2.71	0.02	0	1	23	8	0	n.	H. H. Willis.
Lexington	Fayette	989	36	62.4	+ 5.0	80	15	34	23	28	0.11	−2.11	0.10	0	2	21	4	6	ne.	U. S. Weather Bureau.
Little Hickman, Lock 8§	Jessamine	523	12								0.00	−2.85	0.00	0	0					Horace Canter.
Lockport, Lock 2	Henry	436	12								0.31	−2.79	0.16	0	2					Andrew J. Keenan.
Louisville (Cherokee Park)	Jefferson Do.	525	51	62.3	+ 3.0	82	12	35	23	31	0.10	−2.53	0.10	0	1	23	6	2	n.	U. S. Weather Bureau.
		534	14	60.6	+ 2.7	81	5†	31	24	33	0.15	−3.00	0.12	0	2	24	5	2	n.	Wm. I. Hunt.
											T.		T.	0	0					S. M. Durham.
Munfordville	Hart	570	0								0.04		0.04	0	1					W. D. Farnsley.
Pilcher (Dam 43)	Meade	363	1								0.47	−2.02	0.42	0	2	28	3	0		Sisters of Loretto.
St. John	Hardin	777	27	61.3	+ 3.7	85	9†	27	23	44	0.15	−2.35	0.15	0	1					Ernest M. Searcy.
Salvisa, Lock 6§	Mercer	490	9								0.13	−2.21	0.12	0	2	21	8	2	n.	E. B. Wilson.
Scott¶	Kenton	900	26	59.8	+ 2.0	84	19	29	23	40	0.43	−1.99	0.43	0	1	23	4	4	n.	Mrs. W. T. Miller.
Shelbyville	Shelby	825	34	59.6	+ 2.9	83	19	28	23	37	0.32	−2.65	0.16	0	3	26	5	0	n.	E. D. Bourne.
Taylorsville	Spencer	489	21	58.0	+ 1.7	81	19	26	23†	40	0.36		0.15	0	3					H. K. Vaughn.
Tyrone, Lock 5§	Anderson	476	5								0.50	−2.41	0.28	0	2	18	11	2	w.	Mrs. E. S. Humlong.
Williamstown	Grant	943	20	60.4	+ 5.3	80	5†	33	23	52	0.53		0.53	0	1					J. C. Stinson.
Woodbury, Lock 4	Butler	533	6																	
Eastern Division.																				
Ashland	Boyd	534	5	58.9		83	19	29	25	40	0.26		0.10	0	2	25	0	6	ne.	W. B. Shaw.
Beattyville	Lee	650	19	59.9	+ 2.1	86	19	28	24	44	0.30	−3.05	0.30	0	1	16	8	7	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	20	59.2	+ 0.6	81	15	25	23	40	0.19	−2.89	0.13	0	2	20	9	2	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	11								0.05	−3.29	0.05	0	1					Kelly Walden.
Cynthiana	Harrison	684	6								0.03		0.03	0	1					P. H. Kehoe.
Falmouth	Pendleton	600	35								0.12	−2.32	0.10	0	2	25	2	4	se.	J. V. Oldham.
Farmers	Rowan	668	14			85	18†				0.12	−3.25	0.12	0	1	23	6	2	w.	Mrs. Edna Tinsley.
Ford, Lock 10§	Clark	559	6								T		T.	0	0					John A. Walters.
Harlan	Harlan	1197	3								0.26		0.26	0	1					S. C. Cole.
Heidelberg, Lock 14	Lee	629	5																	
Jackson	Breathitt	776	1								0.30	−2.55	0.30	0	1					Russian Copley.
Louisa	Lawrence	584	17								0.05	−2.47	0.05	0	1	24	3	4	e.	Perry E. Bennett
Maysville	Mason	524	26	58.2	+ 1.1	83	18†	28	24	40	0.83	−1.78	0.83	0	1	29	1	1		R. H. Perkins.
Middlesboro	Bell	1128	26	59.7	+ 2.5	80	7†	32	1	37	0.10	−2.87	0.10	0	1	25	1	2	w.	W. R. McKee.
Mount Sterling	Montgomery	930	34	58.5	+ 2.9	81	5†	27	24	39	0.00		0.00	0	0					M. W. Kinner.
Oliver, Dam 30	Greenup	540	4								T.		T.	0	0					Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	443	2								0.46	−2.56	0.20	0	3					Robert Repass.
Pikeville	Pike	634	18								T.		T.	0	0					Walter P. Bush.
Ravenna, Lock 12	Estill	593	3								0.20	−2.61	0.16	0	3	22	4	4		J. W. Crooke.
Richmond	Madison	926	29	63.0	+ 4.6	84	11†	30	23	38	0.70		0.60	0	2	28	0	3	ne.	A. K. Williams.
Sergent	Letcher	1235	1	59.2		83	17	28	21†	44	0.42	−3.01	0.30	0	3					Thos. Sullivan.
Valley View, Lock 9	Madison	541	8								0.13	−2.56	0.13	0	1					Samuel Johnson.
Vanceburg, Dam 32	Lewis	525	7								0.40	−2.15	0.40	0	1	28	2	1		Lawrence R. Chl.
Williamsburg	Whitley	939	26	59.4	− 0.1	85	9†	25	24	44	0.20		0.20	0	1					Shelby Angel.
Willow Lock 13	Lee	611	2																	
State averages and extremes				61.1		91	5†	24	23†	47	0.27		1.28	0	1	23	5	3	n.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Hunnewell, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oak.
* Also on other dates. †Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.
¶Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

MISCELLANEOUS.

Rivers:—Rivers of the State, including the Ohio, were at very low stages during the mouth

Daily Precipitation for October, 1924

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G					.45																										
Blandville ..... M				.20																									15		0.35
Calhoun ..... G				.01	1.28	T.	T.																						14		0.43
Earlington ..... G					.97																								18		1.15
Greenville ..... G					.05																								T		T
Hopkinsville C					.14																								17		0.31
Marion ..... O				T.	.07																								15		0.22
Mayfield ..... M	T.			T.	T.																								17		0.17
Owensboro ..... O				T.	T.																								6		0.06
Paducah (near) ¶ ..... O				.05	.05																								16		0.10
Paducah ..... O																													5		0.05
Princeton ..... G					.04	T.																							12		0.16
Rumsey, Lock No. 2 ..... G					1.26																								11		0.18
Russellville ..... G				.01	.45																								10		0.56
Central Division																																
Anchorage ..... O				.03																									11		0.11
Bardstown ..... S																													17		0.17
Bowling Green ..... B																													05		0.05
Bowling Green, No. 2 ..... G					.40																										0.40
Brownsville, Lock No. 6 ..... G																															0.00
Burnside C																															0.00
Carrollton (Lock No. 1) ..... K				.01																						.08					0.40
Cloverport ..... O				.01	1.00																										0.08
Dix Dam, Burgin ..... K		T.	T.	.04		T.																							11		0.12
Eubank C																															1.01
Frankfort ..... K				.10	.03																					T.			09		0.13
Franklin ..... G																															0.00
Gest, Lock No. 3 ..... K					.03																										0.03
Glasgow ..... G				.06	.07																										0.13
Greensburg ..... G				.02																											0.02
High Bridge, Lock No. 7 ..... K						.10																							25		0.27
Irvington ..... O				.10																									17		0.27
Junction City ..... K					.26																										0.00
Leitchfield ..... G				.02																									10		0.36
Lexington *** ..... K					.02																					.01			20		0.23
Little Bickman, Lock No. 8 ..... K				.01																									T.		0.02
Lockport, Lock No. 2 ..... K																													10		0.11
LOUISVILLE*** ..... O		.16																													0.00
Do. (Cherokee Park) ..... O				T.																									15		0.31
Munfordville ..... G				.03																									10		0.10
Pilcher (Dam 43) ..... O					.04																								12		0.15
St. John ..... S																													T.		T
Salvisa, Lock No 6 ..... K				.15	.42																								T.		0.04
Scott L				.01																									05		0.47
Shelbyville ..... S																															0.15
Taylorsville ..... S																													12		0.13
Tyrone, Lock No. 5 ..... K		.10		.16	.06																								43		0.43
Williamstown L				.15																									10		0.32
Woodbury, Lock No. 4 ..... G				.22																									11		0.56
					.53																								28		0.50
Eastern Division																															0.89
Ashland ..... O																															
Beattyville ..... K	T.																									.10	.10				0.20
Berea ..... K																										.30	T.				0.30
College Hill, Lock No. 11 ..... K																										.06			13		0.19
Cynthiana L	T		.03		T															T					.05						0.05
Falmouth L				.10	.02																										0.03
Farmers L																															0.00
Ford, Lock No. 10 ..... K																										.12	T.				0.12
Harlan ..... K																										T.					T.
Heidelberg, Lock No. 14 ..... K																															
Jackson ..... K																										.26					0.26
Louisa ..... B																															
Maysville ..... O																										.30					0.30
Middlesboro C																										T.	.05				0.05
Mount Sterling L																										.83					0.83
Oliver, Dam 30 ..... O																										T.			10		0.10
Oneonta Dam 35 ..... O				T.																											0.00
Pikeville ..... B																															T.
Ravenna, Lock No. 12 ..... K																				.06						.26	.20				0.46
Richmond ..... K	.02				T.																					T.	T.				T
Sargent ..... K																											.02		16		0.20
Valley View, Lock No. 9 ..... K				.04																						.10	.60				0.70
Vanceburg, Dam No. 32 ..... O																										.08			30		0.42
Williamsburg C																										.13					0.13
Willow, Lock No. 13 ..... K																										.40					0.40
																										20					0.20

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at that time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for October, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	73	83	81	89	91	81	81	83	86	86	83	85	84	84	83	85	86	88	88	87	74	59	62	70	76	77	72	79	76	85	76	80.4
	Minimum	29	41	45	61	59	63	58	56	55	53	43	40	41	45	45	52	44	43	45	42	42	27	24	25	29	39	34	35	50	53	43.5
Blandville	Maximum	67	76	76	71	81	82	81	83	81	84	81	80	81	81	82	81	83	82	82	55	52	43	33	32	35	40	40	45	41	49	59	76.2
	Minimum	36	43	51	56	63	59	63	63	61	55	56	56	52	54	53	55	53	52	55	52	43	33	32	35	40	45	41	49	59	31	49.5
Calhoun	Maximum	68	77	77	77	82	82	80	81	84	82	81	80	80	76	75	81	82	77	81	81	71	65	66	66	66	68	69	69	71	75	75	75.5
	Minimum	32	42	45	63	63	63	60	59	58	56	49	45	45	48	48	51	59	47	50	47	45	35	30	29	33	35	41	35	39	55	55	47.1
Earlington	Maximum	71	81	79	82	87	85	83	86	86	88	86	85	88	85	87	85	86	88	89	85	72	58	62	67	73	74	74	78	77	81	83	79.9
	Minimum	32	45	50	65	65	64	60	59	60	56	48	44	48	48	48	55	47	46	49	48	43	35	29	28	31	34	40	38	46	58	53	47.3
Greenville	Maximum	70	82	82	84	..	88	84	78	87	78	..	86	87	84	87	86	85	..	87	86	..	60	61	68	73	72	72	78	77	81	83	479.5
	Minimum	30	38	51	63	62	57	58	55	55	..	43	42	45	46	52	44	45	..	..	41	31	24	24	28	30	36	34	39	55	51	443.7
Hopkinsville	Maximum	73	84	81	84	87	89	87	91	89	91	89	90	89	90	87	87	90	90	90	86	76	58	63	70	76	72	74	79	77	82	74	82.1
	Minimum	30	46	49	61	59	62	69	60	59	56	48	46	44	48	49	51	49	48	50	47	43	34	34	30	29	35	35	41	36	43	51	47.1
Marion	Maximum	67	75	78	80	84	82	83	84	85	80	84	84	85	88	84	84	85	88	89	85	72	58	62	67	74	76	76	76	78	80	80	78.1
	Minimum	37	50	54	60	64	64	60	60	60	54	54	55	58	62	55	60	57	59	59	58	43	34	33	37	41	45	47	49	55	55	52	52.3
Mayfield	Maximum	76	79	77	76	85	87	85	87	86	85	86	85	85	88	80	86	85	89	89	84	79	58	62	67	74	76	76	76	78	80	80	80.2
	Minimum	37	45	52	62	64	63	63	63	61	59	53	46	48	49	51	50	50	50	50	48	46	35	32	29	33	35	39	39	46	61	52	48.7
Owensboro	Maximum	68	78	78	81	85	81	82	81	85	86	83	80	79	82	84	81	83	85	84	79	62	54	62	66	73	74	69	75	74	81	69	76.9
	Minimum	32	45	49	60	60	59	57	59	56	57	54	52	45	50	55	49	52	46	47	45	44	33	34	29	45	38	43	35	41	55	52	47.8
Paducah (near)	Maximum	67	68	71	75	79	81	81	79	77	82	82	81	79	74	73	75	73	76	84	86	77	55	60	63	69	68	68	67	74	77	80	74.3
	Minimum	37	46	55	64	65	60	63	63	60	56	55	53	47	48	51	53	50	48	50	50	45	33	29	28	33	35	39	40	45	61	52	48.8
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	70	79	77	79	86	83	82	84	85	87	84	83	85	88	84	83	84	85	86	83	73	57	61	66	72	73	72	75	76	80	72	78.4
	Minimum	32	40	49	63	61	64	62	62	58	57	54	46	45	49	49	55	50	47	50	47	44	34	33	31	36	37	40	37	40	54	52	47.7
Russellville§§	Maximum	71	80	80	85	86	84	82	83	87	85	82	86	84	82	81	82	84	86	84	84	61	55	68	72	73	72	73	76	75	81	64	78.3
	Minimum	32	41	49	60	59	63	60	59	57	56	48	46	44	44	50	48	46	47	46	43	32	28	27	31	36	41	36	39	46	53	45.5
Central Division.																																	
Anchorage	Maximum	68	79	78	81	84	82	79	76	82	84	82	84	84	85	82	80	85	84	85	76	62	58	62	69	73	74	72	74	75	81	64	76.9
	Minimum	33	43	43	58	61	59	56	58	56	55	47	42	47	48	46	54	46	47	45	46	36	31	26	26	32	34	44	37	37	52	43	44.5
Bardstown	Maximum	69	79	79	82	85	84	81	78	85	83	82	80	80	80	87	83	85	83	83	78	71	54	60	67	73	72	69	73	76	81	65	77.4
	Minimum	32	40	46	60	61	63	55	55	54	43	37	45	47	46	50	47	43	47	45	44	37	33	26	26	31	35	45	36	40	52	53	44.5
Bowling Green	Maximum	71	81	78	84	87	85	87	87	89	88	87	88	87	86	87	83	86	87	84	84	74	54	63	68	79	70	68	74	78	77	70	79.7
	Minimum	32	38	43	59	57	62	60	57	53	50	47	48	46	50	50	51	53	48	49	47	42	33	32	31	34	37	48	38	40	47	53	46.5
Dix Dam	Maximum	67	76	72	79	83	82	79	77	83	82	82	82	82	81	84	80	84	82	85	76	69	51	58	66	73	72	66	70	76	78	71	75.7
	Minimum	34	41	42	57	54	60	54	54	50	52	42	40	46	48	47	52	48	45	45	45	38	36	30	29	33	54	50	36	36	41	52	44.9
Eubank	Maximum	65	75	75	77	81	82	78	78	82	79	80	81	80	79	82	80	82	81	81	81	67	52	56	65	70	67	60	74	72	76	69	74.4
	Minimum	28	36	39	46	55	58	55	56	53	51	56	40	44	48	45	47	48	45	45	44	37	30	25	37	35	39	49	34	34	45	56	43.9
Frankfort	Maximum	68	78	75	78	80	79	78	75	78	80	80	80	80	80	77	80	80	80	73	68	53	57	65	70	71	65	70	67	66	73	77	73.9
	Minimum	36	40	43	57	57	64	54	56	51	53	42	41	47	49	48	52	47	45	48	46	40	39	29	29	33	35	51	37	36	43	53	45.2
Franklin	Maximum	55	70	75	78	81	85	85	80	85	89	84	80	80	80	80	76	79	78	80	79	80	74	70	67	69	68	70	66	70	75	78	76.4
	Minimum	33	55	45	64	61	60	60	60	60	46	47	46	47	50	51	50	54	51	51	50	50	43	30	30	31	30	37	44	40	50	57	47.9
Glasgow	Maximum	67	77	76	79	83	84	83	84	83	86	83	85	84	84	86	84	88	88	86	85	69	65	61	69	70	72	70	74	72	78	78	78.5
	Minimum	32	46	45	62	60	59	58	58	60	55	49	45	45	47	50	53	50	50	50	49	40	35	30	32	42	43	50	38	49	53	53	48.0
Greensburg	Maximum	64	78	75	79	81	77	77	79	81	81	80	73	80	80	81	79	80	82	82	87	70	53	57	65	71	68	66	70	73	78	70	74.6
	Minimum	30	36	33	55	53	60	57	58	52	53	41	39	42	46	46	49	47	44	44	49	40	31	25	25	29	32	48	34	34	43	47	42.5
Irvington	Maximum	65	74	74	79	82	77	76	77	81	82	79	80	79	80	79	79	80	81	81	77	71	54	57	54	69	70	68	71	73	79	71	74.2
	Minimum	36	46	54	63	63	63	57	56	54	58	52	46	51	52	53	55	53	50	53	50	41	34	32	33	39	42	54	41	46	57	56	49.7
Junction City	Maximum	66	76	78	73	81	82	78	79	83	80	82	83	83	83	85	84	85	84	82	67	64	60	69	74	70	69	74	74	78	72	77.0
	Minimum	35	40	46	43	55	62	56	55	50	46	45	41	46	48	49	47	48	45	47	47	33	34	28	25	30	25	47	38	33	45	42.8
Leitchfield	Maximum	65	78	79	82	84	78	76	80	85	83	82	85	83	84	83	81	84	85	84	81	68	53	58	63	71	71	71	71	73	79	72	76.5
	Minimum	33	43	45	62	60	61	58	58	54	57	48	44	48	52	51	54	51	49	51	49	41	33	31	31	36	41	49	49	46	56	53	48.2
Lexington	Maximum	63	75	76	76	78	78	78	78	80	85	83	82	85	83	84	83	85	83	81	84	85	84	81	78	59	71	77	72	71	74	75	76.8
	Minimum	38	48	56	59	60	65	62	54	49	57	56	57	60	60	63	58	64	60	62	44	37	30	34	43	47	48	51	46	52	67	72	74.0
Louisville	Maximum	65	75	75	79	82	78	76	73	79	81	81	82	81	80	80	78	81	82	82	72	57	54	58	65	70	72	67	72	73	78	66	74.0
	Minimum	40	46	51	63	64	61	57	58	53	58	54	51	55	55	56	52	57	57	60	39	38	35	38	42	44	52	46	46	54	48	50.6
Do. (Cherokee Park)	Maximum	61	73	74	78	81	80	75	74	77	80	78	79	78	77	77	77	78	79	81	78	70	54	56	63	69	70	72	78	75	73.7
	Minimum	37	43	47	61	63	61	55	55	50	55	49	46	50	50	51	53	49	48	51	49	39	35	33	31	37	41	47	40	39	52	53	47.4
St. John	Maximum	66	75	79	83	78	78	78	78	85	82	83	84	82	83	85	83	84	85	84	81	68	59	71	77	72	71	74	75	79	78	77.8
	Minimum	36	38	41	58	60	60	54	57	50	54	54	40	46	48	47	47	48	44	46	44	38	39	27	26	36	40	44	42	50	43	44.8
Scott	Maximum	63	74	75	75	81	79	77	69	76	79	79	81	80	83	79	79	83	80	81	75	61	53	57	65	74	75	68	71	71	77	70	74.0
	Minimum	35	42	47	48	60	58	50	57	44	50	44	46	52	49	49	52	48	44	55	53	36	39	29	30	34	36	50	40	32	49	52	45.5
Shelbyville	Maximum	65	75	75	77	82	80	80	73	81	81	80	81	81	82	81	78	82	82	83	73	60	54	47	52	56	73	68	71	74	79	65	73.8
	Minimum	33	43	47	59	59	61	54	56	48	54	45	44	50	50	50	52	49	46	49	48	35	32	28	30	36	39	50	38	41	50	48	45.9
Taylorsville	Maximum	63	72	72	79	78	76	73	79	80	78	78	78	78	80	79	78	80	80	81	74	69	52	57	64	70	71	67	74	76	77	71	74.3
	Minimum	32	42	39	57	60	65	54	54	51	52	40	38	38	46	45	50	45	42	45	44	39	35	26	31	34	36	68	72	77	67	69	72.6
Williamstown	Maximum	62	72	74	74	80	76	78	73	76	77	79	79	78	79	78	77	77	78	78	80	71	67	50	57	64	69	71	66	68	72	77	73.8
	Minimum	35	41	48	58	62	60	55	56	46	51	47	50	54	56	54	57	52	49	53	51	36	37	33	34	76	44	51	43	45	47	51	48.2
Eastern Division.																																	
Ashland	Maximum	65	75	79	80	80	82	78	74	76	80	78	80	78	81	81	82	81	81	83	80	66	52	57	65	69	69	66	68	72	74	73	74.4
	Minimum	36	41	44	56	53	44	53	42	45	45	41	42	50	48	48	46	45	47	46	44	36	40	30	30	30	29	37	51	50	40	39	43.4
Beattyville	Maximum	66	76	82	83	85	85	82	77	84	81	81	83	83	82	85	81	85	85	86	80	70	52	61	68	75	72	61	74	76	76	73	77.1
	Minimum	35	38	42	46	49	53	60	55	47	49	41	39	46	47	48	48	47	42	49	45	37	32	30	28	31	35	50	47	37	37	37	42.7
Berea	Maximum	63	74	77	77	79	79	77	77	79	79	77	79	79	78	83	80	84	84	87	79	70	60	67	55	64	70	70	70	74	77	70	73.2
	Minimum	37	41	44	57	61	62	55	54	50	50	41	39	45	48	50	53	48	48	48	50	36	31	25	27	32	36	49	38	41	52	52	45.1
Farmers	Maximum	66	78	80	77	83	82	82	75	82	78	79	81	82	83	82	80	84	85	85	75	63	53	64	71	76	75	63	72	76	76	72	76.1
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Jackson	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Maysville	Maximum	65	76	74	78	78	77	79	81	81	77	77	79	80	80	82	81	80	83	80	83	72	55	61	58	67	71	70	72	70	74	75	74.2
	Minimum	38	38	45	48	49	58	51	52	43	46	41	42	44	46	46	49	45	44	44	45	32	34	29	28	32	35	49	46	35	36	40	42.2
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Middlesboro	Maximum	61	70	75	78	79	78	80	80	79	77	77	80	78	78	78	67	79	79	79	73	71	65	60	66	69	65	62	66	69	70	72	72.9
	Minimum	32	38	46	56	53	44	53	58	57	53	54	44	43	43	49	45	48	56	56	56	56	49	36	34	36	36	36	42	54	49	47	46.5
Mount Sterling	Maximum	63	65	74	74	81	78	77	79	79	77	79	76	77	78	79	80	81	79	80	81	56	56	57	60	56	38	29	27	31	38	44	72.5
	Minimum	33	42	41	54	60	58	54	50	47	50	40	44	45	40	46	51	47	56	57	60	36	34	29	27	31	38	44	42	39	38	44	44.5
Richmond	Maximum	66	78	80	79	82	83	79	80	81	82	84	83	78	83	83	79	84	84	84	79	70	53	61	69	73	78	64	71	76	78	72	76.6
	Minimum	36	43	50	56	58	60	58	55	50	55	46	46	57	63	65	63	60	60	60	59	35	35	30	32	36	42	47	40	41	45	50	49.5
Sergent	Maximum	66	70	82	81	82	80	81	82	80	78	80	80	82	82	81	82	84	84	84	83	64	55	59	69	73	64	58	69	76	76	76	75.5
	Minimum	33	50	38	48	50	52	57	50	51	53	52	51	42	48	44	48	47	44	48	40	28	40	28	28	29	39	53	64	58	69	73	76.4
Williamsburg	Maximum	62	79	79	80	84	83	84	83	85	81	83	84	82	81	85	82	84	84	84	83	64	65	69	73	64	58	69	73	64	58	69	76.0
	Minimum	34	38	40	50	51	50	58	53	56	45	43	44	49	45	43	46	46	40	43	41	28	28	25	29	31	29	44	35	38	36	42.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* 5, 6 etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville, 11-28-24.

JAN 14 1925

UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., NOVEMBER, 1924. No. 11

GENERAL SUMMARY.

Drought accompanied by unseasonably high temperature persisted through the first two weeks. The water shortage, which daily became more acute, caused farmers much additional labor in hauling meager supplies long distances. Livestock suffered and milk supplies were affected. It was necessary to restrict the use of water in some cities of the State, and in one instance at least the schools were closed. Brush fires, often fanned by brisk winds, burned over large areas in the central and eastern counties, causing extensive damage to fruit trees, timber, and outbuildings. Good showers on the 15th furnished some water in cisterns and pools; but in most sections there was not sufficient rain to start small streams, hence water for stock again became scarce later in the month. The rains caused late sown wheat to come up to a good stand, but the subnormal temperature of the last two weeks prevented much growth. Early wheat, and rye sown for pasture, which had reached a fair size by the 1st of the month, made no growth of consequence because of the drought and low temperatures that followed. Rather severe cold near the end of the month reduced winter grains to a dormant condition. For these reasons rye furnished less than the usual amount of fall pasture. Grass had dried up in October preceding, therefore feeding was necessary during the entire month. The soft and chaffy corn was profitably utilized for this purpose. Dry soil in stalk fields permitted pasturing of this form of forage to marked advantage. The exceptionally dry condition of corn led to early and rapid gathering. Much late corn was loose on the cob and not marketable, but the thorough drying prevented practically all loss from molding and enhanced its feeding and keeping qualities. The favorable weather also resulted in splendid progress in picking and ginning the cotton crop. Except on two or three days tobacco was too dry to be handled.

TEMPERATURE.

The average temperature for the month, based on reports from 42 stations, was 47.7°, which is 1.4° above normal. The periods 1st-7th and 10-14th were especially warm, maximum temperatures ranging from 70° to 80° on most days. Quite cool weather, with minima generally below freezing and frequently as low as 20°, prevailed from the 16th to the 19th and from the 23d to the end of the month. Extremes for the State were 83° on the 2d and 4th at several central and western stations, and 13° on the 28th at Anchorage.

PRECIPITATION.

The average precipitation, 71 stations reporting, was 1.82 inches, which is 1.71 inches less than normal. Showers occurred locally in the periods, 1st, 7-9th, 21st-24th, and snow on the 28th and 29th. These rains were very light in the western division, but they furnished considerable moisture in other sections. Moderate to heavy showers that reached all districts, and included most of the month's precipitation, occurred from the 12th to 15th. In the southern counties, the total precipitation amounted to 3.0 inches or more. It decreased to about 1.0 inch near the Ohio River, and ranged between 1.5 and 2.0 inches in the central and eastern counties. The smallest monthly amount reported was 0.72 inch at Carrollton, and the greatest 3.86 inches at Burnside. Most of the snow melted as it fell, but in limited areas in the north-central counties measurements ranged from 0.5 to 2.5 inches.

MISCELLANEOUS.

Rivers continued low and navigation was impeded throughout the month.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Ave. hourly velocity.	Max. Velocity.* Miles per hour	Direction.	Date.
Cairo.....Ill.	30.13	30.47	1	29.59	23	6911	9.6	36	S.	6
Cincinnati.....Ohio	30.12	30.48	1	29.59	22	6220	8.6	33	SW.	27
Evansville.....Ind.	30.14	30.45	2	29.66	23	8525	12.0	38	SW.	6
Lexington.....Ky.	30.14	30.53	1	29.63	23	9765	13.6	30	SW.	6
Louisville.....Ky.	30.14	30.49	1	29.66	21	8463	11.8	36	S.	26

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo.....Ill.	76	54	56	209.6	365.6	6	15	4
Cincinnati.....Ohio.	76	59	65	134.8	391.5	35	6	11
Evansville.....Ind.	76	56	59	160.5	363.7	43	11	8
Lexington.....Ky.	80	71	.....	97.8	363.7	32	5	15
Louisville.....Ky.	70	56	57	121.0	363.7	40	5	13

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more rain.
1889	43.1	−3.0	85	10	6.64	+2.69	...
1890	48.6	+2.5	81	19	4.87	+1.52	...
1891	43.5	−2.6	75	10	6.04	+2.69	...
1892	42.8	−3.3	78	9	3.85	+0.50	...
1893	44.3	−1.8	79	− 2	3.12	−0.23	...
1894	43.3	−2.8	80	8	1.32	−2.03	4
1895	45.8	−0.3	85	16	4.20	+0.84	8
1896	49.3	+3.2	80	11	5.01	+1.66	8
1897	47.8	+1.7	78	12	4.69	+1.34	10
1898	43.2	−2.9	80	10	3.75	−0.56	7
1899	47.8	+1.7	79	29	3.12	−1.19	7
1900	47.0	+0.9	83	15	7.78	+4.43	9
1901	41.8	−4.3	82	11	1.52	−1.83	4
1902	50.4	+4.3	80	20	4.42	+1.07	11
1903	42.5	−3.6	82	5	3.61	−0.34	7
1904	41.7	−4.4	79	11	0.89	−2.46	3
1905	46.4	−0.3	76	14	5.55	+2.20	7
1906	46.1	0.0	83	11	5.02	+1.67	12
1907	44.2	−1.9	75	15	3.49	+0.14	6
1908	48.6	+2.5	80	8	2.61	−0.74	6
1909	54.7	+8.6	86	19	3.29	−1.06	6
1910	41.1	−5.0	78	11	4.04	+1.31	8
1911	41.6	−4.5	85	9	4.51	+1.16	8
1912	45.2	−0.9	82	10	1.22	−2.13	4
1913	50.5	+4.4	84	8	3.25	−0.10	5
1914	46.9	+0.8	83	5	1.25	−2.12	5
1915	49.8	+3.7	86	16	4.80	+1.45	9
1916	47.8	+1.7	83	8	1.52	−1.83	4
1917	44.3	−1.8	77	11	1.25	−2.12	5
1918	46.1	0.0	75	13	1.23	−1.45	4
1919	47.4	+1.3	78	19	3.91	+0.96	7
1920	44.7	−1.4	75	16	2.21	−1.14	5
1921	49.8	+3.6	85	20	1.56	−1.79	5
1922	48.3	+2.2	85	19	1.93	−1.42	6
1923	46.4	+0.3	82	16	3.05	+0.30	9
1924	47.7	+1.4	83	13	1.82	−1.71	7

Climatological Data for November, 1924.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days: Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall included.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	20	49.2 + 2.3	83	4	22	29	54	1.50 −1.60	0.80	0	4	11	8	11	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	42	48.4 + 1.1	78	4	22	29	40	2.76 −1.31	1.06	T.	5	17	8	5	n.	E. W. Horr.
Calhoun	McLean	437	20	47.0 − 1.2	77	4†	22	25	43	1.42 −2.04	0.86	T.	5	11	11	8	nw.	W. A. Taylor.
Earlington	Hopkins	420	33	49.3 + 1.4	80	4	23	25	45	2.29 −1.54	1.16	0	6	19	3	8	sw.	Brick Southworth.
Greenville	Muhlenburg	519	7	[a]47.8	[a]1[b]	6	20[b]	25	45[b]	2.27	1.37	0	4	11[b]	12[b]	5[b]	n.	C. R. Lovell.
Hopkinsville	Christian	524	27	48.8 + 0.5	83	4	21	25	46	2.73 −1.42	1.29	T.	4	10	2	18	s.	W. E. Graves.
Marion	Crittenden	571	25	50.2 + 1.9	79	4†	22	29	34	2.05 −1.67	1.30	T.	4	17	1	12	s.	B. C. Paris.
Mayfield	Graves	364	11	50.4 + 1.1	80	4†	24	19†	44	2.95 −1.43	1.95	0	4	18	6	6	sw.	N. E. Douthit.
Owensboro	Daviess	479	27	46.2 − 1.3	78	6	22	26	42	1.13 −2.32	0.58	T.	4	15	4	11	se.	Henry S. Berry.
Paducah (near 8th St.)	McCracken	516	6	49.0	80	7	23	29	43	1.85	1.00	0	4	17	5	8	sw.	J. W. Lilley
Paducah	McCracken	341	35	. . . . .						1.86 −1.94	1.20	T.	3	. . .	. . .	. . .	. . . . .	Frank L. Brown.
Princeton	Caldwell	529	13	[a]47.2 + 0.5	79[a]	4	20[a]	25	43[a]	2.11 −2.01	1.07	T.	6	11	9	10	n.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	344	0	. . . . .						1.62	0.96	0	5	. . .	. . .	. . .	. . . . .	Thos. L. Wetzell.
Russellville	Logan	590	11	47.4 − 0.4	80	4	24	25†	46	2.02 −1.60	0.96	0	8	19	5	6	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	23	44.8 + 0.5	77	4†	13	29	43	0.98 −1.97	0.66	1.4	4	10	3	17	sw.	C. E. Barret.
Bardstown	Nelson	637	27	47.3 + 0.3	79	4	20	25†	45	1.19 −2.19	0.50	0	6	6	4	20	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	33	49.3 + 2.0	80	5	24	25	44	2.95 −0.66	1.50	0	8	12	11	7	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0	. . . . .						1.66	0.82	0	8	. . .	. . .	. . .	. . . . .	J. Frank Thomas.
Brownsville, Lock 6	Edmonson	410	6	. . . . .						1.73	1.03	T.	5	. . .	. . .	. . .	. . . . .	Virgil M. Whalin.
Burnside	Pulaski	773	31	. . . . .						3.86 +0.65	1.22	0	7	. . .	. . .	. . .	. . . . .	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	24	. . . . .						0.72 −2.21	0.19	0	7	. . .	. . .	. . .	. . . . .	Charlie Oliver.
Cloverport	Breckenridge	375	10	. . . . .						1.05 −2.58	0.60	T.	5	. . .	. . .	. . .	. . . . .	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	0	47.8	78	4	24	29	43	1.53	0.58	T.	9	7	12	11	s.	Geo. Henry Ellis.
Eubank	Pulaski	1177	29	48.6 + 3.5	74	6†	20	26	40	2.67 −0.50	1.02	0	5	5	7	18	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	30	47.0 + 0.6	76	7	23	29	34	1.07 −2.34	0.45	T.	6	13	1	16	w.	Sidney Wood.
Franklin	Simpson	691	28	47.7 − 2.1	78	6	25	20†	45	2.97 −0.56	1.90	T.	4	17	4	9	nw.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	11	. . . . .						1.56 −1.54	0.80	0	8	. . .	. . .	. . .	. . . . .	Albert Purvis.
Glasgow	Barren	780	2	50.0	77	4	24	25†	41	2.77	0.90	T.	5	9	3	18	n.	Dr. Fidella Edwards.
Greensburg	Green	581	31	47.7 + 2.5	77	4	20	25†	45	1.82 −1.59	0.63	T.	9	9	2	19	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	646	26	48.6 + 1.9	76	6	25	25†	36	1.51 −1.66	0.41	0	10	. . .	. . .	. . .	. . . . .	Miss Lulu Wood.
Irvington	Breckenridge	985	30	46.3 + 2.4	83	2	18	26	51	1.26 −1.95	0.59	T.	4	12	5	13	w.	W. J. Piggott.
Junction City	Boyle	635	28	47.8 + 1.3	77	4	22	25	41	2.02 −1.22	0.72	T.	10	7	19	4	se.	William E. Grubbs.
Leitchfield	Grayson	989	36	45.0 + 0.2	74	4	21	29	31	1.35 −2.61	0.75	T.	6	10	16	4	s.	H. H. Willis.
Lexington	Fayette	523	12	. . . . .						1.32 −2.16	0.51	0.8	10	7	7	16	sw.	U. S. Weather Bureau.
Littlebickman, Locks[e]	Jessamine	436	12	. . . . .						1.57 −1.13	0.53	0	6	. . .	. . .	. . .	. . . . .	Horace Canter.
Lockport, Lock 2	Henry	525	51	46.6 − 0.1	75	4	23	29	32	1.12 −1.79	0.77	T.	8	. . .	. . .	. . .	. . . . .	Andrew J. Keenan.
LOUISVILLE	Jefferson	534	14	47.2 + 0.6	76	6	24	29†	37	1.00 −3.18	0.65	0.2	8	8	9	13	s.	U. S. Weather Bureau.
Do.(Cherokee Park)	Do.	. . . .	. . .	. . . . .						1.09 −2.17	0.64	0.2	6	10	7	13	s.	Wm. I. Hunt.
Munfordville	Hart	570	0	. . . . .						1.31	0.55	0	4	. . .	. . .	. . .	. . . . .	S. M. Durham.
Pulcher (Dam 43)	Meade	363	1	. . . . .						1.17	0.67	T.	3	. . .	. . .	. . .	. . . . .	W. D. Farnsley.
St. John	Hardin	777	27	[a]48.3 + 2.9	77[a]	4	20	25†	41[a]	1.19 −2.29	0.60	T.	6	22	5	3	. . . . .	Sisters of Loretto.
Salvisa, Lock 6[e]	Mercer	490	9	. . . . .						1.44 −0.91	0.52	T.	5	. . .	. . .	. . .	. . . . .	Ernest M. Searcy.
Scott[e]	Kenton	900	26	45.1 + 0.1	76	6	19	29	37	1.21 −1.59	0.43	0.8	9	5	10	15	w.	E. B. Wilson.
Shelbyville	Shelby	825	34	44.6 + 0.2	74	4†	18	29	35	1.05 −2.34	0.55	2.5	7	10	5	15	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	21	45.5 − 0.3	75	4†	21	29	40	1.02 −2.31	0.58	T.	8	10	4	16	s.	E. D. Bourne.
Tyrone, Lock 5[e]	Anderson	476	5	. . . . .						1.07	0.48	T.	8	. . .	. . .	. . .	. . . . .	H. K. Vaughn.
Williamstown	Grant	943	20	45.4 + 0.3	75	7	19	29	34	1.32 −1.41	0.80	0.8	8	2	16	12	nw.	Mrs. E. S. Hunnlong.
Woodbury, Lock 4	Butler	533	6	. . . . .						1.78	0.98	0	8	. . .	. . .	. . .	. . . . .	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	5	47.6	78	7	24	17†	38	1.85	0.70	0	4	10	0	20	sw.	W. B. Shaw.
Beattyville	Lee	650	19	47.8 + 2.9	80	4	17	26	46	2.97 +0.02	0.90	T.	9	8	5	17	n.	Mrs. Sabina E. Hall.
Berea	Madison	1070	20	48.0 + 0.7	78	4	22	29†	43	2.29 −0.81	0.78	T.	11	7	8	15	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	11	. . . . .						2.39 −0.33	0.90	T.	9	. . .	. . .	. . .	. . . . .	Kelly Walden.
Cynthiana	Harrison	684	6	. . . . .						1.61	0.49	T.	8	. . .	. . .	. . .	. . . . .	P. H. Kehoe.
Falmouth	Pendleton	600	35	. . . . .						1.30 −1.87	0.70	T.	5	12	7	11	se.	J. V. Oldham.
Farmers	Rowan	668	14	[a]46.7 + 1.9	[a]81	7	[a]19	28	[a]47	1.99 −0.84	0.99	T.	5	5	13	12	ne.	Mrs. Edna Tinsley.
Ford, Lock 16[e]	Clark	539	6	. . . . .						1.94	0.84	T.	10	. . .	. . .	. . .	. . . . .	John A. Watters.
Harlan	Harlan	1197	3	. . . . .						2.14	0.90	0	10	. . .	. . .	. . .	. . . . .	S. C. Cole.
Heidelberg, Lock 14	Lee	629	5	. . . . .						. . . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . . . .	. . . . .
Jackson	Breathitt	776	1	. . . . .						1.90 −1.05	0.81	0	4	. . .	. . .	. . .	. . . . .	Russian Cordey.
Louisa	Lawrence	584	17	. . . . .						1.94 −0.90	0.82	0	11	13	4	13	s.	Perry E. Bennett
Maysville	Mason	524	26	45.0 + 0.4	76	7	22	17	39	1.75 −1.76	0.90	0	6	13	13	4	. . . . .	B. H. Perkins.
Middlesboro	Bell	1128	26	52.4 + 6.6	76	7	25	26	28	2.58 +0.66	. . .	0	. . .	8§	17	11§	w.	W. R. McKee.
Mount Sterling	Montgomery	930	34	[a]47.6 + 3.6	[a]77	5†	25†	26	41†	1.72	0.72	2.2	8	. . .	. . .	. . .	. . . . .	M. W. Kinney.
Oliver, Dam 31	Greenup	540	4	. . . . .						1.76	0.52	T.	6	. . .	. . .	. . .	. . . . .	Andrew M. Stanforth.
Owingsville, Dam 35	Campbell	511	2	. . . . .						2.10 −0.59	0.52	0	9	. . .	. . .	. . .	. . . . .	Robert Repass.
Pineville	Pike	634	18	. . . . .						2.06	0.70	0	5	. . .	. . .	. . .	. . . . .	Walter P. Bush.
Pinnacle, Lock 12	Estill	543	3	. . . . .						2.13 −0.74	0.92	0	8	10	6	14	. . . . .	J. W. Crooke.
Richmond	Madison	926	29	47.4 + 0.6	78	7	21	29	40	1.73	0.70	0	6	19	0	11	ne.	A. K. Williams.
Sargent	Letcher	1235	1	49.2	78	13	20	26†	47	2.07 −0.97	1.20	0.7	10	. . .	. . .	. . .	. . . . .	Thos. Sullivan.
Tates Creek, Lock 9	Madison	741	8	. . . . .						2.30	1.00	0.2	8	. . .	. . .	. . .	. . . . .	Samuel Johnson.
Vanceburg, Dam 32	Lewis	525	7	. . . . .						2.53 −0.51	0.60	T.	3	21	6	3	. . . . .	Lawrence R. Uhl.
Williamsburg	Whitley	929	26	48.8 + 1.7	80	7	21	26†	47	2.71	0.71	0.0	8	. . .	. . .	. . .	. . . . .	Shelby Angel.
Willow, Lock 13	Lee	611	2	. . . . .						. . . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . . . .	. . . . .
State averages and extremes		. . . .	. . .	47.7	83	2†	13	29	54	1.82	1.95	0.1	7	11	7	12	s.	. . . . .

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Postpogue letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

T. Precipitation is less than 0.01 inch rain or melted snow.

§Lone Oak.

† Also on other dates. †† Received too late to be included in means and summaries.

[a] Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

[e] Post office addresses — Lock 5 Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Locks 8 Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

Daily Precipitation for November, 1924

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G												.20	.15	.35	.80																
Brandville ..... M							T.				.39	.07	.22	1.02	1.06																
Calhoun ..... G							T.					.26	.12	.17	.86		T.											T.			2.76
Farlington ..... G	.09						T.					.33	.07	.53	1.16		.02				T.	T.		T.			.61	T			1.12
Greenville ..... G												.22	.28	.40	1.37						T.						T			2.27
Hopkinsville C								T.				.30	.07	1.29	.98		T.				T.							T.			2.73
Marion ..... O							T.					.43	.04	.28	1.30													T.			2.09
Mayfield ..... M							T.					.40	.15	.45	1.95		T.	T.													
Owensboro ..... O							T.					.35	.03	.17	.58		T.						T.				T.	T.			2.15
Paducah (near) ¶ ..... O												.40	.05	.30	1.00																1.75
Paducah ‖ ..... O												.40		.26	1.20								T.	T.				T.			1.86
Princeton ..... G						T.						.38	.19	.45	1.07		T.				T.		T.			.04		.04			2.11
Ramsey, Lock No. 2 ‖ ..... G	.11											.27	.06	.22	.96							.63									2.25
Russellville ‖ ..... G	.09							.22	.08			.01	.07	.53	.96																1.94
Central Division																																2.62
Anchorage ..... O							T.				T.	.13		.05	.66		T.				T.		T.			.14	T.			
Bardstown ..... S								.04					.25	.18	.50						.12						.16				1.25
Bowling Green ..... B								.10	.45			.30	.15	*.30	1.50		.05				.10			T.						1.10
Bowling Green, No. 2 ‖ ..... G	.06							.12	.07			.26	.03	.82	.03																2.53
Brownsville, Lock No. 6 ‖ ..... G									.12				.27	.26	1.03																1.66
Burnside ‖	.16							.15	1.11			.06		.16	1.22	T.					1.00							T.	T.		1.73
Carrollton ‖ (Lock No. 1) ..... K												.16	T.	.06	.06	.05								T.				T.			3.86
Cloverport ‖ ..... O	.10							T.				.22	.08	.05	.60		T.				T.		T.			.14				6.72
Dix Dam, Burgin ..... K	T.							.30	.02	T.		.12	.02	.08	.30	T.			T.	.5	T.	T.	.09	T.		.02	T.			1.65
Eubank ‖ C																					.41		.68								1.33
Frankfort ..... K	.27								.60			.10	.10	1.02							.85										2.67
Franklin ..... G								T.	T.			.16	T.	.02	.45	T.					.15		T.					.02	T.		1.07
Gest, Lock No. 3 ‖ ..... K	.20						T.					.40	.60	1.90							.07				T.						2.97
Glasgow ..... G											.04	.13	.06	.80	.05						.18		.10					T.	T.	T.	1.56
Greensburg ..... G	.05							.65				.40		.40	.90						.42							T.			2.77
High Bridge, Lock No. 7 ‖ ..... K	.13							.13	.01		T.	.09	.12	.40	.63		.02				.37		T.	T.	T.			T.	T.		1.82
Irvington ..... O								.06	.20			.13	.01	.09	.37	.03						.41		.68							1.51
Junction City ..... K							T.					.47	T.	.12	.59		T.				.08			T.			T.	T.	T.		1.26
Leatherfield ..... G								.02	.26	.02	.01	.10	.02	.50	.27						.72						.10	T.			2.02
Lexington *** ..... K								T.	T.			.20	.16	.17	.75		.02	T.			.05						T.	T.			1.35
Little Hickman, Lock No. 8 ‖ ..... K	.12							.05	.10		T.	.03	.05	.04	.34		T.				.51	T.	.08	.02			.10	T.	T.		1.32
Lockport, Lock No. 2 ‖ ..... K								T.	T.	.24		.15	T.		.45						.53		.08				T.				1.67
Louisville *** ..... O								T.			.06	.02	.02	.77						.01	.11		.02				.08	T.			1.12
Do. (Cherokee Park) ..... O								T.	T.		T.	.16	T.	.07	.64	T.		T.	T.		.03		T.			T.	.11	.02			1.40
Munfordville ‖ ..... G													.24	.32	.55						.05			.02		T.	.15	T.			1.19
Pilcher (Dam 43) ‖ ..... O	T.											.35	T.	.15	.67		T.					.20			T.						1.31
St. John ..... S								.08	.05				.05	.38	.60									T.			.03	T.			1.17
Salvisa, Lock No 6 ‖ ..... K	.10								.14			.50						.52	T.	T.											1.19
Scott L							T.				T.	.12	.07	.02	.43		T.			.13	T.	.18	.13			.05	.18	T.			1.44
Shelbyville ..... S							.04	T.			T.	.10	.03	.13	.55	T.				.10						.12	T.			1.21
Taylorsville ..... S							.01	T.			T.	.10	.04	.12	.58					.09			.01			.07	T.			1.07
Tyrone, Lock No. 5 ‖ ..... K							.04	.05				.10	.68	.48	T.					.20		.01				.11	T.			1.62
Waddams Grove C							T.					.06	.01	T.	.80			T.		.13	.10		.07			.13	.02			1.07
Woodbury, Lock No. 4 ‖ ..... G	.11								.02			.15	.16	.29	.78		.03				.03			T.		T.					1.32
Eastern Division																																1.78
Ashland ‖ ..... O									.60					.20	.25						.70		.18								
Beattyville ‖ ..... K	.27							.04	.48			.14	T.	.18	.60	.18					.60		.18	T.			T.	T.			1.85
Berea ..... K								.43	.01			.08	.02	.20	.70		.01				.77		.01				.03	T.			2.97
College Hill, Lock No. 11 ‖ ..... K	.20							.03	.25			.12	.10		.60	.03					.48										2.29
Cynthiana L	.16						.03		.05		T.	.23		T.	.49	.03					.48		.14		T.		T.				2.39
Falmouth ‖ L	.17						T.								.12						.21		.10				T.				1.30
Farmers ‖ L	T.								.10			.06		.12	.42	T.					.99						T.	T.			1.39
Ford, Lock No. 10 ‖ ..... K	.20						T.	.30			.10	.02	.04	.27	.08						.84		.04	T.			.05	T.	T.		1.94
Harlan ..... K																																
Heidelberg, Lock No. 14 ‖ ..... K						T			.05	.24			.03	.04	.15	.57	.09					.90	.04				.05				2.14
Jackson ‖ ..... K																																
Louisa ..... K																																
Maysville ..... O									.40					.01	.68						.81										
Middlesboro C	.19							.12	.01			.03		T.	.45	.69		T.			.72		.01	.11	.04			T.			1.90
Mount Sterling L								.22				.05		.03	.46						.82	.01	.11	.04			.10	T.			1.94
Oliver, Dam 30 ‖ ..... O								.20		.19				*	.6						.90	.15									1.75
Onconta Dam 35 ‖ ..... O	.30							.15			.04		.35	.20		.04				1.75	.44		T.							2.78
Pikeville ..... E	.04										T.	.12	.08		.52					T.	.72		.08		T.		.04	.18		1.72
Ravenna, Lock No. 12 ‖ ..... K	T.							.12	.36				.12		.52	.18					.27		.08		T.		T.	T.			1.76
Richmond ..... K							T.	.50			T.	.10	T.	.60	.10						.48	.16					.12				2.10
Sergent ..... K								.34	.05			.19		.07	.50						.70		T.				T.				2.00
Valley View, Lock No. 9 ‖ ..... K								.03	.10					.20	.50					.12	.20	.70		.02			.04	T			2.13
Vanceburg, Dam No. 32 ..... O								.28			.01	.04	.02	.17	.25		.03			1.20											1.73
Williamsburg ‖ C									.52					.08	.48	.08					1.00	.10	.66				.67				3.07
Willow Lock No. 13 ‖ ..... K									.90				T.	T.	.90						.72		T.				T.				2.60
								.15	.35			.11	.05	.03	.62	.12					.71										2.54
																															2.74

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

‖ Reference mark *** Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green. (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for November, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	75	77	81	83	74	80	79	59	65	71	72	68	71	69	57	60	56	50	57	57	57	54	59	54	55	55	53	47	37	40	..	62.3
	Minimum	31	32	27	43	46	60	54	40	36	28	52	45	50	46	47	31	24	32	25	30	34	37	30	30	27	28	37	27	22	29	..	36.0
Blandville	Maximum	76	72	77	78	76	77	73	49	61	71	71	67	70	62	53	58	45	57	45	52	61	57	60	43	48	51	48	43	36	48	..	59.5
	Minimum	36	39	38	50	53	62	43	34	26	42	56	42	46	42	37	36	26	37	26	36	40	35	35	26	23	33	33	32	22	34	..	37.3
Calhoun	Maximum	61	67	73	77	77	75	75	54	60	70	70	68	69	69	51	51	50	48	54	50	55	56	45	45	42	51	51	44	34	36	..	57.6
	Minimum	33	35	30	36	47	63	53	38	30	33	54	44	49	45	40	35	27	33	26	30	35	31	34	22	30	36	31	34	22	30	..	36.3
Earlington	Maximum	75	74	77	80	76	78	75	53	62	73	72	70	70	66	54	58	50	45	53	55	59	62	63	48	46	51	49	45	32	42	..	60.1
	Minimum	36	42	32	52	67	62	53	39	32	33	55	45	45	46	41	37	26	34	26	31	39	38	37	33	23	31	37	27	25	31	..	38.5
Greenville	Maximum	73	74	74	78	76	81	78	56	...	63	73	68	65	64	47	55	56	52	48	54	56	58	51	37	32	20	29	35	31	21	27	*59.6
	Minimum	32	35	29	50	53	62	59	39	...	28	52	43	47	45	39	32	23	30	24	26	32	36	36	30	33	24	22	30	29	23	24	*35.9
Hopkinsville	Maximum	76	77	79	83	76	78	71	55	64	74	73	68	70	67	55	60	53	50	55	57	59	56	60	54	47	53	50	48	36	47	..	61.8
	Minimum	36	33	33	40	38	58	51	30	40	36	50	46	48	46	41	33	26	36	23	30	37	33	37	32	21	25	21	31	22	30	..	33.8
Marion	Maximum	69	73	72	79	72	75	79	66	63	67	74	70	65	68	52	57	57	45	48	55	55	59	58	56	49	51	45	39	39	40	..	60.2
	Minimum	45	45	38	58	55	63	60	37	32	46	56	46	48	46	41	33	26	36	30	40	44	35	39	38	33	23	33	35	35	22	28	40.2
Mayfield	Maximum	75	75	79	80	76	80	74	62	62	76	73	70	72	70	71	60	61	51	56	56	60	60	55	47	48	51	51	50	35	48	..	62.8
	Minimum	36	42	35	49	55	65	53	26	25	39	55	44	46	46	47	29	30	39	24	33	37	36	36	32	33	33	33	33	33	38	..	38.0
Owensboro	Maximum	70	70	73	72	71	78	74	54	60	70	72	52	63	67	52	54	45	44	52	54	57	58	51	37	38	43	50	48	36	44	..	56.7
	Minimum	34	35	31	45	52	63	45	36	30	35	45	43	47	43	39	33	28	34	26	32	36	36	30	33	24	22	30	29	23	24	..	35.6
Paducah (near)	Maximum	72	72	78	70	70	76	80	57	53	70	72	74	64	66	53	53	55	52	46	45	59	60	55	47	46	49	51	48	40	44	..	59.2
	Minimum	37	43	35	50	55	64	54	39	25	38	57	44	47	45	39	37	27	38	26	36	41	37	37	33	24	34	34	33	23	33	..	38.8
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	71	72	76	79	..	75	75	52	61	74	73	69	69	66	53	57	51	49	58	57	61	45	45	50	48	44	35	43	..	*59.2		
	Minimum	35	35	33	40	..	45	50	38	26	31	52	44	48	45	40	34	27	37	24	29	31	34	38	33	20	26	36	28	22	30	..	*35.1
Russellville	Maximum	75	75	77	80	75	77	74	49	58	73	69	66	68	64	53	55	51	50	54	52	58	59	56	48	47	53	53	47	39	47	..	59.1
	Minimum	35	38	32	34	48	54	57	41	40	32	40	30	49	49	43	34	27	29	26	27	38	38	33	34	24	27	28	32	24	27	..	35.7
Central Division																																	
Anchorage	Maximum	75	74	72	77	75	77	74	48	60	68	71	63	68	64	54	60	41	44	50	52	54	52	45	48	40	40	54	46	37	27	33	56.4
	Minimum	32	37	30	46	43	50	45	33	37	32	47	45	46	46	32	32	23	30	32	28	35	39	28	30	28	30	33	28	22	23	..	33.3
Bardstown	Maximum	75	76	75	79	75	76	75	55	56	69	68	60	65	74	66	54	56	49	43	57	54	53	46	51	41	40	54	48	44	44	39	58.2
	Minimum	36	36	39	46	61	50	38	40	31	51	49	50	50	40	29	23	34	28	30	38	38	27	35	39	25	30	18	21	26	23	15	36.4
Bowling Green	Maximum	75	76	75	79	75	76	75	55	56	69	68	60	65	74	66	54	56	49	43	57	54	53	46	51	41	40	54	48	44	44	39	58.2
	Minimum	36	36	39	46	61	50	38	40	31	51	49	50	50	40	29	23	34	28	30	38	38	27	35	39	25	30	18	21	26	23	15	36.4
Dix Dam	Maximum	75	76	75	79	75	76	75	55	56	69	68	60	65	74	66	54	56	49	43	57	54	53	46	51	41	40	54	48	44	44	39	58.2
	Minimum	36	36	39	46	61	50	38	40	31	51	49	50	50	40	29	23	34	28	30	38	38	27	35	39	25	30	18	21	26	23	15	36.4
Eubank	Maximum	69	73	70	76	73	74	74	71	63	62	68	62	72	68	50	55	47	44	59	59	50	52	57	55	46	51	49	42	35	35	..	56.9
	Minimum	44	43	30	40	49	55	55	53	43	53	48	51	55	59	37	45	25	33	28	25	45	37	51	49	48	37	51	49	42	35	..	37.1
Frankfort	Maximum	66	69	67	74	73	75	76	62	55	61	69	67	71	68	55	53	47	44	47	55	51	51	50	48	37	43	44	42	41	41	..	59.0
	Minimum	40	36	33	44	42	61	57	38	42	33	44	51	56	48	39	32	27	32	30	27	31	41	29	36	26	25	40	44	42	41	41	50.9
Franklin	Maximum	75	77	76	74	77	78	70	59	54	69	62	67	65	71	68	60	58	50	49	50	56	57	56	55	45	42	51	50	42	45	44	60.0
	Minimum	35	34	35	33	34	33	59	40	30	33	51	52	54	52	49	37	27	27	26	25	27	28	35	35	25	29	38	35	42	45	44	36.6
Glasgow	Maximum	75	76	72	77	72	73	75	57	60	69	65	69	74	68	67	68	50	48	52	59	55	54	50	45	40	32	24	30	32	32	24	39.4
	Minimum	34	38	34	49	49	60	59	45	40	36	52	55	52	42	42	35	28	35	30	31	46	45	40	32	24	30	32	24	26	26	22	39.6
Greensburg	Maximum	68	72	74	77	74	76	76	71	51	67	70	65	76	70	53	57	50	46	52	60	52	49	59	55	42	53	48	44	37	43	43	58.8
	Minimum	40	31	29	36	37	60	58	41	40	23	47	52	52	48	41	37	26	37	23	33	40	28	35	30	23	23	20	20	37	23	23	35.8
Irvington	Maximum	68	72	71	75	74	76	74	66	57	68	70	65	69	67	59	53	51	45	50	54	55	52	51	43	40	50	46	39	30	35	25	57.5
	Minimum	37	46	35	58	56	64	56	39	40	32	54	47	49	46	41	37	30	36	38	36	43	40	32	34	25	32	31	29	25	29	29	39.7
Junction City	Maximum	67	70	70	76	76	77	75	56	56	64	63	70	69	73	69	72	56	46	42	49	50	56	56	56	49	42	51	50	42	45	44	60.1
	Minimum	32	32	28	32	40	58	47	40	38	30	43	52	55	53	34	25	22	32	26	22	37	31	25	34	24	18	22	20	21	22	22	32.5
Leitchfield	Maximum	71	73	74	77	76	76	73	55	57	71	68	65	70	68	54	57	50	47	54	52	50	54	49	42	51	46	42	32	28	33	29	57.4
	Minimum	36	40	34	46	51	61	55	39	41	30	49	49	50	46	41	35	27	37	34	35	35	37	30	33	22	20	33	29	23	26	26	38.1
Lexington	Maximum	66	68	68	74	71	71	73	43	52	64	68	56	71	59	46	50	43	36	45	55	54	42	49	38	35	50	44	39	27	33	33	53.0
	Minimum	41	41	37	51	53	59	43	33	36	40	37	50	48	48	43	35	30	25	29	32	37	32	28	28	26	28	28	28	18	23	24	37.0
Louisville	Maximum	68	72	70	75	74	72	73	57	63	71	68	68	55	53	53	43	40	38	54	53	52	49	48	40	38	52	46	38	28	33	33	54.3
	Minimum	40	42	38	57	55	65	42	35	40	36	53	45	48	45	38	34	26	32	30	33	39	33	32	30	24	24	18	22	20	21	22	38.8
Do (Cherokee Park)	Maximum	70	69	69	74	74	76	74	45	60	62	70	67	69	67	54	52	50	42	48	53	53	52	50	54	49	42	51	46	42	32	28	57.4
	Minimum	36	45	32	54	59	61	57	35	40	32	50	47	47	45	38	36	27	33	35	32	52	52	50	54	52	50	54	49	42	33	29	38.1
St. Joseph	Maximum	72	73	77	77	75	76	70	59	58	67	67	70	72	72	72	..	..	..	..	..	52	52	52	52	52	52	52	52	52	52	52	*61.2
	Minimum	37	38	31	45	45	59	48	36	38	30	52	52	46	46	37	33	25	30	25	25	82	80	32	30	29	27	35	25	20	25	25	*35.4
Smith	Maximum	69	66	67	72	73	76	74	54	58	58	63	63	67	62	46	49	39	43	55	56	46	44	38	39	50	45	38	39	29	29	29	*63.5
	Minimum	42	47	39	51	48	63	53	35	37	29	47	48	47	44	36	34	31	26	24	29	41	39	30	32	24	27	37	29	19	21	21	*36.7
Shelbyville	Maximum	69	71	67	71	71	68	71	56	56	62	63	61	70	67	46	50	41	42	39	52	52	47	46	44	34	48	47	41	31	28	28	53.7
	Minimum	35	38	32	47	48	57	52	34	41	33	48	48	46	44	30	30	21	33	30	30	39	37	27	32	26	36	46	46	42	33	36	35.4
Taylorsville	Maximum	66	70	68	75	73	75	75	58	55	62	67	64	71	67	52	57	49	40	47	52	52	52	49	48	38	52	49	42	32	33	24	55.9
	Minimum	37	31	28	38	38	59	54	38	42	27	43	42	50	47	39	28	23	35	24	25	31	40	35	31	26	35	22	22	20	25	24	35.1
Williamstown	Maximum	65	66	65	71	72	71	75	61	56	66	66	64	68	65	49	49	41	40	43	53	54	46	40	35	31	40	36	32	30	32	30	54.4
	Minimum	37	45	31	51	47	60	57	33	38	32	45	48	47	41	31	33	22	28	26	33	42	38	29	32	25	27	26	25	19	21	..	36.3
Eastern Division																																	
Ashland	Maximum	66	70	66	71	76	76	78	75	55	68	72	71	74	72	51	53	51	40	42	59	56	53	51	50	49	46	42	51	50	46	42	31	58.4
	Minimum	43	37	30	35	41	48	45	39	41	36	46	48	49	47	36	35	24	28	24	26	33	33	42	37	32	44	56	50	48	37	42	35.5
Catlettsburg	Maximum	74	75	75	80	76	77	78	74	56	69	75	68	73	71	57	57	52	46	50	60	63	60	53	58	52	54	56	52	51	47	44	61.7
	Minimum	43	34	36	34	55	49	41	43	41	37	51	57	53	46	40	39	27	29	30	24	46	40	49	55	43	41	54	42	44	33	32	38.1
Ezel	Maximum	70	69	74	78	74	74	76	74	65	64	70	69	72	73	67	67	53	46	46	57	57	52	50	49	42	39	31	35	27	24	28	30	22	22	53.9
	Minimum	34	45	31	45	45	59	48	36	38	30	52	52	46	46	37	35	24	31	27	26	42	39	31	35	29	32	38	36	30	29	38	37	*61.0
Farmers	Maximum	74	77	75	78	76	73	81	73	66	64	70	66	74	70	51	55	48	46	60	54	55	48	42	55	49	50	45	38	39	32	32	*63.4
	Minimum	39	28	29	31	34	53	40	39	39	31	39	47	54	47	36	28	23	29	25	..	28	38	32	36	27	21	35	19	20	22	..	.....
Jackson	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Jamestown	Maximum	67	68	68	67	73	71	76	70	56	64	61	72	65	71	59	49	53	41	40	40	57	57	43	47	42	38	52	47	43	35	..	55.8
	Minimum	37	38	28	38	47	53	51	36	36	32	39	43	51	46	36	32	22	26	24	24	33	41	34	36	31	25	28	29	23	24	..	34.2
Maysville	Maximum	46	46	49	51	42	44	52	36	33	32	39	43	51	46	36	32	22	26	24	24	33	41	34	36	31	25	28	29	23	24	..	.....
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Olympian	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Maximum	71	74	78	72	73	73	76	72	63	65	66	67	72	70	68	62	54	56	63	65	64	45	52	60	45	48	56	48	41	42	..	61.7
	Minimum	41	50	38	48	45	65	59	45	49	47	58	65	48	45	30	38	38	36	38	35	38	42	33	28	35	28	28	26	..	43.1		
Richmond	Maximum	71	74	78	74	73	73	76	72	63	65	66	67	72	70	68	62	54	56	63	65	64	45	52	60	45	48	56	48	41	42	..	*60.1		
	Minimum	41	50	38	48	45	65	59	45	49	47	58	65	48	45	30	38	38	36	38	35	38	42	33	28	35	28	28	26	..	43.2		
Versailles	Maximum	75	76	76	74	77	75	77	67	65	65	66	67	72	70	68	62	54	56	63	65	64	45	52	60	45	48	56	48	41	42	..	*60.1		
	Minimum	41	50	38	48	45	65	59	45	49	47	58	65	48	45	30	38	38	36	38	35	38	42	33	28	35	28	28	26	..	43.2		
Winchester	Maximum	75	76	76	74	77	75	77	67	65	65	66	67	72	70	68	62	54	56	63	65	64	45	52	60	45	48	56	48	41	42	..	*60.1		
	Minimum	41	50	38	48	45	65	59	45	49	47	58	65	48	45	30	38	38	36	38	35	38	42	33	28	35	28	28	26	..	43.2		
Woodlake	Maximum	75	76	76	74	77	75	77	67	65	65	66	67	72	70	68	62	54	56	63	65	64	45	52	60	45	48	56	48	41	42	..	*60.1		
	Minimum	41	50	38	48	45	65	59	45	49	47	58	65	48	45	30	38	38	36	38	35	38	42	33	28	35	28	28	26	..	43.2		
Warren Co. Farm	Maximum	74	77	79	77	77	77	77	67	65	65	66	67	72	70	68	62	54	56	63	65	64	45	52	60	45	48	56	48	41	42	..	*60.1		
	Minimum	41	50	38	48	45	65	59	45	49	47	58	65	48	45	30	38	38	36	38	35	38	42	33	28	35	28	28	26	..	43.2		
Weeksbury	Maximum	74	77	79	77	77	77	77	67	65	65	66	67	72	70	68	62	54	56	63	65	64	45	52	60	45	48	56	48	41	42	..	*60.1		
	Minimum	41	50	38	48	45	65	59	45	49	47	58	65	48	45	30	38	38	36	38	35	38	42	33	28	35	28	28	26	..	43.2		
Wilmore	Maximum	74	77	79	77	77	77	77	67	65	65	66	67	72	70	68	62	54	56	63	65	64	45	52	60	45	48	56	48	41	42	..	*60.1		
	Minimum	41	50	38	48	45	65	59	45	49	47	58	65	48	45	30	38	38	36	38	35	38	42	33	28	35	28	28	26	..	43.2		
Worthington	Maximum	74	77	79	77	77	77	77	67	65	65	66	67	72	70	68	62	54	56	63	65	64	45	52	60	45	48	56	48	41	42	..	*60.1		
	Minimum	41	50	38	48	45	65	59	45	49	47	58	65	48	45	30	38	38	36	38	35	38	42	33	28	35	28	28	26	..	43.2		
Williamsburg	Maximum	74	77	79	77	77	77	77	67	65	65	66	67	72	70	68	62	54	56	63	65	64	45	52	60	45	48	56	48	41	42	..	*60.1		
	Minimum	41	50	38	48	45	65	59	45	49	47	58	65	48	45	30	38	38	36	38	35	38	42	33	28	35	28	28	26	..	43.2		

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* ... are for periods respectively 1, 2, 3 etc., days missing from record.

W. B. O. Lansdale ..... Observer.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., DECEMBER, 1924. No. 12

GENERAL SUMMARY.

Marked extremes in temperature, excessive rains, and damaging windstorms characterized the month's weather. Except for a few days with temperatures below normal, unseasonably warm and springlike weather prevailed from the 1st to the 18th. A severe cold wave reached the western counties on the 19th, and spread over the remainder of the State on the 20th; after which decidedly low temperature persisted until the end of the month. Wheat passed from a condition of slow growth into near-zero temperatures in a period of 48 hours, resulting in considerable injury to the tender tops of plants. There was no snow cover until the 23d-24th, when snow fell generally over the State, and furnished some protection in the northern counties until near the end of the month. The soil remained hard frozen, hence grains were not lifted to any great extent. Farmers continued to gather corn and cotton, and stripped considerable tobacco, during the mild weather; but the advent of the severe conditions practically put an end to all such activities. Icy and rough frozen roads and the dry, cold atmosphere greatly hindered the handling and delivery of tobacco during the cold period.

For the first time in three months precipitation exceeded the monthly average. Most of it occurred, however, in the excessive rains of the 7-8th, which caused floods in the Green and Kentucky rivers, and stages near flood heights in the other streams of the State. These rains fell on a terrain exceptionally dry for early winter, and furnished the first ample supply of stock water since the fall drought had set in. The beds of most small and moderately large streams contained little or no running water when the rains occurred. Considerable corn in shock, caught in the lower bottoms by the sudden rises, was carried away before it was possible to move it. Rye and other pasture improved and furnished some grazing during the mild weather.

TEMPERATURE.

The average temperature for the month, based on reports from 42 stations, was 35.9°, which is 1.7° below normal. In the periods 4-8th, 12-13th, and 15-18th, temperatures ranged from 8° to 30° above normal; while in the period 20-29th they were as far below the seasonal average, and minima on most days ranged from 5° below to 10° above zero. Extremes for the State were 79° at Williamsburg on the 18th and −9° at Owensboro on the 28th.

PRECIPITATION.

The average precipitation, 71 stations reporting, was 5.97 inches, which is 1.89 inches above normal. Heavy to excessive rains prevailed on the 7th and 8th in all districts. Moderate rains occurred generally in the period 4-5th, and light showers locally from the 14th to 19th. Precipitation was also moderate to heavy on the 23d and 24th; mainly in the form of rain in the southern counties, but mostly as snow, ranging from 1.0 to 4.0 inches, in the northern district. An area of heavy precipitation, in which monthly totals ranged from 7.0 to 11.0 inches, included the upper basin of Green River and most of the section to the southward. Amounts diminished toward the north and east, where they ranged between 3.5 and 6.0 inches. Extremes for the State were 3.26 inches at Oneonta, and 11.12 inches at Brownsville. Thunderstorms were reported generally on the 7th and 8th.

MISCELLANEOUS.

Dec. 7.—Windstorms in Trigg, Christian, and Todd counties caused extensive damage to farm buildings, probably amounting to $25,000. A barn was burned by lightning at Clinton.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.22	30.97	20	29.60	8	7594	10.2	33	n.	27
Cincinnati ..... Ohio	30.22	30.91	21	29.44	13	6694	9.0	38	sw.	8
Evansville ..... Ind.	30.23	30.97	21	29.54	12	8513	11.4	31	sw.	8
Lexington ..... Ky.	30.24	30.92	21	29.57	12	10691	14.4	48	sw.	8
Louisville ..... Ky.	30.25	30.98	21	29.51	12	8657	11.6	36	w.	8

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	73	62	68	163.3	299.1	55	12	8
Cincinnati ..... Ohio.	82	68	80	109.7	293.4	37	8	15
Evansville ..... Ind.	75	64	69	129.4	296.3	44	9	13
Lexington ..... Ky.	84	77	.....	122.3	296.3	41	7	13
Louisville ..... Ky.	74	62	62	123.4	296.3	42	7	13

JAN 20 1925

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more rain.
1889	50.2	+13.0	76	13	1.57	−2.57	..
1890	37.8	+ 0.7	70	12	3.51	−0.43	..
1891	42.4	+ 5.3	70	15	4.10	+0.16	..
1892	34.6	− 2.5	74	− 3	4.22	+0.28	..
1893	39.0	+ 1.9	78	10	2.69	−1.25	..
1894	38.7	+ 1.6	76	−11	4.31	+0.37	10
1895	38.8	+ 1.7	77	6	4.43	−0.49	9
1896	39.6	+ 2.5	73	7	1.82	−2.12	4
1897	38.0	+ 0.9	72	3	3.75	−0.19	10
1898	34.1	− 3.0	70	−12	2.74	−1.20	8
1899	34.8	− 2.3	70	−15	4.26	+0.32	10
1900	38.6	+ 1.5	70	12	2.59	−1.35	8
1901	32.3	− 4.8	72	−22	4.50	+0.56	10
1902	36.7	− 0.4	72	− 3	7.35	+3.42	12
1903	30.7	− 6.4	58	0	2.88	−1.06	7
1904	36.4	− 0.7	72	− 2	4.30	+0.36	11
1905	37.3	+ 0.2	66	11	4.38	+0.44	8
1906	39.0	+ 1.9	76	− 9	5.64	+1.70	15
1907	38.5	+ 1.4	70	8	3.20	−0.74	11
1908	39.8	+ 2.7	74	7	2.42	−1.52	9
1909	29.9	− 7.0	59	−14	3.46	−0.48	9
1910	31.1	− 6.0	66	− 3	3.37	−0.57	8
1911	41.6	+ 4.5	74	11	6.25	+2.31	12
1912	37.2	+ 0.1	73	5	3.98	+0.04	9
1913	39.5	+ 2.4	70	11	2.73	−1.21	7
1914	32.8	− 4.3	70	−16	5.22	+1.28	14
1915	37.0	− 0.1	64	9	7.56	+3.62	12
1916	35.5	− 1.6	74	−14	4.23	+0.29	10
1917	26.5	−10.6	72	−21	2.01	−1.93	8
1918	44.8	+ 7.7	75	14	4.41	+0.50	12
1919	34.6	− 2.5	68	3	4.63	+0.69	9
1920	38.6	+ 1.5	68	4	2.89	−1.05	9
1921	41.7	+ 4.6	73	18	4.40	+0.46	7
1922	41.5	+ 4.4	77	5	5.04	+1.10	12
1923	46.6	+ 9.5	75	8	6.60	+2.66	11
1924	35.9	− 1.7	79	− 9	5.97	+1.89	9

Climatological Data for December, 1924.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	20	37.0	− 0.1	75	18	− 2	25†	50	4.07	+0.32	1.90	3.2	9	12	8	11	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	42	35.0	− 2.1	69	16†	− 5	28	57	6.30	+2.37	3.81	1.1	8	12	1	18	n.	E. W. Horr.
Calhoun	McLean	437	20	*34.4	− 3.8	63[m]	8	− 5[m]	28	55	4.85	+0.60	2.12	2.0	....	6[m]	4[m]	8[m]	sw.	W. A. Taylor.
Earlington	Hopkins	420	33	36.2	− 1.9	74	18	− 3	28	55	7.43	+3.62	3.82	1.5	7	15	2	14	n.	Brick Southworth.
Greenville	Muhlenburg	519	7	34.6	.....	67	18†	− 5	25	50	6.96	.....	2.70	1.5	8	18	3	10	n.	C. R. Lovell.
Hopkinsville	Christian	524	27	37.3	− 0.5	75	18	− 1	28	49	6.49	+1.72	2.62	T.	6	11	5	15	sw.	W. E. Graves.
Marion	Crittenden	571	25	36.6	− 0.9	70	19	− 6	28	52	3.90	−0.32	1.85	T.	6	11	5	15	sw.	B. C. Paris.
Mayfield	Graves	364	11	38.0	− 1.9	74	19	− 5	25	57	6.05	+1.30	3.45	T.	7	15	11	5	n.	N. E. Douthit.
Owensboro	Daviess	479	27	32.8	− 3.8	72	18	− 9	28	48	4.29	+0.43	2.10	1.0	8	10	8	13	nw.	Henry S. Berry.
Paducah (near)	McCracken	516	6	37.1	.....	70	17	0	26†	46	6.45	.....	3.00	1.0	7	14	3	14	w.	J. W. Lilley
Paducah	McCracken	341	35	.....	.....	.....	.....	.....	.....	.....	4.74	+0.98	2.20	2.0	8	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	13	36.1	− 1.6	71	18	− 4	28	48	7.35	+2.97	3.45	2.8	8	11	5	15	s.	Dr. W. L. Cash.
Ramsey, Lock 2 ‡	Caldwell	344	0	.....	.....	.....	.....	.....	.....	.....	4.55	.....	2.55	4.0	8	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	11	35.3	− 3.4	74	17	− 2	28†	42	8.72	+5.08	4.96	0.2	9	14	2	15	s.	Wm. Shelton.
Central Division.																				
Auchorage	Jefferson	700	23	32.4	− 1.2	66	17	− 8	25†	44	4.42	+0.44	1.85	3.3	8	13	4	14	nw.	C. E. Barret.
Bardstown	Nelson	637	27	35.6	− 0.1	73	17	− 1	28	42	6.13	+1.77	2.35	1.0	7	15	0	16	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	33	37.4	− 0.2	75	17	4	28	42	10.74	+6.42	6.15	0.5	11	16	6	9	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	10.45	.....	6.16	0.3	10	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	6	.....	.....	.....	.....	.....	.....	.....	11.12	.....	5.79	T.	8	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	31	.....	.....	.....	.....	.....	.....	.....	8.09	+3.80	3.64	T.	7	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	24	.....	.....	.....	.....	.....	.....	.....	4.62	+1.62	2.42	.....	10	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	770	0	37.0	.....	73	17	6	26	39	5.03	+0.21	2.13	3.9	9	.....	.....	.....	.....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	1177	29	37.9	+ 1.5	70	17†	5	25	36	6.38	.....	2.93	1.0	10	15	6	10	s.	Geo. Henry Ellis.
Eubank	Pulaski	560	30	35.9	− 1.3	68	17	5	25†	40	7.23	+3.36	3.40	T.	5	9	7	15	s.	Mrs. Katie Payne.
Frankfort	Franklin	691	28	38.4	− 1.8	74	17	8	25	46	6.05	+2.46	3.13	0.8	9	14	0	17	s.	Sidney Wood.
Franklin	Simpson	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.03	+2.51	3.01	0.2	8	16	2	13	n.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	11	.....	.....	.....	.....	.....	.....	.....	1.70	+0.29	2.10	.....	10	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	2	37.9	.....	74	17	6	25	46	5.41	.....	2.60	T.	7	16	2	13	n.	Dr. Fidella Edwards.
Greensburg	Green	581	31	37.0	+ 0.7	73	17	4	26	42	7.93	+3.77	3.65	T.	10	12	0	19	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	21	.....	.....	.....	.....	.....	.....	.....	6.54	+2.06	3.19	1.0	9	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	26	35.6	− 0.4	68	18	− 3	28	44	4.79	+0.89	2.05	1.5	7	15	1	15	s.	W. J. Pigeott.
Junction City	Boyle	985	30	35.6	− 0.6	72	18	3	26	39	9.12	+4.59	5.60	0.2	7	10	16	5	se.	William E. Grubbs.
Leitchfield	Grayson	635	28	35.8	− 0.8	71	17	1	28	42	7.00	+2.17	3.00	1.0	7	14	9	8	s.	H. H. Willis.
Lexington	Fayette	989	36	34.0	− 1.8	68	17	3	25	48	5.59	+2.27	2.92	1.8	10	10	8	13	sw.	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	523	12	.....	.....	.....	.....	.....	.....	.....	5.14	+1.09	2.33	.....	7	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	436	12	.....	.....	.....	.....	.....	.....	.....	4.09	−0.17	2.05	1.2	9	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	51	33.8	− 3.8	66	17	− 3	28	48	4.10	+0.37	2.52	3.7	11	9	7	15	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	14	34.2	− 2.0	66	17	− 4	28	42	5.01	+0.56	2.31	3.5	10	12	3	16	s.	Wm. I. Hunt.
Munfordville	Hart	570	0	.....	.....	.....	.....	.....	.....	.....	7.54	.....	3.80	T.	5	.....	.....	.....	.....	S. M. Durham.
Pitcher (Dam 43)	Meade	363	1	.....	.....	.....	.....	.....	.....	.....	4.51	.....	2.36	2.0	8	.....	.....	.....	.....	W. D. Farnsley.
St. John	Hardin	777	27	34.4	− 0.2	70	16	− 4	26	37	6.83	+2.41	3.30	1.0	9	15	5	11	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	490	9	.....	.....	.....	.....	.....	.....	.....	6.42	+1.53	3.75	.....	5	.....	.....	.....	.....	Ernest M. Searcy.
Scott	Kenton	900	26	32.0	− 1.2	64	16†	− 3	25	40	3.46	+0.25	1.48	2.0	10	6	7	18	s.	E. B. Wilson.
Shelbyville	Shelby	825	34	32.8	− 2.2	66	18	− 3	28	35	5.46	+1.57	2.22	3.0	11	11	6	14	n.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	21	34.4	− 0.8	65	18	0	26†	46	5.50	+1.10	2.05	0.8	11	13	3	15	s.	R. D. Bourne.
Tyrone, Lock 5	Anderson	476	5	.....	.....	.....	.....	.....	.....	.....	6.13	.....	3.14	.....	10	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	20	33.0	− 0.5	65	18†	− 1	25	40	4.20	+0.69	1.42	1.5	13	9	5	17	nw.	Mrs. E. S. Humlong.
Woodbury, Lock 4	Butler	533	6	.....	.....	.....	.....	.....	.....	.....	8.99	.....	4.15	0.5	10	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	531	5	37.6	.....	76	18	7	26†	38	4.75	.....	1.80	.....	8	12	0	19	w.	W. B. Shaw.
Beattyville	Lee	650	19	36.4	+ 0.7	74	17	4	26	47	6.03	+1.70	2.92	T.	11	5	4	22	n.	Mrs. Sabina E. Hall.
Berea	Madison	1070	20	37.3	+ 0.7	73	18	4	26	38	8.21	+3.84	4.47	1.0	14	11	8	12	s.	Frank Montgomery.
College Hill, Lock 11	Madison	576	11	.....	.....	.....	.....	.....	.....	.....	5.86	+1.12	2.30	.....	12	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	684	6	.....	.....	.....	.....	.....	.....	.....	6.18	.....	3.30	0.5	10	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	35	.....	.....	.....	.....	.....	.....	.....	4.46	+1.11	2.00	1.0	10	12	3	16	w.	J. V. Oldham.
Farmers	Rowan	668	14	*37.0	+ 1.9	77[a]	18	− 2[a]	21†	44[a]	4.77	+0.58	1.80	.....	7	14	3	14	sw.	Mrs. Edna Tinsley.
Ford, Lock 10	Clark	559	6	.....	.....	.....	.....	.....	.....	.....	5.57	.....	2.55	2.5	9	.....	.....	.....	.....	John A. Walters.
Harlan	Harlan	1197	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heidelberg, Lock 14	Lee	620	5	.....	.....	.....	.....	.....	.....	.....	5.78	....	2.15	.....	10	.....	.....	.....	.....	S. C. Cole.
Jackson	Breathitt	776	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Louisa	Lawrence	584	17	.....	.....	.....	.....	.....	.....	.....	4.72	+1.22	1.80	.....	7	.....	.....	.....	.....	Rossian Copley.
Maysville	Mason	524	26	32.2	− 1.6	70	19	− 5	25†	41	4.26	+0.50	2.04	0.5	9	11	5	15	sw.	Perry E. Bennett
Middlesboro	Bell	1128	26	41.8	+ 3.9	72	18	12	26	37	8.79	+4.01	3.31	.....	9	16	8	7	.....	B. H. Perkins.
Mount Sterling	Montgomery	960	34	33.8	− 1.1	71	18	3	26	40	5.73	+1.40	2.42	1.5	10	15	3	13	w.	W. R. McKee.
Oliver, Lock 9	Greenup	540	4	.....	.....	.....	.....	.....	.....	.....	4.10	.....	1.72	0.5	9	.....	.....	.....	.....	M. W. Kinner.
Onconta, Dam 35	Campbell	443	2	.....	.....	.....	.....	.....	.....	.....	3.26	.....	1.23	3.0	6	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	18	.....	.....	.....	.....	.....	.....	.....	4.22	+0.35	0.96	T.	10	.....	.....	.....	.....	Robert Repass.
Rockcastle, Lock 12	Estill	593	3	.....	.....	.....	.....	.....	.....	.....	6.22	.....	3.15	.....	5	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	29	37.1	0.0	75	18	5	21†	38	6.22	+2.27	2.50	0.3	11	15	3	13	.....	J. W. Crooke.
Sargent	Letcher	1235	1	40.4	.....	76	17	10	21	39	4.00	.....	0.90	T.	6	18	2	11	ne.	A. K. Williams.
Wallace, Lock 9	Madison	541	8	.....	.....	.....	.....	.....	.....	.....	7.50	+3.00	3.04	.....	12	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	7	.....	.....	.....	.....	.....	.....	.....	3.66	.....	1.70	0.5	6	.....	.....	.....	.....	Samuel Johnson.
Williamsburg	Whitley	939	26	38.8	+ 0.5	79	18	7	26	36	4.80	+0.93	2.15	T.	8	21	6	4	.....	Lawrence K. Uhl.
Willow, Lock 13	Lee	641	2	.....	.....	.....	.....	.....	.....	.....	6.87	.....	3.51	.....	6	.....	.....	.....	.....	Shelby Angel.
State averages and extremes		.....	.....	35.9	.....	79	18	− 9	28	57	5.97	....	6.16	1.2	9	13	5	13	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. ** Record too late to be included in means and summaries. T Precipitation is less than 0.01 inch.
† Last office addresses. Lock 7, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.
‡ Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
§ Lone Oak.

Rivers:—The floods in tributary streams caused a moderate rise in the Ohio about the middle of the month, followed by a quick decline and rapid ice formation during the cold weather. Navigation above Louisville was practically suspended by the 29th.

Daily Precipitation for December, 1924

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G			.60	.10	1.90	.95							.02		.10			.10				.10	.2							
Blandville	M			.62		.22	3.81	.73								.15			.30				.21	.22							
Calhoun	G				.69	T.	1.34	2.12						T.		*			*				*	.76							
Earlington	G			.02			2.50	3.82								.15			.02				.02	.30							
Greenville	G		T.	.70	.17	2.70	2.63									.18			.20				.05	.50							
Hopkinsville	C			.78	.04	2.62	2.16									.24	T.		.50				.03	.20							
Marion	O			.64		T	98	1.85								.09			.69				.25								
Mayfield	M		.15	.60	T.	1.15	3.45									.20							.30	T							
Owensboro	O	.10	T.	.52	T.	2.10	1.12							T.		.09			.12	T.			.48	.07							
Paducah (near) ¶	O			.75		3.00	2.00									.15			.35				.10	.10							
Paducah	O			.57		1.42	2.20	.10								.08			.17				.10	.10							
Princeton	G	T.	T.	.55	.01	3.45	2.60						T.			.26	T.		.12				.11	.25							
Ramsey Lock No. 2	G			.63		.72	2.58	.06								.07	T.		.12	T.			.10	.30							
Russellville	G			.88		2.00	4.90	.02								.12	.12		.05				.04	.50							
Central Division																																
Anchorage	O	.11		.74		1.38	1.85								.07																
Bardstown	S			.98		2.00	2.35									.05							.63	.19							
Bowling Green	B			1.00	2.15	6.15		.15								.16			.12				.09	.43							
Bowling Green, No. 2	G			.93		2.17	6.10	.07								.10	.65		.05				.20	.72	.02						
Brownsville, Lock No. 6	G			1.10		2.72	5.79	.08								.24	.07		.04	.07			.04	.66							
Burnside	C			.60		1.90	3.64	.40								.51	.20		.02	T.			T.	.70	T.						
Carrollton (Lock No. 1)	K	.06	T.	.96		.50	2.42	.07								T.	.02		T.				T.	.90	T						
Closerport	O	T.	T.	.80		1.32	2.13	.01							T.	.11	.01	.01	.15				.06	.32							
Dix Dam, Burgin	K	.05	T.	.78	T.	2.93	1.69	.65	T						.01	T.	.07	T.	.07				.03	.41							
Eubank	C					2.37	3.40	.45															.07	.66	T.						
Frankfort	K	.08	T.	.96	T.	1.10	3.13	.08								.38						T.	T.	.65							
Franklin	G			.85	.09	3.01	1.80								.07		.05		.08	T.			T.	.50	T.				T.	T.	
Gest, Lock No. 3	K	.14	T.	.90	.04	.68	2.10	.12								.18						.02	.88								
Glasgow	G			.60	.50	2.00	1.24								.06	.18		.08	T.			T.	.40								
Greensburg	G	T.		.61	.07	3.65	1.76	.04						T.		.28			.12				.07	T.							
High Bridge, Lock No. 7	K	.06		.93		1.21	3.19	.33							.05	.58			.10	T.			.09	.88							
Irvington	O	.08		.69	T.	1.15	2.05							T.		.12	.02	T.	.08	T.			T.	.67							
Junction City	K					5.60	2.60	.14					T.			.30	T.		.16	T.	T.		T.	.80	T.						
Leitchfield	G	T.		.82		2.60	3.40									.13			.14				.45	.25							
Lexington ***	K	.03		.88	.01	2.85	1.06								.06	.11			.01				.32	.22							
Little Beckman, Lock No. 8	K	T.		.70		.81	2.33	.28						T.		.05	T.		.12				T.	.85	T.						
Lockport, Lock No. 2	K	.07		.92		.55	2.05	.04								.08			.07	T.	T.	T.	T.	.20							
Louisville ***	O	.08	.30	.36	.01	1.52	1.23								.02	.08			.07	T.	T.	T.	T.	.20							
Do (Cherokee Park)	O	.10		.80	.02	.94	2.31								.06	.06			.10	T.			.16	.22							
Munfordville	K			.84		1.74	3.80						T.	.12		.13			.12				*	.47							
Pitcher Dam 43	O	.10		.66		.70	2.36	.09								.46								.70							
St. John	S	.10		.96	.05	1.69	3.30						T.		.13	.04	T.	T.	.10				T.	.46	T.						
Selvsea, Lock No 6	K			.56		1.00	3.75						T.	T.	T.					T.				.40	.05						
Scott	L	.01		.71		.36	1.49					T.		T.		.10			T.				T.	.62							
Shelbyville	S	.07		.78	.01	1.52	2.22	.07							T.	T.	.06	.01	.30				.07	.30			.15	T.			
Taylorsville	S	.12		.87	.02	1.61	2.05	.08						.10	T.	.08			.27	T.			.10	.24							
Tyrone Lock No. 5	K	.03	.99		1.02	3.14	.03	T.						.02	T.	.16			.08	T.			.05	.43		T					
Williamstown	L	.06		.88	.05	1.02	1.42	.11						.01		.09	.03	.01	.15				.03	.27							
Woodbury, Lock No. 4	G			.81		2.65	4.15	.08								.57	12		.10	.02			.02	.47							
Eastern Division																																
Ashland	O		.10	.40	.20	.95	1.80	.35								.35							.60								
Beattyville	K	.01	.56		1.16	2.92	.60					.01			.04	.19							T.	.49	.02					.02	
Berea	K	.04	.59	T.	4.47	1.79	.09							.03	.02	.20	.01		.07				.06	.55					.04	.25	
College Hill, Lock No. 11	K	.05	T.	.58		1.50	2.30	.50							.05		.10		.05	.05			.05	.60	.50					T.	
Cynthiana	L	.04	.06	1.06		.71	3.30	.31						T.		.24	.03	.02						.44	T.						
Falmouth	L	T.	.15		.95		.70	2.00	.05					T.		.08	.02	.10	.01					.40							
Farmers	K	T.	T.	.76	T.	1.07	2.58	.39							.04	.07		.03					T.	.50	.02					T.	
Ford, Lock No. 10	K																															
Harlan	K																															
Heidelberg, Lock No. 14	K	.02	.44			1.30	2.15	.68								.17	T.		.07				.88	.05					.02	
Jackson	K																															
Louisa	B																															
Maysville	O	T.	.04		.94	T.	1.80	1.00			.10					.24				.04			.64								
Middlesboro	C			.75	.25	.48	3.33			.04													.34	T.							
Mount Sterling	L	.21	T.	.61	.02	2.42	2.15							.14	.05		.04						.04	1.00					1.40	1.50	
Oliver, D. in 30	O	.05		.30		.51	1.72	.36								.02		.09					.03	.06							
Oneonta Dam 35	O	T.	T.	.88		.20	1.23	.31															.42	.03							
Pikeville	B	T.		.08	.22	.52	.76	.72							T.		.18		.06				.50	.28	T.						
Ravenna, Lock No. 12	K			.30		2.60	3.15	.42						T.	T.	T.							.35								
Red mond	K	.10	.55		T.	2.00	2.50	.03					T.	.05	.25				.02			.10	.50					T.		
Sergent	K	.20	.50	.50	.50											.10							.50	T.							
Valley View, Lock No. 9	K	.10		.75	.01	3.04	1.58	T.						.27		.27			.08				.05	.85					.02	.08	
Vanceburg, Dam No. 32	O	.06		.64		1.40	1.70	.18															.05								
Williamsburg	C			.64		.20	2.15	.75								.13			.13				.61	T.					T.		
Willow, Lock No. 13	K			.51		1.34	3.51	.38								.15							T.	.88	T.						

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for December, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	37	49	60	59	53	60	64	45	41	53	61	59	58	43	61	65	69	75	70	23	27	36	35	37	31	35	37	30	41	46	44	48.5
	Minimum	16	13	33	41	30	50	20	28	20	23	31	41	42	25	27	51	60	62	20	17	17	10	22	20	2	2	3	2	4	27	35	25.6
Blandville	Maximum	36	46	58	62	54	59	65	41	33	51	63	59	44	63	69	65	69	66	17	23	26	38	31	14	31	30	11	38	45	45	45	45.9
	Minimum	18	17	38	46	34	32	54	39	26	20	25	32	37	27	30	57	43	41	9	4	6	11	22	12	2	3	8	5	3	29	24	24.0
Calhoun	Maximum	36	40	50	59	59	57	61	63	..	..	..	58	58	42	..	..	..	..	..	..	..	..	..	..	15	27	27	23	36	40	40	*43.9
	Minimum	20	14	32	43	41	31	56	55	..	..	..	32	42	27	..	..	..	..	..	..	..	..	..	..	4	4	4	5	2	27	35	*24.9
Earlington	Maximum	38	47	53	58	58	56	61	64	50	35	49	61	58	41	62	67	67	74	69	18	22	29	34	34	17	31	33	20	38	45	43	46.2
	Minimum	20	17	36	49	41	32	56	50	29	20	25	31	41	25	29	55	52	46	14	7	9	12	24	19	1	0	11	3	3	31	32	26.2
Greenville	Maximum	42	44	50	59	58	63	61	58	53	36	50	59	56	48	59	65	64	67	47	17	5	7	10	5	7	5	2	8	4	1	29	34	23.2
	Minimum	17	11	34	38	39	27	53	51	27	17	21	30	42	22	25	51	55	47	17	5	7	10	5	7	5	2	8	4	1	29	34	23.2
Hopkinsville	Maximum	40	47	54	68	61	54	64	65	54	39	51	61	59	45	64	65	74	75	67	21	22	30	36	34	21	32	36	26	39	49	45	48.4
	Minimum	19	17	30	40	39	30	42	51	28	20	24	27	42	24	30	54	62	54	18	7	9	12	24	20	6	5	11	1	7	29	34	26.2
Marion	Maximum	42	43	47	58	54	50	64	64	62	54	45	56	61	61	60	65	67	68	70	18	19	25	32	32	32	26	23	32	30	30	40	43	46.6
	Minimum	19	19	38	44	39	34	49	55	27	19	27	34	46	36	27	56	45	43	18	5	6	12	22	20	0	5	15	6	3	30	33	46.6
Mayfield	Maximum	41	46	55	60	61	57	64	66	49	40	60	60	58	43	63	69	70	70	74	20	23	32	32	34	32	28	28	39	39	48	42	48.5
	Minimum	20	28	34	43	40	32	55	48	28	21	24	26	42	29	31	55	52	48	17	2	2	20	29	18	5	13	25	2	12	30	32	27.5
Owensboro	Maximum	30	46	47	58	55	56	62	59	48	34	45	56	56	35	56	65	64	72	63	15	20	30	33	33	19	25	23	13	36	48	39	43.1
	Minimum	18	15	30	41	39	30	45	42	25	20	25	29	32	29	29	32	45	42	15	5	6	15	22	18	6	5	7	9	0	29	31	22.4
Paducah (near)	Maximum	46	42	50	60	61	57	63	62	52	42	47	58	59	58	59	68	67	75	67	25	27	30	33	30	28	28	26	34	42	45	47.7	
	Minimum	18	17	38	45	39	30	56	50	28	21	27	34	44	35	29	55	45	43	16	7	8	13	24	20	2	0	12	0	5	29	32	26.5
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Princeton	Maximum	37	46	55	58	56	55	60	63	55	36	49	61	56	44	62	67	67	71	67	20	22	29	33	33	20	30	31	25	37	45	42	46.2
	Minimum	19	17	35	43	39	29	54	55	28	21	23	28	44	25	29	54	53	47	19	7	8	13	25	20	1	2	7	4	5	31	34	26.0
Russellville§§	Maximum	37	47	51	60	49	65	65	64	41	38	48	59	62	40	63	66	74	73	35	21	23	33	37	27	18	35	35	22	44	41	38	45.3
	Minimum	18	14	17	38	44	31	46	53	30	22	22	25	33	26	29	36	61	55	35	9	8	11	14	26	8	7	12	2	2	14	38	25.3
Central Division.																																	
Anchorage	Maximum	34	44	42	55	53	55	60	63	45	35	46	55	55	42	50	63	66	64	62	20	22	31	34	33	21	31	32	21	39	42	36	43.6
	Minimum	9	11	26	34	38	31	41	45	27	20	20	25	32	23	23	36	52	48	18	7	7	18	32	8	6	2	4	8	3	27	31	21.1
Bardstown	Maximum	33	45	43	60	57	57	61	64	46	39	47	55	55	39	55	66	73	69	64	33	22	34	35	35	21	35	34	26	40	42	40	45.9
	Minimum	15	13	28	38	45	30	55	45	25	26	22	28	23	25	25	46	62	57	22	9	7	10	20	20	2	1	0	1	10	31	31	25.2
Bowling Green	Maximum	38	42	47	61	56	61	65	68	55	36	45	56	56	44	62	64	75	68	64	22	25	28	37	36	25	30	37	31	45	44	43	47.4
	Minimum	18	15	30	33	41	33	53	46	30	21	20	31	42	23	25	53	54	53	22	10	9	12	22	22	6	7	15	4	10	31	34	27.3
Dix Dam	Maximum	31	45	43	59	58	58	59	61	59	39	46	55	56	42	53	63	73	70	66	27	21	32	36	35	26	33	38	29	45	43	42	46.6
	Minimum	19	12	27	33	42	33	52	55	30	26	24	31	41	26	25	48	50	51	29	11	8	11	21	25	7	6	13	8	10	28	31	27.3
Eubank	Maximum	30	43	43	59	58	47	60	65	58	54	55	54	54	43	57	61	70	70	65	30	23	30	37	37	34	38	36	33	40	42	43	47.4
	Minimum	18	12	28	30	44	33	50	54	40	32	40	42	42	25	25	48	50	51	29	11	9	11	20	25	5	17	16	9	10	21	30	28.4
Frankfort	Maximum	32	43	44	55	56	57	60	62	61	37	44	54	56	43	47	64	68	66	66	27	20	28	35	35	27	29	32	30	40	42	41	45.2
	Minimum	18	12	26	36	43	34	52	56	30	27	25	30	42	26	24	36	60	53	26	10	8	10	21	26	5	10	8	5	8	30	31	26.6
Franklin	Maximum	37	45	47	60	56	67	67	67	63	55	38	49	56	56	38	61	64	68	65	26	24	34	38	35	27	35	37	32	44	43	42	49.2
	Minimum	17	18	16	40	45	32	34	54	29	21	25	35	36	32	26	55	55	54	18	8	7	11	25	20	2	2	15	3	6	32	33	26.7
Glasgow	Maximum	32	43	45	59	56	54	62	62	48	34	46	55	57	39	55	62	65	68	62	27	21	30	35	35	24	35	40	28	47	45	40	47.2
	Minimum	17	19	36	42	42	34	54	48	28	21	26	32	39	28	27	51	55	55	18	8	7	11	25	20	2	2	15	3	6	32	33	26.7
Greensburg	Maximum	34	44	42	55	53	55	60	63	46	39	47	55	59	58	55	63	62	72	64	23	21	33	35	35	24	35	40	28	47	45	40	47.2
	Minimum	32	45	44	61	59	59	61	65	59	38	47	55	59	58	55	63	62	72	64	23	21	33	35	35	24	36	40	28	47	45	40	47.2
Irvington	Maximum	32	45	44	61	59	59	61	65	59	38	47	55	59	58	55	63	62	72	64	23	21	33	35	35	24	35	40	28	47	45	40	47.2
	Minimum	14	8	21	31	37	27	33	51	29	26	20	30	31	27	22	43	59	52	23	10	6	7	17	24	6	3	7	5	14	9	15	20	31	27.0
Junction City	Maximum	33	43	43	59	55	54	60	60	50	51	47	56	49	40	57	63	71	68	62	29	22	32	34	34	20	31	33	26	41	43	42	45.1
	Minimum	17	16	33	39	39	32	54	50	28	22	28	31	40	27	26	51	64	68	67	63	16	17	29	35	34	14	29	30	19	41	42	33	42.3
Leitchfield	Maximum	27	42	44	58	56	57	59	64	37	33	42	56	54	29	51	64	68	67	63	16	17	29	35	34	14	29	30	19	41	42	33	42.3
	Minimum	16	19	31	40	35	34	57	37	25	23	24	33	39	24	23	51	61	55	15	9	5	12	25	10	3	6	11	4	13	35	28	25.6
Lexington	Maximum	32	44	45	56	53	56	61	62	37	35	45	58	58	34	50	66	66	65	63	18	20	27	35	32	15	28	31	16	39	42	37	42.8
	Minimum	16	19	31	40	35	34	57	37	25	23	24	33	39	24	23	51	61	55	15	9	5	12	25	10	3	6	11	4	13	35	28	25.6
Louisville	Maximum	32	44	45	56	53	56	61	62	37	35	45	58	58	34	50	66	66	65	63	18	20	27	35	32	15	28	31	16	39	42	37	42.8
	Minimum	21	18	35	39	41	35	56	37	26	24	27	34	34	26	25	46	48	48	15	8	5	14	24	21	9	1	8	9	3	6	32	28	24.9
Do. (Cherokee Park)	Maximum	31	42	44	54	54	54	60	62	55	35	46	54	57	31	56	63	66	65	63	19	19	28	35	27	17	28	26	17	37	40	32	42.3
	Minimum	18	15	33	37	43	34	51	55	29	26	28	37	46	29	26	50	64	70	65	65	52	20	21	30	34	33	34	29	34	28	43	45	46	46.3
St. John	Maximum	33	43	43	43	54	60	61	62	59	49	50	55	55	60	64	70	65	65	52	20	21	30	34	33	34	29	34	28	43	45	40	46.3
	Minimum	16	12	30	30	27	29	53	42	27	18	20	24	29	35	39	59	54	36	19	7	5	9	12	10	6	4	2	2	9	11	9	27	33	22.6
Scott	Maximum	28	40	39	48	51	50	58	60	54	34	43	50	54	36	43	64	64	61	61	21	24	35	47	44	21	6	3	10	19	20	3	6	11	2	1	11	6	21	26	22.6
	Minimum	14	10	20	35	38	35	50	54	27	24	23	28	36	22	24	35	47	44	21	6	3	10	19	20	3	6	11	2	1	11	6	21	26	22.6
Shelbyville	Maximum	34	41	41	54	49	55	58	58	50	34	42	57	52	45	43	63	62	66	56	27	18	30	34	35	18	30	27	24	34	40	37	42.7
	Minimum	14	11	29	35	38	31	53	51	27	25	22	32	38	24	23	53	53	53	23	7	6	8	19	7	2	0	9	3	6	30	29	23.0
Taylorsville	Maximum	32	42	42	55	55	51	60	61	61	34	42	58	58	43	47	64	64	65	64	26	21	26	35	35	27	28	31	28	35	41	40	44.2
	Minimum	17	10	27	32	43	30	56	55	31	24	23	25	43	26	23	36	59	49	14	9	8	10	20	22	5	6	12	5	6	27	32	24.5
Williamstown	Maximum	29	41	40	49	54	52	57	58	58	33	41	50	52	38	43	63	61	66	65	29	26	35	38	39	26	30	28	28	39	39	39	42.4
	Minimum	13	11	30	35	38	34	50	54	26	23	22	29	36	23	23	36	51	48	25	6	2	8	18	21	1	0	12	0	4	31	26	23.7
Eastern Division.																																	
Ashland	Maximum	34	39	40	49	68	65	61	67	67	48	46	53	60	48	44	70	74	76	73	46	22	28	33	33	36	37	39	36	45	44	41	48.9
	Minimum	13	13	23	32	35	35	50	52	42	24	24	30	46	26	27	32	57	42	43	15	9	10	17	16	2	6	7	14	7	9	29	32	26.4
Beattyville	Maximum	31	38	43	63	68	60	59	67	60	40	49	57	58	45	51	63	74	70	67	27	27	35	37	29	39	43	34	49	44	42	48	46.9
	Minimum	16	9	17	29	34	28	54	51	33	27	17	28	44	28	28	53	55	58	56	62	72	73	64	28	20	33	38	38	24	33	37	33	46	44	41	46.9
Berea	Maximum	30	45	45	60	62	59	60	66	58	34	46	53	55	38	56	62	72	73	64	28	20	33	38	38	28	24	33	37	33	36	44	41	48.4
	Minimum	15	12	34	40	48	33	59	54	31	25	21	34	38	26	23	51	61	58	28	11	7	7	19	24	7	4	20	6	8	32	31	27.7
Farmers	Maximum	33	48	45	55	66	65	65	64	36	45	56	57	44	56	65	75	77	66	36	27	33	37	43	26	31	..	32	48	48	48	*49.9	
	Minimum	18	15	16	30	36	28	56	53	30	25	17	25	41	24	19	29	60	44	33	11	2	12	22	22	12	2	4	4	24	24	24	*24.2
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Jackson	Maximum	36	26	39	41	49	61	57	63	60	36	32	45	56	50	29	54	67	68	70	53	17	15	27	35	31	15	26	32	35	35	41	42.0
	Minimum	16	10	11	34	36	30	37	54	32	28	23	22	28	25	26	27	54	42	44	12	5	5	15	26	5	3	12	5	4	27	31	22.4
Maysville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Harlan	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Middlesboro	Maximum	42	44	45	58	65	62	65	65	62	50	48	52	56	58	50	60	70	72	70	57	32	30	32	40	37	35	40	39	40	48	44	50.6
	Minimum	28	22	28	35	42	36	56	50	42	35	30	35	40	29	29	44	64	70	71	63	26	19	24	35	31	18	20	20	22	42	43	35	38	32.9
Mount Sterling	Maximum	29	40	41	54	62	59	65	58	48	33	43	54	40	29	49	64	70	71	63	26	19	24	35	31	18	22	23	18	31	36	37	42.9		
	Minimum	15	10	25	35	39	30	49	47	29	25	20	43	27	24	20	46	46	54	28	12	4	6	22	23	22	37	39	28	29	38	32	49	45	41	47.5
Richmond	Maximum	31	45	43	61	62	63	61	59	61	44	44	53	54	42	52	61	72	75	65	32	23	32	37	39	28	29	38	32	49	45	41	47.5
	Minimum	15	13	29	40	36	49	58	54	28	24	24	36	30	24	22	40	61	54	27	10	5	8	20	23	5	5	15	6	20	20	20	20	26.7
Sergent	Maximum	35	48	48	62	66	63	60	57	62	61	56	65	59	57	62	63	76	75	68	52	34	35	45	45	30	40	43	33	45	40	40	51.9		
	Minimum	22	10	18	31	33	30	56	53	30	27	22	25	44	40	26	55	75	44	20	19	14	15	36	32	19	15	36	10	19	17	13	26	25	29.0
Williamsburg	Maximum	35	48	45	59	70	60	70	67	60	39	51	59	58	48	56	59	76	79	67	38	26	32	42	39	32	40	42	43	41	43	43	50.6		
	Minimum	17	13	22	30	37	28	49	53	33	26	21	29	41	28	23	48	56	43	36	15	9	9	18	30	12	7	12	14	13	29	34	26.9		

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* ... ate, indicate respectively 1, 2, 3 ... days missing from record.

W. B. O. Louisville, 1-2-25.

UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

MAR 19 1925

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXIX LOUISVILLE, KY., ANNUAL, 1924. No. 13

GENERAL SUMMARY.

The temperature for the year averaged somewhat below normal, but there was marked variation in the monthly means. Decidedly cold weather predominated from January to March, inclusive, interspersed at rather frequent intervals with short periods of unseasonable warmth. The soil was saturated by heavy rains early in January and remained so until spring, hence the frequent heaving freezes caused extensive damage to winter wheat on clay uplands, and seriously injured clover, timothy, alfalfa, and bluegrass. Winter weather in March prevented growth, but kept fruit in a dormant condition. Warm and comparatively dry weather in April favored progress in spring work; but cold, rainy conditions in May and persistent rains in June interfered greatly with getting out the crops and with early cultivation. Slow growth of plants delayed tobacco setting and reduced the available supply, lessening the acreage and contributing to the late maturity of a large proportion of the crop. Corn could be planted only on occasional days, and was not all in until July. As a result much of it was ruined by frost. The total precipitation was much less than normal, due mainly to extended periods of deficiency from February to April and in the last half of the year. The cool, dry weather in July did not properly advance the late planted crops; but was favorable for harvest and threshing. Areas affected by drought appeared during the month in the northern half of the State. August, although dry, was more favorable as to temperature. Drought became well established in the Green River Valley and the northern bluegrass. The heavy rains in September occurred mainly over the mountain section, leaving most of the agricultural district relatively dry. Unseasonably low temperature in this month delayed the maturity of late crops, and was therefore partly responsible for the heavy losses from frost later on. October was warm and almost rainless. Drought became much worse in all districts, causing serious inconvenience. Late crops in the southern half of the State were badly damaged by frost on the 1st. Most of the late potato areas, which are located in the northern counties, escaped with slight injury. Early wheat and rye sown for pasture grew fairly well; but late wheat failed to germinate until the rains relieved the drought conditions near the middle of November. Pastures dried up early in the fall, making general feeding necessary. Farmers utilized much partly ripe and frosted corn for this purpose, as well as in filling silos. The water supply remained inadequate until the heavy rains early in December. When these fell there was little or no running water in any except the larger streams. Sharp changes in temperature in December from unseasonable warmth to cold of mid-winter severity caused some damage to wheat. Except for two weeks in the first half of December, conditions during the late fall and early winter were not favorable for handling tobacco.

THE WEATHER BY MONTHS.

JANUARY.—Sharp cold waves alternated with brief periods of moderate temperature, resulting in considerable damage to grains from freezing and thawing. Heavy to excessive rains early in the month caused floods that covered low bottoms and washed away some corn and fodder. The dry, cold, windy weather that prevailed between rains was very unfavorable for handling tobacco.

FEBRUARY.—Long periods of cold weather with severe freezes alternated with short periods of relatively high temperature that caused complete thaws. Winter grains, clover, timothy and even bluegrass were lifted out of the ground to an unusual degree. Precipitation was light, but the soil remained saturated because of frequent freezes.

MARCH.—Mid-winter conditions prevailed during most of the month, with frequent freezes and thaws that caused further injury to wheat, clover and alfalfa. Although less than normal in amount, the frequency of precipitation prevented much outdoor work. During a few warm days near the end of the month many tobacco beds were sown and plowing was commenced.

APRIL.—Low temperature at the beginning delayed germination of tobacco seed. Many beds were sown during the first week. Precipitation was comparatively light, the soil worked well, and progress in preparation for planting was rapid. Extensive winter-killing of wheat, timothy, clover, and alfalfa became apparent as growth started. A good stand of young clover was obtained.

MAY.—Cold weather, cloudiness, and frequent showers combined to produce a very unfavorable month. Little progress could be made in preparing soil and planting corn. By taking advantage of every favorable day, farmers succeeded in planting about half of the corn crop. Setting tobacco commenced about two weeks late because of slow growth of plants. Poor germination caused extensive replanting of corn and cotton.

JUNE.—Temperatures were seasonable after the first week, but persistent rains hindered farm operations. Corn planting

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature. Mean.	Departure*	Highest.	Lowest.	Precipitation. Average.	Departure.
1889	55.6	−0.7	101	3	35.97	− 9.16
1890	57.1	+0.8	101	4	58.82	+13.69
1891	56.3	0.0	105	0	49.09	− 4.56
1892	55.3	−1.0	101	− 6	44.25	− 0.88
1893	55.5	−0.8	101	− 22	41.71	− 9.12
1894	55.1	+0.8	105	−12	34.81	−10.32
1895	55.0	−1.3	104	−18	38.47	− 6.66
1896	57.6	+1.3	106	−12	44.68	− 0.45
1897	57.2	+0.9	107	−16	46.72	+ 1.59
1898	57.2	+0.9	103	−12	52.28	+ 7.75
1899	56.4	+0.1	105	−33	46.38	+ 1.29
1900	57.7	+1.4	104	− 9	44.40	− 0.74
1901	55.3	−1.0	102	−22	35.65	− 9.48
1902	56.5	+0.2	107	− 3	44.35	− 0.78
1903	55.8	−0.5	104	−16	41.16	− 3.97
1904	55.3	−1.0	100	− 9	35.10	−10.03
1905	55.8	−0.5	106	−16	47.68	+ 2.55
1906	57.0	+0.7	100	−12	48.84	+ 3.71
1907	56.1	−0.2	102	−11	47.76	+ 2.63
1908	57.5	+1.4	104	2	41.94	− 3.18
1909	56.9	+0.2	104	−14	51.56	+ 6.23
1910	55.3	−1.0	100	−20	50.67	+ 5.34
1911	58.0	+1.7	106	−16	46.77	+ 1.64
1912	54.6	−1.7	100	−20	47.93	+ 2.80
1913	57.9	+1.6	109	− 2	47.46	+ 2.33
1914	56.3	0.0	109	−16	41.80	− 3.33
1915	56.2	−0.1	102	0	51.92	+ 6.79
1916	56.2	−0.1	102	−14	48.49	+ 3.36
1917	55.5	−0.8	102	21	46.01	+ 0.88
1918	56.5	0.2	111	−20	40.64	− 4.49
1919	57.9	1.6	104	1	52.45	+ 7.32
1920	57.5	1.2	103	− 6	55.90	+ 10.77
1921	56.1	−0.2	108	11	39.42	− 5.71
1922	58.5	2.2	103	1	44.46	− 0.70
1923	57.1	+0.8	99	− 4	53.99	+ 8.83
1924	55.0	−1.5	103	− 9	42.58	− 2.58

*Compared with 35 years' normal.

Climatological Data for the Year 1924.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number of days				Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION																				
Beaver Dam	Ohio	441	20						21	35.35	5.59	May	0.60	Oct.	13.2	87	221	62	83	n.
Blandville	Ballard	445	43	55.1	92	June 28†	— 5	Jan. 5†	46	41.26	6.30	Dec.	0.31	Oct.	10.7	101	143	103	120	sw
Calhoun	McLean	437	21	55.2	98	Aug. 30†	— 5	Dec. 28	21	37.62	4.97	May	0.68	Aug.	8.0	.....	[m]114	[m]162	[m] 77	nw.
Earlington	Hopkins	420	34	56.4	102	Aug. 30	— 3	Jan. 5†	34	40.28	7.43	Dec.	0.97	Oct.	4.0	99	226	35	105	sw.
Greenville	Muhlenburg	519	8	55.3	102	Aug. 21	— 5	Jan. 5†	8	41.96	6.96	Dec.	0.23	Oct.	.....	97	209	72	63	s.
Hopkinsville	Christian	524	28	57.0	101	Aug. 30	— 3	Jan. 6	28	45.84	6.49	Dec.	0.33	Oct.	4.2	102	155	66	145	se.
Marion	Crittenden	571	26	56.6	95	Aug. 31	— 6	Dec. 28	26	39.81	5.97	Aug.	0.22	Oct.	6.0	77	170	81	115	nw.
Owensboro	Daviess	479	28	54.5	97	Aug. 30	— 9	Dec. 28	28	32.11	5.00	May	0.10	Oct.	3.5	101	186	60	120	s.
Paducah (near)	McCracken	516	7	57.1	98	Aug. 4†	— 8	Jan. 5	7	44.41	6.75	May	0.35	Oct.	7.9	91	256	49	81	s.
Paducah	McCracken	341	.....	.....	.....	.....	.....	.....	36	40.47	7.55	June	0.18	Oct.	8.2	91	.....	.....	.....	.....
Princeton	Caldwell	529	14	55.8	98	Aug. 30	— 4	Dec. 28	17	41.49	7.35	Dec.	0.18	Oct.	12.8	112	132	114	120	s.
Ramsey, Lock 2	McLean	344	.....	.....	.....	.....	.....	.....	1	37.90	5.06	May	0.67	Aug.	5.4	81	.....	.....	.....	.....
Russellville	Logan	550	12	55.3	100	Aug. 30	— 4	Jan. 6	12	41.61	8.72	Dec.	0.56	Oct.	.....	93	[j]215	[j]37	[j]104	s.
CENTRAL DIVISION.																				
Anchorage	Jefferson	760	24	53.0	98	Aug. 31	— 8	Dec. 25†	24	36.31	4.63	May	0.14	Oct.	12.9	96	185	53	128	sw.
Bardstown	Nelson	637	28	55.0	98	Aug. 30†	— 5	Jan. 6	28	40.66	6.13	Dec.	0.17	Oct.	.....	99	161	82	173	sw.
Bowling Green	Warren	500	34	57.3	102	Aug. 21†	— 3	Jan. 6	35	52.94	10.74	Dec.	0.03	Oct.	3.5	106	191	89	86	w.
Brownsville, Lock 6	Edmonson	410	.....	.....	.....	.....	.....	.....	7	52.61	11.12	Dec	0.40	Oct.	2.0	95	.....	.....	.....	.....
Burnside	Pulaski	778	.....	.....	.....	.....	.....	.....	32	53.29	8.09	Dec.	0.08	Oct.	2.0	106	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	422	.....	.....	.....	.....	.....	.....	25	34.82	4.62	Dec.	0.12	Oct.	.....	128	.....	.....	.....	.....
Cloverport	Breckenridge	375	.....	.....	.....	.....	.....	.....	11	36.64	5.03	Dec.	1.01	Oct.	9.2	116	.....	.....	.....	.....
Dix Dam, Burgin	Mercer	770	1	55.2	98	Aug. 31	— 3	Jan. 6	1	45.03	6.38	Dec.	0.13	Oct.	4.3	128	[a]174	[a] 88	[a]103	w.
Eubank	Pulaski	1,177	30	54.6	99	Aug. 31	— 7	Jan. 6	30	45.01	7.23	Dec.	0.00	Oct.	1.0	92	99	109	158	s.
Frankfort	Franklin	560	31	54.8	94	June 20†	— 3	Jan. 6	35	39.99	6.05	Dec.	0.13	Oct.	3.7	99	182	32	152	w.
Franklin	Simpson	691	29	56.9	103	Aug. 21	— 4	Jan. 6	27	.....	.....	.....	.....	.....	1.9	.....	214	44	108	n.
Frankfort	Franklin	449	.....	.....	.....	.....	.....	.....	12	37.73	5.64	Sept.	0.13	Oct.	.....	107	.....	.....	.....	.....
Gest, Lock 3	Henry	780	3	56.8	101	Aug. 21†	— 5	Jan. 6	3	45.25	8.37	May	0.27	Oct.	3.1	75	193	42	131	n.
Glasgow	Barren	581	32	54.6	93	Aug. 19†	— 4	Jan. 6	36	51.09	7.93	Dec.	0.27	Oct.	3.0	128	113	20	233	n.
Greensburg	Green	550	.....	.....	.....	.....	.....	.....	22	44.53	6.54	Dec.	0.10	Oct.	5.0	107	.....	.....	.....	.....
High Bridge, Lock 7	Jessamine	560	.....	.....	.....	.....	.....	.....	27	38.75	5.70	April	0.36	Oct.	7.5	85	175	68	123	sw.
Irvington	Breckinridge	646	27	55.3	94	Aug. 22	— 5	Jan. 5	31	50.88	9.12	Dec.	0.26	Oct.	7.1	119	162	165	39	se.
Junction City	Boyle	985	31	54.2	98	Aug. 22	— 8	Jan. 6	37	36.81	5.59	Dec.	0.11	Oct.	7.9	125	121	106	139	sw.
Lexington	Fayette	989	37	55.5	94	Aug. 31	— 6	Jan. 6	13	41.55	5.43	Jan.	0.00	Oct.	.....	92	.....	.....	.....	.....
Little Hickman, Lock 8	Jessamine	823	.....	.....	.....	.....	.....	.....	13	33.17	4.95	June	0.31	Oct.	5.2	105	.....	.....	.....	.....
Lockport, Lock 2	Henry	436	.....	.....	.....	.....	.....	.....	52	36.07	6.20	June	0.10	Oct.	8.4	124	117	126	123	s.
Louisville	Jefferson	525	52	54.6	95	Aug. 31	— 7	Jan. 5	15	38.25	5.70	June	0.15	Oct.	9.0	121	117	106	113	s.
Do Cherokee Park	Jefferson	534	15	54.2	92	Aug. 5†	— 6	Jan. 5	2	36.18	4.98	May	0.04	Oct.	4 0	95	.....	.....	.....	.....
Pilcher, Dam 43	Meade	363	.....	.....	.....	.....	.....	.....	27	.....	.....	.....	.....	.....	10.3	.....	226	62	78	.....
St. John	Hardin	777	28	54.0	98	July 21†	— 8	Jan. 6	10	42.38	6.42	Dec.	0.15	Oct.	.....	75	.....	.....	.....	.....
Salvisa, Lock 6	Mercer	490	.....	.....	.....	.....	.....	.....	27	37.56	5.04	June	0.13	Oct.	15.4	130	102	132	132	w.
Scott	Kenton	900	27	52.2	96	Aug. 5	— 6	Jan. 5†	35	41.02	5.98	May	0.43	Oct.	13.8	122	141	63	162	s.
Shelbyville	Shelby	825	35	55.4	96	Aug. 31	— 6	Jan. 6	22	45.17	6.58	July	0.52	Oct.	4.3	120	[b]171	[b] 56	[b]131	sw.
Taylorsville	Spencer	489	22	53.8	95[b]	June 19	3	Jan. 5†	6	36.98	6.13	Dec.	0.36	Oct.	.....	108	.....	.....	.....	.....
Tyrone, Lock 5	Anderson	476	.....	.....	.....	.....	.....	.....	22	31.46	4.96	Jan.	0.59	Oct.	12.7	123	129	114	123	w.
Williamstown	Grant	963	21	53.1	94	July 29†	— 7	Jan. 5†	7	47.65	8.99	Dec.	0.53	Oct	2.5	117	.....	.....	.....	.....
Woodburn, Lock 4	Butler	553	.....	.....	.....	.....	.....	.....												
EASTERN DIVISION.																				
Ashland	Boyd	554	6	54.7	96	Aug. 6	0	Jan. 5	8	46.16	6.05	Aug.	0.20	Oct.	.....	115	.....	.....	.....	sw.
Beattyville	Lee	650	20	55.2	99	June 20	— 3	Jan. 6	22	58.36	7.90	June	0.30	Oct.	2.5	115	75	92	199	w.
Berea	Madison	1,070	21	54.2	92	Aug. 5	— 5	Jan. 6	21	54.04	8.21	Dec.	0.19	Oct.	10.2	147	116	112	138	sw.
College Hill, Lock 11	Madison	576	.....	.....	.....	.....	.....	.....	12	46.46	6.41	Jan.	0.05	Oct.	.....	127	.....	.....	.....	.....
Cynthiana	Harrison	684	.....	.....	.....	.....	.....	.....	7	40.91	8.10	Sept.	0.03	Oct.	.....	101	.....	.....	.....	.....
Falmouth	Pendleton	690	.....	.....	.....	.....	.....	.....	36	30.68	4.63	Jan.	0.12	Oct.	6.0	99	173	54	139	s.
Ford, Lock 10	Clark	559	.....	.....	.....	.....	.....	.....	7	42.51	6.15	Sept	T	Oct.	5.3	111	.....	.....	.....	.....
Heidelberg, Lock 14	Lee	629	.....	.....	.....	.....	.....	.....	6	54.98	7.53	June	0.26	Oct.	.....	118	.....	.....	.....	.....
Louisa	Lawrence	584	.....	.....	.....	.....	.....	.....	18	43.48	7.72	Sept	0.30	Oct.	.....	81	.....	.....	.....	.....
Maysville	Mason	521	27	55.8	98	June 20†	— 5	Dec. 25†	27	38.77	5.17	June	0.05	Oct.	4.5	96	186	51	129	w.
Middlesboro	Bell	1,128	27	56.4	89	Aug. 4	— 4	Jan. 6	27	56.19	8.94	Sept	0.83	Oct.	.....	111	222	99	45	.....
Mount Sterling	Montgomery	930	35	55.5	97	Aug. 21	— 2	Jan. 5	35	48.62	7.71	Sept.	0.10	Oct.	5.7	.....	173	[j] 67	[j]116	w.
Owingsville	Bath	940	.....	.....	.....	.....	.....	.....	5	37.77	5.19	Jan.	0.60	Oct.	.....	76	.....	.....	.....	.....
Quincy, Dam 26	Greenup	510	.....	.....	.....	.....	.....	.....	3	38.66	5.31	June	T	Oct.	7.0	91	.....	.....	.....	.....
Oregon, Dam 25	Campbell	442	.....	.....	.....	.....	.....	.....	19	46.46	8.54	Sept	0.46	Oct.	6.0	130	.....	.....	.....	.....
Pikeville	Pike	624	.....	.....	.....	.....	.....	.....	4	47.83	8.37	June	T	Oct.	.....	82	.....	.....	.....	.....
Ravenna, Lock 12	Estill	593	.....	.....	.....	.....	.....	.....	4	45.58	6.97	Aug.	0 20	Oct.	4.7	117	183	51	130	.....
Richmond	Madison	926	20	56.0	98	Aug. 30	— 4	Jan. 6	32	42.23	7.05	Aug.	0 70	Oct.	5.9	121	208	68	90	ne.
Somerset	Pulaski	1,255	2	55.7	94	Aug. 6	4	Jan. 6	2	48.88	7.50	Dec.	0.42	Oct.	.....	126	.....	.....	.....	.....
Valley View, Lock 9	Madison	544	.....	.....	.....	.....	.....	.....	8	40.17	5.56	Sept	0 13	Oct.	.....	93	.....	.....	.....	.....
Vanceburg, Dam 32	Lewis	525	.....	.....	.....	.....	.....	.....	29	43 81	7.70	Sept	0.40	Oct.	2 8	88	249	93	24	.....
Williamsburg	Whitley	979	27	56.4	98	June 19†	4	Jan. 6	3	54.34	6 88	June	0.20	Oct.	.....	89	.....	.....	.....	.....
Willow, Lock 13	Lee	641	.....	.....	.....	.....	.....	.....												

All temperature data are taken from self-registering thermometers.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.
†Also on other dates.

continued during the month, whenever possible, but was not completed. Lateness and scarcity of tobacco plants caused some decrease in acreage. Fair weather late in the month was favorable for wheat harvest.

JULY.—Prevailing cool weather was unfavorable for corn, which was already much belated, but resulted in a fine crop of oats. Some corn was planted during the first week. Although much delayed, cultivation of corn and tobacco was generally sufficient. Except in the Purchase, light precipitation favored this work. Late tobacco started badly. Both corn and tobacco crops grew unevenly, and averaged exceptionally late.

AUGUST.—Precipitation was badly distributed and more or less deficient. Where soil moisture was sufficient the favorable temperature caused corn and tobacco to develop rapidly, but dry weather retarded growth in large areas. Tobacco and corn "fired" in the dry region toward the end of the month, and all crops showed the effects of the drought.

SEPTEMBER.—Dry cool weather, during the first half, with light frosts, retarded the growth of late crops. Rains were badly distributed and generally light until the middle of the month, after which there was sufficient moisture in most localities. Much late corn was in roasting ear when the month ended. Late potatoes made little growth until the last two weeks.

OCTOBER.—With the exception of a few days, the month was unusually warm. No rain of consequence occurred. Drought, attended by shortage of water for stock and domestic purposes, became serious in most of the State. Heavy frost on the 1st practically ruined late corn and tobacco in the south-central and southeastern districts. The extreme dryness caused the sappy tobacco and corn to cure out remarkably well. Early wheat came up but late sown grain generally failed to germinate.

NOVEMBER.—Drought continued through the first two weeks. The water shortage became acute in many localities, and brush fires caused considerable damage. Rains

Monthly and Annual Precipitation for the Year 1924, with Departures from the Normal.

Stations.	January.		February.		March		April.		May.		June.		July.		August.		September		October		November		December		Annual	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Beaver Dam	5.06	+0.73	2.50	−0.68	3.55	−0.69	2.52	−1.60	5.59	+1.36	4.38	+1.21	2.58	−1.40	1.33	−1.98	1.73	−0.95	0.66	−2.26	1.50	−1.48	4.07	+0.29	37.93	−7.06
Blandville	3.79	−0.81	2.44	−2.09	2.52	−2.11	2.78	−1.73	5.04	+0.80	3.75	−0.61	5.76	+1.87	2.56	−0.58	3.25	+0.10	0.31	−2.69	2.76	−1.31	6.36	+2.35	41.29	−6.84
Calhoun	4.19	−0.69	2.78	−0.48	2.44	−2.28	3.37	−1.22	4.97	+1.01	4.35	+0.76	3.35	−0.87	0.68	−2.97	3.83	+1.05	1.39	−2.06	1.42	−2.04	4.85	0.00	37.65	−9.13
Earlington	5.19	+0.71	2.02	−1.58	4.11	−0.77	3.49	0.88	5.90	+1.19	3.12	−0.31	3.04	−1.06	1.24	−1.91	1.57	−1.12	0.97	−1.69	2.20	−1.54	7.45	+3.62	40.28	−5.25
Greenville	4.57	.....	2.54	.....	2.91	.....	4.11	.....	6.10	.....	3.86	.....	3.61	.....	2.86	.....	1.95	.....	0.23	.....	2.27	.....	6.96	.....	41.96	.....
Henderson	3.40	+0.07	1.85	−0.67	1.82	−3.49	3.32	−0.32	4.83	+0.89	2.50	−1.61	3.46	+0.12	0.97	−1.79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hopkinsville	4.73	−0.40	2.68	−1.21	3.01	1.83	3.42	−0.93	5.90	+1.67	4.76	+0.48	5.33	+1.30	4.24	+1.19	2.22	−0.81	0.33	−2.54	2.78	1.12	6.49	+1.72	45.84	−2.78
Marion	3.88	−0.92	2.00	−1.37	.....	.....	2.93	−1.65	5.85	+1.56	5.26	+1.68	3.90	+0.34	5.97	+3.18	2.03	−1.01	0.29	−2.32	2.66	−1.67	3.90	−0.32	39.81	−5.47
Mayfield	4.18	+0.21	2.72	−0.32	.....	.....	3.22	−1.33	7.48	+3.25	3.65	+0.78	4.53	+0.51	3.32	0.01	2.71	−0.38	0.30	−2.23	2.36	−1.43	6.05	+1.36	.....	.....
Owensboro	3.48	−1.03	2.15	−1.10	2.09	−2.69	4.14	+0.04	5.00	+1.16	4.45	+0.88	2.30	−1.55	0.84	−2.75	2.14	−0.68	0.10	−3.60	1.43	−2.39	4.29	+0.43	32.11	−12.01
Paducah (near)	4.75	.....	3.64	.....	2.42	.....	3.90	.....	6.75	.....	4.70	.....	5.40	.....	3.10	.....	1.50	.....	0.35	.....	1.85	.....	11.12	.....	52.61	.....
Paducah	4.05	−0.58	2.12	−1.49	1.84	−2.55	3.09	−1.24	6.15	+2.34	7.55	+3.03	5.30	+1.32	2.15	−1.13	1.44	−1.50	0.18	−2.50	1.80	−1.94	4.74	+0.98	40.47	−5.26
Princeton	4.73	+0.48	2.05	−2.47	2.95	−2.26	4.27	+0.27	5.17	+0.04	3.80	+0.08	5.62	+2.06	1.75	−1.77	1.51	−1.27	0.18	−2.31	2.11	−2.01	7.35	+2.97	41.49	6.25
Ramsey, Lock No. 2 †	5.65	.....	2.11	.....	2.73	.....	3.47	.....	5.06	.....	3.90	.....	3.66	.....	0.67	.....	3.82	.....	1.26	.....	1.62	.....	4.65	.....	37.59	.....
Russellville	5.97	+0.28	1.86	−1.78	2.43	−2.86	3.31	−1.50	4.71	+0.19	2.31	−0.83	5.07	+0.50	0.72	−1.94	3.90	+0.90	0.56	−1.76	2.02	−1.69	8.72	+5.68	41.61	−5.22
CENTRAL DIVISION.																										
Anchorage	4.41	+0.33	1.65	−1.19	2.87	−1.37	4.17	+0.17	4.63	+0.79	4.47	+0.84	2.05	−2.39	2.51	−1.38	4.01	+1.35	0.34	−2.51	0.98	−1.97	4.42	+0.44	36.31	−7.29
Bardstown	3.88	0.95	2.15	−1.76	2.16	−2.58	4.63	+0.78	5.77	+2.21	3.07	−1.27	3.04	−1.44	3.60	−0.01	4.85	+1.95	0.17	−2.23	1.10	−2.10	6.13	+1.77	46.46	−5.14
Bowling Green	5.90	+1.26	3.33	−0.84	4.68	−0.24	4.46	+0.26	6.32	+2.07	3.35	−0.52	4.11	−0.35	0.70	−2.82	5.87	+2.74	0.03	−2.34	2.95	−0.66	10.74	+6.42	52.91	−1.02
Do. No. 2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.25	.....	0.32	.....	4.95	.....	0.00	.....	1.66	.....	10.45	.....	.....	.....
Brownsville, Lock No 6†	6.31	.....	3.19	.....	4.41	.....	4.18	.....	5.95	.....	2.56	.....	4.25	.....	2.48	.....	5.99	.....	0.40	.....	1.78	.....	11.12	.....	52.61	.....
Burnside	6.87	+2.83	4.12	+0.03	3.42	−1.84	3.53	−0.67	7.53	+3.51	1.92	−2.20	5.47	+0.58	2.30	−1.86	6.10	+2.56	0.08	−2.55	3.86	+0.65	8.09	−3.80	53.29	−3.56
Carrollton, Lock No. 1	4.53	+0.91	1.48	−1.10	4.33	+1.00	2.88	−0.30	4.46	+0.42	3.04	−0.55	2.27	−1.13	2.12	−0.70	4.23	+1.40	0.12	−2.53	0.72	−2.21	4.62	+1.62	34.82	−3.47
Cloverport	4.36	+0.22	2.23	−0.38	2.17	−2.09	3.99	−0.06	4.78	+0.86	2.82	−1.26	2.28	−1.55	3.78	−0.04	3.12	+0.51	1.01	−2.05	1.05	−2.58	5.03	+0.21	36.64	−8.21
Dix Dam, Burgin	3.49	.....	2.62	.....	3.03	.....	3.98	.....	3.61	.....	3.65	.....	4.78	.....	4.59	.....	5.24	.....	0.13	.....	1.53	.....	6.38	.....	45.03	.....
Eubank	6.83	+2.86	3.29	−0.57	3.64	−1.34	3.57	−0.33	6.13	+1.75	2.08	−2.00	3.24	−1.30	2.46	−1.88	3.87	+0.36	0.60	−2.72	2.67	−0.50	7.23	+3.36	45.61	2.31
Frankfort	4.04	+0.51	1.86	−1.70	2.56	−2.14	3.63	−0.10	4.48	+0.68	5.35	+1.15	5.48	+1.37	1.71	−1.97	3.02	+0.16	0.15	−2.34	1.07	−2.34	6.05	+2.46	39.99	−4.26
Franklin	.....	.....	3.26	.....	3.00	−2.08	2.64	−1.74	6.96	+2.56	6.20	+2.55	2.15	−2.05	2.09	−1.21	3.52	+0.16	0.03	−2.07	2.97	−0.46	7.03	+2.51	.....	.....
Gess, Lock No. 3	4.57	+0.05	1.96	−0.95	2.58	−1.80	2.86	−1.16	3.66	+0.11	4.70	+0.57	4.06	+0.04	1.36	−2.57	5.64	+2.54	0.13	−3.06	1.56	−1.54	4.70	+0.29	37.75	5.83
Glasgow	6.96	.....	3.38	.....	2.90	.....	3.50	.....	8.37	.....	2.96	.....	4.66	.....	0.64	.....	4.03	.....	0.27	.....	2.77	.....	5.41	.....	45.25	.....
Greensburg	6.64	+2.13	2.63	−1.39	5.34	+0.31	3.71	−0.14	5.35	+1.06	3.71	−0.74	4.56	−0.63	3.74	−0.16	5.39	+2.39	0.27	−2.49	1.82	−1.59	7.93	+3.77	51.09	+3.06
High Bridge, Lock No. 7	5.64	+1.25	2.62	−0.63	2.59	−1.85	3.75	−0.01	3.80	−0.05	3.87	−0.05	5.23	+0.91	3.69	−0.36	5.19	+2.22	0.10	−2.88	1.51	−1.66	6.51	+2.06	44.53	−1.45
Irvington	4.52	+0.10	1.84	−1.49	2.59	−2.01	5.76	+1.68	4.60	+1.19	3.20	−0.79	1.76	−1.79	3.70	+0.10	4.43	+1.44	0.36	−2.39	1.26	−1.95	4.79	+0.89	38.75	−5.42
Junction City	6.92	+1.93	2.84	−0.90	4.09	1.08	4.26	+0.26	7.00	+2.91	3.69	−0.62	2.79	−1.51	3.82	+0.27	4.75	+1.67	0.26	−2.27	2.02	−1.22	9.12	+4.59	50.88	−4.65
Leitchfield	5.28	+0.76	2.07	−1.71	2.28	−2.51	6.25	+2.17	5.26	+1.26	2.40	−1.59	0.86	−3.25	.....	.....	3.30	−0.34	0.02	−2.71	1.35	−2.61	7.60	+2.17	.....	.....
Lexington	5.60	+1.17	2.60	−0.64	2.42	−2.30	3.75	+0.41	3.04	−0.48	4.04	+0.05	2.77	−1.67	2.28	−1.29	3.89	+1.47	0.11	−2.11	1.32	−2.16	5.59	+2.27	36.81	−5.38
Little Hickman, Lock 8	5.43	+0.19	3.24	−0.03	2.99	−0.41	3.17	−0.66	4.16	−0.09	4.89	+0.72	3.23	−0.53	3.49	−1.46	4.50	+0.61	0.00	−2.85	1.57	−1.13	5.14	+1.09	41.55	−4.95
Lockport, Lock No. 2	4.55	−0.84	1.73	−0.81	2.90	−1.57	2.86	−1.44	3.17	−0.26	4.95	+0.87	2.52	−1.34	1.67	−3.09	4.20	+1.47	0.31	−2.79	1.12	1.79	4.66	−0.17	38.17	−11.76
LOUISVILLE	4.65	+0.78	1.46	−2.34	2.96	−1.36	3.29	−0.78	3.51	−0.13	6.20	+1.97	1.47	−3.27	2.50	−1.01	4.83	+2.20	0.10	−2.55	1.66	−3.18	4.10	+0.37	39.67	−8.25
Do. (Cherokee Park)	4.89	+0.39	1.77	−1.05	2.98	−1.43	3.81	−0.65	4.17	+0.44	5.70	+1.94	2.42	−2.69	2.43	−1.53	3.83	+0.69	0.15	3.00	1.09	−2.17	5.01	+0.56	38.25	−8.50
Munfordville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.50	.....	T.	.....	1.31	.....	7.54	.....	.....	.....
Pitcher, Dam 43	3.59	.....	1.72	.....	2.30	.....	4.92	.....	4.98	.....	4.32	.....	2.09	.....	1.76	.....	4.78	.....	0.04	.....	1.17	.....	4.51	.....	36.18	.....
St. John	.....	.....	2.59	−1.39	2.81	−2.18	5.71	+1.84	5.97	+1.99	3.65	−0.37	1.88	−1.67	7.17	+3.54	2.50	−0.62	0.47	−2.02	1.19	−2.29	6.83	+2.41	.....	.....
Salyersa, Lock No. 6	5.72	+1.22	2.72	.....	2.89	−0.26	3.06	−0.09	4.76	+1.55	3.57	−1.19	4.07	−0.34	2.03	.....	5.70	+2.58	0.15	−2.35	1.41	−0.91	6.42	+1.73	42.38	.....
Scott	4.38	+0.26	2.04	−0.71	4.54	+0.10	3.66	+0.48	3.61	−0.45	5.04	+1.36	2.58	−0.96	4.92	+1.38	2.49	−0.36	0.48	−2.21	1.21	−1.59	3.46	+0.25	37.56	−2.42
Shelbyville	5.05	+0.78	2.17	−1.57	2.87	−1.84	3.89	+0.17	5.98	+1.86	3.82	−0.84	4.20	+0.10	2.91	−0.45	3.17	+0.32	0.43	−1.99	1.67	−2.34	5.46	+1.57	41.62	−4.08
Taylorsville	5.02	+0.56	2.03	−1.43	3.14	1.50	4.02	−0.35	5.28	+1.70	5.11	+0.85	6.38	+2.11	2.07	−1.80	5.28	+2.05	0.32	−2.65	1.02	−2.31	6.50	+1.16	45.17	1.67
Terrone, Lock No. 5	4.88	.....	2.16	.....	2.51	.....	3.70	.....	4.43	.....	4.64	.....	3.67	.....	1.02	.....	2.41	.....	0.36	.....	1.07	.....	6.13	.....	36.57	.....
Williamstown	4.96	+1.35	2.05	−0.69	2.62	−1.76	1.92	−1.41	2.61	−0.95	3.24	−0.66	4.06	−0.62	2.26	−1.93	2.73	−0.23	0.50	−2.41	1.32	−1.41	4.20	+0.69	31.40	−9.99
Woodbury, Lock No. 4†	1.87	.....	2.49	.....	4.26	.....	4.79	.....	4.84	.....	4.88	.....	3.81	.....	2.63	.....	4.18	.....	0.53	.....	1.78	.....	8.59	.....	47.65	.....
EASTERN DIVISION.																										
Ashland	5.57	.....	3.27	.....	2.46	.....	2.32	.....	4.49	.....	5.48	.....	4.42	.....	6.05	.....	5.30	.....	0.20	.....	1.85	.....	4.75	.....	46.16	.....
Beattyville	6.07	+1.33	2.74	−1.13	3.56	−1.52	2.49	−1.66	7.55	+3.38	7.90	+3.36	4.60	−0.16	7.13	+2.65	7.62	+3.95	0.30	−3.05	2.97	+0.63	6.43	+1.70	58.36	+8.88
Berea	6.23	+1.50	3.07	−0.04	4.07	−0.09	4.17	+0.48	4.87	+0.81	6.05	+1.50	4.36	−0.23	4.45	−0.13	6.06	+3.26	0.19	−2.89	2.29	−0.81	8.21	+3.84	51.04	6.54
College Hill, Lock No. 12	6.41	+1.37	2.66	+0.14	3.39	+0.77	3.09	−0.17	4.51	+0.39	3.57	−0.59	2.81	−1.10	5.88	+1.52	5.85	+2.38	0.65	−3.25	2.39	−0.93	5.86	+1.12	46.46	+0.67
Cynthiana	4.85	.....	2.52	.....	2.40	.....	2.07	.....	3.52	.....	3.12	.....	2.84	.....	3.27	.....	8.10	.....	0.63	.....	1.61	.....	6.18	.....	40.91	.....
Farmers	4.63	+0.93	2.42	−0.94	2.66	−1.43	2.55	−0.92	2.30	−1.37	2.90	−1.27	3.39	−0.56	1.20	−2.39	2.75	+0.25	0.12	−2.82	1.36	−1.87	4.46	+1.11	30.68	−10.48
Ford, Lock No. 10	5.70	+0.23	3.15	+0.15	2.65	−1.86	2.12	−1.98	1.37	+0.31	6.69	+2.15	4.56	−0.24	2.93	−1.64	5.55	+2.55	0.12	−2.25	1.99	−0.84	4.77	+0.75	.....	.....
Heidelberg, Lock No 14	6.54	.....	2.54	.....	3.59	.....	2.53	.....	4.04	.....	4.19	.....	2.93	.....	4.27	.....	6.15	.....	T.	.....	1.94	.....	5.57	.....	42.51	.....
							2.54	.....	6.49	.....	7.52	.....	5.12	.....	5.93	.....	6.72	.....	0.26	.....	2.14	.....	5.78	.....	54.98	.....
Jackson	5.72	+1.86	2.59	−0.71	4.17	−0.18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Louisa	5.36	+1.65	2.52	−0.81	2.98	1.11	2.16	−1.15	4.96	+0.89	6.68	+1.29	1.25	−2.20	3.53	−0.30	7.72	+5.05	0.30	−2.53	1.90	−1.07	4.72	+1.22	43.48	−6.91
Maysville	4.76	+0.69	3.00	−0.33	2.82	1.82	2.47	−0.96	3.79	−0.26	5.17	+0.84	2.70	−1.84	3.18	−0.80	4.68	+2.01	0.05	−2.47	1.94	−0.90	4.26	+0.50	38.77	−5.44
Middlesboro	6.01	+1.33	5.11	+0.15	3.04	−2.54	4.80	+0.01	7.16	−2.95	4.99	+0.50	3.45	−2.05	1.33	−2.93	8.94	+6.66	0.83	−1.78	1.75	−1.76	8.75	+4.01	56.19	−3.88
Mount Sterling	6.19	+1.47	3.99	0.00	2.73	−2.68	3.43	−0.49	4.50	+0.21	5.47	+0.34	3.57	−1.49	2.62	−1.35	7.71	+4.77	0.16	−2.87	2.58	−0.66	5.73	+1.49	48.62	1.20
Oliver, Dam No. 30	5.19	.....	2.71	.....	2.31	.....	2.36	.....	4.64	.....	4.21	.....	4.02	.....	2.10	.....	4.41	.....	0.00	.....	1.72	.....	4.10	.....	37.77	.....
Owingsville	3.95	.....	2.20	.....	4.31	.....	2.30	.....	4.05	.....	5.31	.....	3.26	.....	4.02	.....	8.54	.....	T.	.....	1.76	.....	3.26	.....	48.06	.....
Pikeville	3.62	−0.51	2.46	0.88	4.02	−0.37	1.96	−1.62	5.28	+2.13	5.49	+1.00	3.47	−0.65	4.81	+0.70	8.54	+5.14	0.46	−2.56	2.10	−0.59	4.22	+0.35	46.46	2.14
Savanna, Lock No. 12	4.96	.....	1.70	.....	2.69	.....	1.76	.....	5.29	.....	8.57	.....	4.73	.....	4.08	.....	6.40	.....	T.	.....	2.40	.....	6.22	.....	47.85	.....
Richmond	3.38	1.13	2.31	−1.13	5.24	−1.15	2.78	−0.86	4.37	−0.79	5.36	−1.42	3.44	−0.61	6.97	+3.27	5.22	+2.38	0.20	−2.61	2.13	0.74	6.22	+2.27	45.58	2.00
Sergent	3.36	.....	2.53	.....	3.40	.....	2.65	.....	5.30	.....	3.32	.....	3.51	.....	7.05	.....	5.68	.....	0.50	.....	1.73	.....	4.60	.....	42.23	.....
Valley View, Lock No 9	4.19	−0.82	2.77	−0.42	3.50	−0.20	4.79	−0.71	4.41	−0.47	6.14	+1.66	2.71	−1.44	2.58	−2.08	3.71	−0.23	0.42	−3.01	2.65	−0.97	7.50	−3.09	45.58	2.46
Vanceburg, Dam No. 32	5.26	.....	2.20	.....	3.05	.....	2.65	.....	3.50	−0.39	2.94	−0.42	4.44	−0.53	3.61	−0.63	5.96	+3.33	0.13	−2.56	2.36	.....	3.66	.....	40.45	.....
Williamsburg	5.66	1.03	3.32	−0.17	3.42	−1.50	3.58	−0.73	5.63	0.93	2.47	−1.95	3.32	−1.97	1.64	−3.02	5.70	+4.16	0.40	−2.15	2.52	−0.51	4.82	−0.93	43.54	4.25
Willow, Lock No. 13	6.68	.....	1.86	.....	3.32	.....	1.92	.....	4.90	.....	6.88	.....	4.67	.....	5.48	.....	6.42	.....	0.26	.....	2.74	.....	6.87	.....	51.74	.....

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determing in
ction or division means. T. Precipitation is less than 0.01 inch rain or melted snow.

†Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

ar the middle of the month brought up the late wheat, but low temperature prevented
ich growth. Conditions were favorable for corn gathering.

DECEMBER.—Temperature changes were sharp and frequent. The cold wave of the
8-21st, which followed unseasonably warm weather, injured wheat to some extent.

Excessive rains at the end of the first week caused floods in most streams, but furnished
an abundance of water for the first time since the drought. There was light snow
cover in the northern counties from the 24th to the end of the month.

Monthly and Annual Mean Temperatures for the Year 1924, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
WESTERN DIVISION.																										
Beaver Dam	32.0	− 3.6	36.6	+ 0.4	42.2	− 5.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	62.0	+ 3.3	49.2	+ 2.3	37.0	− 0.1	.....	.....
Blandville	29.6	− 4.4	36.8	0.0	41.9	− 5.4	58.8	+ 1.4	60.1	− 6.5	74.2	− 0.8	73.4	− 4.8	75.7	− 1.1	65.0	− 5.9	62.8	+ 4.2	48.4	+ 1.1	35.0	− 2.1	55.1	− 2.1
Calhoun	30.9	− 5.8	37.2	− 0.5	42.1	− 7.1	58.4	+ 0.4	60 0	− 7.1	74.5	− 0.9	73.8	− 4.2	77.1	− 0.3	66.0	− 6.6	61.3	+ 1.3	47.0	− 1.2	a34.4	− 3.8	55.2	− 3.0
Earlington	31.8	− 3.5	36.9	+ 0.6	41.8	− 5.5	58.4	+ 1.1	60.8	− 6.4	75.9	+ 0.2	75.0	− 3.4	79.2	+ 2.1	67.4	− 3.7	63.6	+ 4.3	49 3	+ 1.4	36.2	− 1.9	56.4	− 1.2
Greenville	a32.2	.....	a36.9	.....	a40.8	.....	a57.7	.....	a60.2	.....	a74.4	.....	a74.5	.....	77.0	.....	a66.4	.....	a61.6	.....	a47.8	.....	34.6	.....	55.3	.....
Hopkinsville	32.3	− 5.7	37.8	+ 0.8	a42.4	− 6.8	59.4	+ 2.6	61.6	− 6.0	76.5	+ 1.3	76.2	− 2.6	79.2	+ 1.4	68.4	− 3.5	64.6	+ 4.2	48.8	+ 0.5	37.3	− 0.5	57.0	− 1.2
Marion	31.8	− 4.2	36.6	+ 0.8	a41.0	− 7.6	61.2	+ 3.9	61.2	− 5.9	75.0	0.0	74.8	− 3.0	77.6	− 0.5	67.7	− 4.5	65.2	+ 5.8	50.2	+ 1.9	36.6	− 0.9	56.6	− 1.2
Mayfield	32.0	− 3.6	38.4	+ 0.4	.....	.....	59.4	+ 2.2	61.6	− 4.8	76.0	+ 1.6	76.4	− 2.5	77.9	+ 0.6	67.2	− 4.2	64.4	+ 4.6	50.4	+ 1.1	38.0	− 1.9	54.5	− 2.2
Owensboro	29.4	− 6.1	35.6	+ 0.9	41.0	− 5.9	57.2	+ 2.0	58.4	− 7.9	74.2	+ 0.1	74.2	− 3.8	76.7	+ 0.3	66.0	− 4.7	62.4	+ 3.4	46.2	− 1.3	32.8	− 3.8	54.5	− 2.2
Paducah (near)	33.0	.....	39.4	.....	43.6	.....	60.6	.....	62.8	.....	76.6	.....	76.1	.....	79.0	.....	66.6	.....	61.6	.....	49.0	.....	37.1	.....	57.1	.....
Princeton	31.6	− 4.0	37.0	+ 1.8	42.3	− 6.0	58.6	+ 0.5	60.4	− 7.2	75.0	− 0.7	74.4	− 3.7	77.2	− 0.5	67.1	− 4.3	63.0	+ 3.9	a47.2	+ 0.5	36.1	− 1.6	55.8	− 1.8
Russellville	30.8	− 4.5	35.8	− 0.8	40.6	− 8.6	57.6	− 0.2	a60.2	− 6.2	75.2	+ 0.2	a74.6	− 3.1	78.3	+ 0.2	a66.0	− 5.5	61.9	+ 2.1	47.4	− 0.4	35.3	− 3.4	55.3	− 2.5
CENTRAL DIVISION.																										
Anchorage	27.6	− 5.4	32.8	− 0.2	38.8	− 6.3	55.4	+ 2.2	57.6	− 6.5	73.0	+ 1.1	72.8	− 3.2	75.0	+ 0.3	64.6	− 3.9	60.7	+ 3.9	44.8	+ 0.5	32.4	− 1.2	53.0	− 1.5
Bardstown	31.1	− 4.8	35.4	+ 0.9	41.2	− 5.4	58.6	+ 2.7	60.0	− 7.0	74.8	+ 0.2	73.8	− 4.7	76.6	− 0.6	65.8	− 6.1	61.0	+ 1.5	47.3	+ 0.3	35.6	− 0.1	55.0	− 2.0
Bowling Green	33.0	− 3.6	37.8	+ 0.2	42.5	− 5.8	59.4	+ 1.3	62.4	− 5.2	77.4	+ 1.6	76.9	− 2.0	80.3	+ 2.0	67.3	− 3.9	63.1	+ 3.9	49.3	+ 2.0	37.4	− 0.2	57.3	− 0.8
Dix Dam	32.0	.....	35.6	.....	a41.0	.....	57.6	.....	a59.7	.....	a74.6	.....	73.7	.....	a77.0	.....	66.0	.....	60.0	.....	47.6	.....	37.0	.....	55.2	.....
Eubank	31.8	+ 3.2	35.6	+ 0.8	41.2	− 4.9	56.6	+ 2.3	59.0	− 5.0	72.6	+ 1.2	72.2	− 2.7	75.9	+ 2.1	65.1	− 3.4	59.2	+ 2.3	48.6	+ 3.5	37.9	+ 1.5	54.6	− 0.5
Frankfort	30.8	− 5.2	35.6	− 0.3	41.6	− 5.0	57.8	+ 2.5	59.5	− 5.7	74.3	+ 0.7	74.0	− 2.9	76.1	+ 1.1	66.0	− 2.5	59.6	+ 2.6	47.0	+ 0.6	35.9	− 1.3	54.8	− 1.3
Franklin	33.6	− 5.0	38.2	− 0.8	43.6	− 6.5	59.9	+ 0.7	64.1	− 2.9	76.1	+ 0.9	74.1	− 3.7	78.7	+ 1.5	66.6	− 5.4	62.2	+ 2.9	47.7	− 2.1	38.4	− 1.8	56.9	− 1.9
Glasgow	33.8	.....	36.9	.....	42.4	.....	58.2	.....	61.3	.....	75.5	.....	75.8	.....	79.6	.....	66.4	.....	63.2	.....	50.0	.....	37.9	.....	56.8	.....
Greensburg	32.4	− 2.3	36.0	+ 1.1	41.3	− 5.3	57.0	+ 1.8	59.4	− 5.4	73.2	− 0.1	72.7	− 3.9	75.0	− 0.3	64.5	− 5.1	58.6	+ 1.5	47.7	+ 0.3	37.0	+ 0.7	54.6	− 1.2
Irvington	31.1	− 5.1	35.6	+ 1.3	41.8	− 5.0	58.2	+ 2.7	60.4	− 5.9	74.4	+ 0.7	73.8	− 3.7	76.2	+ 0.2	65.3	− 4.6	59.9	+ 2.1	46.3	+ 2.4	35.6	− 0.6	54.2	− 1.2
Junction City	30.6	− 4.5	35.4	+ 0.8	41.3	− 4.8	55.6	+ 0.7	58.6	− 6.0	73.5	+ 1.4	72.8	− 2.6	75.6	+ 1.1	64.7	− 4.6	59.5	+ 2.1	46.3	+ 2.4	35.6	− 0.6	.....	.....
Leitchfield	31.0	− 4.1	35.4	+ 1.4	40.8	− 5.2	57.1	+ 1.7	60.2	− 5.3	b73.2	+ 1.4	b73.3	− 3.3	.....	.....	63.8	− 6.0	62.4	+ 4.3	47.8	+ 1.5	35.8	− 0.8	.....	.....
Lexington	29.5	− 3.4	33.4	− 2.0	39.1	− 4.6	54.9	+ 0.6	58.2	− 6.1	73.0	+ 0.8	73.2	− 2.7	75.1	+ 0.6	63.7	− 4.8	62.4	+ 5.0	45.0	− 0.2	34.0	− 1.8	53.5	− 1.5
Louisville	29.0	− 5.4	34.4	− 2.9	40.5	− 4.9	57.0	+ 0.6	60.0	− 6.6	74.4	− 0.3	74.7	− 3.9	76.8	− 0.2	65.3	− 5.2	62.2	+ 3.6	46.6	− 0.1	35.8	− 3.8	54.6	− 2.4
Do. Cherokee Park	30.4	− 4.2	34.8	− 0.9	40.9	− 5.1	58.4	+ 2.3	58.2	− 6.9	72.4	− 0.6	72.2	− 3.8	74.6	− 0.1	65.9	− 3.6	60.6	+ 2.7	47.2	+ 0.6	34.2	− 2.0	54.2	− 1.7
St. John	28.2	− 5.9	34.2	+ 1.2	39.4	− 5.7	55.8	+ 1.4	58.6	− 6.1	73.8	+ 1.5	73.6	− 2.1	75.8	+ 1.1	65.0	− 4.1	61.3	+ 3.7	b48.8	+ 2.9	34.4	− 0.2	54.0	− 1.1
Scott	27.0	− 6.1	31.8	+ 1.1	39.2	− 4.2	55.5	+ 2.4	57.2	− 6.6	71.1	− 0.5	71.0	− 5.6	73.8	− 1.8	62.7	− 6.8	59.8	+ 2.0	45.1	+ 0.1	32.0	− 1.2	52.2	− 2.2
Shelbyville	29.2	− 4.1	34.0	+ 0.2	40.2	− 4.5	56.2	+ 1.5	58.9	− 6.1	73.4	− 0.1	73.0	− 3.9	74.9	− 0.6	64.4	− 4.8	59.6	+ 2.9	41.6	+ 0.2	32.8	− 2.2	53.4	− 1.8
Taylorsville	30.0	− 4.2	34.8	− 0.6	40.5	− 6.1	56.5	+ 2.0	59.2	− 5.4	74.0	+ 1.5	72.4	− 3.7	b75.8	+ 1.5	64.0	− 4.0	58.0	+ 1.7	45.5	− 0.3	34.4	− 0.8	53.8	− 1.4
Williamstown	28.0	− 4.4	32.2	+ 0.2	39.0	− 5.6	55.7	+ 2.9	58.2	− 5.4	72.5	+ 1.3	73.4	− 2.3	74.8	+ 0.6	64.2	− 4.4	60.4	+ 5.3	45.4	+ 0.3	33.0	− 0.5	53.1	− 0.9
EASTERN DIVISION.																										
Ashland	32.1	.....	35.4	.....	43.0	.....	56.5	.....	59.6	.....	73.6	.....	73.0	.....	75.8	.....	63.5	.....	58.9	.....	47.0	.....	37.6	.....	54.7	.....
Beattyville	32.8	− 2.1	37.3	+ 1.6	41.8	− 4.1	57.0	+ 2.5	60.3	− 3.9	74.1	+ 1.4	73.6	− 2.3	76.4	+ 1.3	64.8	− 5.0	59.9	+ 2.1	47.8	+ 2.9	36.4	+ 0.7	55.2	− 0.4
Berea	32.5	− 3.9	35.8	− 0.5	40.8	− 6.3	56.6	+ 1.5	59.0	− 6.2	72.6	− 0.3	71.9	− 4.8	74.4	+ 0.5	63.1	− 5.9	59.2	+ 0.6	48.0	+ 0.7	37.3	+ 0.7	54.2	− 2.1
Farmers	a32.0	− 2.8	36.8	+ 1.2	41.8	− 3.3	53.4	− 1.0	56.6	− 7.1	71.2	0.0	71.5	− 3.8	73.5	− 0.6	62.4	− 5 3	.....	.....	a46.7	+ 1.9	a37.0	+ 1.9	.....	.....
Jackson	33.5	.....	a37.9	.....	a43.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maysville	29.8	− 3.3	34.4	+ 1.4	40.8	− 3.3	56.2	+ 2.6	59.4	− 5.7	74.0	+ 1.1	74.0	− 3.0	76.0	+ 0.3	65.0	− 4.6	58.2	+ 1.1	45.0	+ 0.1	32.2	− 1.6	53.8	− 1.2
Middlesboro	32.7	− 5.1	38.6	− 0.9	45.8	− 2.7	59.0	+ 2.4	61.8	− 2.7	73.6	+ 1.2	73.0	− 1.7	75.4	+ 1.2	63.8	− 5.1	59.7	+ 2.5	52.4	+ 6.6	41.8	+ 3.9	56.4	0.0
Mt. Sterling	30.2	− 3.4	34.2	+ 0.8	40.4	− 3.3	55.4	+ 1.8	58.2	− 5.9	73.6	+ 1.2	72.8	− 3.0	74.6	+ 0.5	63.1	− 4.5	58.5	+ 2.9	a47.6	+ 3.6	33.8	− 1.1	53.5	− 0.9
Richmond	30.2	− 3.4	34.2	+ 0.8	40.4	− 3.3	55.4	+ 1.8	58.2	− 5.9	73.6	+ 1.2	72.8	− 3.0	74.6	+ 0.5	63.1	− 4.5	58.5	+ 2.9	a47.6	+ 3.6	33.8	− 1.1	53.5	− 0.9
Sergent	32.6	− 1.7	37.0	+ 1.7	42.1	− 3.3	58.6	+ 3.1	60.6	− 5.0	75.0	+ 1.5	74.4	− 2.3	77.4	+ 1.9	66.2	− 4.3	63.0	+ 4.6	47.4	+ 0.6	37.1	0.0	56.0	− 0.2
Williamsburg	34.5	− 4.1	38.2	+ 0.7	43.8	− 2.3	58.0	+ 2.3	61.6	− 4.7	75.7	+ 2.2	74.7	− 2.1	77.6	+ 1.5	65.2	− 5.4	59.4	− 0.1	48.8	+ 1.7	38.8	+ 0.5	56.4	− 0.8

All temperature data are taken from self registering thermometers.
The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1924.

Stations.	Last in Spring.	First in Autumn.	Stations.	Last in Spring.	First in Autumn.
WESTERN DIVISON					
Blandville	April 2	Oct. 22	Irvington	April 23	Oct. 23
Calhoun	do 3	do 23	Junction City	do 3	do 23
Earlington	do 3	do 23	Lexington	do 3	do 22
Greenville	do 3	do 23	Louisville	do 3	do 22
Hopkinsville	do 3	do 23	Do. Cherokee Park	do 23	do 23
Marion	do 2	do 22	St. John	do 23	do 23
Mayfield	do 3	do 22	Scott	do 23	do 23
Owensboro	do 2	do 23	Shelbyville	do 23	do 23
Paducah (near)	do 3	do 23	Taylorsville	do 23	do 23
Princeton	do 3	do 23	Williamstown	do 3	do 23
Russellville	do 3	do 23			
CENTRAL DIVISON			**EASTERN DIVISON**		
Anchorage	do 23	do 22	Ashland	do 23	do 23
Bardstown	do 23	do 23	Beattyville	do 23	do 22
Bowling Green	do 3	do 23	Berea	do 23	do 22
Dix Dam	do 3	do 23	Maysville	do 3	do 23
Eubank	do 23	do 1	Middlesboro	do 3	do 1
Frankfort	do 3	do 23	Mount Sterling	do 3	do 23
Franklin	do 3	do 23	Richmond	do 3	do 23
Glasgow	do 3	do 23	Sergent	do 3	do 22
Greensburg	do 23	do 1	Williamsburg	do 3	do 22

MONTHLY SUMMARIES, 1924.

Month.	Temperature.				Precipitation.		Average number of days.		
	State average.	Departure.	Highest.	Lowest.	State average.	Departure.	With .01 or more rain.	Clear.	Partly cloudy.	Cloudy.
January	31.3	− 4.2	66	− 8	5.05	+ 0.67	9	15	5	11
February	36.0	0.0	71	9	2.56	− 0.97	9	9	5	15
March	41.5	− 4.9	81	14	3.05	− 1.79	9	7	5	17
April	57.4	+ 1.5	93	19	3.41	− 0.62	10	13	7	10
May	59.9	− 5.7	92	34	5.04	+ 1.67	14	10	9	12
June	74.2	+ 0.3	99	42	4.29	− 0.50	12	13	10	7
July	73.7	− 3.2	99	45	3.63	− 0.51	8	18	8	5
August	76.5	+ 0.9	103	43	3.00	− 0.71	7	21	6	4
September	65.3	− 5.0	97	35	4.49	+ 1.68	10	14	7	9
October	61.1	+ 3.0	91	24	0.27	− 2.39	1	23	5	3
November	47.7	+ 1.4	83	13	1.82	− 1.71	7	11	7	12
December	35.9	− 1.7	79	− 9	5.97	+ 1.89	9	13	5	13
Annual means and extremes	55.0	− 1.5	103	− 9	42.68	− 3.06	105	169	79	118

Compared with 35 years' normal.

NOTE—Tables and charts giving climatic data for Kentucky in detail during 1924 have been published for each month at the Kentucky section center, Weather Bureau Office, Louisville, Ky., and can be obtained from the Official in Charge at that office. Indexes to special articles published during past years in Kentucky climatological reports will be found in the Monthly Report for June, 1923.
W. E. Townsend, 2-11-25-1050.

INAE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXX LOUISVILLE, KY., JANUARY, 1925. No. 1

GENERAL SUMMARY.

Variable temperatures, with the longer periods averaging above normal, prevailed until the 26th. A cold wave of marked severity, that spread over the State on the 27th, brought temperatures of zero or lower to most districts. It was ushered in by a fall of snow, ranging from about 2.0 inches in the southern counties to 10.0 inches in the extreme northern districts, which afforded considerable protection to wheat during the period of lowest temperature. The rather sharp temperature changes during the month, with the accompanying freezes and thaws, had less than the usual effect in lifting wheat, because of the comparatively dry and well-drained condition of the soil. Although the tops of the plants appeared much discolored, having been killed back by the severe freezes late in the December preceding, the roots remained well settled in the soil. Late wheat, which generally showed but one blade, was scarcely visible after the first hard freezes. Most farmers reported its condition as poor, but in the absence of excessive heaving it was believed to be in better condition than its appearance would indicate.

Light precipitation, but little more than half the normal amount in many localities, favored winter grains and outdoor feeding, and delayed the usual mid-winter deterioration of dirt roads. It was sufficient in quantity and frequent enough, however, to soften tobacco for handling. Except during the cold wave, progress in stripping and marketing this crop was excellent. The cold period caused suffering to stock that was noted principally in shrinkage of dairy products. There was also some loss of young lambs; but most of the month was favorable for feeding and the general care of animals. Dirt roads held up fairly well until the thaw that followed the cold wave, after which they became so bad as to delay deliveries of tobacco.

TEMPERATURE.

The average temperature for the month, based on reports from 42 stations, was 35.8°, which is 0.3° above normal. Moderate temperatures, mainly from 2° to 10° above normal, prevailed during the periods, 3d-11th, 14-18th, and 20-26th. During the cold spell, 27-30th, the daily averages ranged from 5° to 25° below normal. On the 28th minimum temperatures near or slightly below zero occurred in all districts except the extreme southwestern counties. Extremes for the State were 66° on the 7th at Greenville, and −9° on the 28th at Williamstown.

PRECIPITATION.

The average precipitation, 70 stations reporting, was 2.60 inches, which is 1.78 inches less than normal for this month. Light to moderate showers occurred in the periods 1st-3d, 11-13th, 15-20th, and moderate to heavy precipitation, mostly snow, on the 26th and 27th. In the southeastern counties and the central bluegrass, amounts for the month ranged between 4.0 and 4.0 inches. They decreased toward the west and northwest, ranging from 2.5 inches in the central counties to 1.5 inches near the Ohio River. Extremes for the State were 4.34 inches at Burnside and 1.11 inches at Owensboro. Sleet occurred quite generally over the northern counties on the 27th, and locally on the 1st, 8th, 9th, 12th, 20th and 26th.

MISCELLANEOUS.

Rivers:—Except for a good rise in the Ohio and other streams from the 19th to 23d, which subsided in a few days, low stages prevailed. Light to moderately heavy floating ice in the upper and middle sections of the Ohio during the first three and the last two days of the month, interfered to some extent with navigation.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Ay. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.18	30.64	23	29.71	11	7014	9.4	38	n.	26
Cincinnati ..... Ohio	30.20	30.74	23	29.81	12	6188	8.3	27	ne.	26
Evansville ..... Ind.	30.20	30.70	23	29.76	11	8123	10.9	35	ne.	26
Lexington ..... Ky.	30.21	30.73	23	29.76	11	10355	13.9	35	sw.	7
Louisville ..... Ky.	30.21	30.75	23	29.77	11	8004	10.8	36	nw	26

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	79	66	66	183.8	308.4	60	14	8
Cincinnati ..... Ohio.	84	68	87	141.0	303.4	46	10	11
Evansville ..... Ind.	78	66	65	149.0	305.9	49	9	11
Lexington ..... Ky.	85	77	.....	115.0	305.9	38	3	18
Louisville ..... Ky.	76	65	63	132.2	305.9	43	6	12

COMPARATIVE DATA FOR JANUARY.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more fell.
1889	38.0	+2.8	65	13	3.52	−0.87	..
1890	44.0	+8.8	77	10	6.43	+2.04	..
1891	37.0	+1.8	68	14	5.40	+1.01	..
1892	29.0	−6.2	65	− 6	2.72	−1.67	..
1893	26.0	−9.2	67	−22	2.08	−2.31	..
1894	38.0	+2.8	78	12	2.91	−1.48	..
1895	30.0	−5.2	78	−16	5.71	+1.32	11
1896	36.1	+0.9	74	− 3	1.25	−3.14	6
1897	32.0	−3.2	75	−16	3.25	−1.14	8
1898	40.4	+5.2	72	6	8.76	+4.37	12
1899	34.4	−0.8	68	−18	6.23	+1.84	11
1900	37.2	+2.0	77	− 8	2.80	−1.59	8
1901	36.7	+1.5	75	4	1.85	−2.54	7
1902	33.7	−1.5	70	5	5.14	+0.75	7
1903	34.8	−0.4	82	− 9	2.50	−1.89	9
1904	32.3	−2.9	70	− 9	3.17	−1.22	10
1905	27.5	−7.7	70	−15	2.83	−1.56	11
1906	39.7	+4.5	80	− 9	3.48	−0.91	8
1907	43.2	+8.0	83	−11	8.02	+3.63	14
1908	33.0	−0.2	62	7	2.20	−2.19	8
1909	38.	+3.1	77	− 8	3.47	−0.92	9
1910	33.8	−1.4	70	−20	4.41	+0.02	10
1911	39.7	+4.5	73	−16	2.88	−1.51	11
1912	25.9	−9.3	61	−20	3.09	−1.30	8
1913	42.5	+7.3	76	13	11.41	+7.02	14
1914	39.4	+4.2	79	5	2.31	−2.08	6
1915	33.0	−2.2	65	0	5.03	+0.64	13
1916	41.2	+6.0	78	− 5	7.27	+2.88	14
1917	36.7	+1.5	74	−17	6.38	+1.99	12
1918	20.6	−14.6	62	−20	5.09	+0.70	14
1919	37.9	+2.7	68	− 1	3.62	−0.77	7
1920	33.4	−1.8	72	− 6	6.75	+2.36	10
1921	39.7	+4.5	71	12	3.06	−1.33	10
1922	34.6	−0.6	67	1	2.25	−2.14	8
1923	41.0	−5.8	68	11	6.11	+1.72	12
1924	31.3	−4.2	66	− 8	5.45	+0.67	9
1925	35.8	+0.3	66	− 9	2.60	−1.78	10

Climatological Data for January, 1925.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	21	37.8	+ 2.2	65	7	− 3	28	55	2.05	−2.22	0.50	5.0	8	14	8	9	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	43	35.5	+ 1.5	62	7	0	28	29	1.71	−2.92	0.38	2.5	8	11	8	12	n.	E. W. Horr.
Calhoun	McLean	437	21	[a]36.6	− 0.1	61[b]	7	10[b]	28	32[b]	1.50	−3.38	0.33	3.0	11	5[b]	14[b]	10[b]	nw.	W. A. Taylor.
Earlington	Hopkins	420	35	36.8	+ 1.5	62	7	− 1	28	32	2.06	−2.42	0.75	3.0	10	16	3	12	n.	Brick Southworth.
Greenville	Muhlenburg	519	8	36.6	.....	66	7	− 4	28	34	1.61	.....	0.49	3.5	11	13	7	11	s.	C. R. Lovell.
Hopkinsville	Christian	524	29	37.6	− 0.4	64	7	− 1	28	42	1.74	−3.39	0.47	2.5	11	9	4	18	sw.	W. E. Graves.
Marion	Crittenden	571	27	36.8	+ 0.8	61	8[a]	− 1	28	37	2.18	−1.79	0.55	2.2	8	17	4	10	sw.	B. C. Paris.
Mayfield	Graves	364	16	37.2	+ 0.6	62	7	1	28	37	1.11	−3.40	0.37	3.0	7	16	4	11	nw.	N. E. Douthit.
Owensboro	Daviess	479	28	35.4	− 0.1	58	7	0	28	33	1.75	.....	0.50	3.0	8	13	8	10	se.	Henry S. Berry.
Paducah (near)§	McCracken	516	8	36.0	.....	60	8	1	28	35	1.21	−3.42	0.41	3.0	7	.....	.....	.....	.....	J. W. Lilley
Paducah	McCracken	341	36	.....	.....	.....	.....	.....	.....	.....	1.56	−2.69	0.45	5.0	9	13	7	11	n.	Frank L. Brown.
Princeton	Caldwell	529	18	36.2	+ 0.6	61	7	2	28	32	1.54	.....	0.55	2.0	7	.....	.....	.....	.....	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	344	1	.....	.....	.....	.....	.....	.....	.....	2.01	−3.68	0.34	2.2	10	11[b]	2[b]	16[b]	s.	Thos. L. Wetzell.
Russellville	Logan	590	14	36.2	+ 0.9	63	7	1	28	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	24	32.4	− 0.6	59	7†	− 6	28	48	2.07	−2.01	0.58	5.5	9	12	4	15	ne.	C. E. Barret.
Bardstown	Nelson	637	28	34.4	− 1.5	60	7	− 5	28	30	2.92	−1.91	0.58	4.0	8	13	2	16	sw.	Chas. M. Talbott.
Bowling Green	Warren	500	37	37.3	+ 0.7	61	7	1	28	34	2.68	−1.96	0.60	2.0	10	15	6	10	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	1.61	.....	0.36	1.6	12	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	8	.....	.....	.....	.....	.....	.....	.....	2.35	.....	0.58	1.0	13	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	34	.....	.....	.....	.....	.....	.....	.....	4.34	−0.21	0.75	2.5	12	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	26	.....	.....	.....	.....	.....	.....	.....	1.59	−2.05	0.56	.....	11	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	11	.....	.....	.....	.....	.....	.....	.....	1.65	−2.49	0.43	4.2	9	.....	.....	.....	.....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	1	35.5	.....	59	7	0	28	31	3.22	.....	0.66	1.5	14	12	3	16	s.	Geo. Henry Ellis.
Eubank	Pulaski	1177	31	36.6	+ 1.6	65	25	− 1	28	43	3.32	−1.15	0.87	4.0	10	6	7	18	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	33	35.0	− 1.0	58	7	− 2	28	37	3.69	−0.44	1.14	5.0	11	14	0	17	w.	Sidney Wood.
Franklin	Simpson	691	30	[a]39.2	+ 0.6	60[a]	7	24[a]	14	38[a]	1.66	−2.80	0.50	5.0	10	13	3	15	n.	Jos. H. Blewett.
Geat, Lock 3	Henry	449	14	.....	.....	.....	.....	.....	.....	.....	2.40	−2.12	1.12	.....	10	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	4	38.0	.....	60	7	− 2	28	44	2.97	.....	0.81	4.0	9	14	3	14	w.	Dr. Fidella Edwards.
Grant, Dam 38	Boone	506	0	.....	.....	.....	.....	.....	.....	.....	1.42	.....	0.96	.....	8	.....	.....	.....	.....	W. L. Patchell.
Greensburg	Green	581	32	36.2	+ 1.5	61	7	− 2	28	41	2.03	−1.58	0.71	2.2	13	10	1	20	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	23	.....	.....	.....	.....	.....	.....	.....	3.36	−1.03	1.02	5.5	12	.....	.....	.....	.....	Miss Lula Wood.
Irvington	Breckenridge	646	27	35.4	− 0.8	59	7†	− 2	28	28	2.03	−2.39	0.82	2.5	8	14	3	14	sw.	W. J. Figgott.
Junction City	Boyle	985	31	36.6	+ 1.5	60	7	− 6	28	39	3.33	−1.66	0.83	5.5	14	5	16	10	s.	William E. Grabbs.
Leitchfield	Grayson	635	29	36.0	+ 1.0	58	7†	− 1	28	30	2.39	−2.26	1.55	4.0	10	10	11	10	s..	H. H. Willis.
Lexington	Fayette	989	37	32.8	− 0.1	57	7	− 4	28	39	3.41	−0.42	0.86	5.1	13	12	1	18	sw.	U. S. Weather Bureau.
Little Blickman, Lock 8¶	Jessamine	523	14	.....	.....	.....	.....	.....	.....	.....	3.34	−1.40	1.03	3.0	11	.....	.....	.....	.....	Horace Cauter.
Lockport, Lock 2	Henry	436	15	.....	.....	.....	.....	.....	.....	.....	2.18	−2.26	0.97	3.5	10	.....	.....	.....	.....	Andrew J. Keenan.
LOUISVILLE	Jefferson	525	52	34.1	− 0.3	59	25	− 2	28	35	2.02	−1.88	0.94	6.0	11	8	9	14	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	15	33.6	− 1.0	57	7†	− 5	28	30	2.07	−2.43	0.83	5.5	6	9	10	12	s.	Wm. I. Hunt.
Munfordville	Hart	570	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pilcher (Dam 43)	Hardin	363	2	.....	.....	.....	.....	.....	.....	.....	2.22	.....	0.63	4.0	8	.....	.....	.....	.....	W. D. Farnsley.
St. John	Mercer	777	29	35.2	+ 1.1	58	7	− 4	28	33	2.00	−2.57	0.80	6.0	7	17	4	10	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Kenton	490	11	.....	.....	.....	.....	.....	.....	.....	4.11	−0.39	1.15	.....	9	.....	.....	.....	.....	Ernest M. Searcy.
Scott¶	Shelby	960	27	32.5	− 0.6	56	7	− 6	28	33	2.00	−2.09	0.65	7.5	12	8	10	13	s.	E. B. Wilson.
Shelbyville	Spencer	825	36	[a]35.6	+ 2.3	[a]57	7†	− 2[a]	28	43[a]	.....	.....	.....	.....	.....	15[a]	5[a]	8[a]	w.	Mrs. W. T. Miller.
Taylorsville	Anderson	489	23	33.4	− 0.8	57	7	− 8	28	36	2.93	−1.53	0.70	4.0	10	14	6	11	sw.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	476	7	.....	.....	.....	.....	.....	.....	.....	3.07	.....	0.92	4.0	8	.....	.....	.....	.....	H. E. Vaughn.
Williamstown	Grant	943	22	32.0	− 0.4	55	7	− 9	28	31	2.28	−1.35	0.76	10.0	12	8	7	16	w.	Mrs. E. S. Humlong.
Woodbury, Lock 4‡	Butler	533	8	.....	.....	.....	.....	.....	.....	.....	2.06	.....	0.46	3.0	12	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	8	36.4	.....	60	7	− 8	28	43	3.55	−1.06	1.10	3.0	8	12	0	19	w.	W. B. Shaw.
Beattyville	Lee	650	21	36.2	+ 1.3	61	7	− 2	28	44	3.79	−0.95	0.65	5.0	15	7	6	18	n.	Mrs. Sabina E. Hall.
Berea	Madison	1050	23	36.4	0.0	60	7	− 5	28	38	3.45	−1.30	1.14	4.3	14	10	4	17	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	15	.....	.....	.....	.....	.....	.....	.....	3.00	−2.04	1.05	5.0	13	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	684	7	.....	.....	.....	.....	.....	.....	.....	3.16	.....	1.03	3.0	12	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	690	36	.....	.....	.....	.....	.....	.....	.....	2.39	−1.31	0.81	5.5	10	11	4	16	se.	J. V. Oldham.
Farmers	Rowan	668	19	34.4	− 0.4	62	7	− 8	28	52	3.65	−0.77	0.50	5.0	10	10	4	17	w.	Mrs. Edna Tinsley.
Ford, Lock 10¶	Clark	559	9	.....	.....	.....	.....	.....	.....	.....	2.98	−1.79	0.95	2.1	12	.....	.....	.....	.....	John A. Walters.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hazard	Perry	.....	0	.....	.....	.....	.....	.....	.....	.....	3.30	.....	0.87	5.0	10	.....	.....	.....	.....	Chas. A. Ihrig.
Heidelberg, Lock 14	Lee	629	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	0	.....	.....	.....	.....	.....	.....	.....	2.98	−0.73	0.94	.....	11	.....	.....	.....	.....	John S. Lane.
Louisa	Lawrence	584	21	.....	.....	.....	.....	.....	.....	.....	2.49	−1.67	0.83	4.5	14	9	8	14	sw.	Russian Copley.
Maysville	Mason	524	28	33.8	+ 0.7	59	8	− 3	30	42	.....	.....	0.83[c]	.....	.....	11[c]	3[c]	10[c]	.....	Perry E. Bennett
Middlesboro	Bell	1128	29	[a]41.1	+ 3.3	59[a]	18	12[a]	14	35[a]	2.83	−1.89	0.80	4.2	14	16	2	13	w.	B. H. Perkins.
Mount Sterling	Montgomery	930	35	32.6	− 1.0	56	7	− 3	28	.....	3.19	.....	0.92	2.7	12	.....	.....	.....	.....	W. R. McKee.
Oliver, Dam 30	Greenup	540	5	.....	.....	.....	.....	.....	.....	.....	1.76	.....	0.80	5.0	6	.....	.....	.....	.....	M. W. Kinner.
Oneonta, Dam 35	Campbell	443	3	.....	.....	.....	.....	.....	.....	.....	4.04	−0.09	1.12	4.0	13	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	19	.....	.....	.....	.....	.....	.....	.....	3.22	.....	0.92	5.0	8	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	0	.....	.....	.....	.....	.....	.....	.....	2.68	.....	1.10	5.0	9	.....	.....	.....	.....	F. C. Hall.
Ravenna, Lock 12	Estill	593	7	.....	.....	.....	.....	.....	.....	.....	2.82	−1.69	0.60	5.0	13	13	4	14	.....	Walter P. Bush.
Richmond	Madison	926	34	35.6	+ 1.3	63	7	− 6	28	47	3.20	.....	0.85	8.1	10	19	3	9	ne.	J. W. Crooke.
Sergent	Letcher	1235	2	39.2	.....	58	7†	12	27†	46	3.38	−1.63	0.85	4.0	15	.....	.....	.....	.....	A. K. Williams.
Valley View, Lock 9	Madison	541	12	.....	.....	.....	.....	.....	.....	.....	3.67	−0.40	0.93	5.0	13	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Samuel Johnson.
Whitesburg	Letcher	1162	0	.....	.....	.....	.....	.....	.....	.....	4.22	−0.37	0.93	3.5	8	13	14	4	.....	G. H. Zimmerman.
Williamsburg	Whitley	939	28	38.6	0.0	61	7	− 1	28	44	3.30	.....	0.95	5.5	9	.....	.....	.....	.....	Lawrence R. Uhl.
Willow, Lock 13	Lee	611	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Shelby Angel.
State averages and extremes				35.8	.....	66	7	− 9	28	55	2.60	.....	1.55	4.1	10	12	6	13	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oak.

† Precipitation is less than 0.01 inch rain or melted snow

‡ Also on other dates. †† Received too late to be included in means and summaries

¶Post-office addresses: – Lock 5, Lawrenceburg, Ky. ; Lock 6, Versailles, Ky. ; Lock 8, Nicholasville, Ky. ; Lock 10, Red House, Ky. ; Scott, Covington, Ky.

Daily Precipitation for January, 1925

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G	.20								.10		.30	.25				.25	.15		.30								.50					
Blandville ..... M	.01								.03		.31	.19			T	.38			.20								.27					
Calhoun ..... G	.08	.01							.02		.21	.03	.11			.28	.11		.22	.07					T							
Carlington ..... G	.07								.05		.32	.11	.24				.16		.23	.07					.12		.75					
Catlettsville ..... G	.04	.02							.10		.49	.06	.10			.21	.05		.27	.04					T.		.23					
Hopkinsville C	.04								.10		.40	.09	.07			.17	.12		.18	.02					.08		.47					
Marion ..... O									T.		.28	.18				.20	.15		.27								.25					
Mayfield ..... M	T.	T.							.20	T.	.45	.25	.02		.32	T	T		.35								.53					
Owensboro ..... O	T.	T.									.04	.11	T.			.37			.17	.11					.01		.57					
Paducah (near) ¶ ..... O	.15										.35	.10	.10			.25			.25						.15		.16					
Paducah ..... O									T.	.10	T.	.20	.04			.20	.10		T	.16					.05		.70					
Princeton ..... G	.06	T.							.02		.23	.20				.21	.04		.24								.11					
Ramsey, Lock No. 2 ..... G		.18									.06	.12	T.			.21	.04		.24						.10		.45					
Russellville ..... G	.10	.02							.34		.19	.21	.22			.34			.13	.15							.55					
Central Division																											.30					
Anchorage ..... O	.08	T.									.12	.03	T.			.35	.09		.38	.31					.13		.58					
Bardstown ..... S	.10										.46		.34			.48	.15		.36	.45							.58					
Bowling Green ..... B	.05	.20							.05	.05	.45	.25	.33				.50			.60							.20	T.				
Bowling Green, No. 2 ..... G	.05	.04							.02	.04	.06	.34	.16				.36	.02	T.	.31							.19	.02				
Brownsville, Lock No. 6 ..... G	.11	.05							.04	.05	.24	.25	.26				.42	.05		.58	.05						.24	.01				
Burnside C	.29	.40	T.							.05	.75	.15	T.		.56	.01	.08		T.	.56							.40	.02				
Carrollton ..... (Lock No. 1) K		.16									.01	.16	.02			.16	.12			.56					.04	.70	.12	T.				
Cloverport ..... O	T.	.06									.04	.18	.03			.43	.34			.12					.01	.36		.01	.02			
Dix Dam, Burgin ..... K		.16	T.		T.			.01	.07	.05	.66	.04	.21			.26	.13		.63	.43	T.				T.	.40	.02					
Eubank C	.35	.20									.31	.61	.30			.02	.35			.87					.07	.44		.06				
Frankfort ..... K		.15	T.					.08	T.	.18	.40	.30	T			.10	.68	.05		1.14					T.	.30			.01			
Franklin ..... G	.03					.01		.10	.02	.07		.20				.28			.30	.15						.58	.03	T.	T.			
Frost, Lock No. 3 ..... K	.10	.15	T.		T.					.08	.20	.06				.04	.34	T.		1.12					T.	.50						
Glasgow ..... G	.31								.05		.81		T.			.24	.15		.68	.10					.26	.32	.04	T	.05			
Grant, Dam 38 ..... O		.19	.01	.01								.01	.15			.06				.96						.40						
Greensburg ..... G		.11							.05	.01	.71	.38	.10			.06	.17		.59	.15					.03	.03		T.	T.			
High Bridge, Lock No. 7 ..... K		.16								.04	.32	.27	.38			.07	.39	.05		1.02						.52	.05					
Irvington ..... O	.03								T.		.22	T.	.06			.82	.08		.26	.12					T.	.51	.10	.05				
Junction City ..... K	.10	.16							.13	.04	.83	.08	.25	T.		.10	.12	T.	.13	.45		.01			.03	.44						
Leitchfield ..... G	.01								T.	.01	.03	T.	.15			1.55	.15		.04	.02					.03	.40		T.				
Lexington *** ..... K	.16		T.		T.		.01	T.	.04	.25	.33	.05				.59	.19		.76	.10					.03	.40						
Little Hickman, Lock No. 8 ..... K	.05	.27					T.		.10	.60	.30	.25				.13	.23			1.03					.47	.42		.07				
Lockport, Lock No. 2 ..... K	.13	T.	T.		T.					.07	.16	T.				.05	.24	T.		.97					T.	.28	T.	.10				
LOUISVILLE *** ..... O	.07	T.	T.							.01	.21	.06	T.		.01	.22	.05		.35	.09					.02	.52	.01	.01	T.			
Do. (Cherokee Park) ..... O	.06	T.							T.		.13	T.				*	.51		.18	.36					.81	.14		T.				
Munfordville ..... G																										.83		T.				
Nicholasville ..... K																																
Nicholas Dam 43 ..... O		.05								.09	.22	.11				.22	.63			.40					T.	.50	T.		T.			
Port John ..... S	.04	.05									.04								.65	.80					.02	.10						
Poplarville, Lock No 6 ..... K		.22						.10		.15	.45	.52				.25	.52			1.15					.75		T.					
Prestonburg L	.05	.18						T.		.12	.05	.05				.10	.10		.10	.65					.14	.35		.11				
Taylorsville ..... S	.01	.08				T.			T.	T.	.38	.04	.10			.68	.16		.68	.70						.40						
Tyrone, Lock No. 5 ..... K	.10		T.								.42	.36				.75		.02	.92						.30	.20		T.				
Williamstown L	.13	.13	T.								.16	.05	.03			.20	.09		.10	.76					.08	.48		.07				
Woodbury, Lock No. 4 ..... G		.09						.03	.05	.03	.21	.24	.24			.06	.28	.03	T.	.46						.34	T.					
Eastern Division																																
Ashland ..... O		.15									.40	.30					.95	.10		1.10						.40	.15					
Beattyville ..... K	.42	.19	.02							.32	.65	.40	.15	.02		T.	.16	.02		.64						.34	.38	.04	.04			
Berea ..... K	.05	.15							.04	.16	.74	.06	.08			.11	.16	T.	.88	.26					.11	.68		.03				
College Hill, Lock No. 11 ..... K	.10	.22						T.		.10	.42	.35	.20			.12	.22	T.		1.05					T.	.10	.08	.02	.02			
Crabbottom L		.20	.03	T.		.04	.05				.18	.38	.24			.03	.60	.03		1.03	T.					.35	T.					
Dalmouth L		.18	T.								.06	.31	.14	T.		.10	.16			.81					.05	.51		.07	T.			
Farmers L	.10	.25						T.			.35	.25	.15	T			.60			1.08						.50	.24	T.	.13			
Garfield ..... K	T.	.20				T.		.02		.06	.56	.32	.16	T.		.07	.37	T.		.95	T					.24	.02	.01	T.			
Hazard ..... K																																
Heidelberg, Lock No. 14 ..... K		.14					.03		T.	.24	.67	.47	.08	T.		T.				.87	T					.36	.30	T.	.14			
Hindman ..... K								.05		.16	.15	.50	.14	.10						.94	.03					.47	.23	.12				
Louisa ..... B																																
Marysville ..... O		.25	T.						.03		.02	.29	.27			.05	.32	.03		.83	.01				T.	.26	.04	.04	.05	T.		
Middlesboro C	.33	.35							.44	.55	.83	.05				.14				.20	.25											
Mount Sterling L	.10	.20								.11	.08	.16	.12	.10		.24	.16	T.	.80	.15					.20	.37		.05				
River, Dam 30 ..... O		.20									.17	.12	.15			.12	.73			.92	.02				T.	.45	.15	.06	.16			
Seaton Dam 35 ..... O		.28										.23				.09	.18			.80						.18	T.	T.	T.			
Shelbyville ..... B	1.12	.12						.06		.50	.42	.33	.03				.07			.32	.03					.42	.40	.22				
Stevenson ..... B	.92	.10						.10			.80	.20	.10							.50												
Stevenna, Lock No. 12 ..... K		.20	.30						.10	.35	.25					T.	.20	T.		1.10					.50							
Richmond ..... K	T.	.10						.04	.03	.02	.20	.60	.04			.14	.20		.20	.60					T.	.12	.36	T.				
Urgent ..... K	.40							.20	.70	.60	.10					.10			.10	.10	T.				T.	.58		.07				
Valley View, Lock No. 9 ..... K	.12	.02						.08	.02	.15	.85	.10	.05			.38	.15		.80	.20						.05		.85				
Vanceburg, Dam No. 32 ..... O		.70										.50	.16			.09	.55		.02	.93	.03				.08	.28		.10				
Whitesburg ..... K																									.01	.49	.09	.06	.04			
Williamsburg C	.68	.15					T.		.93	.70	.14					T				.60												
Willow, Lock No. 13 ..... K	.25	.14							.22	.55	.37					.16				.95					.60	.42						
																									.31	.25						

Stations	Total
Western Division	
Beaver Dam ..... G	2.55
Blandville ..... M	2.71
Calhoun ..... G	1.76
Carlington ..... G	2.06
Catlettsville ..... G	1.61
Hopkinsville C	1.74
Marion ..... O	1.23
Mayfield ..... M	2.25
Owensboro ..... O	2.18
Paducah (near) ¶ ..... O	1.11
Paducah ..... O	1.75
Princeton ..... G	1.21
Ramsey, Lock No. 2 ..... G	1.26
Russellville ..... G	1.54
Central Division	2.91
Anchorage ..... O	2.67
Bardstown ..... S	2.52
Bowling Green ..... B	2.08
Bowling Green, No. 2 ..... G	1.91
Brownsville, Lock No. 6 ..... G	2.35
Burnside C	4.34
Carrollton ..... (Lock No. 1) K	1.59
Cloverport ..... O	1.65
Dix Dam, Burgin ..... K	3.22
Eubank C	3.32
Frankfort ..... K	3.69
Franklin ..... G	1.66
Frost, Lock No. 3 ..... K	2.40
Glasgow ..... G	2.97
Grant, Dam 38 ..... O	1.42
Greensburg ..... G	2.93
High Bridge, Lock No. 7 ..... K	3.36
Irvington ..... O	2.03
Junction City ..... K	3.23
Leitchfield ..... G	2.39
Lexington *** ..... K	3.41
Little Hickman, Lock No. 8 ..... K	3.34
Lockport, Lock No. 2 ..... K	2.18
LOUISVILLE *** ..... O	2.62
Do. (Cherokee Park) ..... O	2.07
Munfordville ..... G	
Nicholasville ..... K	
Nicholas Dam 43 ..... O	2.22
Port John ..... S	2.60
Poplarville, Lock No 6 ..... K	4.11
Prestonburg L	2.60
Taylorsville ..... S	2.02
Tyrone, Lock No. 5 ..... K	2.93
Williamstown L	3.07
Woodbury, Lock No. 4 ..... G	2.28
	2.06
Eastern Division	
Ashland ..... O	3.55
Beattyville ..... K	3.79
Berea ..... K	3.45
College Hill, Lock No. 11 ..... K	3.60
Crabbottom L	3.16
Dalmouth L	2.39
Farmers L	3.65
Garfield ..... K	2.98
Hazard ..... K	
Heidelberg, Lock No. 14 ..... K	
Hindman ..... K	3.30
Louisa ..... B	
Marysville ..... O	2.98
Middlesboro C	
Mount Sterling L	2.49
River, Dam 30 ..... O	
Seaton Dam 35 ..... O	2.83
Shelbyville ..... B	3.19
Stevenson ..... B	1.76
Stevenna, Lock No. 12 ..... K	4.04
Richmond ..... K	3.22
Urgent ..... K	2.28
Valley View, Lock No. 9 ..... K	2.82
Vanceburg, Dam No. 32 ..... O	3.20
Whitesburg ..... K	3.38
Williamsburg C	3.67
Willow, Lock No. 13 ..... K	4.22
	3.80

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for January, 1925.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Western Division.																																	
Bearer Dam	Maximum	39	35	41	48	54	52	65	57	47	46	46	47	45	50	51	49	48	45	43	50	59	57	47	60	62	58	59	26	37	46	57	49 2
	Minimum	30	29	31	29	22	22	32	26	30	35	34	35	26	16	24	39	35	33	32	32	26	27	27	24	29	27	4	3	22	20	20	26.3
Blandville	Maximum	32	32	43	44	51	51	62	47	48	46	41	41	35	46	47	46	44	39	36	48	56	52	43	56	58	55	28	28	35	47	53	44 8
	Minimum	25	25	30	28	26	24	36	25	33	34	32	29	19	23	29	37	28	25	30	28	27	33	27	27	40	26	10	0	20	14	28	26 2
Calhoun	Maximum	35	33	38	43	..	..	61	59	41	44	45	41	41	42	48	46	46	45	43	48	50	50	48	52	57	57	33	26	34	41	49	[1]44.7
	Minimum	30	29	31	30	..	..	32	27	31	35	34	34	25	19	25	38	35	30	31	31	27	29	24	24	30	33	13	10	21	30	36	[1]28.4
Earlington	Maximum	38	34	40	43	50	51	66	58	50	48	41	41	45	43	54	48	49	42	42	48	56	53	45	56	61	57	32	24	35	42	55	47.3
	Minimum	30	29	31	32	22	22	36	27	33	36	34	35	24	19	25	41	35	31	30	33	27	34	25	27	30	32	12	1	22	12	23	27.4
Greenville	Maximum	38	34	40	43	50	51	66	58	50	48	41	41	45	43	54	48	49	42	42	48	54	57	54	56	57	62	37	24	31	39	55	47.3
	Minimum	29	28	30	29	21	20	37	26	32	34	32	32	23	17	22	39	34	30	30	31	24	29	23	22	30	35	11	4	21	11	22	25.8
Hopkinsville	Maximum	38	37	48	43	53	51	64	59	48	47	44	44	43	42	47	49	52	44	42	49	52	49	48	58	61	61	55	28	37	43	58	48.2
	Minimum	29	30	28	32	25	22	33	29	35	35	33	34	24	19	25	40	35	30	33	32	26	24	24	25	33	36	13	1	23	12	22	27.1
Marion	Maximum	39	32	41	40	37	51	56	61	50	49	43	41	39	39	45	48	47	38	48	50	50	56	52	51	60	61	47	22	32	35	48	45.4
	Minimum	28	27	30	30	27	25	42	26	33	34	34	34	20	23	20	38	33	25	29	30	30	33	23	27	41	47	14	1	18	15	30	28.2
Mayfield	Maximum	37	37	44	45	52	51	62	57	50	46	44	41	41	45	48	46	43	40	40	56	55	55	51	55	56	57	40	38	34	41	42	46.7
	Minimum	28	29	32	31	26	24	42	29	37	36	35	31	22	23	29	32	32	26	26	30	29	35	26	25	36	37	4	1	22	12	22	27.8
Owensboro	Maximum	38	38	38	40	36	56	58	56	44	44	47	44	44	36	44	48	46	45	44	40	46	54	49	36	56	55	57	43	28	31	39	44.4
	Minimum	28	26	26	32	33	30	32	27	32	32	30	32	22	20	27	37	38	27	29	30	37	30	21	23	32	33	10	0	20	7	21	26.3
Paducah (near)	Maximum	39	40	40	41	43	46	56	60	45	47	46	42	43	46	44	46	47	35	39	40	48	48	50	52	56	58	43	25	31	36	53	44.7
	Minimum	28	28	30	30	28	24	40	25	35	36	34	35	21	23	23	38	32	26	31	29	27	33	24	25	33	36	13	1	21	13	27	27.3
Princeton	Maximum	36	35	41	44	51	50	61	58	48	44	43	42	40	44	49	48	48	41	38	47	54	53	49	56	60	55	32	26	34	40	54	45.8
	Minimum	29	28	30	28	23	23	29	28	35	35	34	35	22	19	26	40	34	29	31	31	27	28	25	24	30	32	13	2	23	12	22	26.7
Russellville§§	Maximum	35	36	42	45	50	53	63	47	41	40	38	45	36	46	48	51	42	42	40	49	55	56	39	58	59	57	29	27	35	43	56	45.3
	Minimum	31	32	30	31	24	24	24	30	30	36	35	34	28	21	23	33	37	33	34	33	28	31	25	30	50	15	1	6	13	14	27.2
Central Division.																																	
Anchorage	Maximum	36	35	35	41	48	45	59	49	48	44	36	39	39	44	47	45	43	42	33	38	48	50	32	52	59	53	29	22	28	49	49	42.5
	Minimum	27	30	31	26	22	22	24	24	24	28	31	28	19	15	21	36	34	30	26	26	23	29	19	18	27	27	6	6	8	1	15	22.3
Bardstown	Maximum	38	38	36	43	50	50	60	54	39	41	42	42	34	44	45	47	45	40	35	40	53	51	45	50	55	55	35	20	27	32	46	43.0
	Minimum	30	31	32	26	21	23	30	30	31	34	32	31	25	17	22	37	37	31	30	32	25	29	20	20	32	35	9	5	18	6	20	25.7
Bowling Green	Maximum	37	37	40	40	53	49	61	51	43	43	40	46	44	46	50	50	50	43	41	48	56	54	50	55	60	64	42	26	36	42	57	46.4
	Minimum	32	31	33	30	22	26	30	32	31	36	34	33	27	20	25	38	38	33	33	33	27	32	24	22	35	41	13	1	23	16	23	28.2
Dix Dam	Maximum	38	39	37	43	51	44	59	53	38	38	39	42	42	44	45	54	48	42	38	38	53	51	44	56	54	56	44	26	32	40	52	44.5
	Minimum	30	33	33	29	23	27	29	31	28	35	32	31	25	19	23	32	38	32	30	33	25	30	19	23	28	44	11	0	20	10	18	26.5
Eubank	Maximum	40	40	38	43	39	48	59	54	40	41	40	45	43	43	47	55	57	43	39	43	53	54	48	55	65	53	52	27	32	38	53	46.0
	Minimum	30	35	30	30	20	33	36	32	32	35	31	33	25	16	23	37	43	33	32	33	23	30	18	21	36	45	9	1	22	4	16	27.2
Frankfort	Maximum	38	39	38	40	47	47	58	56	42	44	44	42	43	40	46	47	47	43	43	48	49	49	47	52	55	55	43	24	30	36	49	44.2
	Minimum	29	32	32	30	26	28	26	31	28	35	33	29	25	20	23	36	37	34	28	33	25	31	19	20	27	41	10	2	19	4	12	25.8
Franklin	Maximum	37	38	40	44	54	53	60	59	48	42	40	47	45	49	51	50	44	43	40	46	55	56	56	45	56	54	42	23	35	42	52	46.6
	Minimum	30	31	30	31	26	25	38	31	35	31	34	34	35	24	27	39	38	31	..	..	..	..	..	..	..	..	..	..	..	..	..	[2]31.7
Glasgow	Maximum	46	45	40	45	50	49	60	54	44	40	47	47	43	44	49	54	50	43	41	41	44	50	55	55	57	55	57	46	28	34	40	46.7
	Minimum	30	34	30	25	28	26	33	31	35	36	33	33	26	20	31	42	40	32	33	33	32	34	24	25	38	46	20	2	23	24	11	29.2
Greensburg	Maximum	40	41	38	41	51	49	61	56	43	41	41	46	40	45	48	55	52	43	42	42	54	56	50	57	59	56	52	25	34	42	56	46.7
	Minimum	30	32	32	25	19	23	24	32	30	35	33	32	25	15	23	40	40	32	32	33	22	24	22	20	27	50	12	2	22	6	15	25.6
Irvington	Maximum	36	36	37	39	48	48	59	50	41	43	41	43	41	43	47	47	44	41	36	45	52	50	37	52	59	55	30	23	33	38	50	43.3
	Minimum	29	29	32	31	26	26	36	30	33	33	32	31	26	21	27	37	36	31	30	32	29	36	21	25	36	30	9	2	20	10	26	27.4
Junction City	Maximum	39	38	41	46	48	50	60	55	54	39	39	42	42	43	45	55	54	43	42	40	56	56	56	57	54	55	42	25	31	42	51	46.5
	Minimum	29	32	33	30	22	18	26	30	25	33	32	32	25	27	33	39	43	38	35	38	38	20	25	20	32	39	6	6	20	3	13	26.6
Leitchfield	Maximum	35	35	36	42	49	46	58	54	40	43	42	41	40	44	45	49	48	41	43	45	52	52	45	52	58	55	40	23	34	41	52	44.5
	Minimum	30	30	31	28	24	26	35	33	34	34	32	32	25	20	27	38	37	32	31	32	28	32	22	25	35	40	10	1	19	13	26	27.6
Lexington	Maximum	39	34	35	39	46	50	57	43	38	38	35	41	30	38	46	48	43	38	37	37	48	47	30	51	53	55	16	22	29	34	47	40.1
	Minimum	26	32	30	29	27	28	35	31	32	34	29	29	21	20	32	36	33	31	25	31	27	27	16	23	39	16	1	4	18	13	26	25.6
Louisville	Maximum	37	32	37	40	47	45	58	45	41	4	35	41	32	42	47	47	40	41	34	40	50	50	31	52	59	55	20	23	30	39	50	41 4
	Minimum	27	30	31	31	26	30	36	31	32	32	30	28	24	23	29	37	34	30	27	32	27	30	20	24	40	20	6	2	21	18	27	26.8
Do. (Cherokee Park)	Maximum	36	35	36	38	47	45	57	43	42	43	34	40	33	42	46	46	40	41	34	38	48	49	32	51	57	56	16	23	32	37	47	40.8
	Minimum	28	30	31	31	26	28	34	29	31	31	32	29	24	21	26	36	36	34	30	27	32	26	26	20	21	33	48	9	5	18	9	26.4
St. John	Maximum	36	34	42	43	50	50	58	55	44	44	42	43	42	46	45	45	45	39	41	43	48	55	47	50	57	49	40	25	34	47	40	44.5
	Minimum	30	28	28	29	31	30	33	33	35	35	34	32	30	24	28	35	36	32	29	32	22	20	22	20	24	30	27	10	4	15	15	26.0
Scott	Maximum	40	39	45	44	41	43	56	53	41	42	39	36	36	40	41	45	43	42	36	36	47	45	37	50	52	52	28	22	24	36	41	41.0
	Minimum	23	29	28	29	28	25	33	28	25	28	28	24	22	25	22	39	33	28	22	30	22	35	14	17	34	28	7	6	16	6	21	24.0
Shelbyville	Maximum	..	..	..	46	48	47	57	47	40	39	38	43	42	44	51	49	44	43	41	40	49	50	45	53	57	54	49	26	34	39	48	°45.1
	Minimum	..	..	..	27	24	25	31	28	28	28	27	28	22	22	24	43	35	32	32	31	25	29	26	20	40	29	6	2	24	18	28	°26.1
Taylorsville	Maximum	38	39	36	41	46	46	57	55	41	43	43	41	41	45	45	45	45	41	41	38	47	50	46	52	56	56	38	22	26	32	42	42.6
	Minimum	30	30	32	26	22	24	24	27	25	35	31	30	25	17	22	35	37	33	29	33	24	28	21	20	26	36	10	8	15	4	11	24.1
Williamstown	Maximum	39	38	34	37	45	44	55	53	40	40	39	37	37	38	43	45	45	41	39	33	44	44	40	49	50	50	33	22	26	35	47	40.7
	Minimum	27	30	30	29	27	25	37	28	29	29	25	21	16	23	33	33	33	20	22	30	23	24	14	18	31	31	6	9	15	4	21	21.4
Eastern Division.																																	
Ashland	Maximum	45	42	40	44	48	49	60	59	45	39	40	46	44	42	47	59	50	43	47	41	53	51	46	54	55	59	55	34	37	39	52	47.3
	Minimum	31	37	34	30	28	27	25	32	24	35	32	32	26	20	22	30	38	33	25	25	30	17	17	27	36	12	8	13	12	12	25.5
Beattyville	Maximum	38	42	43	46	53	53	61	56	40	41	41	47	46	46	49	56	55	44	41	43	58	56	49	60	55	56	54	31	37	45	61	48.2
	Minimum	30	35	25	37	18	23	18	34	25	35	33	33	26	14	18	31	42	34	28	33	24	24	19	16	25	36	10	2	15	4	7	24.3
Berea	Maximum	41	43	39	44	50	47	60	52	40	40	40	44	43	43	47	55	52	42	37	42	53	53	42	57	55	56	45	25	34	38	52	45.5
	Minimum	30	35	34	31	22	26	32	30	27	34	32	32	25	19	29	41	38	32	31	34	23	34	18	21	41	45	7	5	18	10	24	27.4
Farmers	Maximum	43	41	41	43	54	50	62	54	39	40	39	44	43	45	49	57	57	44	41	40	56	54	46	58	57	59	55	28	34	42	55	47.4
	Minimum	25	33	31	25	25	22	18	27	20	30	30	31	22	11	21	27	36	30	28	31	23	22	14	14	25	32	11	8	12	2	3	21.4
Harlan	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Hindman	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Maysville	Maximum	35	44	36	37	42	47	46	59	47	39	41	34	40	30	41	56	46	44	48	39	50	48	45	55	51	54	55	24	33	37	48	43.6
	Minimum	29	30	30	31	28	24	24	29	22	29	32	30	25	17	18	23	36	32	25	33	23	32	17	16	28	43	13	0	15	3	12	24.0
Middlesboro	Maximum	45	45	45	47	48	50	56	54	55	52	54	50	48	41	47	56	57	59	50	45	52	57	54	50	..	..	..	..	..	..	..	°50.7
	Minimum	40	40	42	37	28	30	32	36	45	47	45	45	32	12	15	26	38	33	38	33	32	19	20	20	18	..	..	..	..	..	..	°31.5
Mount Sterling	Maximum	38	36	36	40	48	45	56	44	39	37	39	41	30	41	40	48	41	39	35	42	49	48	49	54	51	49	13	24	35	39	49	41.1
	Minimum	26	31	30	30	24	26	28	30	26	33	32	31	23	16	20	33	36	26	31	32	21	24	16	19	28	30	8	3	15	7	20	24.2
Richmond	Maximum	37	38	37	39	49	47	63	54	40	39	40	42	43	42	49	53	51	42	40	40	51	52	46	53	54	56	55	28	32	35	50	45.1
	Minimum	28	32	31	29	22	27	33	29	28	32	30	30	22	18	26	35	37	29	34	30	24	32	16	20	38	44	8	6	20	8	21	26.0
Sergent	Maximum	46	45	49	50	55	53	58	55	43	50	55	48	47	45	49	57	56	53	47	45	58	58	53	58	57	55	58	39	40	40	55	50.9
	Minimum	32	38	37	22	22	26	20	37	28	40	39	38	28	19	20	33	45	38	31	28	26	26	22	19	28	22	12	12	20	20	16	27.5
Williamsburg	Maximum	45	46	47	49	59	56	61	56	43	51	47	47	46	49	42	53	48	44	46	59	59	52	53	55	56	58	36	38	43	55	49.8
	Minimum	28	27	25	29	20	25	22	38	27	41	35	36	26	17	22	30	46	36	34	36	26	25	23	21	36	44	14	1	22	15	19	27.3

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

[1] [2] etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville. 2-26-25

UNKE

APR 2 1925

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXX LOUISVILLE, KY., FEBRUARY, 1925. No. 2

GENERAL SUMMARY.

Moderate temperature, interspersed with spring-like periods of several days duration, prevailed until near the end of the month. Light precipitation and somewhat more than the average amount of sunshine also contributed to the awakening of vegetation. Some early shrubs began to put out leaves toward the end of the warm period, and indications of swelling buds caused alarm among fruit growers. The severe cold, with which the month closed, checked these untimely tendencies to blossom, before they advanced far enough to expose the buds to general injury. It was believed that plums, which showed the greatest advancement, were somewhat damaged. The unseasonable weather resulted in considerable growth and marked improvement in grass and winter grains. In the last sown wheat the beginning of growth indicated that the plants, although small, were still rooted with some firmness and gave fair promise of a crop where the stand was good. Saturation of the soil from the occasional rains was only temporary, and drainage was much better than usual for a winter month. For this reason the night freezes had little effect in lifting the roots of wheat and grass out of the ground. Although the freezes of the last few days probably caused some injury, following as they did a period of growth, the condition of the wheat crop as a whole remained fair to good, and generally rather better than anticipated earlier in the winter. The comparative dryness of the soil led to excellent progress in breaking of sod land and other early plowing. Many tobacco plantbeds, estimated at more than one-half of the total number required, were sown near the middle of the month. Heavy rains about the 22d stopped outdoor work, and the severe cold that followed prevented further progress. Conditions were especially favorable for young lambs, hence the usual large losses from inclement weather were not sustained this year. Except that lack of moisture kept tobacco out of condition much of the time, the weather was suitable for stripping, which was about completed; and also for marketing, which was aided greatly by the improvement in dirt roads.

TEMPERATURE.

The average temperature for the month, based on reports from 43 stations, was 44.0°, which is 8.0 above normal. Except in 1890, this is the highest average temperature for February since State records were established. With the exception of two or three days, temperatures above normal prevailed from the 1st to 25th. In the periods 5-10th and 20th-23d, the excess ranged from 10° to 30°, and maxima of 60° to 75° were registered in all districts. In the short periods of sub-normal temperature, 11-12th and 26-28th, minima ranged from 10° to 20°. Extremes for the State were 76° at Farmers and Franklin on the 8th, and at Princeton on the 7th, and 8° at Junction City on the 12th and 28th.

PRECIPITATION.

The average precipitation, 71 stations reporting, was 3.91 inches, which is 0.38 inch above normal. Moderate to heavy rain occurred in the periods, 1st-2d and 21st-25th; and light showers on the 9th and 15th. Snow, ranging from flurries in the western counties to 2.0 inches in a part of the bluegrass region, fell on the 11th. In most of the mountain region, the eastern bluegrass, and near the Ohio River, the monthly precipitation ranged between 2.0 and 3.5 inches. Near the southern border and in a broad strip extending from the lower Licking Valley to the southwestern counties, it varied between 4.0 and 6.5 inches. Extremes for the State were 6.61 inches at

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly Velocity.	Max. Velocity.* Miles per hour	Direction.	Date.
Cairo ..... Ill.	30.04	30.45	27	29.60	23	7112	10.6	40	nw.	11
Cincinnati ..... Ohio	30.05	30.43	18	29.56	23	8597	8.6	32	sw.	9
Evansville ..... Ind.	30.06	30.47	27	29.61	23	8093	12.2	40	n.	11
Lexington ..... Ky.	30.06	30.42	18	29.65	23	9179	15.6	48	nw.	26
Louisville ..... Ky.	30.06	30.45	27	29.55	23	8084	12.0	40	nw.	11

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	76	64	64	187.3	363.5	62	12	7
Cincinnati ..... Ohio.	81	62	68	160.3	360.9	53	10	8
Evansville ..... Ind.	77	61	65	174.4	302.2	58	12	7
Lexington ..... Ky.	82	73	.....	124.7	362.2	41	3	11
Louisville ..... Ky.	72	61	62	161.7	302.2	54	12	10

COMPARATIVE DATA FOR FEBRUARY.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more rain.
1889	34.1	− 1.5	74	3	1.91	−1.69	..
1890	45.6	+10.0	85	16	7.98	+4.78	..
1891	42.2	+ 6.6	76	0	4.72	+1.52	..
1892	42.2	+ 6.6	70	11	2.52	−0.68	..
1893	37.7	+ 2.1	70	3	4.40	+1.20	..
1894	34.6	− 1.0	74	2	4.66	+1.46	..
1895	25.3	− 9.7	80	−18	0.66	−2.54	5
1896	37.4	+ 1.8	81	−12	3.66	−0.54	9
1897	38.8	+ 4.2	76	8	5.75	+2.15	11
1898	33.4	+ 1.8	77	− 3	1.61	−1.99	6
1899	29.2	− 9.4	71	−23	3.97	+0.37	11
1900	32.9	− 3.1	76	9	4.58	+1.18	12
1901	32.4	− 3.2	71	1	1.27	−2.23	6
1902	35.9	+ 7.7	69	− 3	1.39	−2.39	7
1903	35.5	+ 1.9	75	−16	7.25	+3.63	13
1904	33.6	− 0.4	75	− 2	2.32	−1.28	8
1905	27.2	− 7.7	67	−16	2.41	−1.19	7
1906	34.7	− 0.9	75	−12	1.81	−1.79	7
1907	35.7	+ 0.1	73	−10	3.06	−0.54	9
1908	35.6	0.0	70	− 2	5.56	+1.96	13
1909	42.4	+ 6.8	75	− 8	8.17	+4.57	11
1910	32.9	− 2.7	66	−12	3.76	+1.10	10
1911	42.0	+ 6.4	80	11	3.25	−0.35	9
1912	29.7	− 5.9	68	−14	3.68	−0.32	7
1913	34.8	− 0.8	77	− 2	2.44	−1.56	7
1914	32.2	− 3.4	70	− 2	4.14	+0.54	11
1915	41.9	+ 6.3	75	13	1.74	−1.86	3
1916	35.0	− 0.6	72	− 4	2.99	−0.61	9
1917	34.8	− 0.8	80	− 9	3.51	−0.09	7
1918	39.3	+ 3.7	84	− 8	2.04	−1.56	7
1919	38.6	+ 3.0	69	12	1.79	−1.81	9
1920	35.7	+ 0.1	71	6	2.27	−1.33	9
1921	41.3	+ 5.7	77	11	3.20	−0.40	10
1922	41.3	+ 5.7	76	4	3.58	−0.02	10
1923	34.6	− 1.0	74	− 4	4.67	+1.07	10
1924	35.0	− 0.6	71	9	2.56	−0.97	9
1925	44.0	+ 8.0	76	8	3.91	−0.38	9

Climatological Data for February, 1925.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	21	45.6	+ 9.4	75	6	17	27	44	6.11	+2.93	1.90	T.	9	14	6	8	w.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	43	44.2	+ 7.4	70	8‡	16	27	33	4.09	−0.44	1.66	0.1	10	9	3	16	sw.	E. W. Horr.
Calhoun	McLean	437	21	44.9	+ 7.2	71	7†	18	27	41	5.35	+2.09	1.21	0.5	11	5	13	10	s.	W. A. Taylor.
Carlington	Hopkins	420	35	45.6	+ 9.3	72	8	18	12†	40	5.22	+1.62	1.12	T.	12	17	3	8	n.	Brick Southworth.
Greenville	Muhlenburg	519	8	[b]42.5	.....	70[a]	6	14[b]	12	50[b]	6.64	.....	2.38	T.	11	17[b]	3[b]	6[b]	s.	C.R. Lovell.
Greenville	Muhlenburg	524	29	45.7	+ 8.7	73	7†	17	12	44	6.64	+2.75	2.37	T.	10	10	4	14	sw.	W. E. Graves.
Hopkinsville	Christian	571	27	44.3	+ 8.6	74	9	16	12†	40	2.60	−0.77	0.60	T.	6	6	10	12	s.	B. C. Paris.
Marion	Crittenden	571	27	44.3	+ 8.6	74	9	16	12†	40	5.43	+1.85	1.20	2.0	8	15	6	7	s.	N. E. Douthit.
Mayfield	Graves	361	16	46.1	+ 8.1	70	8†	19	27	40	3.78	+0.53	1.28	0.5	10	17	4	7	s.	Henry S. Berry.
Owensboro	Daviess	479	28	42.1	+ 7.4	71	7†	15	12†	30	3.15	.....	1.05	0.0	7	13	7	8	se.	J. W. Lilley
Paducah	McCracken	516	8	44.4	.....	72	8	19	27	38	3.15	.....	1.05	0.0	7	13	7	8	se.	Frank L. Brown.
Paducah (near)[§]	McCracken	341	36	.....	.....	.....	.....	.....	.....	.....	2.99	−0.62	1.09	T.	9	.....	.....	.....	.....	Dr. W. L. Cash.
Paducah	McCracken	529	18	44.3	+ 7.9	76	7	17	12†	42	4.34	−0.18	0.90	T.	10	8	9	11	s.	Thos. L. Wetzell.
Princeton	Caldwell	314	1	.....	.....	.....	.....	.....	.....	.....	5.14	.....	1.72	T.	7	.....	.....	.....	.....	.....
Ramsey, Lock 2‡	McLean	390	14	[b]42.6	+ 8.2	72[b]	7	18[b]	12†	36[b]	5.18	+1.51	3.00	0.0	.....	9[b]	2[b]	8[b]	s.	Wm. Shelton.
Russellville	Logan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Anchorage	Jefferson	700	24	42.2	+ 9.2	72	7	13	27	38	3.74	+0.90	1.62	T.	7	14	5	9	e.	C. E. Barret.
Bardstown	Nelson	637	28	41.8	+ 7.3	75	8	15	27	32	6.16	+2.25	1.72	0.8	8	12	3	13	sw.	Chas. M. Talbott.
Bowling Green	Warren	560	37	45.8	+ 8.2	73	8	18	12†	41	5.03	+0.36	1.70	T.	8	13	7	8	w.	Mrs. Lillie G. Causey.
Bowling Green	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	4.04	.....	2.19	T.	9	.....	.....	.....	.....	J. Frank Thomas.
Bowling Green, No. 2	Warren	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.53	.....	2.67	T.	12	.....	.....	.....	.....	Virgil M. Whalin.
Brownsville, Lock 6‡	Edmonson	410	8	.....	.....	.....	.....	.....	.....	.....	3.63	−0.46	1.95	0.5	9	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	773	34	.....	.....	.....	.....	.....	.....	.....	2.17	−0.71	1.12	.....	7	.....	.....	.....	.....	Charlie Oliver.
Carrollton, Lock 1	Carroll	422	26	.....	.....	.....	.....	.....	.....	.....	3.92	+1.29	1.50	0.2	11	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	375	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dix Dam, Burgin	Mercer	770	1	[a]44.3	.....	73[a]	8	16[a]	27	35[b]	3.18	.....	0.72	1.0	14	14	7	7	s.	Geo. Henry Ellis.
Eubank	Pulaski	1177	31	44.6	+ 9.8	72	8	16	27	42	2.78	−1.08	1.30	T.	7	4	8	16	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	33	43.5	+ 7.6	71	8†	15	27	42	4.69	+1.13	2.48	1.0	10	10	6	12	w.	Sidney Wood.
Franklin	Simpson	691	30	46.7	+ 7.7	76	8	16	12	48	4.45	−0.44	2.40	0.0	7	13	3	12	s.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	14	.....	.....	.....	.....	.....	.....	.....	4.36	+1.30	2.24	.....	12	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	4	45.8	.....	73	8	15	12	43	4.04	.....	1.00	T.	7	16	0	12	s.	Dr. Fidelia Edwards.
Grant, Dam 38	Boone	506	0	.....	.....	.....	.....	.....	.....	.....	2.22	.....	1.10	.....	7	.....	.....	.....	.....	W. L. Patchell.
Greensburg	Green	581	32	45.4	+10.5	75	8	17	27†	42	3.46	−0.56	1.08	0.5	12	7	3	18	s.	Mrs. Bettie K. H. Alcorn.
Higbee Bridge, Lock 7	Jessamine	550	23	.....	.....	.....	.....	.....	.....	.....	2.91	−0.31	0.87	2.0	8	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	27	44.0	+ 9.7	70	7	15	27	38	4.72	+1.39	2.13	T.	8	14	3	11	sw.	W. J. Piggott.
Junction City	Boyle	985	31	43.6	+ 9.0	72	8	8	12†	43	4.16	+0.42	1.75	1.5	11	8	15	5	sw.	William E. Grubbs.
Leitchfield	Grayson	635	29	44.7	+ 9.5	70	8	16	27	40	4.72	+1.24	1.85	T.	8	9	12	7	s.	H. H. Willis.
Lexington	Fayette	989	37	43.0	+ 7.6	71	8	13	27	34	3.02	−0.21	1.34	1.5	11	7	10	11	sw.	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	523	14	.....	.....	.....	.....	.....	.....	.....	2.75	−0.50	0.80	1.0	9	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	436	15	.....	.....	.....	.....	.....	.....	.....	4.33	+1.71	2.52	1.0	12	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	52	43.2	+ 6.0	71	8	14	27	31	3.10	−0.65	1.34	0.3	9	9	7	12	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	15	43.3	+ 7.6	70	7†	14	27	39	3.91	+1.09	1.92	0.6	9	12	4	12	s.	Wm. I. Hunt.
Manfordville	Hart	570	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.40	.....	0	.....	.....	.....	.....	W. F. Nichols.
Pilcher (Dam 43)	Meade	363	2	.....	.....	.....	.....	.....	.....	.....	5.92	.....	2.69	0.0	8	.....	.....	.....	.....	W. D. Farnsley.
St. John	Hardin	777	29	43.2	+10.2	71	8	13	27	43	4.18	+0.20	2.20	0.1	5	19	2	7	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	490	11	.....	.....	.....	.....	.....	.....	.....	4.04	+0.83	1.40	.....	7	.....	.....	.....	.....	Ernest M. Searcy.
Scott	Kenton	900	27	41.8	+11.1	72	8	10	27†	38	2.33	−0.42	0.78	0.5	10	8	12	8	s.	E. B. Wilson.
Shelbyville	Shelby	825	36	44.0	+10.2	73	8	13	27	44	.....	.....	.....	.....	.....	15	1	12	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	23	42.2	+ 6.8	71[a]	7†	16[a]	27	40[a]	6.38	+2.92	1.94	1.0	10	14	3	11	s.	E. D. Bourne.
Tyrone, Lock 5	Anderson	476	7	.....	.....	.....	.....	.....	.....	.....	4.24	.....	1.20	2.5	9	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	22	41.8	+ 9.8	71	8	11	27	38	3.62	+0.89	1.63	0.3	10	10	8	10	nw.	Mrs. E. S. Humlong.
Woodbury, Lock 4‡	Butler	533	8	.....	.....	.....	.....	.....	.....	.....	5.97	.....	3.56	T.	10	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	8	43.3	+ 6.5	75	8	17	28	43	3.83	+0.77	0.98	2.0	7	10	0	18	sw.	W. B. Shaw.
Beattyville	Lee	650	21	44.4	+ 8.7	75	8	12	28	47	3.67	−0.20	1.64	0.5	12	5	8	15	n.	Mrs. Sabina E. Hall.
Berea	Madison	1070	23	45.9	+ 9.6	73	8	15	27	43	2.77	−0.34	1.14	1.2	13	6	11	11	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	15	.....	.....	.....	.....	.....	.....	.....	3.09	+0.43	1.10	1.0	11	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	684	7	.....	.....	.....	.....	.....	.....	.....	4.30	.....	1.76	T.	9	.....	.....	.....	.....	T. H. Kehoe.
Falmouth	Pendleton	600	36	.....	.....	.....	.....	.....	.....	.....	3.62	+0.26	2.05	T.	10	11	4	13	se.	J. V. Oldham.
Farmers	Rowan	668	19	43.0	+ 7.4	76	8	13	27†	47	2.75	−0.25	0.90	1.0	7	8	6	14	w.	Mrs. Edna Tinsley.
Ford, Lock 10	Clark	559	9	.....	.....	.....	.....	.....	.....	.....	2.46	−0.35	0.70	0.7	10	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Col. Frank Powers.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. G. F. Cramer.
Hazard	Perry	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chas. A. Ihrig.
Heidelberg, Lock 14	Lee	629	8	.....	.....	.....	.....	.....	.....	.....	3.26	.....	1.59	.....	12	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	0	[a]44.6	.....	72[f]	8	14[f]	28	42[f]	.....	.....	1.80[f]	1.8	.....	13[e]	4[e]	8[e]	w.	John S. Lane.
Louisa	Lawrence	584	21	.....	.....	.....	.....	.....	.....	.....	3.17	−0.16	1.40	.....	5	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	28	42.6	+ 9.6	74	8	13	28	41	3.55	+0.22	1.30	1.5	12	9	8	11	sw.	Perry E. Bennett
Middlesboro	Bell	1128	29	[b]42.4	+ 3.5	70[b]	15†	12[b]	28	36[b]	.....	.....	.....	.....	.....	10[b]	6[b]	1[b]	.....	B. H. Perkins.
Mount Sterling	Montgomery	930	35	42.6	+ 9.2	73	8	12	27	34	4.00	+0.01	1.43	2.5	9	18	1	9	w.	W. R. McKee.
Oliver, Dam 30	Greenup	540	5	.....	.....	.....	.....	.....	.....	.....	1.93	.....	0.49	0.8	8	.....	.....	.....	.....	M. W. Kinner.
Oneonta, Dam 35	Campbell	443	3	.....	.....	.....	.....	.....	.....	.....	2.97	.....	1.64	0.5	6	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	19	.....	.....	.....	.....	.....	.....	.....	3.63	+0.29	1.80	T.	10	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	0	.....	.....	.....	.....	.....	.....	.....	2.80	.....	1.65	2.0	5	.....	.....	.....	.....	F. C. Hall.
Ravenna, Lock 12	Estill	593	7	.....	.....	.....	.....	.....	.....	.....	2.69	.....	1.30	.....	6	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	34	45.4	+10.1	73	8	13	27	44	2.74	−0.70	1.01	1.0	12	13	7	8	.....	J. W. Crooke.
Sergent	Letcher	1235	2	45.3	.....	75	8	16	28	43	3.55	.....	1.90	2.0	7	15	6	6	ne.	A. K. Williams.
Valley View, Lock 9	Madison	541	12	.....	.....	.....	.....	.....	.....	.....	2.81	−0.48	0.80	2.0	10	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	10	.....	.....	.....	.....	.....	.....	.....	3.51	.....	0.85	0.2	10	.....	.....	.....	.....	Samuel Johnson.
Wayland	Floyd	700	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. L. Muncaster.
Whitesburg	Letcher	1162	0	.....	.....	.....	.....	.....	.....	.....	4.05	.....	1.84	.....	10	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	939	28	46.3	+ 8.8	74	10	17	27	45	4.31	+0.71	2.47	0.5	7	19	5	4	.....	Lawrence R. Thl.
Willow Lock 13	Lee	611	6	.....	.....	.....	.....	.....	.....	.....	2.29	.....	1.45	.....	7	.....	.....	.....	.....	Shelby Angel.
State averages and extremes		.....	.....	44.0	.....	76	7†	8	12†	50	3.91	.....	3.56	0.6	9	12	6	10	s.	.....

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
§Lone Oak.
Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.
¶Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

Greenville and Hopkinsville, and 1.93 inches at Oliver. Thunderstorms were reported on the 1st, 5th, 8th, 10th, 14th, 15th, 20th, 21st, 22d, and 23d.

MISCELLANEOUS.

Rivers:—The Ohio rose moderately from the 2d to 6th, and again to considerably higher stages from the 12th to 20th. Flood stages were approached in the section between Cloverport

Daily Precipitation for February, 1925

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G	.40	.70							.20		T.				.50						.46	1.90	1.10	.05	.80							6.11
Blandville ..... M	.01	.33					T.	.35	T.	T.	.03			.21	T.						.29	1.66	.14		.10		T	T				4.09
Calhoun ..... G	.60	1.03	T.						.46		.03	T.			.07		T.				.51	.72	1.21	.03	.67	.02						5.35
Greenville ..... G	.06	1.17							.61		.02	.01		.02	.16						.73	*1.12	.02	.71	T.							5.22
Hopkinsville C		1.12							.22		.02				.40		.02				.46	2.38	1.08	.08	.75							6.64
Marion ..... O	.50	.21							.32		.02			.01	.37		.02				.85	2.37	1.12		.44							6.64
Mayfield ..... M	T.	.78					T.		T.		T.				T.						.46	.58	.60		.26							2.69
Owensboro ..... O	.25	1.28							.23		.02			T.	.01		.02				.50	1.20	.90	.70	.55		T					5.49
Paducah (near) ¶ ..... O	.05	.25							.45												.44	1.15	.24	T.	.14							3.78
Paducah ‡ ..... O		.30							.20		.10	T.			.04						.50	1.05	.45		.40							3.15
Princeton ..... G	.07	.67							.14		.01										.44	.33	1.09	.06	T.	.43						2.96
Rumsey, Lock No. 2 ‖ ..... G		1.00	T.						.47		T.			.12		.01					.90	.88	.88	T.	.66		T					4.34
Russellville ‖ ..... G	*	*							*		*				.05		T.				.48		1.72	.14	.68							5.14
Central Division														1.12							.50	.33	3.00	.05	.18							5.18
Anchorage ..... O	.22	.61							.04		T.										.06	1.62	.85		.34							3.71
Bardstown ..... S		1.50							.05		.10				.36						.16	1.72	.93		1.34							6.16
Bowling Green ‡ ‖ ..... B		.30	.20					.03			T.	.05									1.30	1.00	1.70			.45						5.03
Bowling Green, No. 2 ‖ ..... G		.39	.04					.20			.02				.53						.34		2.19	.03		.30						4.64
Brownsville, Lock No. 6 ‖ ..... G	.69	.16	.01								.14	T.	.05	.64		.03				.32			2.67	.14		.32		.36				5.53
Burnside C		.25	.20						.22		.15	.05			1.95		.26				T.			.15		.40						3.63
Carrollton ‖ (Lock No. 1) ..... K		.64	.03						.20		.10	T.			.04						.44	.33	1.09	.06	T.	.43						2.96
Cloverport ‖ ..... O		1.50	.03				T.	.01			.03				.03						.24		1.12		.08							2.17
Dix Dam, Burgin ..... K	.05	.61						.05			.03	T.			.06		.04				.42	.03	1.49	.07		.24	T					3.92
Eubank ‖ C								.05			.18	T.		.03	.59	T.	.01				.01	.51	.72	.05	.19	.11		.07				3.18
Frankfort ‖ ..... K		1.04	.15					.28			.28	.01			1.30							.43	.23	T.			.25					2.78
Franklin ..... G	.21	.49						.18	T.		T.	.07			.25		.03				.06	T.	2.48	.20		.23	T.					4.69
Gest, Lock No. 3 ‖ ..... K		.68	.06					.18			.01		.07								1.09		2.40									4.45
Glasgow ..... G		.80						.14	.12		.14	.03		T.	.16						.16	.08	2.24	.21		.34						4.36
Grant, Dam 38 ‖ ..... O		.65						.15			T.				.93						.35	.50	1.00		.31							4.04
Greensburg ..... G	.02	.44						.20			.08	T.									.09		1.10	.05		.10						2.22
High Bridge, Lock No. 7 ‖ ..... K		.65	.20					.08			.05			.06	.85		.02				.17	.42	1.08		.17	.10						3.46
Irvington ..... O	.45	.85						.05				.20			.47							.13	.87	.21		.29						2.94
Junction City ..... K	.11	.50						.07			T.			.15							.23	2.13	.83	.01		T						4.72
Leitchfield ..... G	.04	1.02						.16			.15			.05	.81	T.	.02		T.		.05	.50			1.75	.06						4.16
Lexington *** ..... K	.76	.58					T.	.02			T.				.04						.04	1.85	1.65	T.	.06							4.72
Little Hickman, Lock No. 8 ‖ ..... K		.45	.20					.09	.05	.13	T.			.02	.44	T					.05	.49	.24		.17	T.						3.02
Lockport, Lock No. 2 ‖ ..... K		.66	.06					.10	T.			.10	T.		.80							.59	.18		.28							2.75
LOUISVILLE*** ..... O	.82	.16					T.	.05			.03				.13						.15		2.52	.20		.24		.11				4.33
Do. (Cherokee Park) ..... O	*	.84						.06			.04	T.			.10						.36	1.19	.16		.25	T.		T.				3.10
Munfordville ‖ ..... G								.24			.05	.03		.04	.68		.03				.48	*	2.11		.28	T.						3.91
Pitcher Dam 43 ‖ ..... O		1.34	.07				T.		.16		T.	T.			.15	T.					.25		2.40	.14		.26						
St. John ..... S											.50										.40	.06	2.69	.09		.62						5.32
Salvisa, Lock No 6 ‖ ..... K		1.40	T.						.30			.15			.50						T.		.10	.24		.35						4.04
Scott L	.05	.50					T.	.24			.10	T.									.20	.25	.78	.06	.14	.01						2.33
Shelbyville ..... S	.18	1.28							.02	.08	.02	.03	T.	T.	.70	T.	T.				.18	1.86	1.10	.13	.30	.07						
Taylorsville ..... S								.16			.10				.30		T.				.25	1.78	1.94	.02	.57	T.						6.38
Tyrone, Lock No. 5 ‖ ..... K	1.08	.14						1.00			.10				.20						.04	1.20	.20		.28							4.24
Williamstown L	.12	.65						.15			.03	T.			.06						.11	.61	1.63		.20	.06						3.62
Woodbury, Lock No. 4 ‖ ..... G		.64	.06					.18			T.	T.		.03	.49						.48	.06	3.56	.06		.41						5.97
Eastern Division																																
Ashland ‖ ..... O		.50	.60								.40	.35			.98										.30		.70					3.83
Beattyville ‖ ..... K	T.	.22	.28																													
Berea ..... K	.01	.31						.08	.05	.24	.06	T.	.03	1.64	.06							.08	.16		.67							3.67
College Hill, Lock No. 11 ‖ ..... K		.50	.22				.20	.10	.20	.07			.10	1.10							.01	.16	.14	.08	.14	.15	T.					2.77
Cynthiana ‖ L		.75	.24					.09	T.		.04				.36						T.	T.	.06	1.76	.66	.34						3.00
Falmouth ‖ L		.65	.06					.07	T.		.06				.07						.04	.08	2.05	.24		.30	T					4.30
Farmers ‖ L		.30	.50								.30	T.			.90								1.10	.24		.35						3.62
Ford, Lock No. 10 ‖ ..... K		.58	.25					.02	.08	.02	.03	T.	T.	.70	T.	T.							.16	.20		.39						2.75
Grayson ‖ ..... O									.10		.20	.30	.15							.15			.47	.05		.26						2.46
Harlan ..... K																																
Hazard ‖ ..... K																																
Heidelberg, Lock No. 14 ‖ ..... K		.10	.20	T.				.10	.06	.20	.06	T.	T.	1.59	.04	T.	T.					.20	.10		.39		.22					3.26
Hindman ..... K								T.		.84	.05		.09	1.80		.15				T.		.03	.10		.48						
Louisa ‖ ..... B		T.	.52								.32	T.		1.40																	
Maysville ‖ ..... O		.53	.22					T.	.18	.12	.06	T.			.34		.01				.01	.05	1.30	.37		.36	T.					3.17
Middlesboro C																																3.55
Mount Sterling L	.15	1.43													.37							.16			.30							
Oliver, Dam 30 ‖ ..... O		.26	.11						.74	.20		T.	.78								.20	.10	.04	.36								
Onconta Dam 35 ‖ ..... O		.78	.12					T.	.24	T.	.03		T.	.49	T.								.41		.35							4.00
Pikeville ‖ ..... B		.20	.18								.12	.42		1.80	.03	.05					T.	1.64	.16		T.						1.53
Prestonsburg ‖ ..... B	.20										.30	.20		1.65							.03		.25		.55							2.97
Ravenna, Lock No. 12 ‖ ..... K			.40					T.	T.	.24	.15	T.	T.	1.30								T.			.45							3.63
Richmond ..... K	.07	.79						.17		.04	.06		T.	1.01		.02					T.	.30	.10	.03	.05	.10						2.80
Sergent ..... K		.20								.70	.06			1.90		.02							.02		.65							2.69
Valley View, Lock No. 9 ‖ ..... K	.12	.20						.20		.12			.10	.80		.07					.70	.15		.35								2.74
Vanceburg, Dam No. 32 ‖ ..... O		.55	.19	T.				.10	.06	.52	.04			.40								.85	.29		.51							3.55
Wayland ..... B														2.00	.10	.01						.05	.15		.55							2.81
Whitesburg ‖ ..... K		.04	.10							.57	.42	T.		1.84	.20	.20						.07	.16	T.	.45							3.51
Williamsburg ‖ C		T.	.45					T.		.47	.14			2.47		.48					T.	.13		.17								
Willow, Lock No. 13 ‖ ..... K	.31		.12					.05		.20	.07			1.45								.09										4.65
																																4.31
																																2.29

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

and Evansville. Heavy rains in the southeastern mountain region on the 15th caused a sharp freshet in the headwaters of the Kentucky River. Flood stage was nearly reached at Beattyville on the 16th. Flood stages were slightly exceeded in the upper Green from the 24th to 28th.

Daily Temperatures for February, 1925.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	56	51	35	51	67	75	74	72	73	69	61	46	57	57	56	60	56	49	62	71	65	60	61	56	56	52	41	51	..	..	..	58.1
	Minimum	40	32	28	28	39	50	43	50	40	31	26	18	30	32	34	27	36	23	28	27	47	50	47	38	34	20	17	19	..	..	..	33.2
Brandenburg	Maximum	54	52	41	51	65	67	69	70	68	60	49	44	50	51	51	59	51	54	55	70	63	63	58	45	47	41	32	48	..	..	..	54.5
	Minimum	42	29	25	27	37	45	51	55	42	37	17	17	30	27	31	35	29	27	33	37	52	54	39	38	37	25	16	19	..	..	..	33.9
Calhoun	Maximum	49	38	34	48	65	68	71	71	68	66	64	46	49	52	51	58	55	52	54	65	65	60	60	47	49	45	29	48	..	..	..	54.1
	Minimum	45	33	29	33	45	53	54	58	48	36	23	20	33	32	34	30	30	30	30	41	50	53	47	38	43	24	18	21	..	..	..	35.7
Carlington	Maximum	57	32	29	35	34	40	54	58	48	36	23	20	33	32	34	30	30	30	30	41	50	53	47	38	43	24	18	21	..	..	..	35.7
	Minimum	37	32	29	35	34	40	54	58	48	36	23	20	33	32	34	30	30	30	30	41	50	53	47	38	43	24	18	21	..	..	..	35.9
Carrollton	Maximum	53	55	38	48	64	71	70	72	67	62	60	40	53	52	52	60	58	53	56	69	66	61	59	49	48	40	32	50	..	..	..	54.9
	Minimum	45	33	29	29	37	42	55	57	48	32	20	18	35	31	34	29	30	22	38	29	50	55	49	39	43	24	18	19	..	..	..	35.4
Cloverport	Maximum	51	49	38	47	60	70	..	..	60	63	67	56	46	50	52	60	61	50	65	67	58	59	52	47	48	30	29	..	..	..	..	[1]53.6
	Minimum	40	32	26	25	35	45	..	..	46	29	17	14	31	30	33	26	29	20	33	27	48	48	48	37	41	23	15	17	..	..	..	[1]31.4
Greenville	Maximum	59	58	37	49	63	71	70	73	68	65	63	48	55	54	56	64	61	56	61	71	64	63	60	50	50	48	36	52	..	..	..	58.2
	Minimum	34	32	24	26	28	39	47	49	45	33	19	17	39	31	35	36	36	22	36	31	48	51	48	39	40	25	18	20	..	..	..	33.2
Hopkinsville	Maximum	54	52	34	38	58	64	70	72	74	64	57	36	47	51	51	53	58	47	53	64	69	63	60	51	47	41	32	40	..	..	..	53.4
	Minimum	45	31	26	28	37	48	53	58	45	36	17	16	34	29	32	34	29	27	35	35	50	55	50	38	40	23	16	18	..	..	..	35.2
Marion	Maximum	55	55	43	50	64	66	69	70	69	62	60	43	54	55	60	60	60	60	60	70	70	68	58	48	48	46	34	56	..	..	..	57.4
	Minimum	45	31	26	28	37	48	53	58	45	36	17	16	34	29	32	34	29	27	35	35	50	55	50	38	40	23	16	18	..	..	..	35.2
Mayfield	Maximum	55	55	43	50	64	66	69	70	69	62	60	43	54	55	60	60	60	60	60	70	70	68	58	48	48	46	34	56	..	..	..	57.4
	Minimum	25	20	25	29	36	46	53	56	43	36	26	20	30	35	31	31	27	25	35	37	48	46	40	40	41	26	15	22	..	..	..	34.8
Owensboro	Maximum	58	50	33	44	62	68	71	71	64	56	54	28	49	49	55	64	57	44	51	62	66	64	61	57	47	48	36	49	..	..	..	51.2
	Minimum	38	31	26	30	32	42	47	48	36	34	16	18	33	31	39	26	28	25	31	38	49	51	43	38	35	21	15	20	..	..	..	33.0
Paducah (near)	Maximum	53	52	37	45	64	71	76	73	66	64	62	46	51	53	54	56	51	52	51	60	63	65	70	59	47	48	37	50	..	..	..	54.0
	Minimum	40	32	27	27	30	39	49	51	45	32	20	17	31	30	34	29	30	23	28	29	49	52	47	39	41	24	17	19	..	..	..	34.9
Princeton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	34	..	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Russellville§§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central Division.																																	
Anchorage	Maximum	47	49	39	48	62	70	72	71	63	66	55	38	48	54	52	55	56	51	55	65	58	59	58	47	50	41	31	44	..	..	..	53.3
	Minimum	27	29	24	26	29	32	47	46	33	21	17	27	37	29	23	25	19	22	27	49	51	47	39	41	21	13	14	..	..	..	..	31.0
Bardstown	Maximum	53	53	33	50	62	68	68	72	65	68	62	36	51	50	54	58	53	50	57	64	60	65	65	50	62	45	34	51	..	..	..	55.5
	Minimum	37	32	25	27	28	39	48	50	53	36	20	17	26	33	40	28	33	22	36	29	50	47	49	40	42	26	16	18	..	..	..	33.8
Bowling Green	Maximum	47	49	34	46	58	68	69	71	71	65	63	36	48	55	54	55	55	50	55	63	62	59	63	54	56	49	29	46	..	..	..	54.6
	Minimum	35	32	25	28	28	31	37	39	54	32	21	21	29	34	38	26	33	23	30	27	45	48	51	42	43	22	15	18	..	..	..	32.4
Dix Dam	Maximum	55	55	42	51	66	70	76	76	74	69	68	42	57	59	56	65	60	56	60	70	69	68	66	60	59	47	40	46	..	..	..	59.8
	Minimum	40	35	29	30	25	37	45	50	48	35	20	16	30	36	38	32	31	25	38	35	49	48	40	37	29	26	20	18	..	..	..	33.6
Eubank	Maximum	57	41	36	52	64	69	70	73	60	69	63	46	54	52	56	64	58	55	59	66	65	66	63	58	54	46	36	50	..	..	..	57.4
	Minimum	38	35	27	29	29	46	54	43	43	39	20	18	29	37	33	33	34	26	40	28	43	42	40	40	40	25	18	20	..	..	..	34.1
Frankfort	Maximum	53	52	36	52	64	71	74	75	69	69	62	39	55	55	55	61	58	56	59	67	63	68	68	52	61	48	33	51	..	..	..	57.7
	Minimum	30	31	26	29	25	31	50	42	52	31	20	18	26	32	40	25	32	20	29	26	50	52	51	41	45	25	17	17	..	..	..	33.0
Georgetown	Maximum	48	50	31	48	60	68	70	69	65	65	59	37	48	53	50	52	55	50	54	58	61	61	60	46	51	40	31	48	..	..	..	53.2
	Minimum	30	31	26	29	25	31	50	42	52	31	20	18	26	32	40	25	32	20	29	26	50	52	51	41	45	25	17	17	..	..	..	33.0
Irvington	Maximum	48	50	31	48	60	68	70	69	65	65	59	37	48	53	50	52	55	50	54	58	61	61	60	46	51	40	31	48	..	..	..	53.2
	Minimum	42	30	25	27	36	45	51	54	47	35	21	17	31	33	29	24	35	28	40	40	51	53	46	39	40	21	15	20	..	..	..	34.8
Junction City	Maximum	53	48	32	51	66	68	69	72	70	67	59	37	51	54	52	58	59	50	57	64	60	61	60	51	52	44	32	51	..	..	..	56.1
	Minimum	41	31	24	27	28	33	47	46	30	34	14	8	27	29	46	25	32	20	36	25	44	47	45	43	40	23	9	8	..	..	..	31.1
Leitchfield	Maximum	49	47	34	48	63	67	68	70	68	67	60	39	52	57	52	59	47	51	58	65	60	66	58	48	51	45	25	47	..	..	..	54.4
	Minimum	40	33	26	29	32	43	51	53	46	35	20	17	29	33	37	30	31	24	34	47	51	53	48	29	42	22	16	20	..	..	..	35.0
Lexington	Maximum	51	46	30	46	58	67	67	71	61	66	52	32	46	53	48	56	49	52	54	63	57	62	65	48	54	35	27	47	..	..	..	52.2
	Minimum	42	23	22	26	37	45	52	53	44	44	18	19	28	31	38	26	30	28	34	34	50	50	44	38	33	18	10	16	..	..	..	33.9
Louisville	Maximum	50	49	31	48	60	68	69	71	66	64	45	38	48	52	48	56	49	50	54	64	60	59	58	45	49	33	28	45	..	..	..	52.1
	Minimum	42	27	23	29	39	44	52	55	43	38	20	19	33	35	36	25	33	25	37	30	30	28	35	33	47	54	44	40	33	20	14	20	..	..	..	34.3
Do. (Cherokee Park)	Maximum	48	48	33	47	59	67	70	70	69	63	60	37	47	52	52	55	42	50	52	64	61	60	58	49	50	48	29	44	..	..	..	53.0
	Minimum	41	31	24	29	32	32	48	49	50	34	21	20	30	32	34	27	31	23	35	27	51	53	51	40	43	21	14	19	..	..	..	33.6
St. John	Maximum	50	52	42	60	64	68	69	71	66	66	46	50	53	57	60	61	58	59	65	65	60	60	60	51	50	51	30	48	..	..	..	56.4
	Minimum	29	26	24	24	27	35	47	49	34	34	20	22	25	25	31	30	28	16	22	25	49	47	46	38	33	22	13	20	..	..	..	30.0
Scott	Maximum	44	41	30	42	58	68	67	72	65	53	65	38	49	52	57	57	51	49	55	64	57	60	59	52	50	45	32	40	..	..	..	52.7
	Minimum	38	27	20	27	31	36	47	46	49	36	22	20	27	25	33	26	29	19	35	26	44	42	52	38	33	18	10	16	..	..	..	30.9
Shelbyville	Maximum	47	48	36	46	61	69	69	73	67	66	65	37	49	54	55	59	49	51	57	64	58	59	59	54	53	45	31	47	..	..	..	54.5
	Minimum	41	32	26	26	37	38	52	52	45	35	21	24	24	30	35	29	30	22	32	30	49	50	48	36	40	20	13	17	..	..	..	33.4
Taylorsville	Maximum	44	41	33	43	54	..	71	71	66	68	59	37	49	54	52	55	51	50	56	64	58	59	59	53	55	48	29	46	..	..	..	[2]52.9
	Minimum	34	32	25	30	26	..	31	41	51	31	25	19	19	34	36	25	33	21	28	25	48	49	51	41	43	23	16	17	..	..	..	[2]31.6
Williamstown	Maximum	44	46	30	42	55	66	66	71	66	68	58	34	44	52	50	55	51	49	53	63	61	57	59	51	50	46	26	40	..	..	..	51.8
	Minimum	40	28	21	26	33	35	43	45	49	33	20	19	26	27	35	29	30	21	33	27	48	47	51	39	41	19	11	13	..	..	..	31.8
Eastern Division.																																	
Ashland	Maximum	52	50	36	44	62	69	68	75	70	69	65	32	48	46	50	49	49	47	60	64	62	70	72	58	64	64	34	43	..	..	..	56.1
	Minimum	32	35	22	29	25	28	33	36	42	38	30	21	19	32	40	27	34	22	20	21	38	39	40	40	42	26	18	17	..	..	..	30.5
Beattyville	Maximum	55	52	37	54	67	72	70	75	67	73	64	55	55	48	54	52	51	49	58	60	67	65	63	70	54	67	52	56	52	..	..	58.6
	Minimum	28	34	27	32	23	26	32	32	43	33	22	20	20	28	41	27	35	22	25	20	35	43	52	41	37	38	17	12	..	..	..	30.2
Berea	Maximum	56	54	31	51	64	69	68	73	66	69	63	34	52	51	51	57	51	52	59	65	59	66	67	52	62	48	50	50	..	..	..	56.8
	Minimum	44	31	26	29	33	45	53	56	50	38	20	18	28	30	42	28	32	20	30	28	51	50	52	40	42	25	15	15	..	..	..	35.0
Farmers	Maximum	55	44	35	55	61	70	71	76	71	71	66	35	50	50	55	57	54	54	60	68	61	62	74	57	66	55	34	49	..	..	..	57.8
	Minimum	27	32	22	29	20	25	31	32	41	31	23	18	16	27	41	26	32	20	23	21	34	44	47	38	37	24	13	13	..	..	..	28.2
Harlan	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hindman	Maximum	..	..	..	..	..	..	..	67	72	64	69	62	30	51	48	52	56	53	47	66	67	59	69	70	60	65	61	34	51	..	..	[3]57.9
	Minimum	..	..	..	..	..	..	..	28	30	41	35	28	19	17	27	40	36	38	26	27	28	34	40	54	42	38	36	19	14	..	..	[3]31.4
Maysville	Maximum	49	47	31	44	59	69	68	74	72	68	61	34	47	53	54	56	48	50	57	65	62	63	68	62	57	56	29	43	..	..	..	55.1
	Minimum	33	30	23	30	25	29	35	37	48	31	25	21	24	28	38	24	22	20	30	24	42	43	50	40	40	22	15	13	..	..	..	30.2
Middlesboro	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	35	51	55	70	55	52	51	50	62	56	70	65	60	65	60	35	48	..	..	[4]55.3
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	13	17	30	34	32	32	26	37	35	31	42	40	45	35	25	15	12	..	..	[4]29.6
Mount Sterling	Maximum	49	44	31	47	60	68	69	73	63	65	43	33	48	50	48	56	42	52	58	65	64	62	69	65	61	60	30	44	..	..	..	52.4
	Minimum	32	30	19	24	28	34	42	48	46	31	18	27	30	38	27	32	28	30	31	48	49	48	39	38	24	12	13	..	..	..	..	32.8
Richmond	Maximum	51	51	35	50	62	69	68	73	67	69	63	35	49	54	52	59	52	53	58	65	60	62	68	55	62	49	32	54	..	..	..	57.0
	Minimum	28	29	24	25	33	42	50	51	52	48	19	16	25	31	38	28	31	23	36	30	50	48	50	39	39	22	13	15	..	..	..	33.8
Sergent	Maximum	63	57	47	55	63	67	75	76	72	60	32	51	56	55	54	51	53	57	65	63	69	70	57	65	62	49	32	51	..	..	..	58.9
	Minimum	37	39	30	32	25	30	28	32	32	34	30	19	17	27	42	37	40	27	30	30	37	41	54	43	38	30	20	16	..	..	..	31.7
Williamsburg	Maximum	61	56	47	55	68	67	70	73	69	74	67	38	56	52	54	58	54	57	60	67	61	70	66	67	59	39	55	54	..	..	..	59.8
	Minimum	32	41	30	30	26	31	34	35	55	37	22	18	24	28	46	38	37	26	38	30	46	48	42	36	30	20	17	18	..	..	..	32.8

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

a, b, c etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville, 3-26-25

UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXX LOUISVILLE, KY., MARCH, 1925. No. 3

GENERAL SUMMARY.

The month opened with a brief period of severe weather, otherwise moderate to unseasonably high temperatures prevailed. Warm weather in the second week caused speedy resumption of growth in grass and winter grains. Plums bloomed during this period, and were somewhat damaged by freezes later on near the middle and close of the month. Frequent frosts and occasional light freezes in the second and third decades retarded other fruit. Peaches bloomed during the last week, and were later subjected to freezing temperatures; but they did not suffer serious injury from these conditions. It was noted, however, that in the northern counties most varieties of peaches blossomed rather scantily, which indicated considerable winter killing of buds.

With the exception of a few days following the heavy rains near the middle of the month, hillsides and well drained uplands continued in good working order. Also, there were few days on which outdoor work could not be comfortably performed. In consequence, plowing, gardening, and potato planting advanced rapidly; and farm work in general was soon considerably ahead of the seasonal schedule. Progress was not so good on the clay lowlands of the western counties, which received more rain. Market gardeners had transplanted cabbage and had seeded extensively before the middle of the month. Early vegetables came up during the last week. While the high day temperatures and abundant sunshine stimulated wheat to grow more rapidly than desirable, the night frosts had a tendency to hold the development within seasonal limits. Most early wheat looked well, showing little evidence of winter injury; but the late sown ranged in condition from poor to fair, and the stand appeared very irregular. As a whole the crop exhibited unusual divergence in condition between early and late sowings. Pastures reached the grazing stage on warm slopes and uplands. Sowing tobacco plantbeds was completed during the third week without interruption of consequence.

TEMPERATURE.

The average temperature for the month, based on reports from 43 stations, was 49.2°, which is 2.8° above normal. On the 2d and 3d minima ranged between 5° and 15° at most stations in the central and northern counties. After the 6th mild temperatures, with high maxima during long periods, predominated. Extremes for the State were 84° at several stations on the 8th and 9th, and 4° at Farmers on the 3d.

PRECIPITATION.

The average precipitation, 77 stations reporting, was 3.59 inches, which is 1.25 inches less than normal. Light snow, ranging from a trace to 1.5 inches, occurred generally over the State on the 1st and 3d. There were moderate to heavy showers in the periods 11-14th, 17th-20th, and 25-27th. In a broad belt extending from the lower Big Sandy to the Purchase, monthly amounts ranged from 3.5 to 4.5 inches. Along the Ohio River and near the southern boundary they varied between 2.50 and 3.50 inches. Extremes for the State were 1.90 inches at Franklin and 6.19 inches at Bowling Green. Thundershowers occurred on the 10th, 11th, 13th, 14th, 18th, 19th, 26th, and 27th. Hail was reported from many localities on the 18th, from Louisville on the 13th, and from Junction City on the 27th.

MISCELLANEOUS.

March 18.—A series of local storms, mainly tornadoes, killed 18 persons, injured about 200, and caused damage estimated at more than $1,000,000. There were three well defined paths of tornadic action in this State. One entered Kentucky from Harrison County, Indiana, passed through Jefferson County, and ended in Oldham County. Its path in both States was about 40 miles long, and varied in width from about one-half mile on the knob highland of Indiana to 50 feet where it disappeared near Pewee Valley.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour	Direction.	Date
Cairo ..... Ill.	30.11	30.57	15	29.55	18	8021	10.8	54	sw.	18
Cincinnati ..... Ohio	30.11	30.55	15	29.56	18	6938	9.3	40	sw.	18
Evansville ..... Ind.	30.13	30.60	15	29.50	18	9514	12.8	60	w.	18
Lexington ..... Ky.	30.10	30.55	15	29.69	18	11691	15.7	54	nw	27
Louisville ..... Ky.	30.13	30.60	15	29.57	18	9418	12.7	48	sw.	18

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	71	49	48	289.7	371.4	78	26	3
Cincinnati ..... Ohio.	76	54	66	229.2	371.1	62	13	7
Evansville ..... Ind.	71	51	55	258.0	371.2	70	16	3
Lexington ..... Ky.	79	66	.....	155.8	371.2	42	6	11
Louisville ..... Ky.	70	52	53	257.8	371.2	69	18	4

COMPARATIVE DATA FOR MARCH.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01in. or more rain.
1889	40.5	− 5.5	84	18	1.92	−3.14	9
1890	41.2	− 4.8	77	4	8.34	+3.68	14
1891	41.8	− 4.2	71	9	8.08	+3.42	14
1892	40.6	− 5.4	82	5	4.08	−0.58	12
1893	45.0	− 1.0	89	5	2.76	−1.90	9
1894	50.8	+ 4.8	86	10	3.72	−1.94	9
1895	45.0	− 1.0	88	15	3.17	−1.49	9
1896	41.1	− 4.9	80	8	6.16	+1.50	12
1897	49.6	+ 3.6	86	20	7.94	+3.28	14
1898	50.7	+ 4.7	84	16	7.59	+2.93	13
1899	43.9	− 2.1	80	3	8.10	+3.44	16
1900	42.8	− 3.2	81	3	2.58	−2.08	9
1901	46.4	+ 0.4	87	3	3.50	−1.16	10
1902	47.2	+ 1.2	82	7	4.44	−0.22	11
1903	52.5	+ 6.5	85	19	4.43	−0.23	12
1904	47.7	− 1.7	88	12	6.26	+1.62	12
1905	52.2	+ 6.2	86	22	4.45	−0.21	8
1906	39.2	− 6.8	75	3	6.37	+1.71	17
1907	54.9	+ 8.9	82	18	2.28	−2.38	10
1908	51.8	+ 5.8	88	19	5.42	+0.76	15
1909	44.8	− 1.2	74	17	5.14	+0.48	11
1910	55.0	+ 9.0	91	11	0.79	−3.87	3
1911	46.0	0.0	87	7	2.57	−2.09	8
1912	41.3	− 4.7	88	10	6.22	+1.56	15
1913	46.5	+ 0.5	86	9	7.29	+2.56	16
1914	41.8	− 4.2	78	2	3.62	−1.04	12
1915	37.8	− 8.2	65	11	2.11	−2.55	8
1916	43.5	− 2.5	84	4	5.39	+1.37	16
1917	45.9	− 0.1	84	0	6.52	+2.50	14
1918	51.6	+ 5.6	85	17	1.97	−2.05	9
1919	47.6	+ 1.6	84	16	5.65	+1.63	9
1920	46.3	+ 0.3	88	1	4.85	+0.19	16
1921	56.7	+10.7	87	19	5.75	+1.09	11
1922	49.1	+ 3.4	88	19	8.11	+3.45	14
1923	45.6	− 0.4	80	8	5.27	+0.61	9
1924	41.5	− 4.5	81	14	3.05	−1.61	9
1925	49.2	+ 2.8	84	4	3.59	−1.25	9

MAY 2 1925
UNIVERSITY OF ILLINOIS

Climatological Data for March, 1925.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	21	50.8 + 3.2		84	8†	11	2	43	3.30 −0.94	0.90	0.5	7	6	19	6	w.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	43	50.8 + 3.5		81	8	8	2	41	3.41 −1.22	0.92	1.5	7	17	5	9	sw.	E. W. Horr.
Calhoun	McLean	437	21	50.7 + 1.5		81	8†	10	2	40	3.27 −1.45	1.15	0.2	9	11	16	4	nw.	W. A. Taylor.
Carlington	Hopkins	420	35	51.6 + 4.3		82	8†	11	2	39	2.97 −1.91	1.09	T.	9	21	2	8	n.	Brick Southworth.
Greenville	Muhlenburg	519	8	49.3		83	9	9	2	40	3.77	1.48	0.0	8	20	7	4	s.	C. R. Lovell.
Hopkinsville	Christian	524	29	51.9 + 2.7		84	9	12	2	43	4.61 −0.23	1.65	T.	7	18	7	6	s.	W. E. Graves.
Marion	Crittenden	571	27	50.5 + 2.0		80	9	9	2	39	3.52 −2.08	0.81	1.2	5	13	9	9	s.	B. C. Paris.
Mayfield	Graves	364	16	52.0 + 0.6		80	8	11	2	40	4.20 +0.14	2.60	T.	6	19	8	4	sw.	N. E. Douthit.
Owensboro	Daviess	479	28	47.7 + 0.8		80	9	7	2	36	3.00 −1.78	1.07	T.	10	19	6	6	nw.	Henry S. Berry.
Paducah (near)§	McCracken	516	8	51.2		82	8	11	2	42	3.35	1.05	0.0	8	21	3	7	se.	J. W. Lilley
Paducah	McCracken	341	36								2.85 −1.54	1.08	1.0	8					Frank L. Brown.
Princeton	Caldwell	529	18	50.7 + 2.2		82	9	10	2	41	3.40 −1.75	1.15	1.0	9	15	9	7	s.	Dr. W. L. Cash.
Ramsey, Lock 2‡	Logan	344	1								3.25	1.07	T.	10					Thos. L. Wetzell.
Russellville	Logan	590	14	*49.0 + 0.2		81*	9	13*	2†	45*	2.52 −2.88	0.79	2.0	8	17*	4*	9*	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	24	47.2 + 2.1		80	9	8	3	42	3.48 −0.76	1.36	T.	5	20	3	8	sw.	C. E. Barret.
Bardstown	Nelson	637	28	49.0 + 2.4		81	9	11	3	42	3.50 −1.19	1.10	0.0	8	15	2	14	s..	Chas. M. Talbott.
Bowling Green	Warren	500	37	50.2 + 1.9		81	9	12	3	40	6.19 +1.27	1.53	1.5	8	18	7	6	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0								4.86	1.90	2.4	10					W. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	8								5.35	1.41	T.	10					Virgil M. Whalin.
Burnside	Pulaski	773	34								4.08 −1.18	1.30	1.0	8					F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	26								3.57 +0.24	1.06		12					Charlie Oliver.
Cloverport	Breckenridge	375	11								3.99 −0.27	1.44	0.2	11					W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	1	*48.9		81*	9	11*	3	43*	3.83	1.15	1.0	9	15	9	7	s.	Geo. Henry Ellis.
Eubank	Pulaski	1177	31	48.6 + 2.5		79	9†	6	3	42	3.46 −1.58	1.45	0.0	7	8	8	15	s.	Mrs. Katie Payne.
Frankfort	Franklin	660	33	48.4 + 1.8		78	9	11	3	41	3.72 −0.98	1.28	0.2	9	20	0	11	w.	Sidney Wood.
Franklin	Simpson	691	30	53.2 + 3.6		82	9†	18	1†	46	1.90 −3.18	0.53	0.0	7	17	7	7	s.	Jos. H. Blewett.
Gest, Lock 3	Henry	449	14								4.94 +0.56	1.42	.....	11					Albert Purvis.
Glasgow	Barren	780	4	49.7		80†	13	10‡	3	39†					12†	0†	10	w.	Dr. Fidella Edwards.
Grant, Dam 3§	Boone	506	0								2.01	0.60	.....	7					W. L. Patchell.
Greensburg	Green	581	32	49.0 + 2.4		80	9†	10	3	45	3.74 −1.29	1.39	1.0	13	12	0	19	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	23								3.72 −0.72	1.22	0.5	9					Miss Lulu Wood.
Irvington	Breckenridge	646	27	49.5 + 2.7		79	9	9	2	34	3.02 −1.58	1.04	T.	7	17	5	9	sw.	W. J. Piggott.
Junction City	Boyle	985	31	48.1 + 2.0		79	9	6	3	42	4.83 −0.34	1.54	1.0	10	14	15	2	w.	William E. Grubbs.
Leitchfield	Grayson	685	29	49.2 + 2.7		79	8†	11	2	40	2.23 −2.45	1.01	0.1	7	16	12	3	s.	H. H. Willis.
Lexington	Fayette	989	37	46.6 + 2.9		78	9	8	3	38	3.45 −1.27	1.06	0.3	10	10	9	12	sw.	U. S. Weather Bureau.
Little Hickman, Lock 8*	Jessamine	523	14								3.75 −0.23	1.20	0.0	8					Horace Canter.
Lockport, Lock 2	Henry	436	15								4.17 −0.30	1.35	0.2	8					Andrew J. Keenan.
Louisville	Jefferson	525	52	48.1 + 2.7		79	9	9	2	36	3.54 −0.78	1.25	0.4	13	16	5	10	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	15	48.6 + 2.6		78	9	9	2	39	3.84 −0.57	1.33	0.2	12	18	4	9	sw.	Wm. J. Hunt.
Munfordville	Hart	570	0								5.45	1.68	1.0	10					W. F. Nichols.
Pilcher (Dam 43)	Meade	363	2								3.69	1.20	T.	9					W. D. Farnsley.
St. John	Hardin	777	29	48.0 + 2.5		80	8	10	2†	45	4.99 0.00	1.20	0.2	10	21	4	6		Sisters of Loretto.
Salvisa, Lock 6*	Mercer	490	11								4.91 +1.76	1.70	.....	9					Ernest M. Searcy.
Scott¶	Kenton	900	27	46.3 + 2.9		77	13	5	3	41	2.95 −1.49	0.72	0.2	13	10	14	7	s.	E. B. Wilson.
Shelbyville	Shelby	825	36	48.4 + 3.7		80	9	9	3	37	4.15 −0.56	1.44	0.3	12	19	3	9	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	23	47.8 + 1.2		78	8	12	2†	43	4.21 −0.43	1.46	0.2	9	18	6	7	s.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	476	7								2.58	1.00	0.0	6					H. K. Vaughn.
Williamstown	Grant	943	22	46.6 + 2.0		79	13	5	3	39	3.52 −0.86	1.08	T.	8	14	8	9	nw.	Mrs. E. S. Humlong.
Woodbury, Lock 4‡	Butler	533	8								4.62	1.26	0.2	11					J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	8	*50.0 + 2.4		80*	10†	9	3	44*	3.65	1.15	0.0	7	16	0	15	w.	W. B. Shaw.
Beattyville	Lee	650	21	48.5 + 2.6		83	9	8	3	52	3.35 −1.73	1.10	0.5	10	10	6	15	w.	Mrs. Salina E. Hall.
Berea	Madison	1070	23	50.0 + 2.9		81	9	14	2	43	3.47 −1.29	1.25	1.0	9	6	16	9	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	15								4.24 +0.08	1.50	1.0	10					Kelly Walden.
Cynthiana	Harrison	684	7								4.44	1.31	T.	10					P. H. Kehoe.
Falmouth	Pendleton	600	36								3.37 −0.72	0.92	T.	11	16	5	10	e.	J. V. Oldham.
Farmers	Rowan	668	19	47.8 + 2.7		81	13	4	3	49	3.88 −0.58	1.20	T.	7	10	14	7	n.	Mrs. Edna Tinsley.
Flemingsburg	Fleming		0								4.13	1.11	.....	7					C. A. Glascock.
Ford, Lock 10*	Clark	559	9								3.91 −0.01	1.25	T.	10					John A. Walters.
Grayson	Carter	589	0								3.22	0.88	1.0	10					Col. Frank Powers.
Harlan	Harlan	1197	1																Dr. G. F. Cramer.
Hazard	Perry		0								2.61	1.04	T.	10					Chas. A. Ibrig.
Heidelberg, Lock 14	Lee	629	8								2.71	1.15	1.0	8					S. C. Cole.
Hindman	Knott	1032	0	48.0		80	9	9	3	44	2.78	0.70	T.	10	16	4	11	sw.	John S. Lane.
Louisa	Lawrence	584	21								4.27 +0.18	1.41	.....	8					Russian Copley.
Maysville	Mason	524	28	47.4 + 2.8		79	10†	7	3	47	3.68 −0.96	1.00	0	11	9	11	11	s.	Perry E. Bennett
Middlesboro	Bell	1128	29																B. H. Perkins.
Mount Sterling	Montgomery	930	35	46.9 + 3.2		80	10	6	3	45	4.70 −0.71	1.40	0.5	8	22	1	8	w.	W. R. McKee.
Oliver, Dam 30	Greenup	540	5								3.36	0.93	T.	8					M. W. Kinner.
Onesnta, Dam 35	Campbell	443	3								3.46	0.82	T.	10					Andrew M. Stanforth.
Pikeville	Pike	634	19								2.89 −1.50	1.35	T.	11					Robert Repass.
Prestonsburg	Floyd	640	0								2.15	1.00	T.	7					E. C. Hall.
Ravenna, Lock 12	Estill	593	7								3.37	1.05	.....	11					Walter P. Rush.
Richmond	Madison	926	34	49.4 + 4.0		81	9	8	3	41	3.65 −0.74	1.58	1.2	7	15	7	9	.....	J. W. Crooke.
Sergent	Fletcher	1235	2	49.4		83	9	10	3	46	2.25	0.60	0.0	8	21	7	3	ne.	A. K. Williams.
Valley View, Lock 9	Madison	541	12								3.36 −0.43	1.30	0.0	10					Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	10								3.94 −1.30	1.00	0.0	10					Samuel Johnson.
Wayland	Floyd	700	0								2.86	1.00	.....	11					T. L. Muncaster.
Whitesburg	Letcher	1162	0								2.49	0.99	T.	10					G. H. Zimmerman.
Williamsburg	Whitley	939	28	50.7 + 4.6		84	9	12	3	46	2.75 −2.22	0.64	1.0	8	25	5	1	.....	Lawrence R. Uhl.
Willow, Lock 13	Lee	611	6								2.95	1.18	.....	7					Shelby Angel
State averages and extremes				49.2		84	8*	4	3	52	3.59	2.60	0.4	9	16	7	8	se.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, b represents two days, etc.

+ Also on other dates. ** Received too late to be included in means and summaries.

¶ Post-office addresses. Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

§ Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

In Kentucky this storm killed three persons, injured about 50, and caused damage estimated at $100,000. In Indiana it killed three persons outright, one died later, five were dangerously injured and 50 others less seriously hurt; while the property damage was estimated at about $100,000. For a storm of this character and severity, the damage was comparatively light because it passed through a farming section. A second tornado, with a path about 60 miles long and 200 to 400 yards wide, moved from Marion County through Washington, Mercer, Jessamine, and Fayette, to Bourbon County. It killed two persons, injured about 40, and caused property damage estimated at $850,000.

Daily Precipitation for March, 1925

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	.15	.05									.50			.80				.40	.50								.90					3 [illegible]
Blandville	.15	T.		T.						T.	.64	.01	.92					.79							.05	.85					3 41
Calhoun		.02								.03	.56			1.15		T.		.92	.02		T				.12	.06	.39				2 37
Darlington	T.	.02								T.	.37		T.	1.09		.03	.05	.83							.15	.03	.40				2 55
Greenville	.10	.03									.60			1.48				.68	.17						.06		.65				3.77
Hopkinsville	.07	.05									.39			1.10		T.	.04	1.31								1	.65				4 61
Marion	T.	.16								T.	.71			.81				.62							.22	T.					2 52
Mayfield	T	T.		T.						.10	.95					T.	T.	2.60							.10	.20	.25				4 20
Owensboro	.17	T.								.10	.89	T	.03	1.07		T.	.20	.32							.14	.06	.02				2 09
Paducah (near) ¶			.15								.40			1.05				.80									.95				3 55
Paducah	.08	.10								T.	.20	.19		1.08				.78	.08						T		.34				2 85
Princeton	.16	.05								T.	.40	T.	T.	1.15		.03		1.00							.06	.54	.01				3 49
Ramsey, Lock No. 2	.16	T.									.29	.23		1.07			.05	.30	.49						.06	.04	.56				3 29
Russellville	.11										.10	.06		.65			.12	.22	.79								.47				2 82
Central Division																																
Anchorage	.11	T		T						T.	1.01		T.	1.36		.02		.98								T		T			3 18
Bardstown	.15										.43			1.10			.03	.88	.28							.08	.55					3 50
Bowling Green ‖		.50										.48		.75			.30	.80	1.53						.65	1.18					6 19
Bowling Green, No. 2 ‖	.11	.03									.17	.10		.82			.22	.17	1.90						.11	.93					4 58
Brownsville, Lock No. 6 ‖	.26	.03									.23	.28		1.47			.15	.44	1.05						.03	1.41					5 35
Burnside ‖	T.	.40										.26		.75			.09	.12	1.50						.08	1.08	T.				4 08
Carrollton ‖ ‡ (Lock No. 1)	.18	.06		.03							.68	.19		1.06			.06	.12	.72	.12		T.			.01	.34					3 57
Cloverport ‖	.21	.02									.72	.59		1.44			.11	.24	.25						17	.04	.20	T.			3.99
Dix Dam, Burgin	.19	T.	T.								.58	.05		1.13	T.		.08	1.15	.12	T.					.03		.50				3 83
Eubank ‖	.25	.10											.45	T.	.05		.20		1.45								.90				3.40
Frankfort ‖	.12	.05									.28	.63		1.28	T.		.06	.08	.9*						T.		.25	T			3 72
Franklin		.20									.25			.50			.14	.53	.25						.03						1.90
Gest, Lock No. 3 ‖	.18	.02									.46	.34	.08	1.42			.08	.04	.92	.10						1.30		T.			4.91
Glasgow			.30															1.75	.10							.30	1.00				
Grant, Dam 38 ‖	.09	.06		T.						T.	.50		T.	.60			.08	T.	.52						T.		.16	T		T	2.01
Greensburg	.22	.04									.07	.10		.61		.01	.03	1.39	.05						.02	.01	1.17	.02			3.74
High Bridge, Lock No. 7 ‖	.19	.05							.30	T.		.42		1.22			.08	.08	.87								.51				3.72
Irvington	T.	.15								T.	1.00			1.04		T.	.12	.50							.06	T.	.16				3.02
Junction City	.30	.10									.65	.15		1.15	.01	T.		1.54	.20							.01	.72	T.	T		4.83
Leitchfield	.03	T.								T.	.06			1.01		.01	.02	.09	T.						T.	T.	1.01				2.23
Lexington ***	.27	.02		T.						T.	.73			1.06		.07	.07	.96		.02					T.	.02	.23				3.45
Little Hickman, Lock No. 8	.10	T.									.18	.45		1.04			.08	.10	1.20								.60				3.75
Lockport, Lock No. 2 ‖		.02									.48	.33	T.	1.35			.07	.47	.36							1.09	T				4.17
Louisville ***	.12	.01		T.							.40	.44		.67	.48	.07	.01	1.25	.01						.02	.02	.04	T.			3.54
Do. (Cherokee Park)	.15	.02								T.	.89		.06	1.38	T.		.11	.88	.25	.03					.05	.04	.03				3.84
Munfordville ‖	.18	.08	T.								.20	.44		1.25			.13	.29	1.68							.06	1.14				5.45
Pilcher (Dam 43 ‖	.09	T.									.45	.72		1.20	T.		.33	.35	.35						.10		.10	T			3.69
St. John	.80	.05								T.	.60			1.20			.15	.68	.90						.09	.12	.40				4.99
Salvisa, Lock No 6 ‖	.28	.10									.40	.45		1.70			.15	.10	1.25						T.		.48				4.91
Scott	.21			.02						.04	.72			.60			.08	.58	.37	.07					.01	.08	.15		.02		2.95
Shelbyville	.07	.06									1.10	.01	.03	1.44			.06	.66	.42						.03	.03	.24				4.15
Taylorsville	.16	.02									.78			1.46		T.	.09	.80	.60	.02						T	.28				4.21
Tyrone, Lock No. 5 ‖	.10									.25	.40		1.00					.62								.21				2.58
Williamstown	.18	T.									.73			1.08			.12	.53	.18	.03							.67				3.52
Woodbury, Lock No. 4 ‖	.16	.08								01	.55	07		1.26			.12	.38	.68						T.	.18	1.13				4.02
Eastern Division																																
Ashland ‖	.15	.35									.35	.60		.70					1.15								.35				3.65
Beattyville ‖	.18	.52								T.		.04		.42	.03		.08	.05	1.10	T.							.89	.04	T.		3.35
Berea	.33	.10								.10	T.			.98		T.	.06	1.02	.23						T.	.04	.61		T		3.47
College Hill, Lock No. 11 ‖	.30	.07								.10	.45			1.15			.15	.10	1.50						.02		.40			T	4.24
Cynthiana ‡	T.	.04								.28	.65		.06	1.31			.11	.09	.93	.03							.94				4.44
Falmouth ‖	.18	T.								.48	.23			.92			.14	.05	.72	.08					.01		.58	.03			3.37
Farmers ‡	T.	.29								.32	.53		.04	1.10				T.	1.20								.40		T.		3.88
Flemingsburg ‖											.63		.04	1.10													.55				4.13
Ford, Lock No. 10 ‖	.23	.06	T.							.31		.68	.05	1.11			.11	.91								1.01					4.91
Grayson ‖	.85	.03	.02							.23	.41	T.	1.10				.15	.04	1.25						.01	.43	T.		T.	T.	3.91
Harlan										.01		.50	.05	.50			.08		.88								.30				3.22
Hazard ‡	.05	T.																													
Heidelberg, Lock No. 14 ‖		.32									.19			.19			.13	.37	1.04								.57	.04	.01	.02	2.61
Hindman	.44	T.			T.					T.	.04			.33			.10	.04	1.15	.03						T.	.70	T			2.71
Louisa	.36										.12	T.		.15			.15	.49	.70	T.					T.	T	.62	.07		.03	.01	2.76
Maysville ‖	.27	.07									.68	.44		.60			.13	.10	1.41									.55				4.27
Middlesboro										.33	.47	.01	1.00		T.	.11	.08	.78	.02					T.		.54	T.		T		3.68
Mount Sterling	.12	.09																													
Oliver, Dam 30	.31	.03								1.24				1.40				1.30	.15								.30	.10	T.		4.70
Oneonta Dam 35 ‖	.15		T.							.23	.47			.70				.04	.93								.65				3.36
Pikeville ‡	.18	.20								.66	.18	.06		.76			.17	.21	.82	.11							.34		T.	T	3.46
Prestonsburg ‡	.30	.10									.22			.12			.08	.15	1.35								.42	.10		.02	2.89
Ravenna, Lock No. 12 ‖	.15	.15	.10	.36							.10					.10	T.	.10	1.00	T.							.45				2.15
Richmond	.25	.11								.10	.25		.62				.12	.05	1.05	T.						T	.42	T.			3.37
Sergent	.15									.43			1.03				.15	1.58	.10	T.								T.		T	3.65
Valley View, Lock No. 9 ‖	.12	.13									.25				.15			.30	.60						10		.60	.10			2.25
Vanceburg, Dam No. 32 ‡		.22								.94					.04	.14	1.30	.21							10	.17	.21				3.36
Waylands	.22	.28								.27			.04	1.00			.12	.04	.84								.10	.69		.02		3.94
Whitesburg ‡	.02	.12									.30		.14	.02			.11	.18	1.00								.42	.10	.09			2.80
Williamsburg ‡	.45	.13									.32	T.		.16			.02	.06	.98						.06	.56	.18				2.49
Willow, Lock No. 13 ‖	.30	.12								.35			.30				.20	.08	.60							.64					2.75
											.06			.56			.09	1.18								.64					2.95

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

The greatest damage occurred in Washington and Mercer counties. A third tornado entered the State from Tennessee, passed through Allen, Monroe, and Metcalfe, to Adair County. Its path in Kentucky was about 50 miles long, and where the funnel touched the earth about 500 feet to one-half mile wide. This storm killed 12 persons, injured about 60, and caused damage estimated at $100,000. These storms exhibited all the characteristics of tornadoes. In the early portions of their paths the destruction was almost continuous, but in the later stages of the storm the damage occurred in spots until the funnel cloud finally disappeared. One person was killed by lightning in Shelby County.

Rivers. Good stages prevailed in the Ohio during the month. The lower Green was in flood from the 1st to 4th, otherwise stages were moderate in the streams of the State.

Daily Temperatures for March, 1925.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	60	34	44	58	52	67	3	84	84	78	72	62	80	73	50	57	60	70	69	64	71	67	75	80	74	72	68	64	60	60	61	65.7
	Minimum	31	11	14	30	25	28	40	47	46	59	40	30	47	33	26	26	29	43	38	28	40	29	39	43	53	54	44	33	32	30	33	35.8
Brandville	Maximum	59	37	44	51	52	65	76	81	77	80	78	75	75	45	48	61	73	57	63	67	66	72	77	77	72	66	61	64	53	64	64	62.9
	Minimum	34	8	17	32	28	35	47	51	52	58	34	38	33	31	41	44	39	37	46	39	43	38	40	44	52	57	56	45	34	48	34	37	38.6
Calhoun	Maximum	47	34	43	49	49	64	79	81	81	79	72	58	33	35	50	58	68	68	58	62	62	69	74	74	72	69	58	58	55	58	58	62.5
	Minimum	34	10	12	31	28	29	39	54	43	59	38	32	48	43	43	43	43	43	37	29	43	38	40	44	54	53	45	34	35	58	38	38.9
Earlington	Maximum	51	33	44	50	49	66	80	82	82	77	72	60	78	73	46	55	60	...	...	...	69	66	74	79	76	73	70	61	60	55	61	64.6
	Minimum	31	11	14	34	24	31	51	56	44	62	38	31	49	34	26	26	43	50	...	...	...	39	44	45	53	55	45	36	34	38	33	38.5
Greenville	Maximum	57	40	43	47	50	66	73	79	83	78	73	55	80	70	45	50	59	72	...	...	...	61	67	82	68	78	72	57	61	60	56	62.5
	Minimum	32	9	11	31	24	25	47	53	45	49	36	30	47	32	22	25	41	49	...	...	...	39	42	52	54	42	31	34	37	35	36.1
Hopkinsville	Maximum	48	38	47	53	54	68	81	83	84	79	72	69	79	73	51	56	61	74	...	66	74	...	...	...	...	...	67	64	64	60	61	66.9
	Minimum	34	12	15	28	26	30	38	45	44	54	38	32	49	32	26	25	45	57	...	27	41	43	...	44	...	...	...	51	36	35	35	36.9
Marion	Maximum	48	38	33	49	48	58	74	78	80	78	73	61	71	74	41	50	53	...	...	55	63	65	68	75	77	...	...	...	61	59	59	62.1
	Minimum	33	9	15	32	33	36	52	52	52	50	36	29	46	35	24	31	41	51	...	35	48	38	42	54	54	...	...	...	35	36	38	38.9
Mayfield	Maximum	50	40	45	52	53	68	76	80	76	73	70	60	74	72	46	49	60	74	...	62	69	68	75	76	...	...	...	62	64	55	65	64.0
	Minimum	35	11	18	30	29	35	49	51	51	59	37	32	49	32	26	30	45	52	...	35	47	43	44	52	...	...	...	37	42	35	39	40.1
Owensboro	Maximum	45	30	48	46	49	58	78	77	80	75	42	51	76	45	42	52	58	69	...	58	64	64	69	76	...	...	...	59	56	54	59	59.4
	Minimum	29	7	24	27	29	33	42	47	46	44	30	30	44	31	26	28	40	48	...	29	41	36	40	47	...	...	...	54	41	35	32	37	37	36.0
Paducah (near)	Maximum	50	40	44	48	50	60	78	82	72	71	71	54	72	75	60	47	57	70	79	59	66	66	68	70	...	70	70	59	59	60	59	62.9
	Minimum	35	11	18	31	28	36	47	51	49	60	36	29	49	53	28	25	43	50	41	35	48	42	45	50	...	59	44	33	42	35	36	39.5
Princeton	Maximum	47	33	42	50	48	67	79	81	82	74	72	70	75	70	46	52	61	72	67	67	68	67	74	78	...	72	69	61	58	56	61	64.4
	Minimum	33	10	15	30	28	30	38	44	44	59	37	31	40	34	26	27	42	53	38	29	...	39	40	44	54	55	44	33	37	35	38	37.0
Russellville§§	Maximum	40	21	40	50	49	64	78	79	81	77	59	63	78	58	50	51	62	70	44	62	70	67	72	77	69	73	50	...	58	55	69	61.2
	Minimum	21	13	13	17	27	28	33	49	49	54	51	34	33	55	30	27	44	45	38	29	30	41	41	43	50	55	45	34	...	37	35	36.7
Central Division																																	
Anchorage	Maximum	44	25	39	46	47	64	78	77	80	76	66	56	78	68	45	55	60	60	64	58	62	61	65	76	76	74	61	58	54	58	59	61.0
	Minimum	25	10	8	27	21	24	36	47	46	59	39	29	42	32	27	25	42	42	36	28	36	34	36	37	48	48	31	20	27	30	30	33 5
Bardstown	Maximum	48	27	40	49	45	65	75	78	81	78	70	67	76	75	47	56	63	62	66	62	66	62	70	75	73	73	68	58	54	50	55	62.2
	Minimum	28	12	11	34	24	26	41	54	44	58	38	31	44	32	29	25	44	47	37	28	37	35	37	40	55	51	40	32	29	34	37	35.9
Bowling Green	Maximum	46	34	42	48	48	65	78	80	81	75	74	61	80	73	47	54	61	69	68	62	68	62	70	65	70	79	74	73	66	60	59	57	61	63.9
	Minimum	33	13	12	31	26	26	38	48	47	55	43	38	44	34	28	27	30	48	38	28	38	40	37	42	43	53	44	34	36	37	38	36 4
Dix Dam	Maximum	47	32	42	48	44	63	77	78	81	78	73	57	79	...	47	57	61	59	64	58	59	63	66	77	73	76	68	58	55	47	54	61 6
	Minimum	30	13	11	31	26	25	34	44	44	53	45	35	53	29	26	44	44	45	32	38	37	37	38	56	55	45	35	32	34	36	45	36 *36.2
Eubank	Maximum	39	30	33	50	43	52	77	75	79	75	71	79	70	56	44	54	61	67	67	68	69	63	67	73	70	73	64	46	54	45	53	60.2
	Minimum	30	15	6	32	25	23	35	52	47	55	48	46	40	34	28	28	42	46	38	46	47	40	35	41	54	51	43	31	28	32	32	37.1
Frankfort	Maximum	47	33	39	47	45	61	75	76	78	77	73	55	77	75	43	58	57	59	64	55	66	64	63	74	73	75	69	56	56	48	53	61.0
	Minimum	31	13	11	28	26	26	34	44	44	52	43	33	43	36	29	27	44	42	38	32	35	37	37	54	50	46	36	33	35	36	35	35.9
Franklin	Maximum	38	35	45	55	60	65	80	78	82	82	80	65	79	78	70	55	62	72	71	70	71	72	75	73	60	55	44	32	35	35	35	39.0
	Minimum	18	18	30	32	30	30	46	56	55	56	41	33	49	32	29	26	43	53	38	38	41	40	40	46	54	55	44	32	28	35	35	41 6
Glasgow	Maximum	...	...	10	19	26	28	...	...	...	...	...	...	...	...	80	...	72	55	60	71	70	61	72	70	72	75	73	60	55	60	56	61	63.3
	Minimum	...	...	10	19	26	28	...	...	...	...	...	...	...	...	...	...	33	29	38	51	38	30	40	42	40	50	50	50	43	33	36	35	38	36.1
Greensburg	Maximum	47	33	42	52	46	64	77	77	80	77	72	58	80	74	46	57	68	67	67	60	69	64	69	75	73	74	69	57	55	50	56	63.1
	Minimum	31	15	10	28	25	22	32	50	42	57	45	33	47	35	30	24	43	46	37	28	30	40	32	36	55	52	44	32	30	34	33	34.8
Irvington	Maximum	49	29	40	47	45	62	78	77	79	75	68	55	77	69	45	56	59	67	65	58	64	60	65	76	73	70	65	57	55	53	58	61.1
	Minimum	29	9	12	33	27	31	46	51	45	60	39	32	45	35	26	31	44	49	35	30	44	37	40	45	55	55	45	37	36	36	36	37.9
Junction City	Maximum	45	31	41	49	45	65	70	78	79	76	70	57	78	75	44	57	60	56	62	68	65	61	68	75	73	75	66	55	50	45	53	61.0
	Minimum	30	14	6	33	23	31	29	56	41	65	45	42	39	33	28	22	41	41	37	29	31	35	32	36	48	50	41	35	33	32	34	35.2
Leitchfield	Maximum	42	31	38	48	45	62	78	79	79	75	54	57	76	70	45	54	57	67	65	68	68	62	69	78	71	70	68	57	55	53	54	61.3
	Minimum	30	11	13	32	27	31	44	52	48	57	40	32	42	32	26	28	44	47	37	28	40	38	36	46	53	54	46	34	33	35	37	37.0
Lexington	Maximum	46	21	38	44	41	62	74	74	78	75	58	53	76	66	42	55	58	64	47	56	64	54	62	72	70	72	57	53	45	44	49	57.1
	Minimum	21	9	8	30	24	33	48	51	43	57	36	31	42	28	27	31	44	47	36	35	42	34	35	48	56	55	38	34	32	31	33	36.1
Louisville	Maximum	50	24	39	45	45	62	77	76	79	74	56	55	77	60	44	56	56	68	44	57	64	58	65	75	73	70	59	56	51	51	54	58.7
	Minimum	24	9	12	33	27	32	49	46	43	56	37	31	44	31	28	32	44	41	36	36	45	38	40	46	54	58	43	39	38	36	34	37.5
Do (Cherokee Park)	Maximum	37	32	39	44	45	61	76	76	78	77	72	55	77	73	44	55	57	61	65	57	64	60	65	75	74	72	69	57	54	51	55	60.5
	Minimum	36	9	12	33	25	28	42	54	41	60	42	36	43	34	27	27	44	44	36	32	41	34	37	38	51	55	45	37	36	35	33	36.8
St. John	Maximum	48	33	39	50	48	62	79	80	79	75	72	58	75	73	45	54	58	66	67	57	68	61	67	75	71	69	68	66	52	55	57	62.7
	Minimum	25	10	10	31	16	25	37	51	42	57	38	36	35	31	25	26	44	45	26	35	33	35	39	52	51	35	30	34	30	33	33	33.2
Scott	Maximum	44	28	37	44	42	59	73	75	71	76	70	55	77	75	42	57	54	58	62	54	64	54	60	74	72	75	60	54	50	45	50	58.4
	Minimum	28	8	5	30	21	28	40	52	36	56	40	28	40	32	23	26	43	42	36	31	38	33	32	39	49	51	45	34	29	33	32	34.2
Shelbyville	Maximum	47	34	40	48	46	61	78	79	80	77	69	56	78	70	45	56	58	61	62	57	66	58	64	71	76	77	64	58	54	52	58	61.3
	Minimum	26	10	9	28	23	28	43	48	50	53	39	31	41	34	31	27	42	45	38	30	37	34	36	42	51	52	41	33	31	32	33	35.6
Taylorsville	Maximum	47	33	39	46	44	61	76	78	76	76	72	55	74	70	43	57	59	61	64	56	66	58	64	75	73	71	66	56	54	50	54	60.5
	Minimum	32	12	12	29	25	25	33	44	43	49	41	33	43	35	29	27	44	41	37	29	33	34	36	35	52	49	45	35	32	34	36	35.0
Williamstown	Maximum	44	39	37	45	41	59	71	73	76	76	70	53	79	71	41	58	55	58	60	55	63	58	61	74	76	74	62	58	53	48	50	58.8
	Minimum	39	7	5	30	21	25	38	52	37	55	39	29	40	32	24	27	43	43	36	29	38	32	32	40	50	53	42	33	29	32	30	34.3
Eastern Division																																	
Ashland	Maximum	48	41	40	...	...	74	78	77	77	80	79	55	69	49	60	58	58	63	55	69	65	62	77	74	80	77	62	51	45	51	64.0
	Minimum	30	17	9	26	29	40	38	41	41	45	51	33	39	48	31	25	44	40	44	36	33	36	34	33	48	47	43	37	33	33	36	36.1
Beattyville	Maximum	47	36	45	55	49	65	82	78	83	80	75	62	83	77	47	59	64	60	68	63	70	68	76	78	78	78	70	64	56	48	54	64.4
	Minimum	34	12	8	25	25	20	30	35	41	49	36	40	36	39	30	222	44	39	41	31	27	35	30	32	32	44	46	38	27	34	34	32.6
Berea	Maximum	46	32	40	50	50	63	77	76	81	78	72	57	80	73	42	58	61	73	69	66	78	61	65	75	70	76	65	53	50	44	51	62.4
	Minimum	30	14	20	38	21	21	46	57	41	58	46	33	44	37	29	26	44	48	39	31	35	37	35	45	56	57	45	36	29	32	35	37.7
Farmers	Maximum	46	35	44	54	49	64	76	79	79	79	75	62	81	76	50	65	60	62	64	61	70	65	67	78	74	71	65	54	58	45	55	63.3
	Minimum	28	24	4	21	18	17	28	43	38	50	37	28	35	38	27	40	42	36	38	31	35	31	27	29	45	44	45	33	25	31	32	32.2
Harlan	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Hindman	Maximum	50	38	43	53	46	58	75	80	77	76	58	59	74	62	61	59	68	69	57	70	64	65	75	68	77	68	52	52	45	50	50	62 0
	Minimum	36	20	9	24	28	21	29	34	39	39	38	41	39	42	31	22	45	38	45	34	28	35	29	33	41	42	46	32	28	32	36	34.1
Maysville	Maximum	47	32	39	48	46	61	75	76	78	79	79	55	79	72	44	58	56	60	60	57	67	63	63	76	73	73	69	55	53	47	51	60.9
	Minimum	30	12	7	27	23	22	51	46	39	45	43	32	37	25	28	23	45	39	40	31	31	32	31	33	47	47	45	37	33	34	34	33.9
Middlesboro	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Mount Sterling	Maximum	43	19	41	49	55	63	68	76	78	80	56	56	79	50	55	56	61	60	63	62	65	60	62	70	76	79	54	52	46	45	49	59.0
	Minimum	29	12	6	27	22	47	44	46	42	45	40	31	34	36	32	25	32	49	40	31	36	34	33	41	49	50	45	38	29	30	28	31 8
Richmond	Maximum	54	34	42	50	46	65	77	77	81	78	74	59	79	75	47	58	63	60	58	62	68	65	71	79	73	70	67	63	56	48	53	63.1
	Minimum	33	13	8	30	23	24	40	51	45	54	44	36	40	35	27	36	42	45	37	31	38	34	31	41	52	52	43	33	29	31	33	35.6
Sergent	Maximum	54	41	47	54	50	72	75	78	77	78	77	78	77	76	46	58	64	72	72	60	71	70	69	76	65	76	73	52	52	45	49	64.5
	Minimum	39	23	10	26	29	22	29	33	39	41	33	43	42	30	32	25	47	40	45	35	29	36	30	33	56	43	45	33	31	31	36	34 4
Williamsburg	Maximum	55	38	44	54	49	66	80	84	79	80	80	75	48	55	51	65	73	72	63	74	69	71	78	74	78	64	63	57	52	55	65	65 5
	Minimum	17	21	12	32	28	23	34	43	42	45	57	46	43	26	24	24	45	48	42	31	31	37	33	37	50	52	44	40	36	33	38	35.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville, 4-20-25

5105
N/E

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

JUN 2 1925

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXX LOUISVILLE, KY., APRIL, 1925. No. 4

GENERAL SUMMARY.

Weather conditions exceptionally favorable for farm operations and growth of vegetation prevailed during the month. Not in many years have seasonal activities been so far advanced at the end of April. Temperatures averaged above normal almost continuously from the 2d to 26th, inclusive. Although precipitation was much less than normal, it occurred as frequent showers and was sufficient for the needs of wheat and rye. Young clover germinated poorly and pastures felt the need of more rain. There were no general frosts after the 1st, which was the last killing frost to reach all districts. The excellent start made in plowing and gardening during the preceding month continued without serious interruption until farm operations were from one to two weeks ahead of the season. Deficient moisture early in the month made it necessary to water tobacco plantbeds, but the showers and high temperature later on developed the plants more rapidly than usual. Wheat improved steadily, but the late sown was so thin on the ground that much of it was plowed up. Early wheat commenced to joint by the second week, and had reached a height of one and one-half to two feet at the close of the month. Late wheat improved decidedly by stooling. Early gardens developed so rapidly as to produce vegetables for the table. Potato planting was finished early in the month, and cultivation of the first plantings had commenced in the southern counties. Corn planting began in that section about the 10th, and was nearly half completed by the 30th. Cotton planting began about the 2d in the extreme southwest, and continued throughout the month. In that district cultivation of early corn and cotton commenced. Like other crops, oats advanced remarkably, with a good stand and large acreage. Early rye furnished abundant grazing and bluegrass grew luxuriantly. Except for peaches, which suffered from winter-killing in the northern counties, the prospect for tree fruits was generally good.

TEMPERATURE.

The average temperature for the month, based on reports from 40 stations, was 61.2°, which is 5.3° above normal and the highest on record for the State with the exception of April, 1896, when the average was 63.6°. Minimum temperatures near freezing occurred at many stations during the first week. From the 8th to 26th high maxima occurred nearly every day. They registered above 90° in all districts on the 23d and 24th. Extremes for the State were 98° on the 24th, and 23 on the 1st; both at Farmers.

PRECIPITATION.

The average precipitation for the State, 77 stations reporting, was 3.16 inches, which is 0.87 inch below normal. Most of it occurred as light to moderate showers, frequently with light hail, in the following periods: 3d-5th; 9-11th; 14th-22d, and 26-30th. There were only a few heavy local rains. In most of the bluegrass region and in the counties along the Ohio River, the monthly amounts ranged between 1.5 and 3.0 inches. In the south-central districts they varied between 4.0 and 6.0 inches. Extremes for the State were 1.24 inches at Grayson, Carter County, and 6.70 inches at Junction City. Thunderstorms were reported on the 9th, 10th, 13th, 14th, 16th, 17th, 18th, 19th, 20th, 21st, 22d, 26th, 27th, and 28th.

MISCELLANEOUS.

Hail: at Greensburg and Lexington on the 19th, damaged plantbeds; at Ballardsville on the 14th, damaged fruit; at Pembroke on the 9th, damaged skylights and roofs. Light hail was reported as follows: 9th, Hopkinsville; 10th, Taylorsville; 18th,

PRESSURE AND WIND.

Stations	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity	Max. Velocity.* Miles per hour	Direction.	Date.
Cairo ..... Ill.	29.97	30.28	16	29.58	18	7309	10.2	35	nw.	27
Cincinnati ..... Ohio	30.01	30.35	6	29.60	19	5721	7.9	36	sw.	19
Evansville ..... Ind.	30.00	30.31	16	29.60	19	8469	11.8	40	w.	29
Lexington ..... Ky.	30.02	30.31	16	29.67	30	9868	13.6	44	sw.	19
Louisville ..... Ky.	30.01	30.32	16	29.63	19	8049	11.2	38	w.	28

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	73	48	47	311.1	394.8	79	19	2
Cincinnati ..... Ohio.	69	46	75	263.1	397.4	66	14	4
Evansville ..... Ind.	67	46	49	281.8	396.1	71	17	2
Lexington ..... Ky.	75	60	.....	200.3	396.1	51	9	5
Louisville ..... Ky.	70	47	52	284.9	396.1	72	18	1

COMPARATIVE DATA FOR APRIL.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with 0.01 in. or more.
1889	57.0	+ 1.1	89	24	1.61	−2.23	..
1890	57.0	+ 1.1	92	28	4.04	+0.10	..
1891	58.0	+ 2.1	92	24	2.52	−1.42	..
1892	56.0	+ 0.1	88	21	7.12	+3.18	..
1893	58.0	+ 2.1	94	21	6.99	+3.05	..
1894	56.0	+ 0.1	94	24	3.54	−0.40	..
1895	57.2	+ 1.3	94	32	3.18	−0.76	..
1896	63.6	+ 7.7	96	24	1.65	−2.29	9
1897	55.5	− 0.4	90	25	6.03	+2.09	11
1898	52.4	− 2.5	86	19	3.38	−0.56	8
1899	57.2	+ 1.3	96	29	3.16	−0.78	8
1900	56.2	+ 0.3	90	15	2.15	−1.79	8
1901	50.9	− 5.0	91	23	4.01	+0.07	10
1902	54.2	− 1.7	93	32	2.65	−1.29	8
1903	55.4	− 0.5	90	22	4.23	+0.29	12
1904	50.8	− 5.1	85	16	2.85	−1.11	12
1905	56.7	+ 0.8	91	23	3.00	−0.94	11
1906	59.5	+ 3.6	94	23	1.50	−2.54	7
1907	48.2	− 7.7	85	19	2.78	−1.16	11
1908	59.8	+ 3.9	89	28	6.56	+2.62	14
1909	56.1	+ 0.2	96	24	5.58	+1.64	14
1910	55.4	+ 0.5	88	23	5.14	+1.20	14
1911	55.8	− 2.1	90	26	7.06	+3.12	14
1912	58.4	− 2.5	87	25	7.90	+3.96	14
1913	55.3	− 0.6	89	27	2.53	−1.41	10
1914	55.7	− 0.2	91	23	5.62	+1.68	12
1915	60.1	+ 4.2	96	17	0.96	−2.98	5
1916	54.0	− 1.9	89	25	2.61	−1.33	8
1917	53.8	− 0.1	90	19	5.02	+1.08	12
1918	53.9	− 2.0	87	25	4.07	+0.13	12
1919	56.7	− 0.8	89	19	3.51	+0.43	10
1920	50.8	− 9.1	89	22	6.16	+2.22	13
1921	58.2	− 2.3	90	22	4.09	+0.15	12
1922	59.5	− 3.6	88	25	4.25	+0.31	10
1923	54.8	− 1.1	90	13	4.85	+0.91	9
1924	57.4	− 1.5	93	19	3.31	+0.37	10
1925	61.2	+ 5.3	98	23	3.16	−0.87	10

Climatological Data for April, 1925.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.			Number of days				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	21	63.0	+ 7.1	94	23†	29	1	44	4.71	+0.59	1.20	0	12	16	6	8	w.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	43	63.2	+ 5.8	87	24	35	1	34	2.89	−1.64	1.39	0	9	13	9	8	sw.	E. W. Horr.
Calhoun	McLean	437	21	62.0	+ 3.6	89	24†	33	1	40	3.01	−1.58	0.59	0	11	11	14	5	nw.	W. A. Taylor.
Earlington	Hopkins	420	35	63.8	+ 6.5	92	23†	30	1	44	3.42	−0.95	1.22	0	10	18	3	9	sw.	Brick Southworth.
Greenville	Muhlenburg	519	8					28*	1		5.47		1.45	0	13	13*	13*	3*	s.	C. R. Lovell.
Hopkinsville	Christian	524	29	64.0	+ 7.2	95	24	32	1	42	4.19	−0.16	1.56	0	13	15	6	9	s.	W. E. Graves.
Marion	Crittenden	571	27	63.8	+ 6.5	88	25	35	1	36	3.35	−1.23	0.92	0	7	15	9	6	sw.	B. C. Paris.
Mayfield	Graves	364	16	64.6	+ 7.4	89	23†	35	1†	36	2.27	−2.28	0.82	0	7	20	9	1	sw.	N. E. Douthit.
Owensboro	Daviess	479	28	61.8	+ 6.6	90	24	35	1	40	2.78	−1.32	0.88	0	9	12	9	9	s.	Henry S. Berry.
Paducah (near)§	McCracken	516	8					33	1		3.55		1.10	0	8	21	1	8	sw.	J. W. Lilley
Paducah	McCracken	341	36								2.47	−1.86	1.05	0	7					Frank L. Brown.
Princeton	Caldwell	529	18	63.3	+ 5.2	92	24	36	1	38	3.06	−0.94	0.86	0	10	14	6	10	n.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	344	1								2.69		0.92	0	10					Thos. L. Wetzell.
Russellville	Logan	590	14	62.7	+ 4.7	92	24	29§	1	39§	4.54	−0.30	2.06	0	8	14§	1§	12§	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	24	60.4	+ 7.2	92	24	28	1	45	2.45	−1.55	0.71	0	10	17	6	7	sw.	C. E. Barret.
Bardstown	Nelson	637	28	60.8	+ 5.5	93	24	28	1	46	2.90	−0.97	0.60	0	11	17	2	11	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	560	37	62.4	+ 4.3	96	24	34	1	40	4.56	+0.30	1.45	0	10	13	9	8	s..	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0								3.49		0.91	0	11					J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	8								4.71		1.58	0	12					Virgil M. Whalin.
Burnside	Pulaski	773	34								4.46	+0.26	1.00	0	10					E. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	26								2.72	−0.46	0.76	0	10					Charlie Oliver.
Cloverport	Breckenridge	375	11								2.86	−1.19	0.92	0	10					W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	1	60.8		94	24	30	1	42	3.52		0.69	0	14	15	9	6	ne.	Geo. Henry Ellis.
Eslank	Pulaski	1177	31	60.0	+ 5.7	91§	24	26	1	37§	5.67	+1.77	1.65	0	9	4	13	13	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	33	60.3	+ 5.0	89	24	30	1	38	2.02	−1.71	0.63	0	11	17	4	9	s.	Sidney Wood.
Franklin	Simpson	691	30	63.1	+ 3.9	94	23	30	2	41	3.95	−0.43	1.20	0	9	17	7	6	s.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	14								1.66	−2.36	0.40	0	7					Albert Purvis.
Glasgow	Barren	780	4	62.9		92	24	31	1	36	4.73		0.60	0	12	18	3	9	s.	Dr. Fidella Edwards.
Grant, Dam 38	Boone	506	0								2.06		0.56	0	10					W. L. Patchell.
Greensburg	Green	581	32	59.6	+ 4.4	89	24	33	1	41	4.17	+0.32	0.91	0	12	8	3	19	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	23								2.69	−1.07	0.59	0	11					Miss Lulu Wood.
Irvington	Breckenridge	646	27	61.9	+ 6.4	90	24	34	2	34	2.84	−1.18	0.67	0	9	14	5	11	sw.	W. J. Piggott.
Junction City	Boyle	985	31	59.0	+ 4.1	88	24	28	1	42	6.70	+2.76	1.90	0	13	12	12	6	sw.	William E. Grubbs.
Leitchfield	Grayson	635	29	60.9	+ 5.5	90	24	32	1	37	5.30	+1.22	1.40	0	12	13	13	4	s.	H. H. Willis.
Lexington	Fayette	989	37	59.2	+ 4.9	90	24	33	1	33	2.49	−0.85	0.78	0	12	14	5	11	sw.	U. S. Weather Bureau.
LittleHickman, Lock 8¶	Jessamine	523	14								2.65	−1.20	1.00	0	9					Horace Cimber.
Lockport, Lock 2	Henry	436	15								1.64	−2.66	0.49	0	9					Andrew J. Keenan.
LOUISVILLE	Jefferson	525	52	61.4	+ 5.0	91	24	35	6	38	2.21	−1.86	0.78	0	9	10	10	10	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	15	61.2	+ 5.1	90	24	34	1†	36	2.52	−1.94	0.62	0	10	13	11	6	s.	Wm. I. Hunt.
Munfordville	Hart	570	0								3.44		1.08	0	14					W. F. Nichols.
St. John	Hardin	777	29	60.3	+ 5.9	90	24	29	1	39	5.69	+1.82	1.30	0	13	17	6	7		Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	490	11								3.51	+0.36	0.75	0	8					Ernest M. Searcy.
Scott ¶	Kenton	900	27	58.2	+ 5.1	89	24	30	6	41	2.10	−1.08	0.53	0	10	11	10	9	n.	E. B. Wilson.
Shelbyville	Shelby	825	36	60.0	+ 5.3	90	24	31	1	39	2.90	−0.82	0.64	0	10	14	7	9	n.	Mrs. W. T. Miller.
Taylorsville	Spencer	889	23	59.6	+ 5.1	89	24	29	1	43	2.69	−1.68	0.51	T.	10	15	7	8	n.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	476	7								2.66		0.55	0	8					H. K. Vaughn.
Williamstown	Grant	943	22	59.7	+ 6.9	91	24	30	6	37	2.35	−0.98	0.58	0	10	13	9	8	nw.	Mrs. E. S. Hunnlong.
Woodbury, Lock 4‡	Butler	533	8								4.55		1.80	0	13					J. C. Stinson.
Eastern Division																				
Ashland	Boyd	534	8	61.8		94	24	30	1	46	3.33		1.46	0	10	12	0	18	s.	W. B. Shaw.
Beattyville	Lee	650	21	60.4	+ 5.9	96	24	25	1	50	4.03	−0.12	1.20	0	13	12	6	12	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	23	59.8	+ 4.5	91	24	28	1	37	3.67	−0.02	1.12	0	15	13	7	10	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	15								3.02	−0.24	0.60	0	10					Kelly Walden.
Cynthiana	Harrison	684	7								1.87		0.45	0	9					P. H. Kehoe.
Falmouth	Pendleton	600	36								1.91	−1.56	0.41	0	8	14	3	13	e.	J. N. Oldham.
Farmers	Rowan	668	19	59.3	+ 4.6	98	24	23	1	53	2.03	−2.07	0.60	0	9	15	9	6	sw.	Mrs. Edna Finsley.
Flemingsburg	Fleming		0								2.22		0.65	0	7					C. A. Glascock.
Ford, Lock 10¶	Clark	559	9								2.54	−1.39	0.54	0	10					John A. Waters.
Grayson	Carter	589	0								1.24		0.30	0	9					Col. Frank Powers.
Harlan	Harlan	1197	1																	Dr. G. F. Cramer.
Hazard	Perry		0								2.78		0.57	0	10					Chas. A. Ihrig.
Heidelberg, Lock 14	Lee	629	8								4.15	+1.37	1.40	0	13					S. C. Cole.
Hindman	Knott	1032	0	58.8		95	24	26	1	46	3.27		0.90	0	12	17	5	8	sw.	John S. Lane.
Jenkins	Letcher	1027	0								2.71		0.65	0	10					R. R. Davidson.
Louisa	Lawrence	584	21								2.01	−1.30	0.60	0	7					Russian Copley.
Maysville	Mason	524	28	59.6	+ 5.5	89	23	28	1	46	2.23	−1.20	0.50	0	11	12	7	11	s.	Perry E. Bennett
Middlesboro	Bell	1128	29																	B. H. Perkins.
Mount Sterling	Montgomery	930	35	59.1	+ 5.5	92	24	28	1	36	2.90	−0.93	0.67	0	10	14	3	13	w.	W. R. McKee.
Oliver, Dam 30	Greenup	540	5								2.57		0.72	0	8					M. W. Kinner.
Owenton, Dam 35	Campbell	443	3								2.38		0.52	0	9					Andrew M. Stanforth.
Pikeville	Pike	634	19								3.51	−0.07	0.95	0	9					Robert Repass.
Prestonsburg	Floyd	640	0								2.77		0.85	0	7					F. C. Hall.
Ravenna, Lock 12	Estill	593	7								2.92		0.60	0	8					Walter P. Bush.
Richmond	Madison	926	34	61.0	+ 5.5	95	24	27	1	47	4.24	+0.63	1.22	0	11	14	3	13		I. W. Crooke.
Sergent	Letcher	1235	2	60.7		94	24	25	1	46	3.20		0.70	0	11	18	5	7	ne.	Mary Rockwell.
Valley View, Lock 9	Madison	541	12								3.05	−1.03	0.40	0	12					Sullivan.
Vanceburg, Dam 32	Lewis	525	10								1.50	−1.86	0.72	0						Samuel Johnson.
Wayland	Floyd	700	0																	T. L. Muncaster.
Whitesburg	Letcher	1162	0								3.69		0.72	0	10					G. H. Zimmerman.
Williamsburg	Whitley	920	28	61.7	+ 6.0	96	24	27	1	41	2.75	−1.53	0.78	0	8	18	9	3		Lawrence R. Uhl.
Willow, Lock 13	Lee	611	6								2.63		0.64	0	9					Shelby Angel.
State averages and extremes				61.2		98	24	23	1	53	3.16		2.06	0	10	14	7	9	sw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, † represents two days, etc.

* Also on other dates. ** Received too late to be included in means and summaries. † Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

¶ Post office addresses—Lock 2, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8 Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Earlington; 20th and 22d, St. John; 21st, Scott and Williamstown; 24th, Sergent; 25th, Hindman; 29th, Lexington and Greensburg.

Casualties by lightning: 9th, boy killed near Owensboro, while riding a mule; 14th, two men shocked by lightning near Lagrange; 21st, farmer probably fatally burned while in his barn near Lagrange.

Rivers:—Stages remained low in all streams of the State during the month.

Daily Precipitation for April, 1925

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																														
Beaver Dam	G				.05				.50	.30				1.00		.10		.68	.10	.13						.30	.30	1.20		.15		4.76
Blandville	M		.02	.02					.21	.02				.05		.16	.86									1.30	T	T	T		2.39
Calhoun	G								.27	.01			T.	.27		.26	.43		.30		T				.20	.68	.37	.10	.21		3.01
Earlington	G			.08					.21	T.			.14	.21		.29		.72	.15	T.						.35	T	1.22	.10	.65		3.49
Greenville	G			.08					.19	.42			.02	.31		.23	.48			1.45						.25	.65	.54	.04	.66		4.47
Hopkinsville	C			.08					.86	.35			.02	.20		.05		.67	.06	.09						.01	.07	1.56		.04		4.99
Marion	O								.09	T.				.39		.62	.69		T.							.50	.92		T.	.14		3.35
Mayfield	M		T.	.10					.10							.20	.82									.20	.60		.25			2.37
Owensboro	O			T					.51	.08			T.			.03	T.	.33	T.			.05				.55	T	.88	.09	.20		2.78
Paducah	O			.20						.20				.05		.25	1.10		.20								.80	.75				3.55
Paducah (near) ¶	O			T	T.					T.	T.			.06		.17	.18	.80	.16	T.						.05	1.05					2.47
Princeton	G		T.	T.					.08	.06				.16		.18	.86		.38							.86	.57	.23	T	.68		3.06
Ramsey, Lock No. 2	G									.26				.19		.33		.42	.10	.21							.09	.52	.07	.10		2.19
Russellville	G				.15				2.06					.02	.50	.15		.50								.01		1.15				4.44
Central Division																														
Anchorage	O																													
Bardstown	S								.71	.37				.08			.03		.09		.03					.20	.36	.44		.14		2.45
Bowling Green	G			.35					.37	.36				.05		.07		.25		.33		.04				.55		.60	.03	.25		2.90
Bowling Green, No. 2	G		T	.18					1.45	.03					.40	.15	T.	.50									.38	1.15	.15	.10		4.56
Brandenville, Lock No. 6	G			.30					.78	.02				.03	.32	.14		.45								.52	.03	.91	T.	.10		3.49
Burnside	K		T.	.45					.86	.21				.04	.36	.26		.45		.25						.24	.08	1.58		.14		4.71
Carrollton (Lock No. 1)	K								.82	.27				T.	.08	T.		.22		.72						.75	.02	1.60		.13		4.46
Cloverport	O								.76	.35				.02	.02	.03				.02	.34					.02	.31			.25		2.72
Dix Dam, Burgin	K			.08	T.				.93					.28		.04		.06	T.	.03		.65				.09	T	.45	.32	.24		2.86
Eubank	C			.32					.19	.51	.33	T.		.21		T.	.21	.65	.19	T.	T.					.25	.50	.15	.54	.09	.22	3.52
Frankfort	K									.90	.10							.40	T.	.90							.60	.45	1.65		.25		7.07
Franklin	K									.63	.03			.05	.07			.02		.03		.10			T.	.35	.05	.43		.26		2.02
Gest, Lock No. 3	K			.45					.43	.70				.60		.15	.20									.20	1.20		.02			5.95
Glasgow	G									.34	T.			.04	.40			T.								T	.11	.40	.06	.31		1.66
Giant, Dam 38	O			.35					.60	.60				.55		.20	.60			.04					.09	.60	.90	.35		.45		4.73
Greensburg	G									.44				.07	.01			.07	T.	.37	.08	.76				.04		.12		.30		2.06
High Bridge, Lock No. 7	K			.40					.07	.72				.24		.16		.27		.45		T.				.83	.47	.91	.02	.05		4.17
Irvington	O			.10					.59	.18				.03	.19			.21		.29						.06	.25	.51		.28		2.66
Junction City	K		T.						.45	.67			T.	.33		T.	.19		.10		T.					.16	.32	.23	T.	.35		2.84
Leitchfield	G			.45					.66	1.90				.26			.60		.68	.08					.17	.35	.50	.84	.15	.20		6.50
Lexington ***	K			.15						.85	.65				.35		.10	.40		.20	.20	T.			1	.40	.70	.20	.10	T		5.50
Little Buckman, Lock No. 8	K								.37	.38				.78			.05	.01	.14		T.				.13	.10	.09	.19	.16	.09		2.49
Lockport, Lock No. 2	K					.13					.38	.10				.10			.20		.14					.32		1.00		.20		2.63
LOUISVILLE ***	O								.49	.06			.03	.26			T.		.04		.01				T	T	.43	.10	.22	T		1.64
Do. (Cherokee Park)	O								.69	.11		T.	T.	.03			.09		.14		T					.13	.55	.17	.20	T		2.21
Manfordville	G								.61	.62				.10			.10		.21		T.					.15	*	.46	.10	.17		2.52
St. John	S		.01	.30						.50	.22			.03	.15	.10		.34		.16						.21	.13	1.08	.06	.15		3.44
Salvisa, Lock No 6	K		.47						1.30	.15				.42		.03		.23		.90		.36				.10	.36	1.05	.07	.25		5.69
Scott	L										.75			T.	.12			.10		.50	T				.30		.72	.72		.30		3.51
Shelbyville	S								.48	.16				T.		T.	.15	.25		.53	.02				.05	T.	.16	.12	.18		2.10
Taylorsville	S								.61	.35			T.	.19			.03		.18		.27				.03	.43	.64		.22		2.90
Tyrone, Lock No. 5	K								.37	.36				.27		.05		.42		T.					.29	.06	.51	.15	.21		2.69
Williamstown	L								.50					.45		.13		.55							.45	.10	.46	.02			2.06
Woodbury, Lock No. 4	G		T.	.16					.53	.13		.04		.22	.05			.04	.04		.38							.58		.34		2.35
Eastern Division										.60	.36			T.	.27	.23		.51	.06	.63		T.				.37	.07	1.80	.04	.65		4.53
Ashland	O																													
Beattyville	K								.07	.10			.25																	
Boren	K			.30					.69	.14				.11	.03		.28	.08	.03		1.46	.30			.10	.30	.20	.10	.35		3.33
College Hill, Lock No. 11	K		.45						.46	.52				.20			.20		.25						.45	.10	.60	T.	.25		3.07
Cynthiana	L			.05				.14	.53					.14		.15	.03	.03	.03	.02					.52	.19	.53	.59	.12	.20		3.05
Falmouth	L								.39	.04	.03			.31	.02	T.					.17				.22	T	.45	T	.24		1.87
Farmers	L								.41					.20			.03		.23		.27				.04		.41		.32		1.91
Flemingsburg	L								.20	.09				.25							.06				.05	.48	.10	.25	.60		2.03
Pond, Lock No. 10	K								.21	.29				.65							.08					.30	.30		.20		2.22
Grayson	O			T.					.51	.02			T.	.22			.15	T.	.17	T.					.26	.47	.54	.01	.19		2.84
Harlan	K								.07	.23	.03	.07	.02								.16				.23			.30	.13		1.24
Hazard	K																													
Heidelberg, Lock No. 14	K			.30					.35	.03							.34		.21							.13	.38	.57	.25	.22		2.78
Hindman	K			.36					.73	.09				.06	.03		.15	.05	.01						.10	.85	1.40	.02	.30		4.15
Jenkins	K	.55							.90	.03		T	.04			.02			.04					.25	.55	.05	.68	.17	.10		3.25
Louisa	K			.25						.56	.06						.10			.13					.65	.16	.27	.24	.29		2.71
Maysville	B								.14		.08										.30					.43	.60	.24	.22		2.01
Middlesboro	C								.22	.10	.02			.19				.04	.10		.50	T.			.43	T.	.30	.01	.32		2.23
Mount Sterling	L																													
Oliver, Dam 36	O								.40	.05			.32				.12		.26		.04									
Oneonta Dam 35	O									.15	.20			.37							.72	T.				.22	.63	.67		.28		2.19
Pikeville	B								.41	.09	.08			.22			T.		.26	T	.52					.37	.27	.12	.37		2.57
Prestonsburg	B								.52	.58							.05		.08						.15		.21		.44		2.88
Ravenna, Lock No. 12	K								.20	.85											T				.95	.23	.55	.40	.15		3.51
Richmond	K			.22					.32	.10			T.	T.			.20		.26		.10					.20	.75	.41	.23		1.77
Sergent	K			.16					.46	1.22							.10		.40						.44	T.	.60	T.	.24		2.22
Valley View, Lock No. 9	K	.25							.70	.30	T				.10		.23		.35						.40	.21	.80	.02	.26		4.24
Vanceburg, Dam No. 32	O							.20	.40					.40			.10		.40					.20	.25	.20	.50	.10	.20		3.20
Wayland	B															.25	.38	.10						.20	.40	.30	.20	.10	.12		3.65
Whitesburg	K								.11												.72					.04	.32	.09	.28		1.80
Williamsburg	C			.37	T.				.72	.02																				
Willow, Lock No. 13	K			.78					.48					.02			.10		.52						.52		.65	.14	.16		2.09
				.35					.59	.16				.05			.17	.09							.21	.24	.50	.07	.24		2.75
																										.32	.64		.26		2.63

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

¶ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours.

*Separate dates of falls not recorded. T. Trace, or less than 0.01 inch. * Precipitation included in the next following measurement

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking, (K) Kentucky; (S) Salt; (G) Green (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak

Daily Temperatures for April, 1925.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	64	65	69	70	68	74	81	84	65	70	83	87	86	78	80	69	69	85	85	77	87	89	94	94	92	84	75	69	65	54	..	77.2
	Minimum	29	33	37	38	41	39	37	42	54	51	43	49	53	59	51	48	46	55	67	51	54	63	62	62	60	60	44	49	45	42	..	48.8
Blandville	Maximum	65	71	63	67	67	73	78	81	75	65	81	83	83	81	79	61	72	80	81	85	84	82	86	87	79	83	73	64	57	58	..	74.7
	Minimum	35	39	48	49	40	42	49	53	60	50	47	54	54	56	53	48	51	58	58	51	60	66	64	65	63	64	50	46	42	40	..	51.8
Calhoun	Maximum	60	64	67	67	65	72	78	79	79	62	78	80	80	76	76	67	66	83	83	77	84	85	88	89	89	83	67	62	62	62	..	74.0
	Minimum	33	36	40	41	42	38	38	44	53	53	44	52	51	59	51	48	47	56	66	50	55	64	65	62	61	64	53	49	45	43	..	50.1
Earlington	Maximum	64	70	70	65	72	74	81	83	75	68	82	84	84	81	80	67	70	87	84	80	88	87	92	92	88	88	70	67	64	55	..	76.9
	Minimum	30	33	37	51	38	36	37	43	56	50	42	51	58	60	55	48	46	56	67	51	59	66	67	69	67	68	52	49	46	42	..	50.8
Greenville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	28	33	36	47	40	38	38	43	53	50	42	51	57	57	51	46	46	52	66	49	53	..	63	64	61	60	51	43	43	40	..	*48.3
Hopkinsville	Maximum	66	73	74	64	71	78	83	84	75	63	84	85	86	82	82	70	72	87	89	84	90	89	93	95	89	88	77	66	64	58	..	78.3
	Minimum	32	33	39	50	42	37	41	43	54	49	42	47	51	57	50	47	48	56	66	51	56	61	63	63	60	63	52	48	45	42	..	49.6
Marion	Maximum	58	64	69	69	66	74	76	82	75	70	74	83	81	83	79	76	64	82	84	81	85	81	85	86	88	83	83	65	60	56	..	75.4
	Minimum	35	38	43	49	40	38	51	52	60	52	44	55	62	58	55	48	49	54	66	50	58	66	67	67	66	65	52	43	42	42	..	52.2
Mayfield	Maximum	64	65	71	63	68	75	78	78	76	79	81	83	83	82	83	72	72	83	84	84	87	85	89	89	85	85	75	66	64	59	..	76.9
	Minimum	35	35	38	51	44	42	48	49	59	58	45	56	58	59	58	50	50	56	56	55	60	65	69	63	65	64	52	49	39	43	..	52.3
Owensboro	Maximum	61	69	68	63	70	74	80	80	69	64	78	81	87	75	71	65	66	83	83	75	86	85	89	90	85	80	75	67	64	49	..	74.4
	Minimum	35	36	41	44	45	37	40	45	56	50	45	53	55	52	52	48	47	55	55	43	51	61	62	62	61	63	52	47	41	40	..	49.1
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(near)	Minimum	33	36	45	50	42	43	46	50	60	52	45	50	54	58	54	50	51	58	66	54	60	67	67	67	65	65	52	47	43	43	..	52.4
Princeton	Maximum	64	70	64	59	68	74	79	81	75	73	79	84	85	81	77	65	70	81	86	81	88	85	91	92	84	85	74	66	68	52	..	75.9
	Minimum	36	37	41	52	42	40	41	44	57	50	42	49	51	57	51	48	48	56	66	51	56	66	65	63	60	62	53	48	44	43	..	50.7
Russellville§§	Maximum	61	67	66	55	66	63	79	81	67	..	77	81	83	75	75	60	70	85	83	76	87	86	91	92	87	83	74	62	..	..	..	*75 3
	Minimum	27	34	38	41	42	38	40	42	47	51	..	45	56	59	55	48	47	51	62	53	54	61	65	64	65	61	59	48	48	..	..	*50.1
Central Division.																																	
Anchorage	Maximum	62	70	64	64	65	70	78	79	79	65	74	78	83	77	74	66	68	85	82	68	79	86	91	92	88	81	67	61	54	49	..	73.3
	Minimum	28	31	33	46	35	34	33	39	48	50	48	50	50	57	51	40	48	50	65	54	50	61	57	67	58	62	52	44	42	38	..	47.4
Bardstown	Maximum	59	68	65	59	65	70	80	81	78	67	76	79	81	74	76	68	61	86	82	70	85	86	92	93	86	85	72	60	60	55	..	74.0
	Minimum	28	31	36	46	36	33	34	45	49	52	41	49	51	59	50	45	45	51	60	52	52	60	61	62	61	61	55	46	39	37	..	47.6
Bowling Green	Maximum	61	70	67	64	66	73	81	78	75	66	75	88	83	75	81	70	68	85	83	81	83	88	95	96	89	81	73	61	60	55	..	75.5
	Minimum	34	36	40	50	40	36	41	43	49	48	45	52	51	55	51	48	48	52	65	52	52	58	60	61	63	61	54	47	46	40	..	49.3
Dix Dam	Maximum	58	65	65	62	65	71	78	79	77	67	74	79	85	80	77	74	67	85	84	68	82	84	91	94	87	77	77	58	55	50	..	73.8
	Minimum	30	34	38	46	38	35	36	40	47	52	44	50	50	57	53	36	45	50	65	53	50	59	58	61	64	59	56	45	45	39	..	47.8
Eubank	Maximum	57	66	66	55	64	70	77	76	74	65	73	78	80	71	79	69	64	83	81	76	78	80	87	91	86	..	..	..	58	47	..	*72 3
	Minimum	26	36	33	49	39	35	41	39	48	50	43	47	49	58	51	49	44	53	67	58	52	56	58	59	62	59	58	44	46	36	..	47.8
Frankfort	Maximum	58	65	64	64	64	68	74	76	77	64	74	76	82	80	75	66	64	83	82	78	82	83	87	89	88	78	77	59	59	53	..	72 9
	Minimum	30	34	37	37	37	36	36	38	50	53	42	52	50	59	51	44	44	51	63	52	50	59	59	59	61	61	57	45	45	40	..	47.7
Franklin	Maximum	70	71	71	64	70	76	80	82	75	70	78	84	80	81	81	72	69	82	85	85	88	84	94	92	92	87	75	60	62	61	..	77.2
	Minimum	35	30	37	35	40	37	40	45	53	50	44	54	55	54	56	48	46	54	67	53	55	55	60	66	66	61	48	46	44	37	..	49.0
Glasgow	Maximum	64	70	70	56	66	73	78	80	74	67	76	76	81	82	73	80	66	64	84	82	78	82	82	90	92	87	79	77	77	68	56	75.1
	Minimum	31	34	43	47	40	38	42	46	50	51	45	50	56	56	54	52	49	55	70	52	55	59	65	68	69	60	52	48	43	40	..	50.7
Greensburg	Maximum	60	67	66	61	64	69	75	78	75	69	74	79	82	76	78	67	61	84	82	73	82	86	89	89	83	73	74	59	57	49	..	72 5
	Minimum	33	34	34	48	39	36	34	38	45	50	42	46	46	56	45	48	45	51	61	51	52	57	57	57	59	56	55	46	40	40	..	46.7
Irvington	Maximum	61	68	64	60	63	69	77	79	75	69	76	79	83	77	72	65	66	83	81	72	74	83	88	90	84	79	74	64	59	46	..	72.7
	Minimum	36	34	41	42	37	36	46	45	56	54	45	54	56	58	56	46	49	54	66	51	53	65	66	65	76	65	53	45	45	40	..	51.1
Junction City	Maximum	56	60	64	59	64	69	74	76	75	73	74	76	80	74	75	76	80	83	80	77	78	80	87	88	78	77	75	57	57	55	..	72.5
	Minimum	28	34	31	42	36	31	32	40	46	45	43	46	47	55	46	45	43	44	63	51	47	59	59	59	59	54	53	44	43	37	..	45.6
Leitchfield	Maximum	60	67	64	59	64	70	78	80	72	66	76	80	81	73	76	65	63	83	80	71	81	83	89	90	86	75	72	60	56	46	..	72.2
	Minimum	32	37	41	48	39	36	41	46	55	51	45	50	56	57	54	48	47	53	65	51	58	60	60	62	62	61	51	45	43	40	..	49 6
Lexington	Maximum	54	61	59	60	62	67	74	75	74	62	71	74	80	69	72	63	58	82	80	64	78	79	86	90	77	76	69	56	53	46	..	69.1
	Minimum	33	37	38	43	34	34	47	59	52	50	47	57	62	55	50	45	49	49	58	48	47	58	63	69	64	61	47	42	41	37	..	49.2
Louisville	Maximum	60	66	63	65	62	68	76	76	76	63	75	78	82	75	72	65	62	84	81	68	78	85	89	91	85	79	69	68	52	48	..	71.9
	Minimum	37	41	43	46	36	35	45	49	55	52	49	58	57	59	50	46	51	53	55	49	51	64	65	70	70	63	49	47	40	39	..	50.8
Do (Cherokee Park)	Maximum	60	66	62	64	63	68	75	77	77	63	76	79	83	78	72	66	65	84	83	78	76	83	88	90	89	82	74	61	60	47	..	73 0
	Minimum	34	37	40	45	36	34	39	42	50	51	44	53	53	59	55	44	47	51	70	49	50	62	62	68	64	64	58	46	42	39	..	49.5
St. John	Maximum	59	67	64	59	64	71	75	80	74	70	78	79	82	74	79	76	59	80	77	76	85	85	90	88	90	86	85	82	59	56	49	73.6
	Minimum	29	38	38	46	36	32	39	45	51	51	41	47	51	59	49	45	46	51	68	49	48	59	60	60	59	61	51	43	41	37	..	47.0
Scott	Maximum	56	62	62	66	61	66	75	76	73	63	73	79	82	74	65	63	59	77	81	71	65	80	88	89	83	80	75	60	56	49	..	70.1
	Minimum	26	36	34	42	32	30	34	40	49	50	40	46	47	59	53	37	43	43	63	48	47	56	63	66	66	59	55	45	40	37	..	46.4
Shelbyville	Maximum	61	66	64	65	64	69	77	77	78	80	64	75	78	83	74	74	66	82	85	80	73	81	83	89	90	84	79	74	58	56	53	72.8
	Minimum	31	33	36	44	34	32	38	40	51	50	41	51	55	57	51	41	47	49	63	48	48	58	60	62	63	62	51	41	42	37	..	47.3
Taylorsville	Maximum	58	65	63	62	63	68	75	77	77	65	75	75	82	74	73	65	63	82	81	71	82	83	87	89	88	82	72	58	56	48	..	71.7
	Minimum	29	32	34	45	37	33	32	38	48	52	41	50	48	58	49	43	44	50	63	51	51	60	65	67	66	62	56	46	41	39	..	47.4
Williamstown	Maximum	56	62	61	68	61	67	75	78	80	64	72	75	83	77	69	64	64	79	80	77	73	81	88	91	86	83	77	57	55	52	..	71 8
	Minimum	31	33	36	39	32	30	40	44	49	51	43	43	50	58	57	41	46	52	65	49	48	57	63	65	66	61	51	43	46	38	..	47.6
Eastern Division.																																	
Ashland	Maximum	56	61	63	68	65	67	76	78	81	80	78	77	80	79	78	71	80	79	88	82	83	83	90	94	91	77	76	72	60	60	..	76 1
	Minimum	30	38	33	35	40	35	32	35	45	42	43	51	48	59	51	52	50	49	67	45	69	53	57	66	60	60	64	45	40	39	..	47 6
Beattyville	Maximum	55	66	68	64	68	73	70	80	78	75	75	80	85	80	81	71	69	85	86	82	83	85	92	96	83	74	80	66	58	53	..	75.5
	Minimum	25	37	31	34	42	32	32	30	45	50	45	45	50	55	45	48	40	49	54	55	45	55	57	70	54	55	58	61	44	44	39	45 3
Berea	Maximum	55	62	62	59	65	69	74	75	76	66	72	76	83	76	75	66	61	83	82	73	80	82	86	91	84	73	75	56	55	49	..	71 3
	Minimum	28	31	32	43	39	35	41	40	54	52	41	50	53	57	57	46	43	46	69	50	49	60	63	65	61	56	43	42	37	..	..	48 3
Farmers	Maximum	57	65	69	68	71	71	80	82	83	66	75	80	85	79	80	70	75	85	87	79	83	85	93	98	92	79	79	63	60	56	..	76 3
	Minimum	23	25	27	31	36	27	27	29	60	50	40	48	40	53	45	35	36	46	58	51	45	54	53	51	54	54	50	42	42	37	..	42 3
Harlan	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hindman	Maximum	56	65	65	62	63	70	75	78	78	72	71	78	83	77	81	71	76	84	84	79	80	80	88	95	92	71	81	65	61	51	..	74 4
	Minimum	25	27	29	32	39	31	29	32	42	49	48	43	39	45	45	40	40	49	52	55	52	52	55	57	55	47	56	46	45	37	..	43 2
Maysville	Maximum	57	59	66	68	71	69	77	78	81	65	74	78	85	78	73	71	66	81	83	85	74	82	89	85	82	79	74	70	59	60	..	74 0
	Minimum	28	34	31	39	38	30	31	34	44	50	42	50	43	58	52	36	39	51	61	50	48	59	58	57	59	58	49	45	40	41	..	45 2
Middlesboro	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mount Sterling	Maximum	55	58	59	62	63	67	72	76	79	71	73	75	84	71	75	65	61	83	82	69	80	84	88	92	82	76	76	57	58	54	..	71 6
	Minimum	28	36	41	42	35	32	39	42	52	45	41	49	50	55	46	41	46	47	62	51	46	52	52	62	65	60	55	43	47	37	..	46 6
Richmond	Maximum	61	69	67	66	69	78	80	82	79	68	72	80	83	75	78	72	65	85	83	80	81	82	91	95	87	76	75	60	56	52	..	74 5
	Minimum	27	32	35	41	36	31	48	43	50	49	42	50	52	56	52	43	44	46	65	50	46	57	61	65	64	60	55	43	40	36	..	47 3
Sergent	Maximum	56	63	67	64	64	70	75	77	78	75	73	78	82	81	81	76	78	84	85	83	78	81	88	94	93	79	79	62	61	51	..	76 2
	Minimum	25	27	30	38	46	33	29	33	42	51	49	43	44	47	45	48	41	49	54	46	67	53	69	53	67	58	56	47	44	38	..	45 2
Williamsburg	Maximum	59	63	70	67	67	73	78	80	78	72	74	81	84	80	84	75	77	86	89	82	80	87	92	96	91	81	80	68	61	56	..	77 0
	Minimum	27	29	33	42	49	35	34	36	43	50	49	44	44	53	47	49	43	50	57	55	50	59	55	55	57	59	56	47	45	39	..	46 4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record.

2, 3, 6 Louisville, 2, 6, 7.

357.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
VOL. XXX LOUISVILLE, KY., MAY, 1925. No. 5.

GENERAL SUMMARY.

The month was cool, dry, and decidedly unfavorable for seeding and growth. Frost occurred in the western, central, and northern districts on the 25th and 26th, damaging tender vegetables such as beans, potatoes, and tomatoes, on low lands. In the extreme northern counties corn in creek and river bottoms was so seriously injured that much replanting was required. Precipitation was sufficient in most of the State during the first decade, but little rain occurred after the 11th. Marked deficiencies in precipitation in the northern and western counties, following shortages in preceding months, caused drought conditions to appear in those sections during the second decade. Corn planting advanced slowly because of the fear that the persistent cool weather and dry soil would largely prevent germination. As a rule the later plantings came up to poor stands. Early corn turned yellow and was much retarded in growth. Except in the drier districts planting was finished before the close of the month. Some early tobacco plants were transplanted during the first week, which is ten days or more before setting usually begins, and the work became general by the 15th. Dry weather during the last two weeks practically prevented setting in the hill districts; while the work advanced slowly by machine on the smooth land. Wheat fared better than other crops, and headed earlier than usual. Late wheat stooled generously and improved. Oats, affected by dry weather, showed indications of heading short. Clover bloomed low and seed bluegrass made poor growth, all crops of this character showing the increasing exhaustion of soil moisture. Pastures began to deteriorate during the last week. Cutting of the first crop of alfalfa began during the first week in the Purchase, and continued toward the north and east during the next three weeks. Gardens, although well started made poor progress, suffering worse than other vegetation from the extremes of temperature. Potatoes grew well, but reached a critical condition from lack of moisture. Cotton made slow progress, partly due to the cold and partly because of near-drought conditions in that district. Strawberries began to ripen about ten days earlier than last year, but the cool weather greatly reduced the crop.

TEMPERATURE.

The average temperature for the month, based on reports from 42 stations, was 61.2°, which is 4.4° below normal, and one of the lowest records for May. Minimum temperatures between 35° and 40° were registered at many stations in the periods 1st-8th and 25-27th. Except on a few days, maximum temperatures were moderate or low. Extremes for the State were 98° at Hopkinsville on the 31st, and 28° at Farmers on the 8th.

PRECIPITATION.

The average precipitation for the State, 76 stations reporting, was 2.61 inches, which is 1.36 inches less than normal. At many stations it was less than half of the normal amount. Rains, varying from light to heavy, occurred in the period 9-11th, and scattered showers in the periods 1st-6th and 16-17th. Snow flurries were reported from several central and northern stations on the 25th. In the southern bluegrass region, the upper Cumberland basin, and eastward, amounts for the month ranged between 3.0 and 4.9 inches; but they diminished north and west to little more than 1.0 inch near the Ohio and Mississippi rivers. Extremes for the State were 4.95 inches at Ravenna and 0.77 inch at Earlington. Thunderstorms were reported on the 3d, 4th, 9th, 16th, 17th, 21st, 24th, and 31st.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.99	30.29	26	29.61	24	6202	8.3	40	ne.	21
Cincinnati ..... Ohio	30.00	30.37	27	29.52	24	5025	6.8	29	sw.	3
Evansville ..... Ind.	30.02	30.30	27	29.57	24	7335	9.9	40	sw.	16
Lexington ..... Ky.	30.01	30.35	27	29.52	24	9252	12.4	50	sw.	16
Louisville ..... Ky.	30.02	30.33	27	29.53	24	7295	9.8	42	nw.	4

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	72	44	46	371.2	439.0	85	22	0
Cincinnati ..... Ohio.	71	47	61	273.4	444.0	62	9	4
Evansville ..... Ind.	67	44	46	323.7	441.4	73	13	0
Lexington ..... Ky.	75	60	.....	208.2	441.4	47	4	8
Louisville ..... Ky.	70	46	50	322.8	441.4	73	15	2

COMPARATIVE DATA FOR MAY.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01in. or more rain.
1889	63.6	− 2.0	94	28	4.03	+0.68	..
1890	63.9	− 1.7	93	32	4.22	+0.27	..
1891	62.6	− 3.0	90	29	1.78	−2.17	..
1892	64.6	− 1.0	90	36	5.49	+1.54	..
1893	63.2	− 2.4	96	37	5.59	+1.64	..
1894	64.5	− 1.1	99	32	3.54	−0.41	8
1895	63.9	− 1.7	99	29	3.16	−0.79	11
1896	72.2	+ 6.6	106	42	5.34	+1.39	10
1897	61.4	− 4.2	92	32	3.27	−0.68	10
1898	67.6	+ 2.0	93	31	4.52	+0.57	11
1899	68.8	+ 3.2	94	42	4.79	+0.84	10
1900	66.3	+ 0.7	96	29	3.49	−0.46	10
1901	63.7	− 1.9	97	34	2.65	−1.30	9
1902	70.0	+ 4.4	98	35	3.55	−0.40	8
1903	68.0	+ 2.4	98	29	3.09	−0.86	10
1904	65.0	− 0.6	98	33	3.05	−0.90	11
1905	68.0	+ 2.4	95	38	5.23	+1.28	9
1906	69.5	+ 3.9	95	31	2.54	−1.41	12
1907	61.3	− 4.3	93	30	5.07	+1.12	12
1908	66.7	+ 1.1	96	28	4.34	+0.39	12
1909	64.9	− 1.7	93	27	4.64	+0.69	12
1910	65.1	− 4.5	89	30	4.81	+0.86	5
1911	69.4	+ 3.8	105	29	2.46	−1.49	10
1912	66.7	+ 1.1	97	37	4.53	+0.58	8
1913	66.1	+ 0.5	99	29	2.92	−1.03	5
1914	66.5	+ 0.9	103	32	2.16	−1.79	15
1915	65.2	− 0.4	95	35	6.62	+2.67	9
1916	67.2	+ 1.6	98	33	4.02	+0.07	10
1917	58.9	− 6.7	92	30	3.43	−0.52	8
1918	69.4	+ 3.8	97	28	4.29	+0.34	14
1919	63.9	− 1.7	95	35	6.05	+2.10	11
1920	64.2	− 1.4	94	32	4.08	+0.13	8
1921	65.9	+ 0.3	97	32	2.45	−1.50	10
1922	67.9	+ 2.3	94	35	3.87	−0.08	13
1923	63.9	− 1.7	91	27	3.98	+0.03	14
1924	59.9	− 5.7	92	34	5.04	+1.07	8
1925	61.2	− 4.4	98	28	2.61	−1.36	

JUL 2 1926
UNIVERSITY OF ILLINOIS

Climatological Data for May, 1925.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	21	63.0	−3.3	96	22	36	1	40	0.80	−3.43	0.30	0	6	23	6	2	w.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	43	63.1	−3.5	93	31	35	25	36	1.25	−2.99	0.32	0	8	15	11	5	ne.	E. W. Horr.
Calhoun	McLean	437	21	61.1	−6.0	89	23†	37	1	36	1.09	−2.87	0.32	0	8	12	14	5	nw.	W. A. Taylor.
Carlington	Hopkins	420	35	63.6	−3.6	95	22†	34	1	41	0.77	−3.91	0.24	0	5	21	5	5	nw	Brick Southworth.
Greenville	Muhlenburg	519	8	[a]62.2	.....	[a]94	31	[a]34	1	[a]43	1.60	.....	0.67	0	6	[a]21	[a]9	[a]0	s.	C. R. Lovell.
Hopkinsville	Christian	524	29	63.6	−4.0	98	31	34	1	41	1.55	−2.68	0.72	0	6	19	7	5	s.	W. E. Graves.
Marion	Crittenden	571	27	63.4	−3.7	91	31	35	25	40	1.73	−2.56	0.67	0	5	18	10	8	sw.	B. C. Paris.
Mayfield	Graves	364	16	64.5	−1.9	96	31	39	25	39	1.45	−2.78	0.65	0	3	21	10	0	n.	N. E. Douthit.
Owensboro	Daviess	479	28	61.2	−5.1	93	22	34	1	38	1.49	−2.35	0.72	0	7	14	6	11	s.	Henry S. Berry.
Paducah (near)	McCracken	516	8	64.2	.....	95	22	36	25	39	1.00	.....	0.70	0	3	21	5	5	nw.	J. W. Lilley
Paducah	McCracken	341	36	.....	.....	.....	.....	.....	.....	.....	1.18	−2.63	0.36	0	6	.....	.....	.....	.....	Frank L. Brown.
Paducah	Caldwell	529	18	62.6	−5.0	94	22†	36	25	36	1.40	−3.73	0.48	0	9	11	11	9	n.	Dr. W. L. Cash.
Princeton	McLean	344	1	.....	.....	.....	.....	.....	.....	.....	1.16	.....	0.33	0	7	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2	Logan	590	14	[b]63.2	+1.9	[b]94	22	[b]36	1	[b]45	.....	.....	.....	0	....	[b]16	[b]4	[b]6	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	24	59.7	−4.4	93	22	31	25	40	1.31	−2.53	0.42	0	5	17	8	6	sw.	C. E. Barret.
Bardstown	Nelson	637	28	61.2	−5.8	93	22	35	25	43	2.88	−0.65	0.85	0	9	18	5	8	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	63.4	−4.2	96	22†	36	1	41	3.49	−0.76	1.23	0	8	18	11	2	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	2.71	.....	1.18	0	6	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6	Edmonson	419	8	.....	.....	.....	.....	.....	.....	.....	2.49	.....	1.35	0	7	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	34	.....	.....	.....	.....	.....	.....	.....	3.80	−0.19	1.48	0	7	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	26	.....	.....	.....	.....	.....	.....	.....	2.00	−2.04	0.60	0	9	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	11	.....	.....	.....	.....	.....	.....	.....	1.65	−2.27	0.68	0	7	.....	.....	.....	.....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	1	61.2	.....	93	24	37	8†	43	3.31	.....	0.92	0	10	18	9	4	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	31	60.0	−4.0	87	22†	36	5†	36	4.35	−0.03	1.95	0	6	4	14	13	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	33	60.6	−4.6	90	22	36	25	37	1.84	−1.97	0.75	T.	8	18	4	9	s.	Sidney Wood.
Franklin	Simpson	691	30	63.4	−3.3	96	31	34	1	47	2.50	−1.90	1.00	0	5	23	1	5	sw.	Jos. H. Blewett.
Gest, Lock 3	Henry	449	14	.....	.....	.....	.....	.....	.....	.....	1.97	−1.28	0.55	0	8	.....	.....	.....	.....	Robert Purvis.
Glasgow	Barren	780	4	62.8	.....	94	31	36	1	39	2.70	.....	1.00	0	6	25	1	5	w.	Dr. Fidella Edwards.
Grant, Dam 38	Boone	606	0	.....	.....	.....	.....	.....	.....	.....	0.85	.....	0.21	0	8	.....	.....	.....	.....	W. L. Patchell.
Greensburg	Green	581	32	59.8	−5.0	89	22	35	5	37	3.02	−1.27	1.50	0	11	8	4	19	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	23	.....	.....	.....	.....	.....	.....	.....	3.36	−0.49	1.21	0	9	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	27	61.2	−5.1	89	22†	36	25	36	1.69	−1.72	0.85	T.	4	18	7	6	sw.	W. J. Piggott.
Junction City	Boyle	985	31	60.0	−4.6	92	23	32	27	43	2.90	−1.19	1.05	0	6	16	14	1	w.	William E. Grubbs.
Leitchfield	Grayson	635	29	61.2	−3.9	91	22	36	25	33	1.13	−2.97	0.52	0	4	13	16	2	s.	H. H. Willis.
Lexington	Fayette	989	37	59.8	−4.5	88	31	36	25	40	3.56	+0.04	1.80	T.	8	7	15	9	sw.	U. S. Weather Bureau.
Lairdsville, Lock 8	Jessamine	523	14	.....	.....	.....	.....	.....	.....	.....	4.22	+0.51	1.87	0	6	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	436	15	.....	.....	.....	.....	.....	.....	.....	2.14	−1.29	0.56	0	9	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	52	61.2	−5.4	91	22	35	25	39	1.08	−2.56	0.14	0	7	11	12	8	sw.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	15	60.4	−4.7	89	22†	34	25	30	1.31	−2.39	0.46	0	5	15	12	4	sw.	Wm. J. Hunt.
Munfordville	Hart	570	0	.....	.....	.....	.....	.....	.....	.....	2.88	.....	1.55	0	6	.....	.....	.....	.....	W. F. Nichols.
Mt. John	Hardin	777	29	60.2	−4.1	93	22	34	6	38	2.47	−1.60	0.90	0	8	20	5	6	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	490	11	.....	.....	.....	.....	.....	.....	.....	3.65	+0.44	1.68	0	8	.....	.....	.....	.....	Ernest M. Searcy.
Scott	Kenton	900	27	57.8	−6.0	89	23	33	25	41	1.17	−2.89	0.28	0	10	10	11	10	sw.	E. B. Wilson.
Shelbyville	Shelby	825	36	60.0	−5.0	92	22	32	25	39	1.53	−2.59	0.53	0	10	13	7	11	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	23	59.2	−5.4	91	22	35	8	38	2.63	−0.95	0.96	T.	9	14	8	9	n.	E. D. Bourne.
Tyrone, Lock 5	Anderson	476	7	.....	.....	.....	.....	.....	.....	.....	3.34	.....	1.24	0	8	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	22	59.6	−4.0	91	22†	32	25	42	1.73	−1.83	0.51	0	9	10	12	9	w.	Miss E. S. Hundlong.
Woodbury, Lock 4	Butler	533	8	.....	.....	.....	.....	.....	.....	.....	1.14	.....	0.51	0	6	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	8	60.4	.....	91	23	36	8	39	4.75	.....	2.25	T.	11	17	0	14	sw.	W. B. Shaw.
Beattyville	Lee	650	21	60.6	−3.6	91	22	32	8	42	3.88	−0.28	0.90	0	9	10	12	9	e.	Mrs. Sabine E. Hall.
Berea	Madison	1070	23	59.4	−5.8	87	22	35	26	35	4.54	+0.48	1.35	0	9	10	12	9	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	576	15	.....	.....	.....	.....	.....	.....	.....	4.23	+0.36	1.45	T.	8	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	684	7	.....	.....	.....	.....	.....	.....	.....	2.68	.....	1.08	0	7	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	36	.....	.....	.....	.....	.....	.....	.....	1.58	−2.08	0.52	0	9	19	3	9	e.	J. V. Oldham.
Farmers	Rowan	668	19	58.8	−4.9	93	22	28	8	48	3.27	−0.56	1.51	0	9	6	17	8	e.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	.....	0	.....	.....	.....	.....	.....	.....	.....	3.14	.....	1.02	0	8	.....	.....	.....	.....	C. G. Gascock
Ford, Lock 10	Clark	559	9	.....	.....	.....	.....	.....	.....	.....	3.78	+0.79	1.79	0	9	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	9	.....	.....	.....	.....	.....	.....	.....	3.36	.....	1.57	0	11	.....	.....	.....	.....	Col. Frank Powers.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	....	.....	.....	.....	.....	Mrs. Agnes Farley.
Hazard	Perry	.....	0	.....	.....	.....	.....	.....	.....	.....	2.96	.....	1.51	0	9	.....	.....	.....	.....	Chas A. Burg.
Heidelberg, Lock 14	Lee	629	8	.....	.....	.....	.....	.....	.....	.....	3.42	.....	1.07	0	8	.....	.....	.....	.....	S. A. Cole.
Hindman	Knott	1032	0	59.7	.....	90	22	32	8	40	4.89	.....	1.49	0	8	17	7	7	sw.	John S. Lane.
Jenkins	Letcher	1527	0	.....	.....	.....	.....	.....	.....	.....	3.68	.....	0.96	0	10	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	564	21	.....	.....	.....	.....	.....	.....	.....	3.62	−0.45	1.42	0	7	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	28	60.0	−4.6	91	23	36	8†	39	2.79	−1.26	0.85	0	10	9	15	7	s.	Perry F. Bennett
Middlesboro	Bell	1128	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	....	.....	.....	.....	.....	Matthew Woodson.
Mount Sterling	Montgomery	980	35	59.2	−4.9	89	22†	31	1	30	4.35	+0.06	1.70	0	10	15	2	14	w.	W. R. McKee.
Oliver, Dam 30	Greenup	540	5	.....	.....	.....	.....	.....	.....	.....	3.23	.....	1.87	0	7	.....	.....	.....	.....	M. W. Kinner.
Oneida, Dam 35	Campbell	448	3	.....	.....	.....	.....	.....	.....	.....	1.78	.....	0.41	0	8	.....	.....	.....	.....	Andrew M. Stanforth.
Pineville	Bell	634	19	.....	.....	.....	.....	.....	.....	.....	2.46	−0.91	0.90	0	10	.....	.....	.....	.....	Robert Repass.
Pikeville	Pike	640	0	.....	.....	.....	.....	.....	.....	.....	3.86	.....	0.96	0	10	.....	.....	.....	.....	P. C. Hull.
Prestonsburg	Floyd	593	7	.....	.....	.....	.....	.....	.....	.....	4.55	.....	1.75	0	7	.....	.....	.....	.....	Walter P. Bush.
Ravenna, Lock 12	Estill	926	31	61.0	−4.6	90	22†	35	26	38	4.06	+0.45	1.70	0	7	18	5	8	.....	J. W. Crooke.
Richmond	Madison	1205	2	60.6	.....	90	22	35	8†	45	3.60	.....	1.10	0	9	16	10	5	s.	Mary Rockwell.
Sargent	Letcher	.....	0	.....	.....	.....	.....	.....	.....	.....	2.48	−1.52	0.73	0	8	.....	.....	.....	.....	Thos. Sullivan.
Valley View, Lock 9	Madison	541	12	.....	.....	.....	.....	.....	.....	.....	3.56	−0.33	1.24	0	9	.....	.....	.....	.....	Samuel Johnson.
Vanceburg, Dam 32	Lewis	525	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	....	.....	.....	.....	.....	T. L. Muncaster.
Weeksbury	Floyd	700	0	.....	.....	.....	.....	.....	.....	.....	4.02	.....	1.02	0	14	.....	.....	.....	.....	G. H. Zimmerman.
Whitesburg	Letcher	1162	0	.....	.....	.....	.....	.....	.....	.....	2.06	−2.04	0.77	0	7	23	6	2	.....	Lawrence R. Fhl.
Williamsburg	Whitley	939	28	62.4	−3.4	93	22†	35	26	42	4.31	.....	1.12	0	8	.....	.....	.....	.....	Shelby Angel.
Willow, Lock 13	Lee	611	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	....	.....	.....	.....	.....	.....
State averages and extremes		.....	.....	61.2	.....	98	31	28	8	48	2.61	.....	2.25	T.	8	16	8	7	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. [a]Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oak.
* Also on other dates. †† Received too late to be included in means and summaries T. Precipitation is less than 0.01 inch rain or melted snow.
[c]Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

MISCELLANEOUS.

Hail: light at Berea on the 4th; Louisville, 16th; Hindman, 25th; heavy, near Flemingsburg, 24th.

Lightning losses: May 16.—Two barns burned near Lexington, and three valuable colts lost

Storm damage: May 24.—In Fleming County, in a strip about half a mile wide and three miles long; probably a squall; about 40 barns destroyed; crops and gardens totally destroyed by hail.

Rivers.—Low stages prevailed during the month.

Daily Precipitation for May, 1925

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Western Division																																
Beaver Dam § G	.10			.10					.10	.30	.10						.10															6.80
Blandville M			T.	.28		.10	.15	.04	.32			T.				.65					.09									.22	1.75
Calhoun G	.06	.04	.06					.26	.32	.01						.31	.03		T.		.09	T.		T.				T.			1.80
Earlington § G	T.			.24				.15	.17	.16							.05					T.									1.00
Greenville G	T.		.15					.67	.45	.02						.05	.26	T.													0.27
Hopkinsville C		.12		.21				.09	.72	.38							.03														1.60
Marion O	T.					T.	T.	.50	.42								.03														1.55
Mayfield M				.65		T.	T.	.15	.65		T.			T.			.05				.09	.67									1.75
Owensboro § O	.11	T.		.10	T.			.72	.15	.04				T.		T.	.31					T.		T.							1.45
Paducah (near) ¶ O								.18	.70											.15		T.							.12		1.00
Paducah ‖ O		T.		.25		T.	T.	.25	.36	.10							.08				.14										0.99
Princeton G	.08	.10	T.	.22			.01	.01	.26	.48																					1.18
Ramsey, Lock No. 2 ‖ G	.11			.14					.27	.17	.11						.33				.01			T.							1.40
Russellville ‖									.25	.50	.51						.17					.03									1.16
Central Division																																
Anchorage O			.37	T.					.42	.30						.12															
Bardstown § S	.04	.10		.50	.04				.85	.35	.70						.12							T.				.10			1.31
Bowling Green ‖ G	.10	.03		.40		.03		.10	1.05	1.23							.55														2.88
Bowling Green, No. 2 ‖ G	.03			.40					.08	.31	1.50	.04					.55														3.39
Brownsville, Lock No. 6 ‖ G	.16	.04		.16					.05	.87	1.18						.36														3.49
Burnside ‖	.11	.10	.30						.11	.40	1.35						.27														2.71
Carrollton ‖ (Lock No. 1) K			.01	.15	.11	.04			.11	T.	1.48	.30					1.40														2.49
Cloverport ‖ O	.07	T.		.11	T.				.68	.26	.08					T.	.35				T.			T.							3.80
Dix Dam, Burgin K	.02			.32	.01				.92	.37	.92		T.				.67	T.		T.				T.					T.		2.00
Eubank ‖ C				.30	.10					.50	1.40	.10					1.95								.02			.10			1.65
Frankfort ‖ K		T.		.20	.02	.02			.25	.30	.75						.25								.05			.05	.01		3.31
Franklin G		.30		.16					.40	1.00	.25					.55															4.35
Gest, Lock No. 3 ‖ K	T.	.04		.21	.12	.06			.27	.32	.55						.40							T.					T.		1.84
Glasgow G				.30					.10	1.00	.90					.30	.10														2.50
Grant, Dam 38 ‖ O		.01		T.	.12	.04			.11	.21	.03						.20				T.	T.		.13							1.97
Greensburg G	.12	.08		.22	.05	T.			.08	.31	1.50	.04					.55				.01								.06		2.70
High Bridge, Lock No. 7 ‖ K	.05			.25	.08				.58	.20	1.21	.06					.84								.09						3.02
Irvington O	T.								.85	.32						.33								T.							3.36
Junction City K	.10			.16						1.00	1.05				44									T.			.16				1.69
Lebanon *** K	.07		.11	.02					.25	.52	T.					.01	T.										.15				2.90
Little Rockmen, Lock No. 8 ‖ K	T.	T.		.33	.05				.43	1.15	.36					1.06								.06				T.			3.13
Lockport, Lock No. 2 ‖ K		.07		.55	.16	.05			.95	.12	1.87	T.					.90														3.56
Louisville *** O	T.		.03	.01	T.				.26	.39	.38						.21							T.	.06				T.		4.22
Do. (Cherokee Park) O	T.		.08	T.					.41	.19						.14								.01		T.		.26			2.14
Monticello ‖ G	.18			.15					.46		.25						.32							T.				.20			1.68
St. John § S	.10	.10		.04					.12	.48	1.55						.40														1.34
Salyers, Lock No 6 ‖ K				.40	T.				.90	.30	.46						.36							T.							2.88
Scott K	T.			.20					.52	.32	1.68						.58								.15					.21	2.47
Shelbyville S	.02	.08	.05	.04		.06			.17	.28						.12	.24							.08	.02			.11			3.65
Taylorsville S	.02			.27	.08	.01			.32	.11	.53						.09								.02		T.				1.17
Tyrone, Lock No. 5 ‖ K	.05		.15	.10					.48	.96	.12					T.	.51							.03	T.			.15			1.83
Williamstown § L	.01			.06	.06	.17		.34	.40	1.21					.93									.13							2.63
Woodbury, Lock No. 4 ‖ G	.10	T		.28				T.	.11	.31	.25						.11								.01							3.34
																	.31														1.73
																	.11														1.14
Eastern Division																																
Ashland ‖ O	.10			.10	.30				.10	.26	2.27	.30				.60						.05		.65				.10			4.75
Beattyville ‖ K	.14	T.		.35	.14				.48	.28	.70	.50	T.			.64								.26							3.89
Berea K	.02		T.	.44	.04				.38	.46	1.88					1.21								.66				.02			4.54
Cynthiana ‖ L	.10			.20	.08				.80	.50	1.45	.25				.95									T.						4.33
Falmouth ‖ L		.02		.08	.10				.18	.31	1.08					.26									.10						2.08
Farmers L		.05		.12	.08	.06			.20	.38	.52					.18									.06		T.				1.59
Flemingsburg L	.03			.31	.09	.03			.40	.10	1.51					.38									.40						3.27
Ford, Lock No. 10 ‖ K		.15		.31	.15				.05	.58	1.02					.50										.50					3.14
Grayson O		.02		.24	.13	.05			.37	.11	1.59	.01				.95								.27				T.			3.78
Harlan K									.41	.14	1.57	.09				.28								.37				.66			3.36
Hazard ‖ K	.10	.01		.38		.07			.08	T.	.41	1.51	T.			.12	T.	T.						.24							
Heidelberg, Lock No. 14 ‖ K	T.			.38	.12	T.	T.		.30	.14	.41	1.07				.92								.08							2.96
Hindman K				.37	.03				.37	.10	1.48					1.30							.04	.10							3.42
Jenkins ‖ K				.05	.25	.04			.05	.06	.10	.51	.27			.96								.73							3.80
Louisa ‖ B		.20		.32	.08				.40		1.42					.6								.60							3.08
Maysville ‖ O	.11			.05	.10	.20			.14	.40	.8					.66					T.			.27				.01			3.62
Middlesboro C																															2.79
Mount Sterling § L		.10	.03	.32		.06			.37	.18	1.75	.16				.80								.67							4.35
Oliver, Dam 30 ‖ O	.15			.20	.15					.22	.66					.29								.55							3.23
Oneonta Dam 35 ‖ O	.02				.22	.06			.14	.41	.46					.24								T.				T.	.30		1.78
Pikeville ‖ B	.08	.04		.06	.18				.20	.28	.2	.90				.48								.03							2.46
Prestonsburg ‖ B	.07	.14		.16	.19				.75	.12	.32	.74				.86								.43							3.86
Ravenna, Lock No. 12 ‖ K	T.	T.		.3					.85	.20	1.75	.38				1.27								.15				T.			4.95
Richmond § K				.35	.03				.50	.14	1.76	.14				.71												T.			4.13
Sargent K	.10			.20	.10				.15		.90			.20		1.10															3.60
Valley View, Lock No. 9 ‖ K			.28	.20					.30	.10	.25				.01	.73						.55	.30								2.45
Vanceburg, Dam No. 32 ‖ O				.14	.18	.07			.10	.50	1.24					.72							.28								3.56
Waylandl ‖ B																								.48				.06	T.		
Whitesburg ‖ K	.05	.01		.06	.18	.02			.16	.06	.68	.80	.01	.70		1.02								.76	.02						4.02
Williamsburg O	.24	.05		T.	.21				T.	.16	.90	.57				.77								T.							2.06
Willow, Lock No. 13 ‖ K	.07			.40	.17				.58	.14	1.10	.72				1.12															4.31

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak. § Precipitation measured at 7 a. m. beginning April 16th.

Daily Temperatures for May, 1925.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	65	71	76	73	71	69	67	72	73	68	74	76	78	82	85	80	72	73	78	82	93	91	93	86	63	67	76	78	79	89	94	77.5
	Minimum	36	42	45	54	39	38	43	45	53	61	56	46	42	46	50	56	58	48	44	44	56	61	64	53	36	36	38	56	62	54	54	48.6
Blandville	Maximum	64	68	74	67	66	66	66	62	74	70	67	69	71	78	84	88	78	67	75	80	91	92	89	81	62	66	72	80	86	88	93	75.3
	Minimum	44	40	49	51	44	39	46	46	53	60	55	45	44	53	53	65	56	45	44	46	63	62	67	45	35	39	44	58	60	59	62	50.9
Calhoun	Maximum	58	65	65	64	65	65	63	68	68	68	67	67	70	77	79	81	79	66	70	76	83	87	89	89	61	64	73	72	75	84	89	72.4
	Minimum	37	44	47	52	39	39	45	46	53	61	55	46	43	47	52	62	57	47	48	45	58	61	64	53	38	39	40	57	55	57	56	49.8
Earlington	Maximum	63	70	75	70	68	67	67	68	75	71	72	74	76	83	84	89	80	72	79	83	97	97	92	86	63	69	78	86	80	91	95	77.9
	Minimum	34	43	47	53	38	36	42	45	53	62	54	47	46	46	48	57	58	49	43	42	57	60	70	56	37	39	38	57	54	56	57	49.2
Greenville	Maximum	66	65	71	71	67	66	65	69	74	72	72	72	77	80	84	88	77	70	75	79	90	92	93	92	72	79	...	83	78	88	88	77.2
	Minimum	34	40	44	51	36	36	42	43	51	58	55	45	40	47	49	55	55	49	46	42	54	61	65	49	35	36	38	...	52	50	56	47.1
Hopkinsville	Maximum	61	68	75	70	69	68	66	70	79	66	73	70	75	84	87	91	76	72	80	83	93	91	93	87	68	72	81	87	86	92	96	78.6
	Minimum	34	41	42	52	38	37	43	42	52	59	55	48	41	48	49	59	57	50	45	43	56	62	63	56	36	37	42	52	54	56	57	48.6
Marion	Maximum	56	66	68	72	65	65	63	64	64	75	70	68	72	76	80	86	87	64	70	75	84	88	90	88	75	76	74	78	81	81	91	74.3
	Minimum	40	45	55	53	45	40	47	49	73	61	56	45	46	52	55	65	56	47	45	52	63	66	68	63	35	39	42	59	60	59	65	52.4
Mayfield	Maximum	64	68	75	75	69	67	63	68	78	75	69	71	74	75	84	90	86	68	75	81	93	97	93	88	63	66	75	83	88	89	96	77.5
	Minimum	45	43	50	53	43	40	47	45	54	62	58	49	44	48	50	57	59	50	46	45	59	64	69	49	39	40	40	59	59	60	64	51.5
Owensboro	Maximum	68	63	72	67	64	63	65	68	71	68	68	70	73	79	80	89	76	69	74	75	88	93	90	80	62	67	73	81	76	83	92	73 8
	Minimum	34	40	45	51	37	37	45	43	52	60	55	45	44	46	54	59	55	44	46	44	58	59	64	52	35	40	44	52	55	57	54	48 6
Paducah (near)	Maximum	68	68	72	70	70	68	70	67	77	74	72	73	76	82	88	90	83	70	78	83	94	96	92	84	66	69	75	83	86	90	94	77.2
	Minimum	45	41	48	53	44	40	46	48	54	62	57	46	40	43	50	65	55	51	42	46	62	64	68	52	36	39	42	59	59	61	60	51.1
Princeton	Maximum	59	64	76	70	66	64	62	65	74	69	69	67	68	81	84	89	81	69	76	78	88	94	92	87	67	68	73	83	77	88	94	75.5
	Minimum	39	42	43	53	40	38	44	46	53	61	58	48	42	47	50	59	57	48	47	44	59	62	62	52	36	40	43	57	56	58	58	49.7
Russellville§§	Maximum	..	72	..	..	..	67	62	63	77	64	70	70	71	79	83	88	66	70	79	81	89	94	93	87	67	68	73	83	77	88	94	76.4
	Minimum	36	..	..	..	..	..	41	41	46	54	59	48	42	53	52	55	59	51	46	43	44	64	67	65	38	38	39	54	52	56	54	49.9
Central Division																																	
Anchorage	Maximum	60	66	73	66	63	63	64	71	62	57	69	71	75	80	79	86	69	69	74	77	87	93	91	81	62	64	72	82	74	86	90	73.7
	Minimum	37	39	42	49	35	35	38	36	51	57	55	44	41	44	48	57	54	43	41	43	53	57	68	43	31	34	36	54	54	51	51	45.7
Bardstown	Maximum	62	68	74	71	64	65	65	72	69	67	69	70	77	80	80	88	73	70	75	79	87	90	92	84	61	65	75	83	89	87	91	75.4
	Minimum	38	39	40	50	36	36	41	36	51	59	59	40	41	50	52	56	60	45	46	41	52	57	67	41	35	37	37	54	52	52	53	46.9
Bowling Green	Maximum	66	69	73	70	67	66	65	65	79	74	73	73	78	82	87	88	84	69	76	82	91	90	91	86	65	69	80	86	78	87	90	77 5
	Minimum	36	42	43	51	40	40	42	42	51	58	57	42	44	52	50	56	58	48	47	45	52	62	65	50	38	38	39	57	56	58	57	49.2
Dix Dam	Maximum	57	64	71	66	62	64	62	69	68	67	66	70	78	78	78	79	87	68	74	79	85	91	91	83	61	67	74	81	79	85	90	74.4
	Minimum	40	43	44	52	38	40	42	37	50	57	60	45	44	49	50	54	60	46	47	43	54	58	66	53	39	39	37	52	53	42	52	48.0
Eubank	Maximum	56	61	68	66	62	62	63	64	67	67	63	68	77	78	79	83	81	79	71	76	82	87	85	83	64	65	73	78	79	83	87	72.7
	Minimum	38	40	42	50	36	37	38	36	50	57	58	46	47	48	52	55	59	47	46	40	49	54	66	54	38	43	40	51	48	50	51	47.4
Frankfort	Maximum	59	64	71	69	64	63	62	68	68	66	66	70	76	77	77	86	83	67	72	77	84	91	90	87	58	62	70	79	78	83	87	73 3
	Minimum	41	45	42	53	40	40	40	37	52	57	59	46	42	48	50	52	58	46	45	43	51	58	69	50	36	37	38	53	55	52	52	48.0
Franklin	Maximum	60	61	68	71	72	68	70	65	76	75	71	75	77	79	80	88	86	72	80	82	90	93	90	91	85	72	79	80	84	90	96	77.9
	Minimum	34	42	44	45	43	40	40	39	50	58	56	45	43	50	49	50	58	49	51	44	54	60	69	66	38	40	39	59	54	55	55	49.0
Glasgow	Maximum	59	63	70	67	64	63	61	66	71	70	68	69	75	76	79	84	81	66	71	75	83	88	86	82	61	67	76	80	79	85	88	76.2
	Minimum	37	39	39	48	35	36	39	38	51	58	60	47	42	50	46	53	56	47	48	40	49	54	61	57	39	36	36	53	50	52	50	46 8
Greensburg	Maximum	58	64	71	67	62	63	62	68	69	67	69	70	74	78	78	86	73	66	72	77	85	88	89	82	63	72	77	83	82	87	90	72.8
	Minimum	39	41	46	55	41	38	43	40	52	61	56	46	44	48	54	62	56	44	46	46	58	65	69	46	36	39	41	55	55	55	56	49.5
Irvington	Maximum	60	67	70	68	70	68	70	69	70	70	69	73	77	78	80	85	83	77	74	80	85	88	92	84	61	65	75	80	82	85	86	75.5
	Minimum	38	42	38	39	41	40	38	33	50	55	54	43	44	51	47	50	51	48	43	38	42	48	58	49	38	38	32	59	49	51	48	44.5
Junction City	Maximum	59	64	70	67	64	63	63	64	70	64	66	67	75	77	80	85	80	69	68	73	78	86	91	90	83	69	63	78	81	75	84	73.0
	Minimum	37	42	43	53	40	39	44	45	52	60	57	47	45	50	53	59	58	47	47	45	56	63	63	51	36	37	40	55	56	54	50	49.4
Leitchfield	Maximum	57	62	67	62	57	60	59	66	63	64	63	66	74	74	76	83	65	64	70	74	82	87	86	77	54	60	71	77	74	82	88	69.7
Lexington	Maximum	52	60	67	62	57	60	59	66	63	64	63	66	74	76	78	83	70	63	71	75	84	87	86	78	63	69	77	81	76	84	89	72 4
	Minimum	39	44	46	45	41	41	43	48	50	57	49	44	54	55	60	59	50	44	48	55	60	65	70	57	36	38	43	59	60	59	64	50.1
Louisville	Maximum	57	65	70	64	61	61	63	68	62	66	66	70	74	78	77	86	66	67	73	79	85	91	91	88	70	72	79	82	80	86	91	74.9
	Maximum	40	46	50	50	44	43	46	45	52	58	52	46	48	54	58	60	50	44	47	50	61	66	74	40	35	40	45	57	61	57	58	50.6
Do. (Cherokee Park)	Minimum	57	62	71	68	65	61	61	67	66	66	66	68	71	76	76	85	77	66	75	77	84	84	88	69	34	38	42	54	58	54	54	71.6
	Maximum	41	48	45	52	39	42	43	39	52	57	56	43	44	48	51	56	57	43	44	44	55	61	71	69	34	38	42	54	58	54	54	49 3
St. John	Minimum	68	66	71	69	66	65	64	62	65	68	69	68	75	78	78	86	76	67	73	79	87	91	91	84	59	62	72	81	80	83	90	74.1
	Maximum	35	38	44	41	37	34	40	38	49	50	56	44	45	48	52	56	57	43	44	41	52	56	64	54	34	36	38	52	56	51	55	46.3
Scott	Minimum	56	62	69	65	58	60	62	67	61	65	63	68	74	75	73	80	70	63	71	75	84	87	88	81	63	66	67	76	74	81	86	70.2
	Maximum	40	38	45	42	38	38	36	40	40	51	52	40	41	50	46	54	50	41	40	43	56	57	70	40	33	34	35	47	58	53	51	45.4
Shelbyville	Minimum	61	65	72	66	62	61	63	70	62	66	67	71	70	75	78	86	74	69	75	77	86	92	90	82	62	65	73	82	75	86	90	73.5
	Maximum	36	42	43	48	37	37	40	38	50	57	58	42	43	48	49	57	54	43	43	43	53	59	64	48	32	35	37	54	57	50	54	46.5
Taylorsville	Minimum	58	63	71	65	62	63	62	68	65	65	66	68	73	77	76	86	72	67	73	76	84	91	88	82	61	64	72	80	73	84	89	71.9
	Maximum	39	41	40	51	38	37	39	35	53	54	56	46	46	46	50	62	57	46	43	41	50	62	64	47	36	37	36	53	52	53	51	46.6
Williamstown	Minimum	57	63	70	63	58	60	63	70	63	64	64	71	75	76	77	85	79	68	75	77	81	91	88	84	57	63	71	81	76	85	91	72.1
	Maximum	40	37	44	47	37	37	40	41	49	55	55	40	45	51	47	54	54	41	45	47	57	58	70	42	32	37	38	52	59	53	60	47.2
Eastern Division.																																	
Ashland	Maximum	64	65	66	70	63	63	62	69	69	71	64	70	77	75	74	86	71	66	71	80	85	90	91	87	64	66	70	80	80	84	88	73.2
	Minimum	42	44	45	52	42	40	41	36	50	55	56	45	45	50	48	49	61	46	44	43	51	54	66	48	37	42	38	50	58	53	53	47.7
Beattyville	Maximum	58	65	71	69	65	66	63	68	64	68	65	68	76	80	82	90	77	67	74	77	86	91	89	84	62	64	75	80	77	87	90	74 7
	Minimum	42	38	50	47	40	39	36	32	50	53	59	47	43	47	46	46	47	48	41	47	47	54	58	55	39	37	33	47	49	52	51	46 4
Berea	Maximum	53	62	68	67	60	62	59	65	66	65	63	65	75	74	75	84	76	65	69	76	82	87	87	80	56	58	69	77	77	80	85	70.5
	Minimum	40	43	45	50	39	41	41	36	49	59	58	46	45	47	50	52	58	46	45	41	56	64	69	50	37	37	38	57	56	56	56	50.3
Farmers	Maximum	60	65	68	69	63	64	66	73	69	69	69	73	81	77	80	87	78	72	77	83	86	90	91	84	62	66	75	81	80	87	89	75.3
	Minimum	40	38	35	46	36	37	36	28	46	52	57	41	38	42	49	46	49	40	39	36	45	51	62	47	35	35	31	47	47	47	44	42.2
Harlan	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Hindman	Maximum	53	61	68	65	63	64	61	67	65	77	66	73	74	77	79	86	71	70	74	80	84	90	85	83	73	79	74	80	77	83	88	73.9
	Maximum	41	37	45	45	39	38	36	39	40	52	56	43	48	54	49	57	61	52	45	40	49	52	57	55	38	37	34	44	47	54	54	46.5
Maysville	Maximum	57	61	68	67	62	62	62	70	65	72	72	72	77	77	77	84	81	67	75	79	85	91	91	84	66	69	72	80	80	83	86	73.7
	Minimum	44	37	44	54	42	40	40	36	51	56	57	43	42	44	47	57	62	49	42	39	47	49	57	66	45	38	34	38	49	53	52	46.4
Middlesboro	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mount Sterling	Maximum	66	65	71	71	61	64	61	69	62	67	68	68	73	76	76	86	77	67	72	80	84	89	89	80	60	58	66	73	80	77	82	72.7
	Minimum	31	39	39	50	37	38	40	34	49	50	60	44	45	49	46	54	59	44	47	41	51	54	63	47	37	37	36	48	55	49	50	45 6
Richmond	Maximum	56	62	69	66	62	64	62	70	69	66	68	71	78	78	78	82	87	69	75	80	84	90	85	82	60	62	66	77	76	86	90	74 0
	Minimum	38	40	43	50	40	38	41	38	53	56	57	44	46	49	48	58	58	45	44	44	56	62	66	56	37	35	37	52	57	52	52	47.9
Sergent	Maximum	52	61	68	67	65	64	64	65	65	78	72	71	77	76	78	84	84	75	74	79	83	90	81	88	75	80	72	79	78	82	85	74.9
	Minimum	40	38	36	45	40	38	37	35	44	52	58	52	51	55	46	50	60	54	48	41	50	52	48	56	37	35	32	45	49	53	51	46.4
Williamsburg	Maximum	55	66	71	69	68	68	67	69	67	73	70	78	80	79	83	88	84	72	77	83	87	93	90	86	79	64	77	82	85	86	92	77.1
	Minimum	39	39	38	52	36	40	37	36	50	54	59	56	50	52	55	54	61	53	50	41	49	54	58	58	40	35	36	46	51	57	51	47.7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*, †, ‡, etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville, 5-5-25

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXX LOUISVILLE, KY., JUNE, 1925. No. 6.

GENERAL SUMMARY.

Drought prevailed in the eastern counties during the first three weeks, becoming most severe in the northern bluegrass region. Good showers in the central counties during the first week gave local relief. Heavy rains in the western districts in the second week, extending eastward over the Green River Valley, ended the drought in those sections. Rains finally reached the northeastern counties in the last week. Wheat was least affected by the drought, but ripening was accelerated. Harvest began near the south border about the 12th, followed ten days later by threshing. Yields were somewhat better than anticipated. The growth of corn was much retarded in the eastern counties where the drought persisted longest. While waiting for rain it developed large root systems, hence very rapid growth followed the arrival of sufficient moisture. At the end of the month early corn had been laid by in the western counties, but the drought had prevented it from reaching this stage in the bluegrass region. Tobacco setting was so seriously affected by the dry weather that only about three-fourths of the usual crop was put out. In the hill section of the northeastern counties, only one-third of a crop had been set by the 20th, which is generally regarded as the late limit for setting. With moderate temperature a favorable feature, considerable tobacco was set in that section after the rains in the last week. During the long drought much early tobacco died and could not be replanted, causing decided irregularity in that part of the crop. Machine set plants most successfully withstood the dry weather. The crop as a whole was much behind its usual condition at this time in the season. Both corn and tobacco were well cultivated and remarkably clean. The bluegrass seed crop was the lightest in years; while pastures, clover, alfalfa, and timothy meadows also gave light yields. These crops were affected by a marked shortage in subsoil moisture, that resulted from four consecutive months with deficient precipitation. Early potatoes ranged from poor to fair, averaging about half of a crop. Oats headed so short that most of them had to be mowed. Gardens were the poorest in years, raspberries dried up, blackberries were damaged, and even cherries were affected. Cotton made good progress, the rains reaching that district in time.

TEMPERATURE.

The average temperature for the month, 41 stations reporting, was 77.0°, which is 3.1° above normal. Temperatures averaged continuously above normal, and high maxima were the rule during the first three weeks; but the month closed with a few days of moderately cool weather. Extremes for the State were 105° at Greenville on the 4th, the highest for June since 1914; and 48° at Farmers on the 11th.

PRECIPITATION.

The average precipitation for the State, obtained from the records of 76 stations, was 3.90 inches, which is 0.19 inch less than normal. In the middle and eastern divisions, most of the rain fell from the 22d to 25th. There were also heavy rains in the western counties on the 13th. Showers, extremely local and badly distributed, occurred in the periods 6-9th, 13-19th, and 28-30th. Monthly amounts varied between 1.67 inches at Wayland and 7.58 inches at Munfordville. As usual with such distribution, differences between adjoining counties frequently amounted to 3.0 inches or more. In the Green River basin and the Purchase, there were limited areas that received 5.0 to 7.0 inches. In the extreme northern bluegrass, the mountain region, and the area between the Green and the Cumberland,

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.96	30.27	30	29.76	12	5263	7.3	30	sw.	22
Cincinnati ..... Ohio	30.00	30.34	30	29.66	24	4615	6.4	28	nw.	15
Evansville ..... Ind.	30.00	30.30	30	29.74	24	7020	9.8	44	w.	22
Lexington ..... Ky.	30.02	30.29	30	29.76	24	8552	11.8	39	n.	6
Louisville ..... Ky.	30.01	30.34	30	29.72	24	6650	9.2	48	nw	29

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	76	54	56	383.8	440.1	87	22	0
Cincinnati ..... Ohio.	72	50	52	299.0	446.0	67	15	3
Evansville ..... Ind.	70	48	54	342.0	443.0	77	17	0
Lexington ..... Ky.	76	59	.....	265.8	443.0	60	12	3
Louisville ..... Ky.	70	50	55	340.8	443.0	77	18	2

COMPARATIVE DATA FOR JUNE.

THE LIBRARY OF THE
JUL 7 1925
UNIVERSITY OF ILLINOIS

Year.	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01in. or more rain.
1889	70.6	− 3.1	99	38	5.27	+1.09	..
1890	78.4	+ 4.7	101	51	4.96	+0.78	..
1891	77.1	+ 3.4	97	51	4.48	+0.30	..
1892	75.8	+ 2.1	101	48	4.23	+0.05	..
1893	73.3	− 0.4	97	46	4.64	+0.46	..
1894	75.6	+ 1.9	102	55	2.69	−1.49	..
1895	75.9	+ 2.2	104	47	3.63	−0.55	..
1896	73.5	− 0.2	98	46	4.64	+0.46	10
1897	73.4	− 0.3	101	41	3.61	−0.57	9
1898	76.2	+ 2.5	101	45	3.90	−0.28	9
1899	76.1	+ 2.4	100	44	2.80	−1.38	8
1900	73.9	+ 0.2	100	40	5.14	+1.96	14
1901	75.6	+ 1.9	104	42	3.97	−0.21	9
1902	73.4	− 0.3	101	39	4.75	+0.57	11
1903	75.6	− 5.1	96	37	3.61	−0.57	10
1904	73.2	− 0.5	99	48	3.14	−1.04	11
1905	74.8	+ 1.1	100	45	4.49	+0.31	10
1906	73.9	+ 0.2	99	42	4.53	+0.35	11
1907	70.2	− 3.5	95	41	4.91	+0.73	11
1908	73.4	− 0.3	102	43	4.36	+0.18	7
1909	74.5	+ 0.8	99	43	5.05	+0.85	14
1910	70.0	− 3.7	99	36	5.20	+1.02	10
1911	75.2	+ 1.5	100	45	4.06	−0.12	10
1912	70.2	− 3.5	95	38	3.55	−0.63	10
1913	75.0	+ 1.3	102	38	2.87	−1.31	7
1914	78.3	+ 4.6	103	45	2.30	−1.88	5
1915	71.7	− 2.0	95	42	4.79	+0.61	12
1916	70.1	− 3.6	99	45	4.94	+0.76	11
1917	70.9	− 2.8	100	39	4.30	+0.12	10
1918	73.6	− 0.1	104	37	3.63	−0.55	8
1919	76.7	+ 3.6	103	51	4.60	−0.18	10
1920	71.9	− 1.8	100	44	3.12	−1.66	7
1921	75.8	+ 4.1	100	46	2.90	−1.28	8
1922	73.4	− 1.7	100	44	3.10	−1.08	9
1923	73.8	+ 0.1	99	43	4.59	+0.41	9
1924	74.2	+0.5	99	42	4.39	+0.30	12
1925	77.0	+ 3.1	105	48	3.90	−0.19	7

Climatological Data for June, 1925.

Stations.	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	21	77.9	+3.7	101	4†	55	26	36	5.96	+2.79	1.70	0	7	23	4	3	s.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	43	78.0	+3.0	95	5	55	26	30	5.07	+0.71	4.54	0	3	15	10	5	sw.	E. W. Horr.
Calhoun	McLean	437	21	77.0	+1.6	94	4†	56	26	30	3.23	−0.36	1.31	0	6	9	19	2	sw.	W. A. Taylor.
Darlington	Hopkins	420	35	80.0	+4.3	100	4†	51	26	38	2.77	−0.66	1.37	0	5	16‡	3‡	1	s.	Brick Southworth.
Greenville	Muhlenburg	519	8	k79.4	.....	105k	4	58‡	11	45‡	2.90	.....	1.65	0	5	17	10	3	se.	C. R. Lovell.
Hopkinsville	Christian	524	29	79.6	+4.1	102	5	54	26	42	3.33	−0.95	1.58	0	5	17	10	3	se.	W. E. Graves.
Marion	Crittenden	571	27	78.8	+3.8	96	6†	60	13†	29	3.47	−0.11	2.00	0	3	16	11	3	sw.	B. C. Paris.
Mayfield	Graves	364	16	80.6	+6.2	99	5†	53	26	39	2.07	−0.78	1.40	0	5	21	9	0	sw.	N. E. Douthit.
Owensboro	Daviess	479	28	a77.4	+3.3	98a	5†	55	26	34a	6.38	+2.81	2.95	0	8	21	5	4	s.	Henry S. Berry.
Paducah (near)§	McCracken	516	8	80.2	.....	98	4†	57	26	33	7.20	.....	5.20	0	4	26	2	2	s.	J. W. Lilley
Paducah	McCracken	341	36	.....	.....	.....	.....	.....	.....	.....	5.07	+0.55	2.02	0	5	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	18	78.2	+2.5	96	4†	55	26	32	3.75	+0.03	2.35	0	5	8	18	4	s.	Dr. W. L. Cash.
Ramsey, Lock 2 ‡	McLean	344	1	.....	.....	.....	.....	.....	.....	.....	2.77	.....	1.14	0	7	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	14	78.6	+8.4	98	4†	55	26†	34	1.93	−1.02	0.82	0	5	22	3	5	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	24	a76.1	+4.2	98a	4†	53a	26	37a	2.03	−1.60	1.08	0	8	18a	5a	6a	sw.	C. E. Barret.
Bardstown	Nelson	637	28	77.3	+2.7	99	4†	54	26	34	6.41	+2.07	2.35	0	7	18	1	11	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	78.8	+3.0	101	4	55	26	39	3.17	−0.70	1.10	0	6	22	5	3	s.	J. Frank Thomas.
Bowling Green, No. 2	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	410	8	.....	.....	.....	.....	.....	.....	.....	4.05	.....	1.94	0	6	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	773	34	.....	.....	.....	.....	.....	.....	.....	4.81	+0.69	1.80	0	6	.....	.....	.....	.....	Charlie Oliver.
Carrollton, Lock 1	Carroll	422	26	.....	.....	.....	.....	.....	.....	.....	4.32	+0.73	0.84	0	13	.....	.....	.....	.....	A. Cockerill.
Cloverport	Breckenridge	375	11	.....	.....	.....	.....	.....	.....	.....	4.67	+0.59	1.68	0	8	.....	.....	.....	.....	Geo. Henry Ellis.
Dix Dam, Burgin	Mercer	770	1	76.9	.....	98	4	56	1†	37	5.48	.....	2.53	0	11	19	9	2	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	31	75.0	+3.6	94	4†	53	26	34	4.57	+0.89	1.53	0	10	5	16	9	s.	Sidney Wood.
Frankfort	Franklin	560	33	76.7	+3.1	96	4	56	1	36	3.61	−0.59	1.10	0	8	19	6	5	s.	Jos. H. Blewett.
Franklin	Simpson	691	30	79.6	+4.4	100	6†	54	26	39	3.95	+0.80	2.00	0	6	19	5	6	sw.	Albert Purvis.
Gest, Lock 3	Henry	449	14	.....	.....	.....	.....	.....	.....	.....	5.45	+1.32	1.12	0	12	.....	.....	.....	.....	Dr. Fidella Edwards.
Glasgow	Barren	780	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. L. Patchell.
Grant, Dam 38	Boone	506	0	.....	.....	.....	.....	.....	.....	.....	2.61	.....	0.53	0	11	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	32	74.6	+1.3	94	4	54	11	35	6.02	+1.57	2.90	0	9	6	2	22	e.	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	550	23	.....	.....	.....	.....	.....	.....	.....	4.18	+0.26	1.32	0	6	.....	.....	.....	.....	W. J. Piggott.
Irvington	Breckenridge	646	27	76.8	+3.1	96	6	56	26	32	4.07	+0.08	1.55	0	5	18	4	8	sw.	William B. Grubbs.
Junction City	Boyle	985	31	76.4	+4.3	97	6	49	1	39	7.23	+3.52	2.80	0	12	10	15	5	sw.	H. H. Willis.
Leitchfield	Grayson	635	29	77.0	+3.8	98	5	55	26	32	4.60	+0.87	2.04	0	6	14	14	2	s.	U. S. Weather Bureau.
Lexington	Fayette	989	37	75.8	+3.6	97	4	56	11	30	3.96	−0.03	1.77	0	8	15	8	7	sw.	Horace Canter.
Littlellickman, Lock 8¶	Jessamine	523	14	.....	.....	.....	.....	.....	.....	.....	4.47	+0.30	1.80	0	6	.....	.....	.....	.....	Andrew J. Keenum.
Lockport, Lock 2	Henry	426	15	.....	.....	.....	.....	.....	.....	.....	5.90	+1.36	1.25	0	11	.....	.....	.....	.....	U. S. Weather Bureau.
LOUISVILLE	Jefferson	525	52	77.4	+2.7	96	4	57	11	27	2.10	−2.13	0.89	0	7	9	16	5	s.	Wm. I. Hunt.
Do (Cherokee Park)	Do.	534	15	76.0	+3.0	92	4	55	11	30	2.35	−1.41	1.37	0	9	14	10	6	s.	W. F. Nichols.
Munfordville	Hart	570	0	.....	.....	.....	.....	.....	.....	.....	7.38	.....	3.98	0	9	.....	.....	.....	.....	Sisters of Loretto.
St. John	Hardin	777	29	75.6	+2.9	98	4	53	26	35	6.40	+2.37	2.00	0	6	21	6	0	.....	Ernest M. Searcy.
Salvisa, Lock 6¶	Mercer	490	11	.....	.....	.....	.....	.....	.....	.....	2.80	−1.76	1.00	0	4	.....	.....	.....	.....	E. B. Wilson.
Scuddy¶	Kenton	900	27	75.2	+3.6	95	4†	53	11	35	1.97	−1.71	0.50	0	9	10	10	10	sw.	Mrs. W. T. Miller.
Shelbyville	Shelby	825	36	76.9	+3.4	97	4†	55	11†	34	2.71	−1.75	0.81	0	11	14	4	12	s.	E. D. Bourne.
Taylorsville	Spencer	489	23	75.5	+3.0	97	4	52	10	38	3.14	−1.12	1.35	0	8	20	5	5	sw.	H. K. Vaughn.
Tyrone, Lock 5¶	Anderson	476	7	.....	.....	.....	.....	.....	.....	.....	4.11	.....	1.60	0	7	.....	.....	.....	.....	Mrs. E. S. Humlong.
Williamstown	Grant	943	22	76.1	+4.9	99	4	53	11	33	2.81	−1.03	0.90	0	10	13	15	4	nw.	J. C. Stinson.
Woodbury, Lock 4 ¶	Butler	533	8	.....	.....	.....	.....	.....	.....	.....	2.96	.....	1.12	0	7	.....	.....	.....	.....	
Eastern Division.																				
Ashland	Boyd	534	8	76.4	.....	96	4†	53	1	40	1.82	.....	0.84	0	3	20	0	10	sw.	W. B. Shaw.
Beattyville	Lee	650	21	75.6	+2.9	97	21	53	11	41	2.81	−1.73	0.74	0	9	11	8	11	w.	Mrs. Sabine E. Hall.
Berea	Madison	1070	23	75.6	+2.7	93	4	54	27	32	3.24	−1.31	1.00	0	11	12	11	7	sw.	Frank Montgomery.
Big Hill, Lock 11	Madison	576	15	.....	.....	.....	.....	.....	.....	.....	3.31	−0.85	1.30	0	10	.....	.....	.....	.....	Kelly Walden.
Cattlettsburg	Harrison	684	7	.....	.....	.....	.....	.....	.....	.....	4.99	.....	1.58	0	9	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	36	.....	.....	.....	.....	.....	.....	.....	4.68	+0.46	1.33	0	9	19	6	5	se.	J. V. Oldham.
Farmers	Rowan	668	19	74.1	+2.9	99	4	48	11	46	3.29	−0.98	1.35	0	6	11	15	4	sw.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	.....	0	.....	.....	.....	.....	.....	.....	.....	3.03	.....	0.86	0	7	.....	.....	.....	.....	C. A. Glascock.
Fred, Lock 10¶	Clark	559	9	.....	.....	.....	.....	.....	.....	.....	4.68	+1.10	1.22	0	10	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	0	.....	.....	.....	.....	.....	.....	.....	1.93	.....	0.51	0	9	.....	.....	.....	.....	Col. Frank Powers.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Agnes Farley.
Hazard	Perry	.....	0	.....	.....	.....	.....	.....	.....	.....	3.94	.....	2.23	0	8	.....	.....	.....	.....	Chas. A. Ihrig.
Heidelberg, Lock 14	Lee	629	8	.....	.....	.....	.....	.....	.....	.....	2.77	−1.35	0.78	0	7	.....	.....	.....	.....	S. C. Cole.
Hoskinston	Knott	1032	0	75.0	.....	96	3†	51	11†	42	3.97	.....	1.52	0	5	20	8	2	sw.	John S. Lane.
Jenkins	Letcher	1527	0	.....	.....	.....	.....	.....	.....	.....	4.10	.....	2.28	0	5	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	581	21	.....	.....	.....	.....	.....	.....	.....	3.15	−1.64	2.23	0	2	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	28	75.5	−2.3	98	4	51	11	42	2.51	−1.82	0.72	0	10	10	14	6	s.	Perry E. Bennett.
Middlesboro	Bell	1128	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Matthew Woodson.
Mount Sterling	Montgomery	960	35	75.2	+2.8	95	3	50	11	38	4.40	−0.73	1.16	0	8	15	10	5	w.	W. R. McKee.
Olympian Dam 20	Greenup	540	5	.....	.....	.....	.....	.....	.....	.....	3.51	.....	0.73	0	8	.....	.....	.....	.....	M. W. Kinner.
Ophelia, Dam 35	Campbell	443	3	.....	.....	.....	.....	.....	.....	.....	1.90	.....	0.48	0	8	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	19	.....	.....	.....	.....	.....	.....	.....	2.94	−1.45	0.95	0	5	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	0	.....	.....	.....	.....	.....	.....	.....	2.40	.....	1.08	0	4	.....	.....	.....	.....	F. C. Hall.
Ravenna, Lock 12	Estill	595	7	.....	.....	.....	.....	.....	.....	.....	4.57	.....	1.27	0	8	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	34	77.0	+3.5	100	4	54	11	33	2.64	−1.31	0.70	0	8	20	2	8	.....	J. W. Crooke.
Sergent	Letcher	1235	2	75.9	.....	99	13	53	11	45	4.04	.....	2.07	0	6	14	15	1	sw.	Mary Rockwell.
Valley View, Lock 9	Madison	541	12	.....	.....	.....	.....	.....	.....	.....	4.92	+0.48	1.73	0	10	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	10	.....	.....	.....	.....	.....	.....	.....	2.44	−0.92	0.80	0	6	.....	.....	.....	.....	Samuel Johnson.
Wayland	Floyd	700	0	.....	.....	.....	.....	.....	.....	.....	1.67	.....	0.66	0	5	.....	.....	.....	.....	B. F. Mason.
Whitesburg	Letcher	1162	0	.....	.....	.....	.....	.....	.....	.....	6.35	.....	3.00	0	12	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	939	28	77.0	+3.2	96	3†	54	11	38	4.23	−0.19	1.44	0	5	21	7	2	.....	Lawrence R. Uhl.
Willow, Lock 13	Lee	611	6	.....	.....	.....	.....	.....	.....	.....	4.99	.....	2.90	0	6	.....	.....	.....	.....	Shelby Angel.
State averages and extremes		.....	.....	77.0	.....	105	4	48	11	46	3.90	.....	5.20	0	7	16	8	6	sw.	

All temperature data are taken from self-registering thermometers.
Precipitation from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published in determining section or division means.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published in determining section or division means. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference letters, a, k, etc., appearing in the table indicate number of days missing; for example, b represents two days, etc.
*Also on other dates. †Received too late to be included in means and summaries. ‡Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.
¶Post-office addresses: —Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

amounts ranged between 2.0 and 4.0 inches. Thunderstorms were reported on most days from the 6th to 29th, frequently attended by excessive downpours but with little damage. At Blandville 4.43 inches occurred on the 13th in 6 hours and 10 minutes

MISCELLANEOUS.

Hail: light at Lexington, 6th; moderate to heavy near Lexington, 24th; heavy near Covington, 29th, glass in greenhouses broken.

Rivers.—Low stages prevailed during the month.

Daily Precipitation for June, 1925

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam § ..... G							1.10						.70	.70		1.70		.40				.35		1.60								
Brandville ..... M						T.							4.54																			
Calhoun ..... G					T.		.63	.05					.62	T		.04						.08	.35					T		T		
Farmington§ ..... G							.02		.35				T	1.37				.12					.58	1.21			T		T			
Greenville C																							.18	.70								
Hopkinsville§ C						.08			.35				1.65			.28		.02		.26			.77									
Marion ..... O							T						T	1.68									1.13	.10								
Mayfield ..... M													2.00										.62	.86			T		T			
Owensboro § ..... O						.20							1.40					.10				T	.35	.02					T			
Paducah (near) ¶ ..... O						1.10		.43		T			1.25	.75			T	.05					.05	.90	.55				.06			
Paducah ..... O													5.20	T									.55	.15								
Princeton ..... G					T.	.20		T.					2.60	2.02				.20					.15	.70	T					T		
Ramsey, Lock No. 2 ..... G							.38		.07				2.38			T.		T.			T.		.66	.53	.01				T			
Russellville ..... G									.11				.65	.53			.06			.07			.81	1.14								
Central Division														.82									.81	.12								
Anchorage ..... O						.09	.05	T.					.16			.12		T.					.15	1.08	.16				.22			
Bardstown§ ..... S							2.35		.30					.77			.32						.12	1.22	1.33							
Bowling Green ..... G									.30				.90	1.10		.05							.70	.12								
Bowling Green, No. 2 ..... G																																
Brownsville, Lock No. 6 ..... G																																
Burnside C									.80				1.04			.14		.23					.17	.77								
Carrollton ¶ (Lock No. 1) ..... K						.01	.17		.17				.06	T.		.78		.26					T.	1.70	1.86							
Cloverport ..... O							.56						.14	.02	.07	.54	.55						.61	.84	.65				.48	.07		
Dix Dam, Burgin ..... K						2.53	.06	.64	.02				3.8		T.	1.68	.02	T.					.08	1.38	.56				.01	T.		
Eubank C							.25		.02			.62	.33			.02							.20	.81	.23	T.	.02	T.	T			
Frankfort ..... K							1.10		.20				.45	.10		.48	.10	1.05					.15	1.53	.84							
Franklin ..... G													.90			T		.36					.14	.95	.52			T	.04	T		
Gest, Lock No. 3 ..... K							1.10		.26				.50	2.00			.05						.75	.25	.40							
Glasgow ..... G													.30		.16	.15	T	.63					.32	1.12	.63			.38	.37	.03		
Grant, Dam 38 ..... O							.26		.26					.08	T.	.22	.53	.03														
Greensburg§ ..... G							T.		.51				1.27	.12		.54		.11					.34	.15	.24			.65	.45	T		
High Bridge, Lock No. 7 ..... K							1.32		.33				.85										.05	2.90	.11			.41				
Irvington ..... O						1.09		T.					.68			.67							.20	.47	1.01							
Junction City ..... K						.02	.61	2.80	.04				.45	.31	T.	.17	.08						T.	1.55	.08			T.	T			
Leitchfield ..... G						.60	T.	.40					.95	T.		.38							1.00	1.47	.26	T.	.02					
Lexington *** ..... K				T.	.80		10	T.					.18	.51			T.						.23	2.04								
Little Hickman, Lock No. 8 ..... K							1.80		.44					.75			T.						.70	1.60		T.	.06	.01				
Lockport, Lock No. 2 ..... K							1.04		.67				.23		T.	.39	T.	.69		T.			.18	.84	.76			T				
LOUISVILLE*** ..... O						.11		.01					.22		.38	T.				T.			.26	1.25	.91			.10	.33	.03		
Do. (Cherokee Park) ..... O							.14	.03					.27			.22		.03					.34	.62			T.	.89				
Mandortville ..... G							.02		.42				1.77	.98		.15		.16					.05	1.37	.04			.20				
St. Johns§ ..... S							1.20						.70										.67	3.58	.03							
Salvisa, Lock No 6 ..... K							T.	T.					.95			.50							.50	1.50	2.00							
Scott L						.12		.05					.02		T.	.10	.26						.29	.40								
Shelbyville§ ..... S							.49		.09					.29		.04	.03						.14	.81	.61			.10	.08	.03		
Taylorsville ..... S						.28		.25					.40			.13		T.					.16	1.35	.56				.01			
Tarrow, Lock No. 5 ..... K						.20		.18					1.28										.11	1.60	.65				.09			
Williamstown§ L							.90							.03	.05	.40	.02			.23			.34	.40	.20			.82	.15			
Woodbury, Lock No. 4 ..... G							T	T.	.16					1.12		.80							.10	.80	.25							
Eastern Division																																
Ashland ..... O							.84																.28	.70								
Beattyville ..... K							.58		.18				.15	.52		.02	T.	.06					.18	.74	.38							
Berea ..... K					.31	.41	.11						.15	.03		.03		.04					.67	1.00	.37			.12				
College Hill, Lock No. 11 ..... K				T.		.45	T.	.10						.10	.15	.08	T.		.40				.30	.35	1.30			.08	T.			
Cynthiana L						1.58								.16		.04		.65					.85	.95	.38			.32	.06			
Falmouth L							.29										.46	1.33	.13				.35	.73	.16			1.60	.18			
Farmers L							.64						.30		T.								.20	1.85	.90			.36	T.			
Flemingsburg L							.86										.50						.20	1.50	2.00							
Ford, Lock No. 10 ..... K	T.		T.	.14	.50		.56												.40				.20	.46	.56			.42	.13			
Grayson ..... O					.61								.31					.16					.21	.46	1.22			1.62	.16			
Harlan ..... K													.43			.06	.29	.07					.20	.10	.17		.10					
Hazard ..... K							.02	T.	.02					.02		T.	.01						.67	1.53	2.23	.04						
Heidelberg, Lock No. 14 ..... K							.78	.32	.49					.26	T.	T.							.13	.44	.35							
Hindman ..... K																							.22	1.33	1.52							
Jenkins ..... K																.20	T.	.69					.35	1.02	2.28							
Louisa ..... B							.92										.32	.13							2.23							
Maysville ..... K							.30									.11	.14		.18				.37	.72	.19			.33	.13	.04		
Middlesboro C						.52	.71		.12				T.										.65	1.02	1.16			.08	.14	T.		
Mount Sterling § L							.73		.55							.23	.08	.34	.48						.47			.13				
Oliver, Dam 30 ..... O					T.	T.			.10				T.			.38	.25	T.					.22	.48	.11				.43	.02		
Owensboro ..... O																	.62	.10	.65					.62	.95							
Prestonsburg ..... B																T.	T.	.51	.19				T.	.62	1.68							
Ravenna, Lock No. 12 ..... K				T.		.64	.12	1.10					T.	T.	.33	T.		.20	.10				T.	.81	1.27							
Richmond§ ..... K				.06		.30		.42					.30			.01	T.	T.					.20	.65	.70							
Sergent ..... K					.20	.10										.17				.02			.48	1.65	2.07							
Valley View, Lock No. 9 ..... K				.02	1.73		.97					.30	.10								.18		.20	1.24	.25		.10					
Vanceburg, Dam No. 32 ..... O																.22	.29						.80	.26				.69				
Wayland ..... B																.86	.39	T.					.01	.50	T.							
Whitesburg ..... K				.01			.50	.02				.16	T.			.40	.66	T.					.20	1.75	3.00	.02			.04			
Williamsburg C							T.	.51								.18		.24	.37	.02			.92	.62								
Willow, Lock No. 13 ..... K						2.90	.10	.13								.92																

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

§ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

§ Precipitation measured at 7 a. m. beginning April 16th.

Daily Temperatures for June, 1925.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	96	94	96	101	100	101	87	92	94	86	91	94	85	96	97	95	96	95	89	94	94	96	81	89	84	86	90	95	86	87	..	92.2
	Minimum	64	64	66	68	64	65	64	67	54	60	56	59	66	62	66	70	69	69	62	60	61	62	62	70	65	55	59	62	69	62	..	63.6
Blandville	Maximum	99	88	91	93	95	93	89	88	92	87	94	91	81	88	89	89	91	89	88	92	93	92	82	88	81	88	87	91	83	82	..	88.6
	Minimum	67	69	68	71	66	67	64	67	68	64	64	71	63	70	73	72	72	72	69	68	68	71	69	70	64	55	63	66	71	64	..	67.5
Calhoun	Maximum	88	88	90	94	94	92	85	85	90	90	88	90	90	88	92	92	92	92	85	90	90	89	88	86	86	82	82	87	87	82	..	88.5
	Minimum	64	64	68	64	64	67	67	65	64	61	60	66	67	68	69	74	71	74	66	66	61	63	69	71	65	56	60	63	69	63	..	65.6
Earlington	Maximum	93	91	95	100	100	98	94	92	95	90	96	95	90	95	98	96	95	93	92	97	98	98	87	90	82	87	90	95	86	89	..	93.2
	Minimum	68	71	74	69	64	65	68	70	66	64	61	72	67	68	71	73	72	73	68	65	60	62	71	72	67	51	59	61	71	62	..	66.8
Greenville	Maximum	94	93	93	105	98	95	90	91	93	93	94	97	88	98	94	93	92	93	88	..	..	..	..	..	..	..	..	..	..	..	..	*93.8
	Minimum	61	67	71	60	62	63	65	65	62	61	58	67	65	64	68	71	67	71	67	63	..	..	..	..	..	..	..	..	..	..	..	*64.4
Hopkinsville	Maximum	95	93	96	101	102	96	95	94	97	91	101	95	88	94	96	96	98	96	92	97	100	99	89	91	85	86	91	95	88	91	..	94.3
	Minimum	64	66	68	61	63	64	66	65	64	62	59	66	71	67	68	72	69	72	68	64	60	64	67	72	65	54	57	60	69	61	..	65.0
Marion	Maximum	89	88	91	93	95	96	95	88	90	92	88	90	85	94	89	91	91	90	89	89	92	96	91	85	86	78	84	91	91	84	..	89.7
	Minimum	70	70	72	72	70	70	68	68	67	65	61	62	60	65	74	74	73	74	68	70	70	72	69	70	64	60	66	66	68	62	..	68.0
Mayfield	Maximum	92	93	95	97	99	98	93	97	95	89	96	94	93	91	94	95	95	93	90	94	99	97	84	88	88	92	96	98	93	88	..	93.5
	Minimum	69	70	73	71	65	69	65	69	68	63	63	65	68	71	74	73	75	74	70	68	65	65	71	69	69	53	66	68	72	64	..	67.7
Owensboro	Maximum	92	90	93	96	98	98	84	87	91	86	90	93	87	90	92	90	92	87	87	93	94	93	..	88	83	80	85	87	88	84	..	*89.6
	Minimum	64	64	67	64	64	66	66	66	62	62	60	67	68	67	69	73	69	71	67	63	63	63	63	68	70	64	55	60	64	60	..	65.1
Paducah (near)	Maximum	93	93	95	98	98	97	91	90	95	87	95	93	85	92	95	93	95	90	92	95	95	95	82	89	86	85	90	95	86	88	..	91.8
	Minimum	69	71	74	69	66	70	65	70	65	63	62	73	67	70	74	74	75	74	69	69	67	71	71	72	65	57	65	64	70	68	..	68.5
Princeton	Maximum	91	87	94	96	95	92	92	91	84	86	94	91	84	91	94	92	96	90	90	93	96	94	86	89	82	85	87	90	85	87	..	90.0
	Minimum	64	67	70	64	64	66	67	67	64	63	62	68	66	67	70	73	71	73	69	66	62	66	69	72	65	55	61	63	70	64	..	66.3
Russellville§§	Maximum	94	92	96	98	98	95	92	91	84	86	94	91	84	91	94	92	95	95	89	94	96	93	81	89	81	84	89	94	87	85	..	91.4
	Minimum	64	66	68	67	66	65	66	66	65	62	59	64	72	68	70	72	69	72	70	65	68	65	69	70	67	55	55	58	70	61	..	65.8
Central Division.																																	
Anchorage	Maximum	93	92	94	98	93	98	89	89	92	87	86	..	85	92	96	90	95	91	90	95	96	94	78	87	77	81	85	86	77	78	..	*89.1
	Minimum	57	67	68	63	68	64	63	66	61	56	56	..	70	68	70	69	67	70	68	61	59	61	68	70	68	53	58	59	65	56	..	*63.1
Bardstown	Maximum	95	93	96	99	97	99	90	88	91	86	86	95	85	93	93	90	92	90	88	90	95	93	80	88	78	82	87	89	82	95	..	89.8
	Minimum	60	65	65	65	67	66	63	65	62	60	56	62	73	66	68	70	72	73	65	62	62	65	61	69	70	66	54	57	59	67	62	64.8
Bowling Green	Maximum	93	94	97	101	100	94	93	92	97	88	97	96	88	95	93	94	97	95	92	96	93	99	91	91	84	86	91	94	84	88	..	93.1
	Minimum	61	64	64	64	66	66	64	65	64	62	58	64	71	67	67	67	70	67	72	69	62	60	64	68	70	64	55	57	66	67	62	64.6
Dix Dam	Maximum	93	93	95	98	97	96	88	86	89	87	84	91	89	90	92	90	92	92	87	93	94	93	88	86	82	81	82	88	86	85	..	89.6
	Minimum	66	67	64	65	68	65	62	66	64	60	58	59	68	68	68	69	67	72	68	62	63	62	68	70	66	57	56	59	68	62	..	64.2
Eubank	Maximum	90	91	91	94	94	89	89	84	90	87	84	91	84	84	89	89	90	90	87	89	92	89	87	84	81	79	83	86	87	83	..	87.6
	Minimum	56	62	60	66	67	64	60	60	61	57	59	58	64	67	68	67	65	69	65	55	58	61	67	68	66	53	54	57	65	60	..	62.3
Frankfort	Maximum	92	92	93	96	93	94	86	91	90	89	84	90	89	88	93	91	93	90	84	90	91	92	85	84	83	80	87	86	84	82	..	88.7
	Minimum	56	64	62	65	66	66	64	66	66	61	58	60	71	67	70	72	70	73	65	62	63	64	69	70	66	58	59	61	66	62	..	64.7
Franklin	Maximum	93	94	96	94	97	100	90	94	91	94	96	96	92	94	93	97	98	96	94	92	98	110	95	100	89	88	89	94	96	95	..	94.5
	Minimum	64	65	68	65	68	67	63	65	64	59	60	68	72	69	70	70	68	72	65	63	61	61	65	69	65	54	55	59	63	61	..	64.6
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Greensburg	Maximum	90	90	92	94	93	90	87	89	88	85	82	92	86	85	89	87	90	89	84	89	89	90	82	85	83	78	83	87	83	83	..	87.1
	Minimum	58	63	60	62	63	62	61	61	61	58	54	58	68	68	68	68	68	67	65	69	67	58	58	60	68	68	66	55	55	57	65	60	..	62.0
Irvington	Maximum	91	91	92	95	92	96	83	86	85	83	83	90	85	80	91	88	90	87	87	91	91	90	83	86	85	79	84	85	81	81	..	87.4
	Minimum	66	67	71	68	67	64	66	67	66	61	59	70	71	68	72	71	70	71	66	63	69	68	69	70	64	56	60	64	67	63	..	66.8
Junction City	Maximum	88	90	94	96	96	97	86	87	89	90	89	86	85	89	92	89	90	90	89	91	96	92	94	89	82	85	86	87	86	90	..	89.9
	Minimum	49	58	63	63	63	64	59	61	62	70	61	64	66	66	66	67	64	70	71	75	68	56	57	55	65	60	56	52	65	67	..	62.8
Leitchfield	Maximum	91	88	92	95	98	75	86	88	90	83	88	90	83	91	92	89	91	90	86	91	93	92	82	86	81	80	85	89	91	83	..	88.3
	Minimum	64	64	68	68	68	66	64	67	67	65	60	69	67	69	70	70	69	73	67	64	61	65	61	69	65	55	59	63	70	63	..	65.7
Lexington	Maximum	89	89	92	97	93	94	83	85	86	79	82	89	83	87	88	87	87	87	81	87	90	88	76	83	74	77	81	82	76	79	..	85.0
	Minimum	71	71	71	72	75	64	64	68	66	62	56	63	66	68	72	71	69	72	66	67	68	73	66	69	60	57	64	63	66	62	..	66.7
Louisville	Maximum	91	89	91	96	92	94	86	85	90	84	84	91	80	91	93	86	91	90	87	92	92	90	76	85	77	78	85	84	76	80	..	86.9
	Minimum	66	70	70	70	71	68	66	70	68	65	57	66	70	69	74	69	70	75	68	72	71	72	71	69	64	59	63	67	65	59	..	67.8
Do. (Cherokee Park)	Maximum	89	89	91	92	91	89	83	84	87	86	83	90	89	87	91	89	90	89	85	90	91	90	86	85	84	78	83	82	80	79	..	86.7
	Minimum	59	69	68	65	67	67	64	67	65	63	55	60	73	67	70	69	69	73	66	64	65	63	70	70	64	58	61	61	66	58	..	65.2
St. John	Maximum	93	89	93	98	94	97	86	89	91	84	85	91	88	93	92	90	92	90	86	91	94	90	82	84	80	78	83	85	82	83	..	88.7
	Minimum	58	63	61	63	68	63	61	62	60	59	58	64	67	66	67	67	66	70	63	67	63	61	69	67	65	54	56	58	66	59	..	62.5
Scott	Maximum	91	90	91	95	95	89	84	86	89	79	79	90	84	90	94	93	95	88	86	82	89	90	89	79	82	80	78	83	85	78	77	85.9
	Minimum	56	68	69	69	67	66	62	66	61	53	58	71	67	71	70	66	73	63	64	65	63	65	67	64	56	64	61	63	58	64	..	64.4
Shelbyville	Maximum	94	93	96	97	94	97	87	89	91	86	86	93	86	90	96	90	95	50	88	95	96	94	86	85	83	82	86	86	79	83	..	89.8
	Minimum	61	65	65	67	67	68	62	66	63	60	55	61	69	67	69	70	67	71	64	63	62	64	67	68	63	55	59	60	65	58	..	64.0
Taylorsville	Maximum	91	93	95	97	92	91	88	88	91	83	83	92	83	89	94	84	94	91	87	93	94	93	86	80	86	77	84	85	86	79	..	88.1
	Minimum	55	64	59	59	62	61	61	62	62	52	55	59	70	66	70	69	67	72	65	61	58	59	69	69	70	66	56	58	59	67	59	62.9
Williamstown	Maximum	94	93	95	98	97	94	86	86	88	86	83	93	89	94	89	87	84	90	89	87	84	90	82	84	83	80	83	85	76	80	..	87.7
	Minimum	63	69	67	68	72	66	63	61	65	61	53	59	70	67	70	71	67	72	62	64	63	67	65	68	64	55	63	61	63	57	..	64.5
Eastern Division.																																	
Ashland	Maximum	93	93	95	96	95	96	88	89	90	88	79	87	90	90	91	84	90	92	84	91	92	92	82	81	82	81	87	85	87	86	..	88.9
	Minimum	53	65	64	64	69	65	68	64	59	61	56	55	63	70	70	72	71	66	65	60	63	65	65	70	69	57	58	61	68	66	..	63.9
Beattyville	Maximum	93	93	95	96	95	91	86	90	93	87	86	90	93	94	89	95	94	89	95	97	93	81	85	83	83	87	88	85	80	89	..	89.6
	Minimum	54	58	65	60	67	67	61	60	65	58	53	54	54	67	65	66	68	68	67	55	56	76	67	68	68	55	56	57	64	64	..	61.5
Berea	Maximum	89	90	91	93	92	92	83	86	86	82	81	89	85	85	89	86	92	90	84	90	92	90	83	84	81	78	83	86	83	81	..	86.5
	Minimum	60	71	71	68	67	67	61	66	65	64	58	62	68	68	70	71	65	74	67	63	60	61	67	69	63	55	54	62	63	62	..	64.6
Farmers	Maximum	95	94	95	99	97	94	89	90	92	87	83	91	87	91	95	94	96	96	90	96	97	97	80	83	80	81	87	87	84	85	..	90.4
	Minimum	49	57	56	58	60	61	61	57	60	52	48	49	53	65	63	63	66	68	60	52	54	52	65	66	64	51	52	55	59	58	..	57.8
Harlan	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Hindman	Maximum	94	94	96	96	96	90	89	90	90	95	88	92	90	92	92	90	93	92	88	90	92	94	81	87	83	81	87	88	88	81	..	89.6
	Minimum	52	62	58	60	65	63	60	61	64	55	51	52	51	63	64	66	67	65	58	55	56	57	77	80	84	81	80	86	85	84	..	60.5
Maysville	Maximum	96	94	94	98	95	94	87	89	91	81	80	92	87	92	96	89	92	89	84	91	93	92	80	84	81	80	86	85	84	81	..	88.6
	Minimum	53	63	61	62	66	66	62	62	63	60	51	54	61	66	67	72	69	73	62	59	60	59	66	69	66	58	59	58	65	59	..	62.4
Middlesboro	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mount Sterling	Maximum	95	93	95	94	93	90	85	87	90	82	80	90	91	92	92	92	93	93	86	90	93	94	72	84	81	80	86	87	84	84	..	88.2
	Minimum	55	67	62	64	66	68	61	62	64	62	56	57	63	67	67	70	65	65	62	58	61	63	73	67	67	55	57	59	58	59	..	62.1
Richmond	Maximum	92	92	95	100	95	97	89	89	90	84	87	94	85	90	91	92	91	93	89	95	96	93	86	83	80	78	86	86	81	83	..	89.4
	Minimum	66	66	68	71	69	69	62	65	64	62	54	61	65	66	67	70	65	72	66	62	63	65	69	67	65	55	58	60	65	62	..	64.5
Sergent	Maximum	93	93	94	94	94	89	88	89	89	89	87	90	99	91	90	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	54	62	60	61	66	59	61	64	59	58	53	55	64	65	64	66	69	65	68	56	57	58	65	66	66	58	60	58	60	60	..	60.6
Williamsburg	Maximum	92	94	96	96	96	95	89	89	94	92	92	92	94	90	92	91	92	91	95	89	93	94	66	88	89	85	87	93	88	91	87	91.6
	Minimum	55	61	60	66	62	60	60	62	60	54	56	67	68	67	69	66	69	71	58	57	60	68	68	70	66	56	56	58	61	66	..	62.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, ‡ etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville, 5-26-25

UNIT

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXX LOUISVILLE, KY., JULY, 1925. No. 7.

GENERAL SUMMARY.

The weather continued decidedly warm during the first half of the month, but was generally quite cool through the last half the month ending with temperatures far below normal and somewhat unfavorable for late corn Although irregular in distribution, precipitation averaged near normal and was sufficient for the needs of the staple crops in most districts. Further heavy rains in the northeastern counties during the first week restored satisfactory growing conditions. In other sections the rainfall prior to the 20th was exceedingly local, resulting in a variable crop situation. Some localities received sufficient rain, while in others near-drought conditions prevailed much of the time. Except the lower Green River valley, which remained dry, the general rains of the 20th relieved the local drought. Corn recovered rapidly in the eastern counties and, except on hills and thin uplands, continued good to excellent in other districts. The rains came soon enough to prevent premature tasseling, while the moderate temperature of the last decade favored fertilization. Late settings of tobacco suffered from the intense heat and dryness of the first week, which affected the stand and retarded the growth. The uneven character of the early settings, due to the unfavorable season for transplanting, persisted until topping, which proceeded irregularly as plants reached the proper stage. Pastures, timothy, and alfalfa gave light yields, being affected by the lack of subsoil moisture that had prevailed during the entire growing season. At some stations, precipitation for the previous six months was the lightest on record. Conditions were generally favorable for threshing and hay harvest. In the extreme northern counties, hay was discolored and some grain was spoiled in shocks because of soaking rains. Soil and temperature conditions generally favored late potato planting. Cowpeas and soybeans made good growth even in the drier districts. Cotton developed rapidly, keeping about two weeks ahead of seasonal expectations.

TEMPERATURE.

The average temperature for the State, 43 stations reporting, was 76.7,° which is 0.2° below normal. Temperatures were above normal from the 2d to 16th, and generally below during the remainder of the month Maxima above 100° occurred at many stations in the period 2d-4th, and minima of 50° or lower on the 29th and 30th. Extremes for the State were 105° at Earlington and Hopkinsville on the 2d; and 46° at Farmers, Eubank, and Junction City on the 29th.

PRECIPITATION.

The average precipitation obtained from the records of 81 stations, was 3.93 inches, which is 0.24 inch less than normal. Moderate to heavy rains occurred generally in the period 21st-22d, otherwise precipitation was entirely local in character. Rain was reported on every day in the month except two. The distribution over the State was exceptionally irregular. In the district north of the parallel of Lexington amounts ranged between 4.0 and 9.0 inches. They diminished rapidly southward, ranging from 1.0 to 3.5 inches in most of the south-central and west-central counties. A limited area in the western division received from 4.0 to 5.5 inches. Monthly amounts ranged between 0.68 inch at Woodbury, in the Green River valley, and 9.21 inches at Gest, Henry County. Thunderstorms were reported on 19 days, attended frequently by wind squalls and destructive lightning.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
	Average.	Highest.	Date.	Lowest	Date.	Total movement	Av. hourly Velocity.	Max. Velocity.* Miles per hour.	Direction.	Date
Cairo ..... Ill.	29.95	30.16	23	29.77	14	4120	5.9	26	ne.	13
Cincinnati ..... Ohio	29.96	30.22	1	29.70	16	4274	5.7	32	sw.	4
Evansville ..... Ind.	29.98	30.17	23	29.81	16	6155	8.3	46	w.	25
Lexington ..... Ky.	29.98	30.20	1	29.73	16	7961	10.7	52	nw.	3
Louisville ..... Ky.	29.98	30.21	1	29.76	16	6638	8.9	54	nw	25

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	77	54	58	369.8	447.1	83	19	1
Cincinnati ..... Ohio.	78	56	60	303.5	452.3	67	13	2
Evansville ..... Ind.	72	48	56	346.7	449.8	77	19	1
Lexington ..... Ky.	77	64	.....	244.0	449.8	54	5	6
Louisville ..... Ky.	73	54	60	340.2	449.8	76	20	2

COMPARATIVE DATA FOR JULY.

Year	Temperature.				Precipitation.		
	Monthly average.	Departure from 35-year normal.	Highest	Lowest.	Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more rain.
1889	75.1	− 1.6	98	50	5.62	+1.32	..
1890	73.0	− 3.7	101	44	2.66	−1.64	..
1891	74.0	− 2.7	91	47	4.08	−0.22	..
1892	76.5	− 0.2	100	48	3.30	−1.00	..
1893	78.8	+ 2.1	101	50	3.48	−0.82	..
1894	76.2	− 0.5	105	43	2.03	−2.27	..
1895	75.2	− 1.5	99	49	5.75	+1.45	9
1896	77.4	+ 0.7	103	47	7.44	+3.14	11
1897	77.8	+ 1.1	107	50	4.79	+0.49	10
1898	77.8	+ 1.1	102	48	4.71	+0.41	11
1899	77.3	+ 0.6	100	47	3.78	−0.52	9
1900	77.9	+ 1.2	101	50	4.91	+0.61	11
1901	81.7	+ 5.0	112	48	1.72	−2.58	5
1902	78.1	+ 1.4	107	48	1.91	−2.39	6
1903	77.5	+ 0.8	104	49	3.53	−0.77	8
1904	75.2	− 1.5	99	46	3.40	−0.90	10
1905	75.9	− 0.8	102	52	5.93	+1.63	13
1906	75.2	− 1.5	100	51	6.02	+1.72	11
1907	78.1	+ 1.4	102	40	4.71	+0.41	9
1908	76.9	+ 0.2	100	50	3.94	−0.36	10
1909	74.8	− 1.9	99	48	6.01	+1.71	11
1910	76.2	− 0.5	96	51	5.63	+4.33	16
1911	75.8	− 0.9	105	42	2.28	−2.02	7
1912	76.8	+ 0.1	100	53	5.50	+1.20	12
1913	79.9	+ 3.2	109	48	2.54	−1.76	7
1914	78.8	+ 2.1	109	43	3.20	−1.10	6
1915	75.7	− 1.0	102	49	5.30	+1.00	11
1916	78.6	+ 1.9	102	52	4.17	−0.18	9
1917	75.3	− 1.4	100	50	4.28	+0.08	11
1918	73.8	− 2.9	103	46	3.28	−1.02	8
1919	79.5	+ 2.8	104	50	2.10	−2.20	5
1920	75.2	− 1.5	99	44	3.83	−0.45	9
1921	81.1	+ 4.4	106	52	2.65	−1.65	7
1922	76.4	− 0.3	102	47	4.77	+0.47	9
1923	76.8	+ 0.1	99	44	3.59	−0.71	8
1924	73.7	− 3.2	99	45	3.63	−0.54	8
1925	76.7	− 0.2	105	46	3.93	−0.24	9

Climatological Data for July, 1925.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	21	78.6	+ 0.8	104	2	50	29	38	2.05	−1.93	1.15	0	5	25	2	4	s.	Mrs. Lena F. Taylor.
Bardstown	Bullard	445	43	78.6	+ 0.4	100	2	55	29	30	1.86	−2.03	1.19	0	4	15	9	7	sw.	E. W. Horr.
Blandville	McLean	437	21	76.6	− 1.4	95	2†	53	29	30	1.92	−2.30	0.82	0	7	9	18	4	nw.	W. A. Taylor.
Caldonia	Hopkins	420	35	80.0	+ 1.6	105	2	53	29	42	4.74	+0.61	1.97	0	7	21	8	2	sw.	Brick Southworth.
Earlington	Hopkins	519	8	.....	.....	102[c]	3	.....	.....	.....	1.89	.....	0.55	0	6	20[b]	9[c]	0[a]	s.	C. R. Lovell.
Greenville	Muhlenburg	524	29	79.5	+ 0.7	105	2	53	29	40	4.15	+0.22	1.37	0	9	12	16	3	s.	W. E. Graves.
Hopkinsville	Christian	571	27	79.3	+ 1.4	100	3	55	29	29	4.00	+0.44	1.80	0	4	12	13	6	sw.	B. C. Paris.
Marion	Crittenden	364	16	80.0	+ 2.1	103	2	55	29	36	5.51	+1.49	3.85	0	9	20	4	7	s.	Henry S. Berry.
Mayfield	Graves	470	28	77.2	− 0.5	98	3	51	29	32	1.83	−1.54	0.50	0	7	23	5	3	sw.	J. W. Lilley
Owensboro	Daviess	516	8	80.2	.....	102	2	57	16†	37	4.95	.....	2.00	0	7	23	5	3	sw.	Frank L. Brown.
Paducah (near)§	McCracken	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.22	−1.76	1.07	0	5	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	36	.....	.....	.....	.....	.....	.....	.....	2.82	−0.80	1.55	0	6	9	15	7	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	18	78.8	+ 0.7	102	2	54	29	35	1.90	.....	0.75	0	6	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2‡	McLean	344	1	.....	.....	.....	.....	.....	.....	.....	2.67	−2.08	0.81	0	9	19	10	2	s.	Wm. Shelton.
Russellville	Logan	590	14	78.6	+ 0.9	103	2	52	29	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Anchorage	Jefferson	700	24	75.4	− 0.6	100	2†	50	29	37	5.53	+1.09	1.91	0	10	15	13	3	sw.	C. E. Barret.
Bardstown	Nelson	637	28	76.6	− 1.9	100	2†	49	29	37	3.68	−0.33	0.88	0	9	17	2	12	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	77.7	− 1.2	104	2	52	29	40	5.02	+0.56	1.70	0	8	13	15	3	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	2.83	.....	1.31	0	6	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	8	.....	.....	.....	.....	.....	.....	.....	2.65	.....	1.27	0	9	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	34	.....	.....	.....	.....	.....	.....	.....	4.30	−0.59	1.97	0	8	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1‡	Carroll	422	26	.....	.....	.....	.....	.....	.....	.....	6.53	+3.13	2.12	0	12	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	11	.....	.....	.....	.....	.....	.....	.....	2.95	−0.88	1.02	0	8	.....	.....	.....	.....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	1	77.5	.....	100	3	52	29	34	1.89	.....	0 63	0	12	18	11	2	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	31	75.2	+ 0.3	95	3	46	29	35	1.86	−2.68	0.40	0	7	3	23	5	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	33	76.6	− 0.3	98	3	54	29	34	5.43	+1.32	2.60	0	9	23	5	3	w.	Sidney Wood.
Franklin	Simpson	449	14	.....	.....	.....	.....	.....	.....	.....	3.65	−0.55	1.70	0	4	25	2	4	w.	Jos.H. Blewett.
Goest, Lock 3	Henry	780	4	79.6	.....	104	2	50	29	37	9.21	+5.19	2.40	0	12	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	506	0	.....	.....	.....	.....	.....	.....	.....	1.05	.....	0.70	0	4	29	0	2	w.	Dr. Fidella Edwards.
Grant, Dam 38	Boone	581	32	75.0	− 1.6	95	3	49	29	33	7.76	.....	3.61	0	11	.....	.....	.....	.....	W. L. Patchell.
Greensburg	Green	550	23	.....	.....	.....	.....	.....	.....	.....	2.61	−1.88	0.51	0	10	5	0	26	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	646	27	76.8	− 0.6	97	3	53	29	28	3.49	−0.83	1.22	0	7	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	985	31	77.4	+ 2.6	100	2	46	29	37	2.63	−0.92	0.89	0	7	17	8	6	sw.	W. J. Piggott.
Junction City	Boyle	635	29	76.4	− 0.2	99	2	51	29	32	3.20	−1.10	0.75	0	10	10	20	1	sw.	William E. Grubbs.
Latonia	Grayson	989	37	75.0	− 0.9	97	3	58	31	31	3.62	−0.33	1.22	0	6	8	22	1	s.	H. H. Willis.
Lexington	Fayette	523	14	.....	.....	.....	.....	.....	.....	.....	3.63	−0.81	1.32	0	12	13	13	5	sw.	U. S. Weather Bureau.
Lock 7, Jessamine‡	Jessamine	436	15	.....	.....	.....	.....	.....	.....	.....	2.16	−2.00	0.50	0	8	.....	.....	.....	.....	Horace Custer.
Lockport, Lock 2	Henry	525	52	77.6	− 1.0	100	2	58	29	27	6.71	+2.69	1.88	0	12	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	534	15	76.4	+ 0.4	96	2†	54	29	29	2.63	−1.11	0.98	0	11	9	17	5	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	570	0	.....	.....	.....	.....	.....	.....	.....	2.27	−2.84	0.81	0	7	15	11	5	s.	Wm. I. Hunt.
Munfordville	Hart	777	29	76.4	+ 0.4	100	3	49	29	37	1.36	.....	0.64	0	6	.....	.....	.....	.....	W. F. Nichols.
Mt. John	Hardin	490	11	.....	.....	.....	.....	.....	.....	.....	3.85	+0.36	1.90	0	9	28	3	0	.....	Sisters of Loretto.
Nelson, Lock 6‡	Mercer	960	27	73.4	− 3.2	96	2	53	24†	30	5.28	+0.84	1.50	0	9	.....	.....	.....	.....	Ernest M. Searcy.
North ¶	Kenton	825	36	75.6	− 1.3	100	3	52	29	35	7.77	+4.43	2.62	0	17	6	17	8	sw.	E. B. Wilson.
Shelbyville	Shelby	489	23	75.4	− 0.7	99	2	52	1	36	6.19	+2.03	1.73	0	13	11	1	19	s.	Mrs. W. T. Miller.
Taylorsville	Spencer	476	7	.....	.....	.....	.....	.....	.....	.....	5.16	+0.89	1.77	0	12	19	8	4	s	E. D. Bourne.
Tyrone, Lock 5‡	Anderson	913	22	74.1	− 1.6	97	2	53	1	36	6.09	.....	1.74	0	10	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	533	8	.....	.....	.....	.....	.....	.....	.....	6.23	+2.55	2.64	0	13	8	20	3	w.	Mrs. E. S. Humlong.
Woodbury, Lock 4‡	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.68	.....	0.33	0	8	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	8	75.4	.....	97	2	51	11	38	5.86	+1.81	1.50	0	7	16	0	15	sw.	W. B. Shaw.
Beattyville	Lee	656	21	75.9	0.0	97	2	50	29	40	2.86	−1.50	0.64	0	12	8	8	15	e.	Mrs. Salome E. Hall.
Berea	Madison	1070	23	75.0	− 1.1	96	3	49	29	29	3.79	0.80	0.85	0	10	10	17	4	sw.	Frank Montgomery.
Cottage Hill, Lock 11	Madison	576	15	.....	.....	.....	.....	.....	.....	.....	2.79	−1.05	0.90	0	10	.....	.....	.....	.....	Eedly Walden.
Cynthiana	Harrison	684	7	.....	.....	.....	.....	.....	.....	.....	6.48	.....	1.95	0	12	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	36	.....	.....	.....	.....	.....	.....	.....	6.14	+2.39	2.65	0	11	20	5	6	e.	J. V. Oldham.
Farmers	Rowan	668	19	73.6	− 1.3	97	2	46	29	43	4.60	−0.20	0 95	0	10	9	14	8	ne.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	.....	0	.....	.....	.....	.....	.....	.....	.....	3.90	.....	1.60	0	9	.....	.....	.....	.....	C. A. Glascock.
Ford, Lock 8‡	Clark	559	9	.....	.....	.....	.....	.....	.....	.....	5.41	+0.70	1.70	0	12	.....	.....	.....	.....	John A. Walters.
Grahn	Carter	589	0	.....	.....	.....	.....	.....	.....	.....	2.95	.....	0.80	0	12	.....	.....	.....	.....	Col. Frank Powers.
Harlan	Harlan	1197	1	74.1	.....	92[b]	4	49[b]	30	35[b]	9.24	.....	0.74	0	2	.....	.....	.....	.....	Mrs. Agnes Farley.
Harrod	Perry	.....	0	.....	.....	.....	.....	.....	.....	.....	3.53	.....	1.10	0	10	.....	.....	.....	.....	Chas A. Brig.
Hazard	Perry	.....	8	.....	.....	.....	.....	.....	.....	.....	4.05	.....	1.25	0	10	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	629	8	.....	.....	.....	.....	.....	.....	.....	3.37	.....	1.20	0	12	15	13	3	sw.	John S. Lane.
Hindman	Knott	1032	0	75.4	.....	97	4	48	30	38	4.76	.....	1.17	0	7	.....	.....	.....	.....	R. R. Davidson.
Jackson	Letcher	1527	0	.....	.....	.....	.....	.....	.....	.....	4.75	+1.30	1.26	0	6	.....	.....	.....	.....	Russian Copley
Louisa	Lawrence	551	21	.....	.....	.....	.....	.....	.....	.....	4.04	−0.26	1.66	0	13	6	16	9	s.	Perry E. Bennett
Maysville	Mason	624	28	75.3	− 1.5	101	6	51	29	39	3.83	−1.54	1.46	0	8	13	10	8	.....	Matthew Woodson.
Middlesboro	Bell	1126	29	.....	.....	.....	.....	.....	.....	.....	4.09	−0 97	1.25	0	7	20	6	5	w.	W. R. McKee.
Mount Sterling	Montgomery	930	35	74 8	− 1.0	95	2†	49	29	32	6 43	.....	2.22	0	8	.....	.....	.....	.....	M. W. Kinner.
Olive Hill[c]	Greenup	540	5	.....	.....	.....	.....	.....	.....	.....	6.74	.....	3.96	0	9	.....	.....	.....	.....	Andrew M. Stanforth.
Owingsville, Dam 35	Campbell	443	3	.....	.....	.....	.....	.....	.....	.....	2.43	−1.69	0.48	0	11	.....	.....	.....	.....	Robert Repass.
Pikeville	Pike	634	19	.....	.....	.....	.....	.....	.....	.....	4 08	.....	1.11	0	9	.....	.....	.....	.....	F. C. H. T.
Prestonsburg	Floyd	660	0	.....	.....	.....	.....	.....	.....	.....	2.57	.....	1 60	0	4	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breathitt	732	0	75.2	.....	96[b]	11	51[b]	30	35[b]	6 85	.....	0 85	0	8	.....	.....	.....	.....	Walter P. Bush.
Rockcastle, Lock 12	Jessel	593	7	.....	.....	.....	.....	.....	.....	.....	2 97	.....	0.85	0	8	.....	.....	.....	.....	J. W. Crooke.
Richmond	Madison	926	31	75 9	0.8	98	2†	52	29	36	4 34	+0.30	1.80	0	10	20	7	4	sw.	Mary Rockwell.
Sextons	Letcher	1255	2	75 2	.....	94[c]	20	50	29[c]	37[c]	3.65	.....	1.60	0	8	14	13	4	sw.	Thos. Sullivan.
Valley View, Lock 9	Madison	541	12	.....	.....	.....	.....	.....	.....	.....	4.40	+0.22	1 6	0	12	.....	.....	.....	.....	Samuel Johnson.
Wagners	Lewis	525	10	.....	.....	.....	.....	.....	.....	.....	7.57	+2.60	2.03	0	9	.....	.....	.....	.....	B. F. Mason.
Wagoner, Dam 32	Lewis	760	0	.....	.....	.....	.....	.....	.....	.....	2.20	.....	0 95	0	6	.....	.....	.....	.....	G. H. Zimmerman.
Wayland	Floyd	1162	0	.....	.....	.....	.....	.....	.....	.....	3.98	.....	1 35	0	12	.....	.....	.....	.....	Lawrence R. Uhl.
Whitesburg	Letcher	939	28	77.6	+ 0.9	100	3	50	29[c]	42	3.36	−1.93	1.27	0	4	24	7	0	.....	Shelby Angel.
Williamsburg	Whitley	611	6	.....	.....	.....	.....	.....	.....	.....	3.71	.....	0.83	0	9	.....	.....	.....	.....	.....
Wolfe, Lock 13	Lee	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State means and extremes		.....	.....	76.7	.....	105	2	46	29	43	3.93	.....	3.96	0	9	15	10	6	sw.	.....

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published in the miscellaneous section of division reports.
Kanawha, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
In determining means, b represents two days, etc.
Temperature values, * * *, appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oak.
† Also on other dates. ** Received too late to be included in means and summaries. T. Precipitation is less than 0.01 inch rain or melted snow.
‡ Post office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

MISCELLANEOUS.

Damage by wind and lightning: 2d, at Covington; 3d, at many places in the bluegrass region; 4th at Horse Cave and Russellville; 25th, to roofs, timber, and wire systems in Jefferson and Henry counties.

Lightning casualties: 3d, two men were severely shocked near Versailles while in a barn; 10th, near Lewisport a farmer killed while in the open field; 14th, railroad workman killed near Jackson's Chapel, Hickman County; 16th, in the driveway of a barn near Berea two boys killed and two men badly shocked

Daily Precipitation for July, 1925

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam §								1.15					.10								.45					.26						
Blandville													.16																			
Calhoun					T.		T.	T.		.82			.22						T.	T.	.71	.02			.07	.64			.02			
Carlington §				.11			.25		.27												1.97					.46	1.62					
Greenville						.52				.02											.58					.13	.57					
Hopkinsville §				.30		.27		.31		.53			.58			T.					1.37	.04					.67					
Marion				T.		T.			1.80			.45									.72								1.63	T		
Mayfield				.15	.23			.23	.35			.10	.20								3.85				T.	.10	T		.20	T		
Owensboro §					T.		.16		.17	.27									.05		.20	.08			.20							
Paducah (near) ¶									.10	.20											2.00				.10		.10		.16	.50		
Paducah											1.07			.14							.06											
Princeton				T.	.30	T.		T.		.15		T.			T.						.78				T.		.13					
Ramsey, Lock No. 2																					.07	1.55			.29	T.	T.			.46		
Russellville				.81		.17	.08	.06			.71		.12								.75					.07		.03			.22		
Central Division														.23							.35	.03				.76		.18				
Anchorage				1.91	.22	.62				.02						.51	.22		.22	.80	.35				.66	T			T			
Bardstown §				.30				.33					.88	.22			.36				.64	.10				.72				.02		
Bowling Green ¶				.15	.20		1.34										.88				1.70	.62								.18		
Bowling Green, No. 2				.20	.07		.97																				.55					
Brownsville, Lock No. 6																	.14				1.31	T.				.08				.05		
Burnside							.84	.17		.04																	.25			.03		
Carrollton †† (Lock No. 1)				1.97				.14	.64	.48						.04					1.27	.07				.14		.04		.05		
Cloverport				.89	.98			.16		.03		.10				.14					.70	.15				.08					T.	
Dix (nr. Burgin				.45							1.02		.90			.21	.31				.87	.71			2.12		.06	.69				
Eubank				.10			.19	.15	.02		.07						.01				.12	.03			.28				T.	.14		
Frankfort				.20				.07	.10					.37		.35					.37	.40			.23	T.				.02		
Franklin				2.60	.20			.22		T.							.04	.03			1.21	.58										
Gest, Lock No. 3				1.70									.50								.85				.52	T.				.08		
Glasgow				1.00	1.60		2.40				.07						.40	.18			1.52	1.00			.04	.44		.46		.10		
Grant, Dam 38						.05										20					.70						.60	T.				
Greensburg §			.03	.06	T.		T.	.11		T.	.42	3.61	.03				T.	.04			1.96	.33			.10							
High Bridge, Lock No. 7				1.22				.06	.21	.16				.03				.51			.30	.43				1.00		T.		.11		
Lexington								.67									.45	.13			.56	.27				.27				.19		
Junction City							.55			.28	.04		.51				T.				.89	.11			.19							
Leitchfield				T.			.40	.04		.07			.35			.52	.40	T.			.21	.44			.25	T.			T.	T.		
Lexington ***		1.22			T.	.80			T.		T.		.21				T.	T.			1.22					.75		T.		.02		
Little Hickman, Lock No. 8		.90		.30		.05	T.	.01			.11	T.		T.		T.	.15	T.	1.08	.24	.38			.12					T.	.05		
Lockport, Lock No. 2			.33				.20	.14		T.							.28	.08			.40	.50			.38	.01				.02		
Louisville ***			.22	1.88		.07	.82			T.	.06						.26	.21			1.70	.46				.23						
Do. (Cherokee Park)		T.	.45	.53		.26		.09	.05	T.						.03	T.			.67	.06				.61		.35			.07		
Munfordville			T.	.70		.15	T.		.08							T.					.81				.45	.03			T.	.01		
St. John §						.08	.64				.01										.42	.07			.41	.05		T.		.07		
Salvisa, Lock No 6			1.00				.40			.10			.50					.10			.90	.30				.50				.08		
Scott			.32			.51	.52	T.			.48					1.50	.20		1.00	.42				30						.05		
Shelbyville §	.40	.04			.01	.71	.05		.49	1.35	.04			.63	.03		T.	2.62	.97	.36				41		T.	.13		.01	.12		
Taylorsville			.50	1.05	.02		.27		.06	.01						.82	.12		1.73	.61					.87	.02		T.	.05		
Tyrone, Lock No. 5		10	1.30	.08		T.		T.			.55					.28	.29		1.77	.45				20		.02		.01	.02		
Williamstown §		.75	.10	.50		.45				.55						.80			1.74	.75				41				.04			
Woodbury, Lock No. 4		.42	.27	.25			.30				.39	.17					.65	.07		2.64	.85					.77	.03			.02		
Eastern Division				.03		.11	.02	.12												.33	.03				T.	.01			.03		
Ashland			.80		1.48			.10			.22						1.05				1.50	.71										
Beattyville			.22	.17			.22	.08	.53			.18	T.	.06			.04	.02			.64	.36				.34				T.		
Berea			.12	.02			.85	.44				.28				.75	.05				.84					.42	T.			.03		
College Hill, Lock No. 11			.17	.45		.07	.20	T.		T.		T.	.90				.05	.05			.55	.10				.25						
Cynthiana				.59	1.53						.36		.07		.05		.09	.11			1.95	.56				1.01		.06		.07		
Falmouth			.14	.10	.02			.30				.06	1.05					.21			2.65	.94				.66	T.					
Farmers			.90	.70	.35				.10					.60				.10			.95	.20				.60						
Flemingsburg				.18	.14				.15	.30	.15	.45									1.50	.48				.54						
Ford, Lock No. 10			.20	1.70	.06	1.20			T.	T.	.01	.48					.05	.08	T.		.79	.71				.12						
Grayson			.51		.21	.11		.25		.15	.16			.20			.26				.80	.21				.06						
Harlan							.74		.20																	T.						
Hazard			.07	.16		.85	T.			.33	T.	.24	.06				.42	1.10			.10				T.						
Heidelberg, Lock No. 14			.29	.78		1.25	.14	.14		T.	T.	.26	.53				.26	.11			.13	.05				.20				.08		
Hindman			1.20	.51		.52	.03	.34			.15					.02	.04								29	.29						
Jenkins				.41	.64			.71			1.17	1.05	.70													.20				.08		
Louisa			.22		1.26																											
Maysville			.33	.22	.33	.01		.75					.42				.85				.25									.08		
Middleboro				.44						.11	.02		.06			.06				1.66	.85				.33					.01		
Mount Sterling §			.18	.60	T.		T.	1.46	.05			.92	T.		.28	T.		T.		.15	.29								.24		
Oliver, Dam 30			.91	.04	.36							.27	.08	T.						1.25	.76				.85						
Oneonta Dam 35			.68	.08		T.	T.	.12			.80		.17			.91				2.32	.62										
Pikeville			48	.03		.15	.45			.33	.16									3.96	.40				.51				.10		
Prestonsburg			.72	.08		1.11	.83	.24			.48	.07	.42				.10				.12					.08				.05		
Quicksand				.27					1.60					.50					.34	T.	.31					.20				.25		
Raccoon, Lock No. 12		T.	.52	T.		.26	T.			T.	T.	.52				.15	.10			.85	.12					.20					
Redmond §			1.80	T.	T.		.01	.65		T.	.05	.50				.16	.03			.52	.22				.45				T.		
Sergent		1.00	.45			.50			.10	.80	.45		.10				.25								.40				T.		
Valley View, Lock No. 9		.64	.15	.10	.35	.30										.25	.20			1.65	.25	T.		.26	.10	T.		.15			
Vanceburg, Dam No. 32		1.52			.58		.21			.25						1.10			.07	2.63	.18				.23						
Wayland				.10				.95						.65																		
Whitesburg	.80																.32	.22			.20					.12				.04		
Williamsburg		99	1.35			.04	.06	.24			.24		.32								.70											
Willow, Lock No. 13						1.15	1.27	T.					.40				T.	T.			T.									.04		
	.52	.52		.34	.35							.42	T.			.18				.83	.21			.34						.54		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak. § Precipitation measured at 7 a. m. beginning April 16th.

—near Crofton, man killed while standing under a tree, 25th, the driver of a wagon killed near Owensboro.

Rivers:—Stages remained low in all streams of the State

Daily Temperatures for July, 1925.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	93	104	102	100	98	99	90	94	96	91	98	96	96	91	95	95	90	87	89	94	87	89	87	96	100	89	92	81	86	80	80	92.2
	Minimum	55	67	72	73	72	73	72	70	72	74	71	72	69	66	63	65	60	54	59	68	69	60	60	57	65	65	61	64	60	55	62	65.0
Blandville	Maximum	90	100	96	95	94	94	91	96	93	90	91	96	96	91	94	95	87	85	90	94	85	85	85	85	85	92	92	88	80	81	82	89.3
	Minimum	60	73	72	71	71	72	75	73	71	74	73	73	73	68	67	68	63	58	67	70	68	64	64	67	71	67	67	65	65	75	72	67.8
Calhoun	Maximum	88	95	95	95	94	93	93	90	90	90	91	92	92	88	91	91	90	82	85	85	84	84	84	87	87	87	87	68	68	58	59	87.1
	Minimum	58	66	74	74	75	73	74	72	73	73	73	72	70	69	65	66	62	57	59	65	65	65	57	58	67	67	68	68	53	59	61	66.1
Earlington	Maximum	97	105	103	101	98	98	90	96	95	87	96	98	99	94	100	98	90	91	93	94	85	88	89	93	98	86	92	78	85	81	78	92.8
	Minimum	55	75	74	76	71	75	77	72	73	77	74	73	72	69	62	67	61	56	61	70	69	63	61	59	68	67	64	66	53	57	62	67.1
Greenville	Maximum	..	..	102	101	101	101	99	96	94	94	96	97	100	98	98	103	93	90	94	97	96	87	87	94	99	..	93	79	85	88	80	°93.9
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Hopkinsville	Maximum	97	105	103	101	99	99	94	94	93	94	95	99	100	95	99	98	90	91	95	94	85	87	89	93	98	91	93	84	86	88	80	93.7
	Minimum	57	66	72	73	69	70	72	71	69	73	69	68	70	67	64	65	60	56	60	68	69	63	62	60	66	64	66	64	63	58	61	65.3
Marion	Maximum	87	96	100	98	97	94	95	94	93	92	85	94	94	95	93	94	85	86	86	90	88	84	84	85	91	93	89	89	84	84	77	90.2
	Minimum	60	73	75	75	72	73	75	72	72	71	75	72	72	74	69	65	77	68	60	65	72	68	64	62	65	73	68	67	64	55	64	68.4
Mayfield	Maximum	95	103	101	99	97	98	94	97	99	90	94	96	97	93	97	97	89	90	95	92	85	86	88	87	95	86	86	81	84	85	77	92.1
	Minimum	69	73	73	73	71	68	76	79	71	75	72	72	75	69	66	66	61	58	68	71	70	65	65	65	71	69	70	66	55	62	60	68.0
Owensboro	Maximum	88	97	98	97	96	93	91	92	91	89	92	93	95	91	94	92	86	87	86	91	85	84	85	91	95	84	89	77	81	74	74	89.0
	Minimum	61	68	74	71	72	72	72	70	71	73	73	71	70	67	65	65	66	56	56	61	68	64	61	59	65	65	65	60	60	52	58	65.4
Paducah (near)	Maximum	95	102	98	98	97	97	93	100	95	90	93	97	99	92	98	96	89	91	95	90	88	87	89	93	98	91	95	84	89	87	84	93.7
	Minimum	58	75	73	74	74	75	77	73	72	75	74	74	75	69	66	69	62	57	66	72	70	68	68	65	73	70	67	65	60	57	60	68.5
Princeton	Maximum	93	102	100	97	95	97	89	90	93	91	96	96	95	92	97	94	87	87	93	90	85	85	86	89	93	85	91	83	84	84	76	90.5
	Minimum	59	67	73	74	72	72	74	72	71	75	72	71	73	70	67	65	65	58	63	68	68	65	64	62	69	67	67	66	54	58	60	67.1
Russellville§§	Maximum	94	103	102	99	94	96	89	92	92	95	90	96	97	92	96	96	88	87	89	94	82	86	87	93	99	88	90	79	86	89	78	91.5
	Minimum	55	60	72	73	71	73	70	75	71	72	72	71	70	69	65	64	61	56	61	69	70	67	62	59	65	69	65	66	62	54	62	65.8
Central Division.																																	
Anchorage	Maximum	89	100	100	96	90	93	85	93	92	84	91	94	92	84	95	90	81	84	88	91	87	84	83	87	94	81	87	76	81	71	75	87.7
	Minimum	57	63	72	68	68	71	70	69	72	74	71	71	68	60	61	65	58	52	57	61	68	61	56	55	61	64	61	64	57	60	60	63.1
Bardstown	Maximum	90	100	100	96	95	96	93	95	91	90	95	94	91	89	95	93	81	85	88	92	85	86	85	88	96	85	88	77	82	76	78	89.5
	Minimum	54	63	69	69	70	72	70	70	70	73	70	70	68	62	63	63	57	53	56	64	69	65	59	59	65	67	66	62	59	54	49	55	62	63.6
Bowling Green	Maximum	96	104	99	98	93	97	90	89	90	93	96	95	95	93	97	97	84	86	89	89	82	87	86	87	92	88	93	86	87	83	77	90.6
	Minimum	58	64	73	70	69	68	68	70	72	68	71	71	68	66	64	65	61	57	57	66	68	65	62	59	65	65	64	65	62	59	55	62	64.8
Dix Dam	Maximum	89	98	100	98	93	95	95	92	91	92	98	95	92	90	94	95	82	84	86	93	88	85	84	88	96	86	88	83	81	80	77	89.9
	Minimum	58	64	73	68	71	71	73	71	71	73	74	72	70	64	64	66	60	54	57	65	68	65	62	56	66	65	66	66	62	56	61	65.1
Echank	Maximum	86	93	95	91	89	90	90	90	88	91	92	92	92	87	93	92	89	83	83	90	82	86	83	87	92	86	86	86	86	84	83	87.8
	Minimum	60	60	68	66	69	68	68	67	68	69	69	69	67	64	62	66	56	51	53	63	68	66	60	56	64	66	66	66	62	56	60	62.6
Frankfort	Maximum	86	97	98	93	90	92	93	91	91	93	92	94	91	88	89	92	79	82	85	91	87	83	82	85	93	88	89	79	77	76	77	87.9
	Minimum	57	63	70	67	70	71	72	72	72	75	72	73	72	64	64	65	60	55	58	64	69	66	62	55	65	67	67	66	54	58	62	65.2
Franklin	Maximum	97	99	104	101	94	95	92	95	96	95	98	98	95	96	95	92	91	84	91	94	92	85	90	90	98	91	92	87	87	85	82	92.8
	Minimum	62	66	72	68	76	75	78	70	71	69	73	69	68	66	65	64	60	60	65	65	66	63	59	61	66	68	64	64	61	56	56	65.6
Glasgow	Maximum	90	104	102	97	90	93	98	92	90	99	96	99	100	97	101	99	91	91	88	93	81	90	90	94	96	90	90	83	86	86	78	93.4
	Minimum	60	70	80	70	73	72	70	70	73	72	72	71	67	65	64	65	60	56	61	72	69	68	68	59	67	65	62	60	50	57	57	65.8
Greensburg	Maximum	84	94	95	91	86	89	90	88	85	90	91	90	92	85	92	94	86	80	83	90	84	83	84	85	91	86	86	81	80	80	77	86.9
	Minimum	55	66	70	68	69	69	70	67	70	69	69	69	68	64	61	61	57	54	54	61	68	66	60	56	63	65	59	64	49	56	60	63.2
Irvington	Maximum	86	96	97	94	91	94	90	91	90	86	90	91	89	86	90	90	85	82	86	92	85	83	81	85	92	82	84	75	80	75	76	87.0
	Minimum	58	69	76	73	73	76	74	71	74	73	73	74	68	65	64	68	61	56	60	70	70	66	61	59	67	69	70	68	53	60	62	66.7
Junction City	Maximum	95	100	98	95	90	91	92	93	92	90	96	94	92	96	96	95	89	88	89	92	83	87	87	91	95	91	90	80	83	82	80	90.6
	Minimum	60	78	76	68	67	67	72	70	71	75	70	76	74	60	60	59	61	58	52	62	68	63	59	55	64	61	56	65	46	60	63	64.2
Leitchfield	Maximum	86	99	98	94	90	93	88	91	87	88	92	91	91	87	91	93	84	84	86	89	82	82	81	87	94	86	86	78	82	79	76	87.4
	Minimum	58	67	67	70	69	73	70	70	73	72	72	72	67	64	64	68	61	55	59	68	68	65	61	58	65	68	61	65	51	57	62	65.5
Lexington	Maximum	86	95	97	91	88	88	89	89	87	86	88	91	87	82	89	88	74	79	83	87	76	81	78	82	86	78	81	72	75	72	73	84.0
	Minimum	59	68	66	68	70	73	71	71	71	73	74	71	68	62	66	67	63	61	62	66	67	66	62	65	75	63	63	59	64	58	60	68.5
Louisville	Maximum	87	100	99	95	92	92	83	91	91	90	92	91	90	96	96	95	89	88	90	96	79	83	85	89	90	85	82	85	83	81	87	74	79	71	74	86.6
	Minimum	62	74	73	73	73	76	74	73	74	74	74	75	77	74	66	67	72	66	61	64	69	69	67	60	62	69	68	64	64	58	64	60	68.5
Do (Cherokee Park)	Maximum	84	96	96	92	92	90	89	89	88	87	90	92	92	88	90	96	88	80	84	88	86	81	81	83	91	88	88	83	83	76	76	78	86.8
	Minimum	57	67	77	71	73	74	72	71	73	75	73	74	71	63	64	68	62	57	59	66	69	66	59	57	65	67	62	73	64	60	60	66.1
St John	Maximum	88	99	100	99	95	94	89	91	91	90	94	94	94	90	95	96	88	82	88	94	86	86	86	89	94	90	85	84	76	80	80	89.8
	Minimum	55	62	71	68	68	71	69	68	69	72	69	70	66	61	61	61	57	53	57	63	67	64	58	56	61	66	62	58	61	49	54	61	62.9
Scott	Maximum	83	96	93	90	88	91	85	87	87	84	91	90	86	82	89	85	76	79	82	86	75	80	77	82	87	74	80	76	76	73	73	83.4
	Minimum	55	66	65	67	67	72	71	70	70	72	72	68	70	58	61	68	57	57	57	66	67	61	57	53	63	65	57	61	53	60	60	63.4
Shelbyville	Maximum	88	99	100	95	89	92	90	92	88	87	92	95	92	87	93	93	80	82	83	89	79	84	81	86	92	82	87	74	80	76	73	87.3
	Minimum	56	64	73	67	69	71	70	69	71	72	70	71	69	60	62	66	59	54	59	64	67	63	58	56	64	66	62	59	61	52	58	60	63.8
Taylorsville	Maximum	86	99	98	92	92	93	90	93	90	89	92	92	89	87	93	91	80	80	84	89	77	81	77	83	81	75	77	78	79	69	69	85.5
	Minimum	52	75	74	68	72	72	71	70	72	73	70	71	70	61	62	64	62	53	57	63	69	66	60	56	66	66	65	63	57	52	58	60	63.5
Williamstown	Maximum	87	97	93	91	88	91	87	88	89	86	93	93	88	84	91	88	78	82	81	89	74	80	79	84	89	78	83	78	77	72	73	84.8
	Minimum	53	61	67	67	68	71	72	70	70	73	71	67	68	59	62	68	58	54	58	65	64	62	58	56	64	63	61	64	58	62	54	61	63.4
Eastern Division.																																	
Ashland	Maximum	89	97	93	96	90	95	91	87	91	90	92	92	88	84	90	90	78	78	82	84	74	83	82	86	91	86	83	80	80	77	78	86.3
	Minimum	51	61	69	68	66	72	73	71	71	65	72	76	75	60	62	62	60	56	55	62	67	69	63	57	63	61	56	59	63	51	56	64	64.4
Beattyville	Maximum	91	97	96	94	93	93	92	90	91	92	92	93	93	88	93	94	80	84	87	91	82	86	85	91	93	86	87	79	82	82	80	89.3
	Minimum	53	57	66	65	69	70	67	67	70	68	70	69	67	62	63	62	60	55	53	59	67	67	61	57	69	69	67	68	59	54	50	54	62.5
Berea	Maximum	85	94	96	91	88	92	93	89	88	90	89	91	88	83	87	92	77	77	83	89	81	81	81	79	91	82	86	76	78	76	76	85.6
	Minimum	59	67	68	69	71	70	71	70	74	74	73	68	63	63	67	67	57	53	57	68	68	68	66	60	67	64	66	67	66	49	53	62	64.5
Farmers	Maximum	88	97	95	94	91	94	94	95	91	92	94	93	86	82	86	92	78	82	85	87	91	80	85	86	89	82	86	81	82	76	77	88.3
	Minimum	48	54	62	61	65	68	65	67	68	66	67	67	65	56	55	57	51	50	48	55	65	65	56	51	59	60	54	60	46	52	59	58.8
Harlan	Maximum	87	..	..	92	86	87	85	85	87	87	85	89	85	90	85	87	77	90	90	90	90	88	85	90	90	90	88	85	80	77	83	75	185.6
	Minimum	59	..	..	61	74	65	65	66	70	65	70	70	65	63	65	61	65	54	55	58	67	61	60	55	65	86	51	93	87	86	80	82	85	80	188.6
Hindman	Maximum	90	93	95	97	95	94	91	90	96	91	89	90	89	87	92	92	82	83	83	89	79	84	81	86	92	86	87	76	81	61	61	50	48	62	62.3
	Minimum	55	56	65	64	70	71	68	62	71	64	69	70	69	57	64	63	62	57	52	56	67	67	57	56	63	64	61	61	56	53	51	53	52	59.1
Maysville	Maximum	87	100	98	94	90	101	93	93	89	88	93	93	90	84	92	91	82	83	85	90	78	82	81	85	91	80	86	76	78	77	76	87.1
	Minimum	61	61	67	67	68	70	71	71	69	74	70	71	68	57	60	64	56	53	54	62	66	63	58	55	64	65	66	63	54	56	57	63	63.5
Middlesboro	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mount Sterling	Maximum	86	95	95	93	92	93	92	90	92	91	93	90	84	89	91	78	80	85	92	90	82	80	85	92	88	84	77	79	72	77	77	86.8
	Minimum	56	63	66	65	70	71	68	69	68	70	71	71	67	60	61	64	56	52	55	61	66	65	60	57	68	69	66	64	49	55	60	62.7
Quicksand	Maximum	..	..	..	..	..	..	..	92	92	93	96	94	91	88	94	93	82	84	87	90	85	86	86	91	94	86	88	80	82	82	80	88.8
	Minimum	..	..	..	..	..	..	..	67	66	71	66	71	70	67	57	63	61	61	55	62	69	66	68	58	56	62	65	59	61	46	53	57	62.2
Richmond	Maximum	91	98	98	93	92	91	90	88	90	92	90	94	94	88	92	91	79	84	86	91	85	85	84	89	95	82	85	79	81	78	77	88.1
	Minimum	55	65	67	66	69	70	69	70	69	70	72	71	67	62	63	67	59	55	57	65	66	64	60	57	65	64	64	62	54	56	61	63.7
Sergent	Maximum	..	..	..	..	..	..	..	90	90	91	90	90	88	86	91	91	86	80	84	90	84	84	85	84	90	91	91	86	84	80	85	80	187.2
	Minimum	..	..	..	..	..	..	..	67	67	70	68	70	69	68	66	64	63	62	59	62	67	67	64	60	57	65	64	67	61	61	60	60	63	63.2
Williamsburg	Maximum	94	99	100	97	95	94	90	92	91	95	96	95	95	89	95	96	87	85	86	94	94	89	90	93	99	91	91	86	83	84	80	92.1
	Minimum	58	57	69	68	66	69	68	67	68	67	69	69	66	66	64	63	64	57	54	63	66	66	58	55	62	64	61	60	56	60	63	63.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

° Separate indicate respectively 1, 2, 3 etc. days missing from record.

‡‡ At Louisville Station.

UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXX LOUISVILLE, KY., AUGUST, 1925. No. 8.

GENERAL SUMMARY.

In the northern bluegrass region sufficient rain occurred to mature the crops, but in the remainder of the State precipitation ranged from practically nothing to about one-third of the normal amount. Drought became well established in large areas during the first decade, seriously affecting corn and tobacco on hills and uplands. Showers, varying greatly in amount, brought temporary local relief in the eastern and southern counties in the second decade. The deficiency in subsoil moisture, resulting from several months of light rainfall, together with the prevailing high temperature, caused the areas of drought to expand until all central, southern, and western districts were more or less seriously affected. Except on thin soils and warm slopes, early corn matured a good crop. It dried so rapidly that cutting became necessary in the last week. Late corn was injured generally, and much of it on the thinner soils was ruined, by the intensifying of drought during its silking and tasseling period. Even on bottom lands and the good soils of the southern bluegrass region the crop "fired" and many stalks set no ears. Early tobacco matured well in the northern burley district, and fairly well elsewhere. Cutting, induced by premature ripening, commenced about the middle of the month and proceeded in somewhat irregular fashion as farmers were forced by progressive "firing" to cut the more mature portions of the crop. Later settings failed to spread properly, and much of the last setting never became large enough to top. Conditions were ideal for air curing tobacco in barns, but the intense heat of the sun caused it to sunburn in fields soon after cutting. Late potatoes made such poor progress as to be in practically hopeless condition by the end of the month. Cowpeas and soybeans had to be harvested sooner than usual. The quality of hay was excellent, but the yield was lighter than expected. Pastures deteriorated rapidly until practically dried up. The third crop of alfalfa was light, and there was little prospect for a fourth crop. Tomatoes for canning, after an exceptionally short ripening season, began to fail. Cotton bolls were opening generally by the end of the month, and growth of foliage had ceased in many fields. Some fall plowing was done, but this work had to be abandoned later. Water for stock and domestic purposes became so scarce as to cause much inconvenience and suffering.

TEMPERATURE.

The average temperature for the State, 43 stations reporting, was 76.5°, which is 0.9° above normal. There were two periods of cool weather, 1st-5th and 21st-23d; otherwise temperatures averaged generally above normal. Maxima of 100° or higher occurred in the central and western counties from the 17th to 20th, and in the western counties on the last five days. Extremes for the month were 106° at Earlington on the 19th and 44° at Farmers on the 26th.

PRECIPITATION.

The average precipitation based on the reports of 79 stations, was 1.47 inches, which is 2.24 inches less than normal. Except in 1889, this is the lowest average rainfall for August since State records were established. The last decade was nearly rainless. Light, local showers occurred in the periods 2d-4th; 7-9th; 11-14th, and 18th-21st. There were no general rains. Except in a limited district in the northern bluegrass region, where from 2.00 to 5.00 inches occurred, the monthly precipitation ranged generally from 0.5 to 1.5 inches, and diminished toward the south and west. A trace at Marion was the lightest

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
								Max. Velocity.*		
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Miles per hour	Direction.	Date.
Cairo ..... Ill.	30.04	30.32	25	29.73	12	3920	5.3	40	nw.	18
Cincinnati ..... Ohio	30.07	30.41	25	29.73	12	3489	4.7	29	nw.	12
Evansville ..... Ind.	30.07	30.34	25	29.76	12	5437	7.3	36	sw.	12
Lexington ..... Ky.	30.08	30.39	25	29.83	12	7739	10.4	38	sw.	2
Louisville ..... Ky.	30.08	30.40	25	29.75	12	5484	7.4	66	nw	19

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
							Number of days with	
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	78	47	53	373.1	420.0	89	25	0
Cincinnati ..... Ohio.	83	55	56	321.0	423.5	76	17	2
Evansville ..... Ind.	71	42	48	375.2	421.7	89	25	0
Lexington ..... Ky.	73	52	.....	272.1	421.7	65	10	2
Louisville ..... Ky.	76	47	54	347.7	421.7	82	21	0

COMPARATIVE DATA FOR AUGUST.

THE LIBRARY OF THE
Year OCT 1 1925
UNIVERSITY OF ILLINOIS

Year	Temperature.				Precipitation.		
	Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more rain.
1889	70.6	−5.1	100	43	1.23	−2.33	..
1890	73.2	−2.5	101	44	6.16	+2.60	..
1891	72.9	−2.8	105	43	5.82	+2.26	..
1892	75.4	−0.3	96	45	3.13	−0.43	..
1893	74.8	−0.9	99	48	1.72	−1.84	..
1894	77.1	+1.4	105	41	3.02	−0.54	5
1895	76.6	+0.9	102	49	2.15	−1.41	6
1896	77.1	+1.4	105	41	2.83	−0.73	9
1897	75.2	−0.5	101	49	2.33	−1.23	7
1898	76.7	+1.0	100	55	3.83	+0.27	6
1899	78.1	+2.4	102	51	3.09	−0.47	6
1900	80.4	+4.7	104	52	2.74	−0.82	12
1901	75.5	−0.2	101	50	5.12	+1.56	7
1902	75.6	−0.1	103	45	2.48	−1.08	8
1903	75.5	−0.2	100	49	3.27	−0.29	8
1904	75.2	−0.5	100	45	2.64	−0.92	9
1905	75.7	0.0	99	42	3.82	+0.26	10
1906	77.4	+1.7	99	45	4.37	+0.81	10
1907	74.8	−0.9	99	48	4.27	+0.71	6
1908	76.3	+0.6	104	49	2.79	−0.77	7
1909	76.9	+1.2	104	45	2.60	−0.96	6
1910	74.0	−1.7	100	46	2.72	−0.84	10
1911	76.2	+0.5	106	45	4.03	+0.47	13
1912	73.7	−2.0	98	43	4.71	+1.15	7
1913	78.0	+2.3	108	44	2.81	−0.75	12
1914	76.0	+0.3	100	49	5.94	+2.38	14
1915	71.3	−4.4	100	42	6.29	+2.73	9
1916	77.0	+1.3	101	47	4.25	+0.69	8
1917	73.9	−1.8	100	42	3.49	−0.07	7
1918	80.2	+4.5	111	50	3.18	−0.38	8
1919	75.0	−0.7	104	47	3.49	−0.07	13
1920	73.4	−2.3	98	43	5.80	+2.24	10
1921	76.0	+0.3	101	48	5.28	+1.72	6
1922	75.2	−0.5	101	47	2.43	−1.13	12
1923	75.4	−0.3	99	43	6.03	+1.20	12
1924	76.5	+0.9	103	43	3.00	−0.71	7
1925	76.5	+0.9	106	44	1.47	−2.24	5

Climatological Data for August, 1925.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	21	78.6	+ 2.2	105	19	50	22†	48	0.05	−3.26	0.05	0	1	28	2	1	s.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	43	77.6	+ 0.8	104	19	55	1	35	0.47	−2.67	0.21	0	3	20	10	1	sw.	W. A. Taylor.
Calhoun	McLean	437	21	*77.9	+ 0.5	101a	19†	51a	4	39a	1.15	−2.50	1.15	0	1	18a	12a	0a	sw.	Brick Southworth.
Earlington	Hopkins	420	35	78.9	+ 1.8	106	19	53	1	42	0.59	−2.58	0.53	0	2	30	1	0	sw.	C. R. Lovell.
Greenville	Muhlenburg	519	8	*78.4	.....	105a	19	52a	24	44a	0.48	.....	0.48	0	1	26a	4a	0a	s.	W. E. Graves.
Hopkinsville	Christian	524	29	78.8	+ 0.9	104	19	52	1	44	1.74	−1.70	0.65	0	5	27	8	1	s.	B. C. Paris.
Marion	Crittenden	571	27	79.4	+ 1.3	103	20	55	2	34	T.	−2.79	T.	0	0	21	8	2	sw.	N. E. Douthit.
Mayfield	Graves	364	16	78.0	+ 0.7	102	19	50	1	37	0.46	−2.38	0.60	0	3	22	9	0	sw.	Henry S. Berry.
Owensboro	Daviess	479	28	77.0	+ 0.7	100	19	52	1	37	0.89	−2.47	0.39	0	4	26	4	1	ne.	J. W. Lilley
Paducah (near)§	McCracken	516	8	79.2	.....	104	19	55	1	44	0.10	.....	0.05	0	2	24	6	1	sw.	Frank L. Brown.
Paducah	McCracken	341	36	.....	.....	.....	.....	.....	.....	.....	0.37	−2.91	0.27	0	2	.....	.....	.....	.....	Dr. W. L. Cash.
Princeton	Caldwell	529	18	78.2	+ 0.5	104	19	54	1	36	0.56	−2.76	0.31	0	4	20	11	0	s.	Thos. L. Wetzell.
Ramsey, Lock 2‡	McLean	344	1	.....	.....	.....	.....	.....	.....	.....	1.01	.....	0.93	0	3	.....	.....	.....	.....	.....
Russellville	Logan	590	14	*77.6	− 0.1	104b	19	52a	26	43b	1.28	−1.41	0.77	0	4	28b	0b	1b	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	24	75.8	+ 1.1	100	19	50	1†	44	0.99	−2.90	0.38	0	5	26	5	0	sw.	C. E. Barret.
Bardstown	Nelson	637	28	77.0	0.0	102	19	49	1	45	0.89	−2.84	0.45	0	3	20	3	8	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	78.0	− 0.3	104	19	53	1	42	3.02	−0.50	1.20	0	4	17	10	4	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	2.09	.....	0.87	0	4	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	8	.....	.....	.....	.....	.....	.....	.....	1.17	.....	0.42	0	4	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	34	.....	.....	.....	.....	.....	.....	.....	2.85	−1.31	1.45	0	5	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	26	.....	.....	.....	.....	.....	.....	.....	5.17	+2.35	1.79	0	10	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	375	11	.....	.....	.....	.....	.....	.....	.....	0.26	−3.56	0.14	0	2	.....	.....	.....	.....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	1	77.6	.....	100	19	52	26	43	1.58	.....	0.75	0	7	23	7	1	n.	Geo. Henry Ellis.
Eubank	Pulaski	1177	31	75.2	+ 1.4	98	19	49	26	42	1.72	−2.62	0.95	0	4	2	24	5	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	33	75.8	+ 0.8	95	17†	53	25†	36	0.99	−2.69	0.54	0	5	23	1	7	s.	Sidney Wood.
Franklin	Simpson	691	30	77.4	+ 0.2	105	19	54	1†	45	0.65	−2.89	0.65	0	1	28	0	3	s.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	14	.....	.....	.....	.....	.....	.....	.....	2.25	−1.68	0.90	0	8	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	4	78.4	.....	102	19	52	1	40	3.42	.....	1.50	0	5	30	0	1	s.	Dr. Fidella Edwards.
Grant, Dam 38	Boone	506	0	.....	.....	.....	.....	.....	.....	.....	3.23	.....	0.79	0	8	.....	.....	.....	.....	W. L. Patchell.
Greensburg	Green	581	32	74.7	− 0.6	96	19	48	26	44	1.42	−2.48	0.65	0	4	13	3	15	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	23	.....	.....	.....	.....	.....	.....	.....	1.02	−3.03	0.32	0	6	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	27	77.3	+ 1.3	100	19	54	1	32	0.61	−2.99	0.47	0	3	26	5	0	sw.	W. J. Piggott.
Junction City	Boyle	985	31	77.8	+ 3.3	103	19	47	26	51	1.02	−2.53	0.29	0	7	19	9	3	sw.	William E. Grubbs.
Leitchfield	Grayson	635	29	77.3	+ 1.9	100	19	54	1†	38	1.88	−1.79	1.08	0	4	16	15	0	s.	H. H. Willis.
Lexington	Fayette	989	37	76.2	+ 1.7	95	17	54	1	25	1.15	−2.42	0.48	0	7	15	14	2	ne.	U. S. Weather Bureau.
Littlefickman, Lock 5‡	Jessamine	523	14	.....	.....	.....	.....	.....	.....	.....	0.51	−4.44	0.34	0	2	.....	.....	.....	.....	Horace Cauter.
Lockport, Lock 2	Henry	436	15	.....	.....	.....	.....	.....	.....	.....	2.72	−1.44	1.03	0	6	.....	.....	.....	.....	Andrew J. Keenan.
LOUISVILLE	Jefferson	525	52	77.8	+ 0.8	99	19	58	1	31	0.89	−2.62	0.28	0	5	18	11	2	ne.	U. S. Weather Bureau.
Do. (Cherokee Park).	Do.	534	15	75.2	+ 0.5	95	19	55	1†	31	1.24	−2.72	0.63	0	5	19	10	2	ne.	Wm. I. Hunt.
Munfordville	Hart	570	0	.....	.....	.....	.....	.....	.....	.....	1.77	.....	0.70	0	6	.....	.....	.....	.....	W. F. Nichols.
St. John	Hardin	777	29	76.2	+ 1.3	101	19	49	1	42	1.35	−2.50	1.30	0	2	29	2	0	.....	Sisters of Loretto.
Salvisa, Lock 6‡	Mercer	490	11	.....	.....	.....	.....	.....	.....	.....	1.99	−1.49	0.80	0	7	.....	.....	.....	.....	Ernest M. Scurry.
Scott¶	Kenton	900	27	73.2	− 1.9	91	19†	53	22†	32	2.99	−0.55	1.14	0	7	15	14	2	w.	E. B. Wilson.
Shelbyville	Shelby	825	36	75.8	+ 0.3	98	19	53	1†	37	0.65	−2.71	0.27	0	5	15	4	12	n.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	23	74.6	+ 0.3	97	19	50	25†	40	0.40	−3.47	0.20	0	4	27	2	2	n.	E. D. Bourne.
Tyrone, Lock 5‡	Anderson	476	7	.....	.....	.....	.....	.....	.....	.....	0.74	.....	0.38	0	3	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	22	74.2	0.0	91	17†	53	22†	30	3.29	−0.90	1.03	0	9	18	11	2	w.	Mrs. E. S. Humlong.
Woodbury, Lock 4‡	Butler	533	8	.....	.....	.....	.....	.....	.....	.....	0.41	.....	0.13	0	6	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	8	*76.1	.....	97	30	55j	1†	33j	1.27	.....	0.50	0	5	20	0	11	sw.	W. B. Shaw.
Beattyville	Lee	650	21	75.4	+ 0.3	99	19	48	26	47	1.37	−3.11	0.68	0	6	8	9	14	e.	Mrs. Sabina E. Hall.
Berea	Madison	1050	23	75.0	+ 0.6	95	28	49	26	42	1.89	−2.69	0.66	0	8	16	12	3	n.	Frank Montgomery.
College Hill, Lock 11	Madison	576	15	.....	.....	.....	.....	.....	.....	.....	1.90	−2.46	0.65	0	7	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	684	7	.....	.....	.....	.....	.....	.....	.....	0.47	.....	0.16	0	5	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	36	.....	.....	.....	.....	.....	.....	.....	3.36	−0.17	1.48	0	7	22	1	8	se.	J. V. Oldham.
Farmers	Rowan	668	19	*73.0	− 1.1	98a	31	41a	26	49a	2.95	−1.47	1.30	0	8	12	17	2	ne.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	.....	0	.....	.....	.....	.....	.....	.....	.....	1.88	.....	0.94	0	4	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10‡	Clark	559	9	.....	.....	.....	.....	.....	.....	.....	1.62	.....	0.51	0	5	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	0	.....	.....	.....	.....	.....	.....	.....	1.11	.....	0.48	0	4	.....	.....	.....	.....	Col. Frank Powers.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	.....	24b	1b	4b	.....	Mrs. Agnes Farley.
Hazard	Perry	.....	0	.....	.....	.....	.....	.....	.....	.....	1.50	.....	1.32	0	2	.....	.....	.....	.....	Chas. A. Ihrig.
Heidelberg, Lock 14	Lee	629	8	.....	.....	.....	.....	.....	.....	.....	1.90	.....	0.92	0	7	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	0	73.8	.....	98	19†	47	24†	43	1.37	.....	1.10	0	5	22	8	1	sw.	John S. Lone.
Jenkins	Letcher	1527	0	.....	.....	.....	.....	.....	.....	.....	0.91	.....	0.43	0	3	.....	.....	.....	.....	R. R Davidson.
Louisa	Lawrence	584	21	.....	.....	.....	.....	.....	.....	.....	2.68	−1.86	0.68	0	4	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	28	74.1	− 1.6	95	29	51	23†	41	2.33	−1.65	0.95	0	8	17	11	3	s.	Perry E. Bennett
Middlesboro	Bell	1128	29	.....	.....	.....	.....	.....	.....	.....	1.16	−3.10	0.46	0	5	23	6	2	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	35	74.2	+ 0.1	95	19†	50	26	40	1.36	−2.61	0.60	0	5	26	4	1	w.	W. R. McKee.
Oliver, Dam 30	Greenup	543	5	.....	.....	.....	.....	.....	.....	.....	0.91	.....	0.65	0	2	.....	.....	.....	.....	M. W. Kinner.
Oneonta, Dam 35	Campbell	443	3	.....	.....	.....	.....	.....	.....	.....	3.15	.....	0.81	0	10	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	634	19	.....	.....	.....	.....	.....	.....	.....	0.94	−3.13	0.82	0	3	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	0	.....	.....	.....	.....	.....	.....	.....	1.84	.....	0.98	0	5	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breath it	732	0	75.4	.....	99	17	48	1	43	1.90	.....	1.50	0	3	.....	.....	.....	.....	R. W. Jones.
Rosenna, Lock 12	Estill	593	7	.....	.....	.....	.....	.....	.....	.....	0.97	.....	0.45	0	3	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	34	76.2	+ 0.7	99	19	52	1	37	1.80	−1.80	0.59	0	8	22	4	5	.....	J. W. Crooke
Sergent	Letcher	1235	2	74.0	.....	97	13†	46	25	42	1.30	.....	0.70	0	4	18	10	3	sw.	Mary Rockwell.
Valley View, Lock 9	Madison	541	12	.....	.....	.....	.....	.....	.....	.....	1.97	−2.69	0.67	0	6	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	10	.....	.....	.....	.....	.....	.....	.....	2.10	−2.14	1.03	0	7	.....	.....	.....	.....	Samuel Johnson.
Weaylond	Floyd	700	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	B. F. Mason.
Whitesburg	Letcher	1162	0	.....	.....	.....	.....	.....	.....	.....	0.92	.....	0.35	0	7	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	930	28	75.7	− 0.3	101	13	47	26	45	1.44	−3.22	0.66	0	5	25	4	2	.....	Lawrence R. Uhl.
Willow Lock 13	Lee	611	6	.....	.....	.....	.....	.....	.....	.....	0.91	.....	0.42	0	4	.....	.....	.....	.....	Shelby Angel.
State averages and extremes				76.5	.....	106	19	44	26	51	1.47	.....	1.79	0	5	21	7	3	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record; but all complete reports are used in determining section or division means.
‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. † Received too late to be included in means and summaries. T. Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.
¶Post-office addresses—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

and 5.17 inches at Carrollton the heaviest monthly amounts reported. Thunderstorms occurred on 14 days, mainly in the first two decades.

MISCELLANEOUS.

Damage by wind: 19th, to trees, wire systems, and windows in Louisville and Jefferson County.

Hail: 3d, destroyed about 300 acres of tobacco and damaged

Daily Precipitation for August, 1925

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam§.....G																																
Blandville.....M							T.	T.			.21	.10	T.							.05												0.36
Calhoun.....G		1.15					T.	T.	T.			T.						T.		.16	T.											6.42
Earlington§.....G								.06													T.											1.13
Greenville.....G																					.53											6.59
Hopkinsville§.....C			.22																		.48											0.48
Marion.....O				T.				T.	.11			.64									.65											1.74
Mayfield.....M							.20				.60		T.					T.													T.	T.
Owensboro§.....O			.10					T.	.05			.35	.39							T.	.15										T.	0.93
Paducah (near) ¶.....O								.05													T.											0.89
Paducah ‖.....O								.27				.10									.05											0.10
Princeton.....G								.03													T.											0.37
Ramsey, Lock No. 2 ‖.....G			.93					.03	.06			.06	T.					T.		.16											.31	6.76
Russellville‖.....G			.09						.36			.03									.77											1.01
Central Division																																1.25
Anchorage.....O																																
Bardstown§.....S				.23				.22			.24		.38					.03		.12												0.99
Bowling Green ‖.....G			.03					T.	.73			.21	.45																			0.89
Bowling Green, No. 2‖.....G								.13	.31			1.20									1.06											3.02
Brownsville, Lock No. 6‖.....G			T.						.16			.78									.87											2.09
Burnside‖.....C				.06					1.15			.42							.32		.27											1.17
Carrollton ‖ (Lock No. 1).....K	.04	T.	.05					.70	.88					.04					.15		1.45											2.85
Cloverport‖.....O				.11				T.	T.			.44	1.79	.05					.06	.56	.60											5.17
Dix Dam, Burgin.....K								.75			.03	.12	.14							T.												0.26
Eubank ‖.....C				.63					.50			.08	.06					.01			.02											1.58
Frankfort‖.....K				.11								.16									.95											1.72
Franklin.....G						.05		.06				.31	.54																			0.99
Gest, Lock No. 3 ‖.....K			.18																	.03	T.											0.65
Glasgow.....G								.52	.04			.44	.90						.03	.04	.10											2.25
Grant, Dam 38‖.....O	T.	T.		.03		T.		1.10			.25							.55		.22	1.30											3.42
Greensburg§.....G								.69	.24	T.	T.	.79	.70	T.					.07	.25	.46											3.23
High Bridge, Lock No. 7‖.....K				.32	.13				.34			T.	.65	.04							.39											1.42
Irvington.....O								T.				.12	.20						.05		.20											1.02
Junction City.....K				.29	T.			.08			.20	.12	.28					.02		T.												0.61
Leitchfield.....G	T.								.07	.10	1.08	.63									.03											1.02
Lexington ***.....K	.20	T.						.08			T.	.37	.11					.06	.04	.23	T.									T.		1.88
Little Hickman, Lock No. 8 ‖.....K			T.						.17				.34						T.		T.											1.15
Lockport, Lock No. 2‖.....K	.06				.69	.26		T.	.52	1.03					T.			.26	T.													0.51
Louisville*.....O				.08			.21			.27		.28						T.	.05	T.													2.72
Do. (Cherokee Park).....O			.63				.18			.10		.23																				0.89
Munfordville ‖.....G				.40					.70			.14	.01	.29						.10												1.24
St. John§.....S												1.30	.05								.23											1.77
Salvisa, Lock No 6 ‖.....K				.80							.40	.24									.09											1.35
Scott.....L			.16					1.14			.02	.48	.55					.12	.15	.18													1.99
Shelbyville§.....S			.06					.15				.15	.27					T.		.56	.08												2.99
Taylorsville.....S			.12					T.	.20		.06	T.	.02								.02											0.65
Tyrone, Lock No. 5 ‖.....K								.38			.18	.18							T.													0.40
Williamstown§.....L			.07	.08		.01		.52	.42			.20	1.03								.75	.21										0.74
Woodbury, Lock No. 4‖.....G			.02						.02			.10		.05								.09							.18			3.29
Eastern Division																																0.41
Ashland ‖.....O												.50							.47	.05	.15											
Beattyville‖.....K			.10				.10		.08			.11	.36						.04		.68											1.27
Berea.....K		.66	T.					.38	.18		.02	.07	.15					.12			.31											1.37
College Hill, Lock No. 11‖.....K			.15	T.					.55			T.	.40	.30					.20	.05	.25											1.89
Cynthiana ‖.....L	.04						.04	.16				.15							T.	.08												1.90
Falmouth‖.....L			.01					.65	.82			.10	1.48							.56	.24											0.47
Farmers ‖.....L			.40					T.	.33			1.30	.45	.10					.18	.18	.06											3.36
Flemingsburg‖.....L	.30																															2.95
Ford, Lock No. 10 ‖.....K								.44					.94							.20												1.88
Grayson‖.....O			.40					T.	.39			T.	.51	T.					.05	T.	.27											1.62
Harlan.....K			.02		.10				.16			.17	.48							.12	.06											1.11
Hazard ‖.....K	T.		T.					T.				T.						T.														
Heidelberg, Lock No. 14‖.....K			.09						.18			T.	T.	T.							1.32	T.								.11		1.50
Hindman.....K									.34				.29	.21					.02	.03	.92											1.90
Jenkins‖.....K							.01					.01								.23	1.10											1.37
Louisa‖.....B										.43			.10					.02			.38											0.91
Maysville‖.....O					.42							.68	.48								.45											2.03
Middlesboro.....C		.10			T.			.12	.55		.08	.11	.95	.02					T.	.11	.39											2.33
Mount Sterling §.....L			.05	T.			T.	.14										.46		.18	.28											1.16
Oliver, Dam 30 ‖.....O												.36	.60	.01							.31											1.36
Oneonta Dam 35 ‖.....O	.18				.25			.51	.81		.08	.17	.51	.06						.17	.41											0.91
Pikeville.....B					.06								T.	.06							.82											3.15
Prestonsburg.....B			.05									.18	.22	.41							.98											0.94
Quicksand ‖.....K													.30								1.50											1.84
Ravenna, Lock No. 12.....K			.30	T.			T.	.45			T.	.22	T.	.10					T.	T.												1.90
Richmond§.....K			.59					.42			.02	.20	.12					T.		.02	.87	.06											0.97
Sergent.....K			.15	.70				.30										.02			.15											1.80
Valley View, Lock No. 9‖.....K				.67			.28				.24	.19								.29	.30											1.30
Vanceburg, Dam No. 32 ‖.....O			.12				.07	.27			.16	1.03								.30	.15											1.97
Wayland‖.....B																																2.10
Whitesburg‖.....K			.09							.10	T.	T.	.30	.02				.04	.09		.35											0.92
Williamsburg‖.....C			.20	.09				.35											.14		.66											1.44
Willow, Lock No. 13.....K								.42				.21							.07	.21												0.91

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak. §Precipitation measured at 7 a. m. beginning April 16th.

corn in the same area to the extent of more than half of the crop, in Clark, Fayette, and Bourbon Counties, estimated loss $125,000; 5th, damaged crops in the vicinity of Williamstown, 21st, damaged about 450 acres of tobacco to the extent of 25 per cent around Hopkinsville, estimated loss $25,000; 25th, tobacco destroyed and corn damaged near Columbia, loss probably $5,000.

Rivers:—All streams remained low. Some tributaries of the Licking, Big Sandy, Kentucky, and Cumberland, in the eastern Kentucky mountains reached the lowest stages ever recorded.

Daily Temperatures for August, 1925.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	84	90	89	90	92	95	99	95	95	99	100	103	100	94	97	98	101	100	105	98	87	89	96	97	97	98	97	98	102	99	101	96.3
	Minimum	51	51	58	55	57	57	59	65	66	64	70	70	73	66	60	60	62	69	68	70	63	56	60	52	61	66	68	65	60	64	65	60.9
	Mean	78	86	86	88	89	91	93	86	86	92	91	96	88	89	90	88	99	96	98	95	82	84	91	91	91	92	94	95	94	90	95	90.4
Blandville	Maximum	77	78	..	88	91	90	92	93	92	98	98	99	99	90	92	96	96	97	101	70	70	70	85	88	87	95	95	97	98	101	95	100	94.5
	Minimum	54	56	..	61	58	61	62	73	68	66	73	71	72	66	61	57	65	70	70	98	85	88	87	95	96	97	98	101	95	100	94	*92.8
	Mean	82	85	88	90	93	93	96	91	94	98	97	100	97	93	96	95	101	97	106	98	87	89	94	97	97	98	98	98	97	98	101	*63.0
Calhoun	Maximum	83	..	..	89	92	94	95	99	97	96	102	98	103	99	94	96	97	102	100	105	98	87	89	96	97	98	98	97	102	99	101	96.3
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	70	68	54	56	52	56	53	55	68	65	66	64	*59.9
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	70	68	54	56	52	56	53	55	68	65	66	64	*59.9
Earlington	Maximum	83	..	..	89	92	94	95	99	97	96	102	98	103	99	94	96	97	102	100	105	98	87	89	96	97	98	98	97	102	99	101	96.3
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	70	68	54	56	52	56	53	55	68	65	66	64	*59.9
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	70	68	54	56	52	56	53	55	68	65	66	64	*59.9
Greenville	Maximum	85	84	90	93	95	97	99	89	91	97	96	98	94	92	95	97	102	100	104	101	87	88	94	95	96	99	101	101	100	100	101	95.4
	Minimum	52	55	56	57	58	57	60	68	69	65	69	68	75	69	61	61	64	69	68	70	62	57	60	58	58	58	56	55	56	56	56	62.2
	Mean	81	81	83	85	88	91	95	90	91	95	92	93	91	92	93	94	99	98	103	103	93	93	93	93	95	95	96	98	98	98	98	92.4
Hopkinsville	Maximum	82	83	86	88	91	93	95	95	96	96	96	98	98	94	96	98	101	99	104	99	84	85	91	93	93	95	95	96	99	98	98	94.6
	Minimum	52	53	56	57	58	57	60	68	69	65	69	68	75	69	61	61	64	69	68	70	62	57	60	59	58	58	56	55	56	56	56	62.6
	Mean	81	81	83	85	88	91	95	90	91	95	92	93	91	92	93	94	99	98	103	103	93	93	93	93	95	95	96	98	98	98	98	93.8
Marion	Maximum	83	84	90	93	95	97	99	89	91	97	96	98	94	92	95	97	102	100	104	101	87	88	94	95	96	99	101	101	100	100	101	95.4
	Minimum	52	53	56	57	58	57	60	68	69	65	69	68	75	69	61	61	64	69	68	70	62	57	60	58	58	58	56	55	56	56	56	62.2
	Mean	81	81	83	85	88	91	95	90	91	95	92	93	91	92	93	94	99	98	103	103	93	93	93	93	95	95	96	98	98	98	98	92.4
Mayfield	Maximum	80	85	90	90	91	94	96	90	90	96	92	99	98	94	96	98	101	99	104	99	84	85	91	93	93	95	95	96	99	98	98	94.6
	Minimum	55	60	57	58	59	60	62	61	72	72	68	73	70	74	68	61	65	68	75	70	74	60	61	57	60	59	58	56	56	62	72	64.5
	Mean	80	88	87	88	90	91	94	96	92	95	92	99	94	92	94	90	98	94	104	99	84	85	91	93	93	95	95	96	98	98	98	92.4
Owensboro	Maximum	84	85	90	90	91	94	96	90	90	96	92	99	98	94	96	98	101	99	104	99	84	85	91	93	93	95	95	96	99	98	98	94.6
	Minimum	55	60	57	58	59	60	62	61	72	72	68	73	70	74	68	61	65	68	75	70	74	60	61	57	60	59	58	56	56	62	72	64.5
	Mean	80	88	87	88	90	91	94	96	92	95	92	99	94	92	94	90	98	94	104	99	84	85	91	93	93	95	95	96	98	98	98	92.4
Paducah (near)	Maximum	85	84	90	93	95	97	99	89	91	97	96	98	94	92	95	97	102	100	104	101	87	88	94	95	96	99	101	101	100	100	101	95.4
	Minimum	52	53	56	57	58	57	60	68	69	65	69	68	75	69	61	61	64	69	68	70	62	57	60	58	58	58	56	55	56	56	56	62.2
	Mean	81	81	83	85	88	91	95	90	91	95	92	93	91	92	93	94	99	98	103	103	93	93	93	93	95	95	96	98	98	98	98	92.4
Princeton	Maximum	80	88	87	88	90	91	94	96	92	95	92	99	94	92	94	90	98	94	104	99	84	85	91	93	93	95	95	96	99	98	98	94.6
	Minimum	54	57	57	58	59	60	60	71	71	67	70	69	75	70	65	63	65	69	70	71	62	58	60	58	58	58	56	55	56	56	56	64.1
	Mean	82	88	89	93	92	95	97	88	90	91	95	98	94	93	96	98	90	98	104	99	84	85	91	93	93	95	95	96	98	98	98	*98.2
Russellville§§	Maximum	83	83	86	86	87	87	89	91	93	89	92	95	93	94	90	88	90	97	97	92	100	87	82	85	91	90	91	94	89	93	99	95	97	91.1
	Minimum	53	53	56	56	57	57	59	73	68	67	70	69	76	69	63	61	63	70	69	70	65	56	58	56	56	57	52	55	56	56	56	*62.1
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central Division.																																	
Anchorage	Maximum	82	85	87	87	89	91	93	89	92	95	93	94	90	88	90	97	97	92	100	87	82	85	91	90	91	94	89	93	99	95	97	91.1
	Minimum	50	52	57	55	59	59	66	68	61	64	70	68	67	62	58	61	64	68	68	66	60	53	59	55	50	57	57	57	57	61	68	64	60.5
	Mean	81	85	89	90	91	93	95	88	94	100	97	95	93	91	93	99	98	96	102	93	84	85	94	93	95	96	93	97	100	99	99	93.5
Bardstown	Maximum	81	87	87	89	90	94	93	88	91	95	93	100	93	90	95	96	98	96	102	93	84	85	94	93	95	96	93	97	100	99	99	93.1
	Minimum	49	52	59	56	60	59	60	70	67	63	68	70	68	63	61	61	65	66	69	68	71	64	55	55	57	57	55	58	55	56	56	62.5
	Mean	81	87	87	89	90	94	93	88	91	95	93	100	93	90	95	96	98	96	104	99	84	85	94	93	95	96	93	97	100	99	99	93.1
Bowling Green	Maximum	83	84	87	88	89	90	94	93	88	91	95	93	100	93	90	95	96	94	98	96	104	99	84	86	88	89	94	97	96	98	101	96	101	62.8
	Minimum	53	54	57	56	59	59	61	69	69	66	70	67	73	69	65	64	65	69	68	71	64	55	55	57	57	55	58	55	56	57	57	62.5
	Mean	81	87	87	88	89	90	94	93	88	91	95	93	100	93	90	95	96	94	98	96	104	99	84	86	88	89	94	97	96	98	101	96	101	62.8
Dix Dam	Maximum	81	87	88	89	90	91	96	89	92	97	96	92	94	90	92	98	98	94	100	97	89	86	90	91	92	93	93	96	99	98	98	95	98	62.5
	Minimum	55	55	59	58	60	60	61	69	70	64	70	70	68	67	64	62	63	68	68	70	68	65	57	54	57	53	52	56	62	69	66	66	66	62.5
	Mean	80	84	86	85	88	89	93	93	91	94	94	96	96	93	96	98	94	96	95	98	95	92	86	86	89	89	89	89	94	94	92	95	90	64.1
Eubank	Maximum	80	84	86	85	88	89	93	93	91	94	94	96	96	90	90	94	96	95	98	95	92	87	84	87	89	91	93	96	98	95	99	94	97	63.9
	Minimum	50	51	57	54	58	55	57	64	68	60	64	66	68	68	68	61	62	68	67	64	69	64	57	54	51	49	53	61	62	61	62	59	59	59.0
	Mean	78	83	85	85	85	89	93	89	88	94	93	91	91	89	88	92	93	90	93	95	90	86	80	86	89	89	89	94	94	92	93	93	93	61.7
Frankfort	Maximum	83	84	86	86	87	89	91	93	89	88	94	93	91	89	88	92	93	90	93	95	90	86	80	86	89	89	89	94	94	92	93	93	93	61.7
	Minimum	56	56	61	58	61	60	62	69	68	65	70	70	69	66	62	61	65	69	70	70	64	56	54	56	53	53	59	64	64	67	67	67	67	62.7
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Franklin	Maximum	84	86	90	91	90	94	94	90	95	99	92	92	98	94	97	100	101	98	102	100	80	86	90	90	91	92	96	97	92	91	96	93	96	63.0
	Minimum	54	56	59	57	60	54	60	63	69	68	65	61	68	68	62	62	59	69	68	70	63	56	58	59	56	56	59	65	68	68	66	68	68	63.0
	Mean	80	90	92	96	98	97	99	83	93	96	98	99	94	97	100	101	98	102	100	85	86	90	90	91	92	96	97	92	91	96	93	89.9
Glasgow	Maximum	82	83	86	86	89	88	91	94	82	88	85	92	94	95	93	86	90	93	95	94	96	93	80	84	86	89	90	92	94	94	92	91	92	59.5
	Minimum	79	86	85	89	88	91	94	82	88	85	92	94	95	93	86	90	93	95	94	96	93	80	84	86	89	90	92	94	94	92	91	92	92	59.5
	Mean	80	84	85	87	88	89	92	88	85	86	88	93	94	94	89	88	91	94	94	95	94	86	82	85	88	89	91	93	94	93	91	91	92	59.5
Greensburg	Maximum	80	85	85	88	88	91	93	90	90	95	92	95	90	87	89	95	97	94	100	91	81	84	90	91	91	91	92	96	98	95	96	93	95	60.9
	Minimum	54	56	59	60	62	61	76	66	66	74	71	70	66	63	64	67	73	70	69	68	63	56	58	60	60	59	59	62	67	71	68	64.0
	Mean	80	85	85	88	88	91	93	90	90	95	92	95	90	87	89	95	97	94	100	91	81	84	90	91	91	91	92	96	98	95	96	93	95	62.9
Irvington	Maximum	84	86	90	91	90	94	94	90	95	99	92	92	98	94	97	100	103	98	101	98	91	93	94	94	96	98	100	100	96	98	100	96	98	64.0
	Minimum	54	56	59	57	60	54	60	63	69	68	65	61	68	68	62	62	59	69	68	70	63	56	58	60	60	59	59	62	67	71	68	64.0	62	60.9
	Mean	80	85	85	88	88	91	93	90	90	95	92	95	90	87	89	95	97	94	100	91	81	84	90	91	91	91	92	96	98	100	100	96	98	62.9
Junction City	Maximum	84	86	90	91	90	94	94	90	95	99	92	92	98	94	97	100	101	98	102	100	80	86	90	90	91	92	96	97	92	91	96	93	96	63.0
	Minimum	55	58	59	56	59	57	63	57	60	70	64	68	64	65	67	67	73	70	69	68	63	56	58	59	56	56	59	65	68	68	66	68	68	63.0
	Mean	80	85	87	89	89	92	95	90	92	97	92	95	91	87	90	94	96	98	100	91	82	85	92	92	92	94	96	97	92	91	96	93	96	63.0
Leitchfield	Maximum	83	84	86	86	87	89	92	90	90	95	92	97	92	90	93	97	98	95	98	98	85	87	90	91	92	93	95	98	95	96	97	95	97	63.2
	Minimum	56	55	56	55	59	60	61	74	68	66	71	70	70	68	63	63	66	71	69	72	68	54	56	59	63	62	65	65	63	71	70	75	73	63.2
	Mean	80	85	87	89	89	92	95	90	92	97	92	95	91	87	88	94	93	95	98	95	88	85	90	91	92	93	95	98	95	96	97	95	97	63.2
Lexington	Maximum	76	81	82	84	84	86	90	79	86	92	90	87	88	84	84	93	95	93	95	98	85	89	91	85	75	76	82	82	85	87	88	87	88	66.3
	Minimum	54	62	63	60	63	69	72	68	67	72	70	70	67	67	68	70	73	72	72	66	61	56	59	63	62	65	65	63	71	70	75	73	75	66.3
	Mean	80	84	85	85	86	89	91	87	91	97	90	94	89	87	87	94	95	93	99	94	77	82	86	86	88	89	84	90	97	92	93	93	94	66.3
Louisville	Maximum	88	84	85	85	86	89	91	87	91	97	90	94	89	87	87	94	95	93	99	94	77	82	86	86	88	89	84	90	97	92	93	93	94	66.8
	Minimum	58	60	63	62	64	66	69	71	70	71	71	71	71	69	69	67	68	70	76	68	68	63	61	61	64	62	63	66	62	69	75	74	74	66.8
	Mean	76	80	82	83	83	84	88	86	86	90	88	92	92	87	85	90	90	91	95	93	77	82	86	86	88	89	84	90	97	92	93	93	94	66.8
Louisville	Maximum	76	80	82	83	83	84	88	86	86	90	88	92	92	87	85	90	90	91	95	93	77	82	86	86	88	89	84	90	97	92	93	93	94	66.8
Do (Cherokee Park)	Minimum	55	55	59	58	60	63	63	70	66	67	73	70	68	67	62	63	65	72	70	68	62	57	56	58	58	58	56	62	60	65	71	67	68	63.5
	Mean	82	87	84	84	87	90	91	84	89	99	86	99	93	90	90	97	99	96	101	91	82	86	92	92	95	98	95	100	95	98	89	91	91	65.5
St. John	Maximum	82	87	84	84	87	90	91	84	89	99	86	99	93	90	90	97	99	96	101	91	82	86	92	92	95	98	95	100	95	98	89	91	91	65.5
	Minimum	76	78	79	82	82	86	86	88	83	86	86	83	83	83	88	85	89	91	85	75	76	82	82	82	85	87	83	85	88	87	88	87	88	63.6
	Mean	79	83	82	83	85	88	89	86	86	93	86	91	88	87	89	91	94	94	93	83	79	84	87	87	90	93	89	93	92	93	89	89	90	64.6
Scott	Maximum	76	78	79	82	82	86	86	88	83	86	86	83	83	83	88	85	89	91	85	75	76	82	82	82	85	87	83	85	88	87	88	87	88	63.6
	Minimum	56	56	61	59	61	68	62	66	64	68	68	70	67	64	60	59	63	68	70	68	61	63	68	69	70	72	67	71	67	74	64	67	66	64.8
	Mean	82	84	86	87	88	90	92	85	90	95	93	92	90	87	88	94	97	92	87	83	83	88	89	90	92	87	91	97	94	94	94	89	89	64.8
Shelbyville	Maximum	82	84	86	87	88	90	92	85	90	95	93	92	90	87	88	94	97	92	87	83	83	88	89	90	92	87	91	97	94	94	94	89	89	64.8
	Minimum	53	54	60	56	60	60	63	68	60	66	71	69	67	65	61	62	64	69	68	68	62	52	51	62	60	60	54	63	61	64	67	66	61.7	
	Mean	70	80	82	84	86	88	91	84	87	93	90	89	89	86	89	85	80	92	95	92	97	87	77	81	87	86	88	90	96	91	90	89	85.4	
Taylorsville	Maximum	83	84	86	86	87	89	91	84	87	93	90	89	89	86	89	85	80	92	95	92	97	87	77	81	87	86	88	90	96	91	90	89	85.4	
	Minimum	53	52	61	56	58	60	60	63	68	60	66	71	69	67	63	61	62	64	69	68	63	52	51	62	60	60	54	63	61	64	67	66	61.7	
	Mean	68	78	81	81	84	85	87	90	81	86	89	86	89	87	83	85	89	91	89	91	87	75	78	78	83	85	88	85	90	89	85	85	85.4	
Williamstown	Maximum	78	81	81	84	85	87	90	81	86	89	86	89	87	83	85	89	91	89	91	87	75	78	78	83	85	88	83	85	88	87	85	85	85.4	
	Minimum	56	60	60	56	61	62	65	67	63	67	72	69	66	64	63	64	65	71	71	68	61	53	53	57	55	61	66	60	63	70	68	63.1		
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Eastern Division.																																	
Ashland	Maximum	75	84	84	84	83	87	93	86	87	94	90	90	93	87	89	94	94	94	95	95	94	81	86	85	88	90	90	90	94	97	94	89.3		
	Minimum	55	58	60	56	60	57	60	66	66	67	69	70	67	63	63	61	63	68	68	70	..	..	..	..	..	..	..	..	..	..	..	62	62	62.9
	Mean	81	86	88	88	89	91	96	90	91	95	97	93	91	91	95	97	93	96	98	99	94	85	86	85	88	90	92	93	95	93	96	92	92	62.9
Beattyville	Maximum	50	52	55	56	58	54	64	62	62	64	68	69	62	62	58	59	62	64	68	69	62	58	57	57	54	56	56	58	57	58	57	59	58	*55.7
	Minimum	76	81	84	83	83	86	92	83	86	90	91	92	93	84	87	92	94	89	94	88	71	69	66	64	53	54	56	60	53	49	55	59	71	67	62.1
	Mean	63	67	70	70	71	70	78	73	74	77	80	81	78	73	73	76	78	77	81	79	67	64	62	61	54	55	56	59	55	54	56	59	65	61	*58.9
Berea	Maximum	55	56	59	57	61	59	61	69	69	69	69	67	69	67	68	69	70	69	69	69	67	65	67	63	60	62	49	51	55	58	60	64	66	61.7
	Minimum	53	53	57	56	58	58	60	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68.0
	Mean	54	55	58	57	60	59	61	69	69	69	69	68	69	68	68	69	69	69	69	69	68	67	68	66	64	65	59	60	62	63	64	66	67	64.9
Farmers	Maximum	80	85	87	87	89	91	94	80	90	95	94	89	92	88	90	94	95	90	96	91	83	86	89	90	92	87	91	97	94	94	96	91	93	64.9
	Minimum	47	47	50	53	56	53	53	60	64	58	61	64	65	62	58	55	55	60	66	62	68	61	46	..	46	45	44	60	55	57	59	58	*55.0	
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Harlan	Maximum	50	52	52	57	59	55	55	59	60	61	67	65	70	65	57	58	61	61	65	64	63	60	62	49	52	46	49	51	65	66	64	58.4		
	Minimum	78	86	87	85	87	91	93	92	90	97	95	96	97	88	91	96	98	92	98	98	80	84	87	86	87

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXX LOUISVILLE, KY., SEPTEMBER, 1925. No. 9.

GENERAL SUMMARY.

Decidedly warm weather prevailed during most of the month, and in the first decade drought conditions became much worse. For the first twenty days the temperature averaged practically the same as in very warm Julys, and exceeded any previous records for this period in September. The intense heat and persistent drought caused further deterioration in late crops, prevented fall plowing and seeding, and greatly increased the hardships and suffering incident to the shortage of water. Heavy rains reached some localities in the western counties near the middle of the month, but precipitation was light to moderate in other sections. Rains that occurred later in the month were also much heavier in the northern and western districts, diminishing in amount toward the south and east. The showers temporarily relieved the water shortage and softened the soil enough to permit of the resumption of plowing. Rapid evaporation, induced by the intense heat, minimized the effect of the rains and kept the soil too dry to pulverize into a satisfactory seed bed. During the last two weeks moisture gradually accumulated in the upper layers, and finally became sufficient to bring up the rye that had been sown for pasture and cover crops. Late corn was already badly "fired" or had failed to fertilize on account of the drought, hence it was not benefited to any extent. Late tobacco "fired" to the top of the plants and farmers, despairing of further growth, cut most of it in this undeveloped condition. Tobacco remaining in the field was too small and green to offer hope of any yield of consequence. Some of the earliest fields of late potatoes were helped by the rains, but most of the crop had been so stunted by the drought as to be hopelessly late. In general alfalfa failed to make a fourth crop. The barren pastures rendered feeding necessary throughout the month, much of the late corn that could not be utilized in silos being used for that purpose. In limited areas near the Mississippi and lower Ohio rivers, small streams began to flow; but in other districts the usual sources of stock water were not replenished. The ripening of cotton was so hastened by the heat that picking was well under way by the end of the month.

TEMPERATURE.

The average temperature for the State, 43 stations reporting, was 77.2°; which is 6.9° above normal, and by a considerable margin the highest on record for this month. It is noteworthy that this average is slightly higher than the normal mean temperature in this State for July. From the 1st to 13th maximum temperatures ranged between 90° and 110°; while in the period of greatest heat, from the 3d to 9th, maxima of 100° or higher were recorded daily at most stations. Some stations also reported 100° or higher on the 18th and 19th. With the exception of a few days in the last decade, temperatures averaged continuously above normal. The highest reported was 110° at Beaver Dam on the 6th, and the lowest 45° at Farmers on the 30th.

PRECIPITATION.

The average precipitation, 2.83 inches, as determined from the reports of 80 stations, is practically normal; but poorly represents the marked irregularity in areal distribution. In the eastern counties, monthly amounts ranged between 1.0 and 2.0 inches at most stations, and in much of the central district they were only slightly higher. The extreme western counties received from 4.0 to 6.0 inches, the heaviest rains occurring near the Mississippi and lower Ohio rivers. Rain occurred

PRESSURE AND WIND.

Stations.	Atmospheric Pressure, (in inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.97	30.32	28	29.76	4	4316	6.0	33	W.	4
Cincinnati ..... Ohio	30.01	30.35	28	29.76	29	4167	5.8	26	nw.	18
Evansville ..... Ind.	30.00	30.34	28	29.77	9	6285	8.7	43	nw.	18
Lexington ..... Ky.	30.02	30.36	28	29.84	9	8044	11.2	35	sw.	29
Louisville ..... Ky.	30.02	30.38	28	29.80	9	6122	8.5	37	sw.	29

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	83	56	68	239.6	372.4	64	16	5
Cincinnati ..... Ohio.	82	54	61	237.5	373.1	64	12	5
Evansville ..... Ind.	78	52	60	241.5	372.9	65	14	5
Lexington ..... Ky.	75	56	.....	161.3	372.9	43	6	10
Louisville ..... Ky.	76	50	57	233.5	372.9	63	11	3

THE LIBRARY NOV 4

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with 0.01in or more rain.
1889	72.1	+2.1	101	36	1.23	−1.53	..
1890	67.0	−3.0	95	36	2.71	−0.05	..
1891	69.5	−0.5	97	42	1.89	−0.87	..
1892	68.5	−1.5	93	38	2.68	−0.08	..
1893	69.6	−0.4	99	35	3.24	+0.48	..
1894	71.7	+1.7	98	37	2.71	−0.05	..
1895	73.4	+3.4	101	37	1.10	−1.66	3
1896	68.6	−1.4	100	36	3.77	+1.01	7
1897	72.8	+2.8	105	31	0.21	−2.55	1
1898	73.4	+3.4	103	42	4.26	+1.60	9
1899	68.7	−1.3	105	27	1.66	−1.10	5
1900	74.6	+4.6	102	38	2.25	−0.51	6
1901	68.1	−1.9	98	33	3.57	+0.81	6
1902	67.3	−2.7	97	29	4.01	+1.25	10
1903	69.1	−0.9	100	32	0.91	−1.85	4
1904	71.1	+1.1	99	34	2.58	−0.18	8
1905	70.2	+0.2	95	36	2.61	−0.15	6
1906	73.0	+3.0	95	45	6.15	+3.39	13
1907	69.1	−0.9	102	35	3.00	+0.24	6
1908	71.6	+1.6	101	30	1.03	−1.73	3
1909	67.7	−2.3	97	32	2.51	−0.25	6
1910	71.8	+1.8	99	38	4.41	+1.65	9
1911	74.3	+4.3	99	46	3.71	+0.95	10
1912	71.0	+1.0	103	33	2.80	+0.04	7
1913	69.6	−0.4	106	29	2.49	−0.27	9
1914	67.8	−2.2	97	36	2.56	+0.20	6
1915	70.7	+0.7	99	32	3.32	+0.56	7
1916	67.2	−2.8	98	32	3.48	+0.72	6
1917	67.7	−2.3	98	34	2.56	−0.20	5
1918	82.8	+7.2	92	39	2.94	+0.18	8
1919	71.5	+1.5	102	40	1.69	−1.07	4
1920	70.8	+0.8	96	38	3.30	+0.54	9
1921	75.5	+5.5	99	45	5.37	+2.61	13
1922	72.7	+2.7	103	39	2.22	−0.54	5
1923	69.8	−0.2	94	39	2.87	+0.11	8
1924	65.3	−5.0	97	33	4.49	+1.68	10
1925	77.2	+6.9	110	45	2.83	+0.02	8

Climatological Data for September, 1925.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	21	78.9	+ 8.0	110	6	55	30	47	4.60	+1.92	1.40	0	8	18	7	5	s.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	43	77.7	+ 6.8	104	6	58	24	33	6.18	+3.08	2.77	0	12	10	8	12	sw.	E. W. Horr.
Calhoun	McLean	437	21	77.7	+ 5.7	103	6	58	23†	36	6.13	+3.35	2.35	0	10	10	12	8	sw.	W. A. Taylor.
Earlington	Hopkins	420	35	79.4	+ 8.3	108	6	58	14†	41	4.03	+1.94	0.96	0	12	22	2	6	sw.	Brick Southworth.
Farmington	Muhlenburg	519	8	*79.6	+ 8.6	109a	7	56a	30	41a	4.71	+1.90	1.11	0	11	17a	12a	0a	s.	C. R. Lovell.
Greenville	Muhlenburg	524	29	79.6	+ 7.5	108	5†	57	30	41	4.86	+1.71	1.02	0	10	12	13	5	s.	W. E. Graves.
Hopkinsville	Christian	571	27	79.0	+ 6.8	105	5†	58	23	32	4.14	+1.10	1.40	0	7	13	10	7	sw.	B. C. Faris.
Marion	Crittenden	364	16	79.8	+ 8.4	105	4†	60	14†	35	3.84	+0.75	1.00	0	8	12	14	4	sw.	N. E. Douthit.
Mayfield	Graves	479	28	77.7	+ 7.2	104	6	55	23	36	6.36	+3.43	2.77	0	9	16	3	11	s.	Henry S. Berry.
Owensboro	Daviess	516	8	79.8	+ 6.8	106	4†	60	23†	37	4.10	+0.84	1.09	0	8	17	6	7	se.	J. W. Lilley
Paducah (near)§	McCracken	341	36	.....	.....	.....	.....	.....	.....	.....	4.54	+1.60	1.25	0	8	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	529	18	78.2	+ 6.8	104	5†	59	23	36	5.41	+2.63	1.15	0	12	8	11	11	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	1	.....	.....	.....	.....	.....	.....	.....	5.91	.....	2.38	0	10	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2 ‡	McLean	590	14	*79.8	+ 8.3	108a	7	56a	14	38b	1.87	−1.13	0.44	0	9	18b	2b	8b	s.	Wm. Shelton.
Russellville	Logan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Anchorage	Jefferson	700	24	76.3	+ 7.8	105	9	53	23	41	3.10	+0.44	1.45	0	8	21	2	7	sw.	C. E. Barret.
Bardstown	Nelson	687	28	77.7	+ 6.2	106	9	53	30	39	2.57	−0.28	0.56	0	12	13	3	14	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	78.6	+ 6.9	105	7	56	30	39	2.38	−0.75	0.90	0	7	10	11	9	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	2.02	.....	0.68	0	8	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	8	.....	.....	.....	.....	.....	.....	.....	2.51	.....	0.76	0	12	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	34	.....	.....	.....	.....	.....	.....	.....	1.58	−1.96	0.62	0	6	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	26	.....	.....	.....	.....	.....	.....	.....	2.91	+0.08	0.98	0	11	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	11	.....	.....	.....	.....	.....	.....	.....	4.91	+2.30	2.28	0	9	.....	.....	.....	.....	W. A. Cockerill.
Dix Dam, Burgin	Mercer	770	1	78.0	.....	104	6	55	23†	44	2.49	.....	1.11	0	10	14	9	7	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	31	76.4	+ 7.9	102	6†	52	30	44	1.57	−1.94	0.61	0	6	5	19	6	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	33	76.6	+ 8.1	101	6	55	30	40	2.55	−0.31	0.85	0	11	14	3	13	s.	Sidney Wood.
Franklin	Simpson	691	30	79.9	+ 7.9	104	4	55	30	41	3.25	−0.11	1.70	0	7	20	5	5	s.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	14	.....	.....	.....	.....	.....	.....	.....	2.35	−0.75	0.82	0	8	.....	.....	.....	.....	Albert Parvis.
Glasgow	Barren	780	4	79.2	.....	107	7	56	30	39	2.89	.....	1.49	0	7	27	0	3	s	Dr. Fidelia Edwards.
Grant, Dam 38	Boone	506	0	.....	.....	.....	.....	.....	.....	.....	3.51	.....	1.57	0	7	.....	.....	.....	.....	W. L. Patchell.
Greensburg	Green	581	32	76.0	+ 6.4	103	6†	53	30	45	3.30	+0.24	0.95	0	11	2	3	25	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	23	.....	.....	.....	.....	.....	.....	.....	2.74	−0.23	0.79	0	11	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	27	77.8	+ 7.4	103	6	55	23	34	2.93	−0.06	0.83	0	9	16	6	8	sw.	W. J. Piggett.
Junction City	Boyle	985	31	77.6	+ 8.3	106	9	51	30	40	2.72	−0.34	1.00	0	10	14	13	3	sw.	William E. Grubbs.
Lancaster	Garrard	1032	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	635	29	78.0	+ 8.2	103	5†	55	30	37	2.36	−1.11	1.25	0	7	13	12	5	n.	H. H. Willis.
Lexington	Fayette	989	37	76.2	+ 7.7	99	9	52	23	31	1.70	−0.72	0.86	0	11	9	10	11	sw.	U. S. Weather Bureau.
Little Rickman, Lock 8	Jessamine	523	14	.....	.....	.....	.....	.....	.....	.....	1.38	−2.12	0.82	0	6	.....	.....	.....	.....	Horace Cauter.
Lockport, Lock 2	Henry	476	15	.....	.....	.....	.....	.....	.....	.....	3.35	+0.62	1.60	0	12	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	52	77.5	+ 7.0	101	9	56	23	33	2.14	−0.49	1.11	0	9	14	8	8	ne.	U. S. Weather Bureau.
Do (Cherokee Park)	Do	534	15	76.2	+ 7.3	100	6	54	23	35	2.94	−0.20	1.22	0	8	17	6	7	ne.	Wm. I. Hunt.
Munfordville	Hart	600	0	.....	.....	.....	.....	.....	.....	.....	2.91	.....	0.85	0	10	.....	.....	.....	.....	W. F. Nichols.
St. John	Hardin	777	29	77.4	+ 8.1	108	6	53	29	44	2.09	−0.91	1.00	0	12	23	2	5	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	490	11	.....	.....	.....	.....	.....	.....	.....	2.98	−0.14	1.00	0	8	.....	.....	.....	.....	Ernest M. Searcy.
Scott	Kenton	900	27	73.8	+ 4.3	98	9	50	23	35	3.93	+1.38	2.22	0	9	10	13	7	w.	E. B. Wilson.
Shelbyville	Shelby	825	36	76.1	+ 6.9	103	6†	53	23†	38	2.82	−0.03	0.81	0	13	13	2	15	n.	Mrs. W. T. Miller.
Shelbyville	Shelby	489	23	*76.0	+ 8.0	102a	6†	54	23	44b	2.41	−0.82	1.01	0	10	17	5	8	nw.	E. D. Bourne.
Taylorsville	Spencer	526	7	.....	.....	.....	.....	.....	.....	.....	2.01	.....	0.80	0	8	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5	Anderson	943	22	74.4	+ 5.8	98	9	52	23	33	2.01	−0.95	0.70	0	11	15	11	4	w.	Mrs. E. S. Humlong.
Williamstown	Grant	533	8	.....	.....	.....	.....	.....	.....	.....	2.57	.....	0.92	0	9	.....	.....	.....	.....	J. C. Stinson.
Woodbury, Lock 4	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ashland	Boyd	534	8	.....	.....	99	3†	.....	.....	.....	1.34	.....	0.38	0	10	16	0	14	ne.	Curtis Purvis.
Beattyville	Lee	650	21	76.6	+ 6.8	104	6	52	6†	52	2.60	−0.47	1.19	0	7	6	11	13	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	23	77.2	+ 7.9	103	6†	52	30	41	1.45	−1.41	1.05	0	7	9	14	7	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	601	15	.....	.....	.....	.....	.....	.....	.....	2.37	−1.10	0.80	0	8	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	684	7	.....	.....	.....	.....	.....	.....	.....	1.32	.....	0.40	0	10	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	36	.....	.....	.....	.....	.....	.....	.....	2.06	−0.40	0.77	0	12	18	3	9	s.	J. V. Oldham.
Farmers	Rowan	668	19	74.4	+ 6.7	103	6†	45	30	56	1.68	−1.32	0.50	0	8	11	13	6	ne.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	.....	0	.....	.....	.....	.....	.....	.....	.....	1.40	.....	0.43	0	5	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	593	9	.....	.....	.....	.....	.....	.....	.....	3.16	.....	1.53	0	7	.....	.....	.....	.....	John A. Wolters.
Grayson	Carter	589	0	.....	.....	.....	.....	.....	.....	.....	0.89	.....	0.24	0	0	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	510	5	.....	.....	.....	.....	.....	.....	.....	1.49	.....	0.83	0	5	.....	.....	.....	.....	Percy Humphrey.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Agnes Farley.
Hazard	Perry	869	0	.....	.....	.....	.....	.....	.....	.....	1.89	.....	0.86	0	8	.....	.....	.....	.....	Chas. A. Ihrig.
Heidelberg, Lock 14	Lee	664	8	.....	.....	.....	.....	.....	.....	.....	2.31	.....	0.76	0	8	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	0	74 5	.....	101	6†	49	6	52	1.52	.....	0.80	0	6	.....	.....	.....	.....	John S. Lane.
Jenkins	Letcher	1566	0	.....	.....	.....	.....	.....	.....	.....	5.39	.....	2.85	0	6	.....	.....	.....	.....	R. R Davidson.
Louisa	Lawrence	584	21	.....	.....	.....	.....	.....	.....	.....	1.23	−1.44	0.48	0	3	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	28	73 8	+ 4.2	100	9	50	30	42	2.19	−0.44	0.80	0	10	10	16	4	s.	Perry E. Bennett
Middlesboro	Bell	1128	29	76 4	+ 7.5	104	5	52b	30	42b	3.03	+0.15	1.77	0	7	20	5	5	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	35	*76.0	+ 8.4	102b	9	53	30	39b	1 80	−1.14	0.91	0	7	21	3	6	w.	W. R. McKee.
Owensboro, Dam 35	Campbell	497	3	.....	.....	.....	.....	.....	.....	.....	2.99	.....	1.19	0	9	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	19	.....	.....	.....	.....	.....	.....	.....	1.44	−1.96	0.68	0	5	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	0	.....	.....	.....	.....	.....	.....	.....	2.80	.....	0 94	0	5	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breathitt	732	0	75.5	.....	102	3†	52	6	50	3 10	.....	2 50	0	3	.....	.....	.....	.....	R. E. Jones.
Ravenna, Lock 12	Estill	651	7	.....	.....	.....	.....	.....	.....	.....	1.68	.....	0.73	0	6	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	34	77.3	+ 6.8	103	6	54	23	36	1.42	−1.42	0.60	0	6	18	5	7	.....	J. W. Crooke.
Sergent	Letcher	1235	2	75.6	.....	101	6†	51	6†	50	0.70	.....	0.45	0	2	17	9	4	sw.	Mary Rockwell.
Valley View, Lock 9	Madison	541	12	.....	.....	.....	.....	.....	.....	.....	4 48	+0.54	1.80	0	8	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	10	.....	.....	.....	.....	.....	.....	.....	2.70	+0.07	0.95	0	8	.....	.....	.....	.....	Samuel Johnson.
Wayland	Floyd	700	6	.....	.....	.....	.....	.....	.....	.....	1.20	.....	0.40	0	5	.....	.....	.....	.....	R. F. Mason.
Whitesburg	Letcher	1142	0	.....	.....	.....	.....	.....	.....	.....	0 98	.....	0 50	0	8	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	939	28	77.4	+ 6.9	104	6†	53	6	51	3 75	+0.19	2.28	0	6	24	5	1	.....	Lawrence R. Uhl.
Willow Lock 13	Lee	611	6	.....	.....	.....	.....	.....	.....	.....	2.02	.....	0.91	0	6	.....	.....	.....	.....	Shelby Angel.
State averages and extremes		.....	.....	77.2	.....	110	6	45	30	56	2.83	.....	2 85	0	8	15	7	8	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

§Lone Oak.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Precipitation is less than 0.01 inch rain or melted snow.

† Also on other dates. †† Received too late to be included in means and summaries.

a Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

generally from the 12th to 16th but varied greatly in local distribution. There was also considerable rain in the western counties on the 21st, 22d and 27th, but only light to moderate showers in the central and eastern districts. The heaviest for the month was 6.36 inches at Owensboro, and the lightest 0.70 inch at Sergent. Thunderstorms were reported on 12 days, mostly in the periods of intense heat.

Daily Precipitation for September, 1925

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam§ G	.12								.08			.30	.70			.40					1.40	1.20					.40					4 10
Brandyville M	T.								T.	.22	.17	2.77	.34	.43	.30					.06	.97	.06		.01	.17	.38					6 15
Calhoun G								T.	.73	.21		.47	.38	T.	.18	.08				T.	2.35	.41	T.	T.	T.	.21	1.11					6 15
Carlington§ G		.02							.03	.05		.23	.74		.05	.30				.25	.85	.85				.30	.96					4 65
Greenville G		.65						T.	.29			1.11	.79	.02	.15						.82	.11	.02	T.	.15		.60					4 71
Hopkinsville C									.06	.67		.73	1.02		.46	.10					.46				.19	.21	.96					4 86
Marion O								.15		T.	T.	1.40	.44		.57	T.					.57	.55			1		.46					4 14
Maytield M	T.							T.		.20	T.	1.09	.50	T.	.75	.10					.50	T.	T.	T.	.46	T.	.39		T.	T.		3 84
Owensboro§ O									.09	.09		.11	1.08		.16					.20	2.77	.48									6 36
Paducah (near)¶ O										.35		1.00	.25	.10	.70						.95					.40	.35					4 10
Princeton O	.08								T.	.73		.89	.57		.44	.26					1.25				T.	.14	.26					4 54
Ramsey, Lock No. 2 G								T.		.20	T.	.95	.26	.04	.43						.88	.03		.02	.25	1	1.15					5 41
Russellville G				.26					.45	.18		.19	.73		.09	.23				2	.38	.03	.38				1.25					5 91
Central Division										.01		.02	.30		.22	.44					.29		.14				.19					1 87
Anchorage O																																
Bardstown§ S		.32								.12		.65	1.45	T.	.12					.29	.05	.11					.31					3 10
Bowling Green G		.90							.05	.17		.04	.56	.36	.12	.04				.55	.03	.15					.18					2 57
Bowling Green, No. 2 G		.68								T.		.05	.40		.31	.30					.32		.10									2 38
Brandenville, Lock No. 6 G		.21										.03	.28	.06	.22	.21					.38		.14				.07					2 80
Burnside C		T.							.05			.03	.31	.07	.18	.03					.67	.03	.76			.09	.08					2 92
Carrollton (Lock No. 1) K	T.								T.			T.	.20			.62						.36	.24				.04	.12				2 51
Cloverport O								.07	.22			.02	.98	.20	.12	.03					.86	.02	.12					.27				1 58
Dix Dam, Burgin K	T.							T.	.10				1.70		.68	.02				2.28	.06	.38		T.		.25	.04					2 91
Eubank C	.05						.14			.02		.05	1.11	.48	.54	.02	.02			.07	.04							T.				4 91
Frankfort K										.01		.02	.61	.40	.20	.15						.16										2 49
Franklin G	1.70	T.					.03			.28	T.	.02	.60	.85	.03	.04				.51	.08	.03		T.	.05	.06						1 57
Gest, Lock No. 3 K														.60	.50					.09		T.										2 55
Glasgow G	.20									.10	T.		.74	.10	.12	T					.82	T.	.08				.07	.32				3 35
Grand, Dam 38 O	T.											.30	1.49	T.	.20						.80	.10					.30					2 95
Greensburg§ G		.20					.15		.05	T.	T.	T.	1.57	.29	.20	.09					1.07		T.				T.	T.				2 89
Hardizh Bridge, Lock No. 7 K		.03								.05	.01		.95	.29	.86	.03					.21	.60				.15	.36					8 51
Harrodsburg O	.23						.30					.32	.79	.14	.46	.08					.10	T.	.65				.05	.12				3 30
Hebron City K	.30							T.		.26		.15	.18	T.	T.	.11				.83	.64	.25				T.	.28					2 74
Hunnewell C										.02		.60	1.00		.20	.04				T.	.09	.28					.12	.07				2 93
Hitchfield G																					.01		.08			.03	.01					2 72
Lexington *** K										.02		.17	.11	T.	.16	T.					1.25	.45		T.		T.	.20					2 26
Little Hickman, Lock No. 8 K									.02	.01		.28	.73	.05	.35	.02				.05		.07	T.				.11	.01				1 70
Lockport, Lock No. 2 K													.14	.82	.12	.16					.04		T.				.10					1 38
LOUISVILLE*** O	.01										.11	T.	.02	1.60	.14	.11	.02				.67	.03	.14				.29	.19	.03			3 35
Lou (Cherokee Park) O	.05							T.	T.	T.	T.	.95	.20	.05	.03					.38	.01	.17				.34						2 14
Lunsford ville G												T.	1.22	.53	.07					*	.40	.22					.45					2 84
Mt. John§ S	T.	T.								.24			.55	.15	.23	.02						.52	.03	.85				.28	.04				2 91
Nevison, Lock No 6 K								.03	.02	.10		.02	.37	.02	.14	.14				.15	1.00					.08	.02					2 09
Scott L	.07									.10			.10	1.00	.55	.22					.15	T.					.22	.61				2 98
Shelbyville§ S								T.	T.			.04	.96		.11	.18				.01	2.22	.03				T.	.31					3 93
Taylorsville S	T.								.39	.01		.04	.81	.46	.09	.06				.49	.12	.12		.02		.10	.12					2 82
Tompkinsville K								T.	.26			.02	1.01	T.	.10	.21				.30	.26	.11		.04	T.	.10						2 11
Williamstown§ L												.80		.60		.12				.25	.05	.03		.03		.13						2 01
Woodbury, Lock No. 4 G	.03	.50							.28				.70	.20	.06	.01				.15	.04	.17	.01			.22	.17					2 01
Eastern Division									T.		T.	.20	T.	.05	.04						.92	.04	.53			.26	T.					2 57
Ashland O	.10	.15				.07				.01				.13	.14	.25		.04		.07						.38						1 34
Carrollton K								.03	.06	T.		.30	.18	.58	.26												1.19					2 60
Catlettsburg K						T.	.01	T.		T.	T.	1.05			.15	.05				T.	.06						.07	.06				1 45
Catlettsburg L					.20		.05					.25	.55	.42	.80									T.			.05	.05				2 37
Farmers K		.03							.07			.40	.14	.12	.04					.36	.03	.04			.08	.04		T.				1 32
Farmingsburg L		.15							.97			.77	.06	.07	.02					.47	.01	.05			.05	.08	.38					2 06
Grand, Lock No. 10 K									.20		.10	.50	.21	.30	.12					.10											1 68
Grayson O												.28	.43	.11																		1 40
Greenup, Dam 30 O	.18	.83					.74		T.	T.		.50	1.53	.16	.08	T.				T.	T.	T.	T.			.10	.05					3 16
Hilton K									.06			.08	.10	.24	.11				.05	.05		.08					.12					0 89
Hazard K	.13	T.							.04					.08													.36					1 49
Huddelberg, Lock No. 14 K							.15					.50	.25	T	.86	T.				T												1 89
Jackman K						T.	.02		.05	.05	.47	.12	.59	.25								T.		T.			.76					2 81
Jenkins K						T.		.16	.02		.25	.20		.12	.80												.03					1 52
Louisa B	2.85						.50			.78	.74				1.02						T.											5 89
Maysville O	T.	T.											.48		.47																	1 23
Middlesboro C						.01			T.			.30	.50	.03	.16		.33			.41	T.	.05				.02	.28					2 19
Mount Sterling§ L										.05	.12		.12	.68						.15	.14						.38					3 03
Nicholasville O	.16					T.		T.	T.		.91	.21	.29	.16						.02					T.	1.77					1 80
Olympian Springs B	T.									T.	.11	.61	.18	.11	.28			.15		1.19		T.			T.	.21					2 99
Owingsburg B								12		T.		.82	.08		.24						T.	T.	T.				.20					1 44
Pleasant Hill K											T.	.32	.32		.54												.68					2 80
Pleasureville, Lock No. 12 K												.10	.50	T.								.68					.94					3 10
Richmond§ K						T.	.25		.12	.05		.43	.73	T.	.10					T		T.				2.50						1 68
Rockport K							.05		T.		T.	.35	.60	.20						T.		.04				.18						1 42
Salem, Dam 32 O						.95				.25		.08	1.80	.40	.50						.10											0 70
Sayland B	.20									.15			.95	.25	.04				.32		.25		.09				.40			.65		4 48
Shepherdsville K	T.											.10	.10													.10						2 70
Williamsburg C												.35	.02	.02	.50	.01					.03	.03	.02							.40		1 20
Willow, Lock No. 13 K													.49		.55						2.28	.18					.13	.10				0 98
																											.26					8 73
																																2 02

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

§ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch. * Precipitation included in the next following measurement.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak. § Precipitation measured at 7 a. m. from April 16th to Sept. 15th.

MISCELLANEOUS.

Hail and wind: 9th, tobacco badly damaged in southwestern rt of Christian County in a strip three miles wide and several les long.

Rivers:—All streams continued very low. The small streams in central and eastern districts were generally dry.

Daily Temperatures for September, 1925.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	102	100	106	107	107	110	100	104	100	97	100	91	86	84	74	84	95	99	100	97	89	79	74	80	86	91	80	87	88	89	..	93.0
	Minimum	65	64	68	66	60	65	67	68	66	75	70	69	59	68	65	69	68	66	68	70	69	67	66	72	74	77	82	81	82	82	85	64.8
Blandville	Maximum	96	97	100	103	103	104	103	102	100	94	96	83	80	77	77	81	92	93	94	92	76	76	72	74	77	82	81	82	82	85	..	67.0
	Minimum	69	68	72	71	75	71	72	74	73	67	71	66	65	59	63	65	69	73	69	73	65	63	59	58	59	65	66	65	61	62	..	88.9
Calhoun	Maximum	94	96	101	100	101	103	100	98	97	98	92	90	85	83	79	85	91	97	95	95	76	76	74	73	78	78	80	82	83	84	..	66.5
	Minimum	68	65	65	68	69	68	69	70	67	72	70	71	70	66	67	64	62	69	65	73	72	64	58	63	64	70	68	65	60	58	..	92.2
Farlington	Maximum	101	100	105	106	107	108	106	103	103	95	97	85	87	87	77	87	97	100	101	98	80	71	75	76	79	89	79	87	87	89	..	66.7
	Minimum	67	65	68	67	66	67	71	72	69	72	70	70	70	58	60	67	63	73	70	70	70	62	58	61	62	68	67	66	58	59	..	*93.8
Greenville	Maximum	100	99	104	104	106	107	109	104	103	98	99	92	88	88	80	87	87	97	99	98	92	75	75	81	83	91	..	87	87	88	..	*65.3
	Minimum	65	65	66	67	65	66	70	71	65	74	74	69	65	57	68	65	61	70	65	71	70	65	61	65	78	85	86	87	90	91	..	64	57	56	..	93.6
Hopkinsville	Maximum	101	100	105	106	108	108	108	105	103	93	97	87	86	87	77	89	97	98	100	97	88	85	81	85	78	85	88	86	87	90	..	65.6
	Minimum	66	66	65	67	68	67	68	73	67	68	71	67	67	68	68	65	63	68	65	68	70	65	58	60	63	66	65	68	60	57	..	89.9
Marion	Maximum	99	95	103	101	105	104	105	105	102	101	93	93	83	80	72	80	86	93	96	96	93	71	73	74	74	84	84	82	85	84	..	68.0
	Minimum	70	68	73	74	68	67	74	74	72	69	73	69	69	60	65	68	75	71	75	70	62	58	62	62	67	68	65	68	66	63	..	92.3
Mayfield	Maximum	99	99	102	105	105	105	105	105	101	95	96	82	83	83	79	86	94	95	95	96	88	87	85	89	80	87	82	86	86	82	..	67.4
	Minimum	68	68	73	71	70	70	72	74	73	69	71	68	68	60	69	66	69	69	69	67	66	64	61	60	62	68	66	66	62	60	..	89.5
Owensboro	Maximum	96	95	103	100	102	104	101	98	100	92	96	81	83	81	82	88	91	96	97	94	82	74	75	75	76	87	82	83	86	84	..	65.9
	Minimum	69	65	64	68	66	68	68	70	68	69	69	69	69	58	66	64	69	70	69	75	69	59	55	61	62	67	66	64	63	59	..	91.7
Paducah (near)	Maximum	100	102	103	106	106	106	106	105	104	96	97	88	80	79	78	85	96	97	97	97	88	78	75	76	78	85	88	86	87	90	..	68.0
	Minimum	67	65	74	72	70	71	73	74	74	69	74	68	69	61	66	65	70	74	72	73	68	66	60	60	60	69	67	66	65	60	..	90.0
Princeton	Maximum	95	96	102	102	104	104	104	102	102	93	96	84	83	81	77	86	91	98	98	98	86	76	70	65	59	61	61	67	66	65	60	66.4
	Minimum	68	66	67	68	69	69	68	74	69	70	70	68	69	60	67	65	65	70	66	70	70	65	59	61	61	67	66	65	60	60	..	892.7
Russellville§§	Maximum	..	..	65	69	67	68	71	73	68	74	72	72	70	66	65	66	67	68	67	72	71	64	59	59	63	69	68	71	60	57	..	*66.8
	Minimum	..	99	103	104	104	106	108	101	100	94	98	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	..	88.9
Central Division.																																	
Anchorage	Maximum	97	97	103	102	102	102	102	98	105	88	98	86	87	81	79	84	91	96	98	95	79	68	78	78	75	92	78	87	82	86	..	62.7
	Minimum	67	62	63	61	62	63	69	65	66	63	66	62	67	62	66	64	67	64	66	67	65	66	67	55	53	56	57	62	67	58	54	..	91.8
Bardstown	Maximum	97	97	100	103	102	103	104	98	106	90	98	89	86	78	88	94	99	100	98	82	68	79	83	84	93	82	86	88	88	89	..	63.6
	Minimum	69	62	62	61	61	61	71	65	67	70	66	68	67	61	66	68	57	65	66	67	65	60	56	60	59	65	60	58	58	60	..	92.4
Bowling Green	Maximum	96	97	102	103	104	104	105	100	102	90	96	89	89	89	79	89	93	99	100	98	89	78	70	84	89	92	82	87	89	89	..	64.9
	Minimum	65	63	65	69	65	66	70	70	67	73	67	70	68	59	66	66	60	67	66	68	69	67	66	67	66	66	65	64	67	57	56	..	91.7
Dix Dam	Maximum	96	97	103	102	103	104	100	96	103	99	98	95	87	88	86	84	88	88	64	67	69	70	60	55	59	62	62	60	62	59	55	..	64.4
	Minimum	69	61	65	70	61	69	73	66	65	74	67	72	68	63	67	66	60	70	67	72	69	63	58	61	61	62	58	66	68	59	55	..	89.6
Eubank	Maximum	90	93	100	101	101	102	102	95	101	95	96	88	81	86	80	82	90	94	95	94	91	72	75	81	82	90	88	82	91	81	..	63.1
	Minimum	65	60	58	65	62	58	66	69	65	76	65	72	69	61	65	63	62	66	65	64	69	61	58	55	56	56	58	54	67	61	61	..	88.6
Frankfort	Maximum	98	100	97	104	102	103	103	101	97	94	100	99	94	93	82	84	80	81	87	94	95	94	79	78	75	77	59	60	61	69	65	58	55	..	64.7
	Minimum	68	64	64	69	62	61	72	67	68	71	67	73	71	68	68	67	59	65	70	68	71	57	56	59	60	61	69	65	58	55	..	94.2
Franklin	Maximum	98	100	97	104	102	103	103	101	99	94	97	94	95	91	90	94	96	99	96	98	85	84	91	93	90	91	85	89	87	91	..	65.6
	Minimum	69	62	65	65	61	67	73	67	65	72	73	71	68	69	70	73	71	69	68	66	68	63	61	61	62	58	66	68	69	55	..	92.4
Glasgow	Maximum	96	97	102	104	104	105	107	100	105	100	90	93	90	88	79	84	91	96	97	96	87	79	76	84	87	90	87	89	87	89	..	66.0
	Minimum	66	63	66	71	65	70	71	71	70	69	72	71	69	67	66	66	60	70	67	72	69	63	59	60	62	66	66	69	57	56	..	89.7
Greensburg	Maximum	94	93	100	99	99	103	103	95	103	85	95	80	84	86	80	83	89	95	95	95	86	90	94	74	80	83	84	84	85	..	..	62.4
	Minimum	64	60	60	64	59	58	65	68	65	70	65	70	68	59	65	65	62	63	63	68	62	56	59	60	61	65	67	54	53	..	..	88.9
Irvington	Maximum	94	94	101	100	100	103	101	96	102	93	96	90	87	81	77	83	90	96	96	95	75	70	74	75	79	89	82	88	82	82	..	68.8
	Minimum	73	66	67	72	68	70	73	70	68	74	71	74	73	70	69	68	61	68	66	59	73	70	70	70	59	55	61	61	66	69	65	61	56	..	91.7
Junction City	Maximum	98	99	103	98	100	105	100	101	106	94	99	90	89	90	83	90	93	97	91	88	81	70	80	85	90	80	85	90	80	85	87	63.5
	Minimum	59	70	73	58	64	70	72	71	69	71	63	64	66	61	66	66	60	63	65	64	67	66	66	67	66	69	59	62	67	66	60	55	..	90.1
Leitchfield	Minimum	96	96	102	101	103	103	102	98	102	89	95	89	86	80	76	86	93	98	98	98	78	77	73	76	78	80	82	82	67	66	60	55	..	66.0
	Maximum	68	63	68	73	66	70	73	70	68	74	70	71	70	60	67	66	58	69	69	69	70	69	60	56	61	62	62	62	66	60	55	..	85.6
Lexington	Minimum	89	92	97	96	96	98	94	91	99	87	94	86	80	81	77	79	87	92	93	92	76	68	72	73	75	78	87	77	81	78	82	..	66.7
	Maximum	73	68	70	75	70	76	76	70	68	73	74	69	68	65	66	66	63	71	75	70	68	62	62	62	62	68	66	66	66	60	55	..	87.0
Louisville	Minimum	93	94	99	97	98	100	96	93	101	89	95	81	83	79	76	82	90	95	96	92	77	66	56	56	63	66	65	69	66	62	57	..	68.0
	Maximum	73	68	73	77	68	72	75	73	68	75	73	71	69	65	68	66	64	74	77	72	66	56	56	63	66	65	65	69	66	62	57	..	86.9
Do (Cherokee Park)	Minimum	91	91	98	98	96	100	96	93	100	96	94	92	82	80	76	79	85	93	94	92	77	68	71	74	75	88	85	80	79	79	..	65.5
	Maximum	69	65	67	72	65	65	72	68	67	74	69	73	70	64	67	65	60	68	70	71	69	56	54	60	59	66	68	63	60	55	..	91.4
St. John	Minimum	98	98	104	102	103	108	107	98	105	94	96	87	89	86	86	87	90	98	100	98	73	65	65	70	80	80	86	86	86	80	83	..	63.4
	Maximum	68	66	69	69	65	64	69	65	65	70	64	64	68	57	65	64	66	67	69	67	60	57	54	61	60	68	63	63	58	58	..	84.2
Scott	Minimum	86	90	96	93	96	92	91	88	98	88	94	91	86	79	76	76	79	85	93	94	78	66	67	73	76	71	76	77	80	74	77	..	63.5
	Maximum	66	62	68	68	61	62	72	64	67	72	66	71	69	63	67	66	56	68	70	71	61	55	50	57	54	57	68	63	59	55	..	87.0
Shelbyville	Minimum	94	96	102	100	99	103	100	94	103	86	96	85	80	76	76	80	89	95	95	94	78	71	75	76	78	80	80	83	83	83	..	68.0
	Maximum	66	64	67	67	62	66	71	66	66	69	69	71	69	63	66	65	57	66	69	69	68	55	53	59	64	66	67	61	58	53	..	87.8
Taylorsville	Minimum	90	94	101	97	97	102	..	..	..	102	92	94	88	84	81	78	81	88	95	95	95	76	72	75	76	78	80	82	84	80	82	..	87.3
	Maximum	68	66	68	68	68	68	68	63	63	67	65	72	66	63	71	67	73	68	67	66	70	58	54	59	64	62	72	64	71	57	..	64.7
Williamstown	Minimum	89	89	96	94	94	94	93	88	98	88	94	84	80	78	78	79	84	91	93	93	76	70	72	74	76	88	81	79	75	77	..	84.7
	Maximum	68	63	63	70	63	67	73	65	67	68	67	72	69	63	67	64	59	67	70	70	66	54	52	58	56	78	68	63	56	53	..	64.0
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eastern Division.																																	
Ashland	Maximum	87	90	99	90	97	99	96	89	99	91	99	90	81	83	85	84	87	96	96	98	85	75	76	83	77	84	79	86	84	87	..	89.1
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beattyville	Maximum	96	99	102	103	102	104	103	94	101	93	99	89	85	89	86	85	86	96	96	98	85	75	76	84	86	91	86	86	84	87	..	91.7
	Minimum	61	62	59	64	55	52	64	65	59	67	63	68	66	67	67	67	60	57	65	60	70	59	56	57	55	57	61	69	57	52	..	61.4
Berea	Maximum	93	93	100	98	98	103	100	92	103	90	97	88	82	86	82	82	86	95	95	95	78	73	74	74	80	85	81	83	82	82	..	65.5
	Minimum	69	69	67	72	69	69	72	73	67	68	76	69	75	69	63	68	67	67	68	71	74	71	68	66	66	67	66	66	65	65	..	91.7
Farmers	Maximum	93	97	102	101	102	103	102	97	103	95	101	92	80	88	86	86	90	98	100	96	86	76	79	82	83	91	83	88	85	90	..	65.5
	Minimum	59	54	52	59	51	47	64	58	56	63	60	64	66	63	64	64	57	63	62	68	65	53	51	53	52	52	57	63	49	45	..	91.7
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Harlan	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hindman	Maximum	94	95	99	100	99	101	101	93	101	89	98	90	85	88	89	88	86	92	95	96	84	79	72	78	84	85	82	81	83	86	..	89.4
	Minimum	60	55	55	61	51	49	61	65	56	65	61	62	66	61	63	64	59	54	68	66	70	58	58	58	58	57	57	65	56	50	..	59.0
Maysville	Maximum	89	93	99	95	97	98	95	90	100	88	98	91	86	89	82	86	89	92	96	94	86	78	78	78	76	85	78	75	86	76	69	..	85.5
	Minimum	63	59	59	66	58	56	70	62	63	67	65	71	70	63	67	64	59	63	67	66	68	55	55	55	55	57	66	62	59	50	..	61.4
Middlesboro	Maximum	89	95	102	102	102	104	101	101	100	100	97	100	93	85	89	93	91	92	96	96	90	85	84	82	82	88	84	82	83	85	..	62.2
	Minimum	..	..	..	..	..	..	..	..	..	59	65	61	62	68	60	63	61	57	54	59	56	65	66	62	58	56	60	58	62	58	56	..	60.0
Mount Sterling	Maximum	90	92	101	96	99	100	98	91	102	92	99	90	81	83	82	83	87	95	96	96	79	75	74	76	78	84	78	84	78	79	..	*89.0
	Minimum	63	63	62	66	60	68	68	67	63	72	64	71	69	65	66	67	59	64	66	67	67	57	54	57	55	59	68	58	54	53	..	70.8
Quicksand	Maximum	95	96	102	99	100	102	100	95	102	94	100	88	82	88	87	86	89	96	96	96	84	74	74	74	77	84	80	84	84	87	..	89.3
	Minimum	66	57	57	63	51	52	61	56	58	67	64	65	67	64	66	67	57	55	63	59	69	59	58	54	52	56	62	58	54	54	..	59.8
Richmond	Maximum	95	94	100	101	100	101	101	97	102	92	98	92	86	88	86	86	89	96	96	96	84	74	74	74	77	84	80	84	84	87	..	89.3
	Minimum	67	63	67	71	65	67	72	65	67	75	70	75	66	63	65	66	60	56	64	60	67	55	53	59	60	58	54	57	55	53	..	65.5
Sergent	Maximum	90	95	100	99	98	101	101	92	100	93	98	92	86	88	84	86	89	96	96	96	84	74	74	74	77	84	80	84	84	87	..	89.3
	Minimum	61	57	56	62	53	51	62	65	57	66	62	64	68	61	65	65	60	56	64	60	65	64	60	60	60	60	63	63	56	51	..	65.5
Williamsburg	Maximum	94	97	100	101	102	104	104	102	103	98	99	94	87	90	88	87	92	96	96	96	84	74	74	74	77	84	80	84	84	87	..	89.3
	Minimum	63	60	66	62	58	53	61	63	60	70	68	69	68	64	65	66	59	57	62	60	63	66	60	61	60	59	64	66	61	54	..	64.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* b, c, etc., indicate respectively 1, 2, 3, etc., days missing from record.

W B O Louisville, 10-29-25 950

UNK

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

THE LIBRARY OF THE

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXX LOUISVILLE, KY., OCTOBER, 1925. No. 10.

GENERAL SUMMARY.

In striking contrast to conditions prevailing during the preceding month, the weather was exceptionally cold, cloudy, windy, and unfavorable for farm work. There were but few days when outdoor work could be comfortably performed. Good showers during the first decade were beneficial in replenishing the streams, but the heavy precipitation that followed kept the soil saturated and interfered greatly with plowing and seeding. Wheat sowing commenced during the first week, and continued fitfully between rains until late in the month. In the western counties the work could not be completed, some localities reporting that only one-half of the intended acreage had been sown. Better results were obtained in the southern and eastern counties. Wheat sown early in the month came up to a good stand, but grew slowly on account of the low temperature. Hard freezes from the 28th to 31st, with considerable snow and average temperatures about 20° below normal, rendered the plants almost as dormant as in winter. Rye for pasture, which was mostly sown in September, made good growth and soon reached a size appropriate for grazing. Not much use could be made of it, however, because of the muddy state of the fields. Some very green and much belated tobacco remained in the fields until after the middle of the month, but the low temperature and general dearth of sunshine, rendered maturity impossible, while persistent rains prevented cutting and housing in anything like satisfactory condition. Tobacco housed during the previous month had cured so well that it was not adversely affected by the wet weather. Corn molded to a considerable extent in the water-soaked shocks, and standing corn fell in the muddy fields under the influence of the windy beating rains. Progress with gathering was exceedingly slow. Until the killing frost of the 20th, late potatoes grew slowly because of the cold and lack of sunshine. The crop in general had been so delayed and injured by the previous drought that tubers of good size could not develop. Bluegrass pastures revived as in spring, the grazing furnished largely relieving the necessity for feeding. Alfalfa and clovers also revived, but showed in spotted stands the effects of the long drought.

TEMPERATURE.

The average temperature for the State, 43 stations reporting, was 52.9°, which is 5.2° below normal and among the lowest on record. Except for a few days at the beginning and near the middle of the month, mean temperatures were continuously below normal, daily deficiencies during nearly half of the month ranging from 10° to 20°. In the period 28th-31st minimum temperatures ranged between 16° and 28° at most stations. The extremes were 88° on the 4th at Dix Dam, and 13° on the 29th at Farmers.

PRECIPITATION.

The average precipitation for the State, based on reports from 79 stations, was 7.09 inches, which is 4.49 inches above normal, and exceeded only for this month by the record average of 7.99 inches in October, 1919. In the northeastern counties, including the northern bluegrass region, amounts at the various stations ranged between 4.0 and 6.5 inches. They increased toward the southwestern districts, where the range was between 7.0 and 11.5 inches. In the central sections from 7.0 to 9.0 inches occurred, diminishing somewhat toward the southern border. The total snowfall, which was unprecedented for October, varied generally between 3.0 and 6.5 inches in the northern half of the State and from 1.0 to 3.0 inches in the southern counties. Precipitation in measurable amount was

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. In inches reduced to sea-level.					Wind.				
								Max. Velocity.*		
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.05	30.51	10	29.54	16	6922	9.3	31	n.	28
Cincinnati ..... Ohio	30.05	30.50	29	29.50	25	4556	6.1	31	nw.	26
Evansville..... Ind.	30.07	30.52	10	29.58	16	6551	9.3	37	nw.	26
Lexington ..... Ky.	30.04	30.48	10	29.55	25	8479	11.4	38	w.	26
Louisville ..... Ky.	30.06	30.51	10	29.58	25	7169	9.6	37	nw.	19

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	87	66	74	142.7	348.1	41	6	13
Cincinnati ..... Ohio.	86	70	70	78.6	346.1	23	3	20
Evansville..... Ind.	84	68	73	120.6	347.3	35	6	16
Lexington ..... Ky.	87	76	.....	57.6	347.3	16	2	24
Louisville ..... Ky.	81	67	71	77.8	347.3	22	2	20

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature.				Precipitation.		
	Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more rain.
1889	52.0	−5.8	89	23	2.42	−0.08	..
1890	55.7	−2.1	87	23	2.94	+0.44	..
1891	54.8	−3.0	92	21	0.78	−1.72	..
1892	57.3	−0.6	97	19	0.51	−1.99	..
1893	56.4	−1.4	90	19	4.00	+1.50	..
1894	58.6	+0.8	92	25	1.36	−1.14	5
1895	52.2	−5.6	89	14	1.24	−1.26	4
1896	55.8	−2.0	90	25	1.71	−0.79	5
1897	53.2	−4.6	96	26	1.10	−1.40	4
1898	57.1	−0.7	93	21	4.19	+1.69	10
1899	61.3	+3.5	93	26	2.42	−0.08	5
1900	64.5	+6.7	94	29	2.29	−0.21	5
1901	58.1	+0.3	93	25	1.57	−0.93	4
1902	60.1	+2.3	91	25	2.34	−0.16	5
1903	57.7	−0.1	96	19	2.22	−0.28	5
1904	57.2	−0.6	93	20	0.52	−1.98	2
1905	57.0	−0.8	90	25	4.95	+2.45	9
1906	56.9	−0.9	91	20	1.51	−0.99	7
1907	55.5	−2.3	93	20	2.97	+0.47	6
1908	57.1	−0.7	92	20	0.71	−1.79	3
1909	55.2	−2.6	94	18	2.11	−0.39	6
1910	61.4	+3.6	96	17	4.45	+1.95	6
1911	59.9	+2.1	94	27	3.71	+1.21	10
1912	59.5	+1.7	92	25	1.42	−1.08	4
1913	56.9	−0.9	97	23	3.55	+1.05	9
1914	59.7	+1.9	91	22	5.10	+2.60	9
1915	60.6	+2.8	90	27	3.40	+0.90	6
1916	57.6	−0.2	97	24	2.59	+0.09	6
1917	51.1	−6.7	80	20	3.18	+0.68	7
1918	62.3	+4.5	91	32	3.81	+1.31	10
1919	65.6	+7.8	98	35	7.99	+5.49	15
1920	61.0	+3.2	93	24	1.64	−0.86	4
1921	57.1	−0.7	90	24	2.31	−0.19	6
1922	60.2	+2.3	96	25	2.28	−0.30	6
1923	56.5	−1.3	89	19	1.68	−0.82	5
1924	61.1	+3.0	91	24	0.27	−2.33	1
1925	52.9	−5.2	88	13	7.09	+4.49	15

Climatological Data for October, 1925.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	21	53.4	−5.3	82	4	20	29	31	6.95	+4.15	2.00	3.0	12	7	5	19	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	43	52.8	−5.8	84	4	22	29	30	9.75	+6.75	2.46	3.8	12	10	4	17	sw.	E. W. Horr.
Calhoun	McLean	437	21	53.4	−6.6	82	1	20	29	27	7.07	+3.68	1.74	6.5	15	4	11	16	nw.	W. A. Taylor.
Earlington	Hopkins	420	35	53.1	−6.2	84	4	22	29	28	10.64	+8.07	2.38	4.5	14	8	4	19	nw	Brick Southworth.
Greenville	Muhlenburg	524	29	54.0	−6.6	86	4	22	29	35	9.61	+5.55	2.30	1.5	14	10	11	10	n.	C. R. Lovell.
Hopkinsville	Christian	519	8	54.2	−5.1	84	4	21	29	37	7.61	+1.57	1.33	1.5	15	7	6	18	se.	W. E. Graves.
Marion	Crittenden	571	27	52.9	−6.6	85	1	22	29	32	6.53	+3.99	1.52	5.0	10	6	6	19	nw	B. C. Paris.
Mayfield	Graves	364	16	55.2	−4.6	86	4	21	31	33	.....	.....	.....	.....	.....	6	14	11	n.	N. E. Douthit.
Owensboro	Daviess	479	28	52.2	−6.7	79	4	22	29	26	7.17	+3.89	2.00	2.5	14	5	3	23	s.	Henry S. Berry.
Paducah (near)§	McCracken	516	8	55.0	.....	86	4	23	31	30	11.50	+7.51	1.80	4.0	13	12	6	13	se.	J. W. Lilley
Paducah	McCracken	341	36	.....	.....	.....	.....	.....	.....	.....	10.81	+8.13	2.22	5.0	11	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	529	18	53.2	−5.9	83	4	22	29	29	10.98	+8.49	2.10	5.0	17	5	8	18	n.	Dr. W. L. Cash.
Princeton	Caldwell	384	1	.....	.....	.....	.....	.....	.....	.....	6.83	.....	1.74	5.4	17	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2†	McLean	390	14	53.4	−6.4	86	4	22	29	35	6.54	+4.06	1.15	3.5	15	7	4	20	n.	Wm. Shelton.
Russellville	Logan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Anchorage	Jefferson	700	24	49.6	−7.2	79	4	14	29	29	6.18	+3.13	2.12	4.0	17	5	6	20	sw.	C. E. Barret.
Bardstown	Nelson	637	28	52.2	−6.9	81	4	16	29	31	7.80	+4.98	2.30	1.5	12	3	5	23	ne.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	53.9	−5.3	85	4	19	30	35	7.88	+5.51	1.85	3.0	14	3	16	12	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0	.....	.....	.....	.....	.....	.....	.....	7.01	.....	1.31	3.5	15	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	8	.....	.....	.....	.....	.....	.....	.....	7.81	.....	2.30	2.0	14	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	34	.....	.....	.....	.....	.....	.....	.....	7.72	+4.69	1.85	1.0	15	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 6‡	Carroll	422	26	.....	.....	.....	.....	.....	.....	.....	5.72	+3.07	2.25	.....	17	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	11	.....	.....	.....	.....	.....	.....	.....	8.20	+5.14	1.86	3.0	18	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.5	.....	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	1	52.0	.....	88	4	20	29	36	6.63	.....	1.67	0.5	16	6	3	11	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	31	52.6	−4.3	85	2	19	29	35	8.34	+5.62	1.95	5.0	13	6	11	14	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	33	53.1	−4.0	80	4	20	29	27	5.58	+3.11	2.22	2.0	16	7	3	21	w.	Sidney Wood.
Franklin	Simpson	691	30	55.2	−5.0	85‖	4	19*	29	36‖	6.23	+3.62	1.05	3.3	12	11	4	16	w.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	14	.....	.....	.....	.....	.....	.....	.....	6.57	+3.38	2.40	.....	17	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	789	4	54.5	.....	84	5	20	30	36	7.35	.....	1.40	3.5	10	21	1	9	s.	Dr. Fidella Edwards.
Grant, Dam 38	Boone	506	0	.....	.....	.....	.....	.....	.....	.....	3.87	.....	1.09	3.0	14	.....	.....	.....	.....	W. L. Patchell.
Greensburg	Jessamine	581	32	53.1	−4.0	83	4	17	29	32	7.32	+4.56	1.35	2.0	20	3	0	28	e.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	23	.....	.....	.....	.....	.....	.....	.....	6.09	+3.11	1.50	2.5	17	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	27	52.1	−3.5	79	4†	22	29	30	7.71	+4.99	2.00	2.5	13	5	2	24	sw.	W. J. Piggott.
Junction City	Boyle	985	31	53.3	−4.5	82	4	16	29	33	8.27	+5.74	1.64	4.5	19	6	17	8	sw.	William E. Grubbs.
Lancaster	Garrard	1032	0	.....	.....	.....	.....	.....	.....	.....	7.45	.....	1.87	2.0	16	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	635	29	52.4	−5.7	80	4	21	29	29	7.93	+5.20	1.95	5.5	14	5	11	15	s.	H. H. Willis.
Lexington	Fayette	989	37	50.2	−7.2	75	4	21	29	22	5.83	+3.61	2.78	2.8	19	3	4	24	sw.	U. S. Weather Bureau.
Little Hickman, Lock 8¶	Jessamine	523	14	.....	.....	.....	.....	.....	.....	.....	5.36	+2.51	0.95	2.0	14	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	15	.....	.....	.....	.....	.....	.....	.....	6.41	+3.31	2.12	4.5	19	.....	.....	.....	.....	Andrew J. Keenan.
LOUISVILLE	Jefferson	525	52	51.4	−7.9	78	4	23	29	20	6.43	+3.80	1.79	3.5	15	3	5	23	n.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	15	51.6	−6.3	77	1†	21	29	26	6.15	+3.00	1.75	5.5	16	4	6	21	ne.	Wm. I. Hunt.
Manfordville	Hart	777	29	51.6	−6.1	81	4	20	28	36	7.45	.....	1.48	2.7	16	.....	.....	.....	.....	W. F. Nichols.
St. John	Hardin	490	11	.....	.....	.....	.....	.....	.....	.....	8.48	+5.65	2.30	4.5	11	9	10	12	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	900	27	48.6	−9.2	75	2	16	29	23	5.55	+3.05	1.70	.....	12	.....	.....	.....	.....	Ernest M. Searcy.
Scott¶	Kenton	825	36	50.9	−5.8	77	4	18	29	27	5.87	+3.53	1.12	5.2	19	1	5	25	w.	E. B. Wilson.
Shelbyville	Shelby	489	23	52.3	−4.0	78	4	18	29	27	6.88	+4.46	2.51	4.0	20	3	4	24	n.	Mrs. W. T. Miller.
Taylorsville	Spencer	526	7	.....	.....	.....	.....	.....	.....	.....	6.38	+3.41	1.85	3.0	17	3	6	22	n.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	943	22	49.7	−5.4	75	1	18	29	32	7.05	.....	2.60	3.5	15	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	533	8	.....	.....	.....	.....	.....	.....	.....	6.47	+3.56	2.37	3.6	18	4	5	22	nw.	Mrs. E. S. Hamlong.
Woodbury, Lock 4†	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.87	.....	1.76	4.0	14	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	8	54.0	.....	83	2	21	29	29	6.55	.....	2.54	2.0	14	7	0	24	nw.	Curtis Purvis.
Beattyville	Lee	650	21	54.0	−3.8	80	4	19	29	32	9.10	+6.75	1.86	2.0	16	4	4	23	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	23	52.2	−6.4	81	4	18	29	31	7.88	+4.80	1.60	5.5	17	4	6	21	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	601	15	.....	.....	.....	.....	.....	.....	.....	6.68	+3.34	1.20	3.8	18	.....	.....	.....	.....	Kelly Waddell.
Cynthiana	Harrison	684	7	.....	.....	.....	.....	.....	.....	.....	6.25	.....	2.41	2.0	16	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	36	.....	.....	.....	.....	.....	.....	.....	5.78	+3.34	2.25	4.0	16	5	5	21	e.	J. V. Oldham.
Farmers	Rowan	668	19	52.0	−4.7	85‖	4	13‖	29	43‖	6.33	+2.96	1.85	3.3	10	5	8	18	w.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	841	0	.....	.....	.....	.....	.....	.....	.....	6.82	.....	3.15	.....	10	.....	.....	.....	.....	C. A. Glascock.
Ford, Lock 10¶	Clark	593	9	.....	.....	.....	.....	.....	.....	.....	4.26	.....	0.78	3.3	16	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	0	.....	.....	.....	.....	.....	.....	.....	4.99	.....	1.73	3.0	12	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	5	.....	.....	.....	.....	.....	.....	.....	4.86	.....	1.57	1.5	9	.....	.....	.....	.....	Percy Humphrey.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Agnes Farley.
Hazard	Perry	869	0	.....	.....	.....	.....	.....	.....	.....	6.48	.....	1.20	2.6	16	.....	.....	.....	.....	Chas. A. Ihrig.
Hoodenberg, Lock 14	Lee	664	8	.....	.....	.....	.....	.....	.....	.....	8.47	.....	1.86	4.0	16	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	0	53.8	.....	83	4	19	29	36	6.64	.....	1.09	2.5	18	8	7	16	sw.	John S. Lane.
Jenkins	Letcher	1566	0	.....	.....	.....	.....	.....	.....	.....	8.37	.....	2.19	.....	17	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	584	21	.....	.....	.....	.....	.....	.....	.....	6.73	+3.87	1.74	1.0	9	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	521	28	.....	.....	.....	18	29	.....	.....	6.05	+3.53	1.92	3.5	14	1	9	21	sw.	Perry E. Bennett
Middlesboro	Bell	1128	29	54.6	−2.8	82	4	19	29	35	7.78	+5.17	2.29	T.	15	17	7	7	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	35	51.5	−4.1	81	2	15	29	33	4.96	+1.99	1.45	4.0	15	4	6	21	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	3	.....	.....	.....	.....	.....	.....	.....	5.95	.....	2.10	5.0	14	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	19	.....	.....	.....	.....	.....	.....	.....	5.90	+3.04	1.12	.....	16	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	0	.....	.....	.....	.....	.....	.....	.....	5.70	.....	1.16	4.0	10	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breath tt	732	0	53.8	.....	83	4	21	29	34	8.65	.....	1.60	4.0	13	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	651	7	.....	.....	.....	.....	.....	.....	.....	8.39	.....	2.17	.....	13	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	34	52.5	−5.9	79	1†	19	29	32	6.93	+4.12	1.23	2.0	17	2	4	25	.....	J. W. Crooke.
Sergent	Fletcher	1295	2	55.2	.....	84	5	22	29	36	6.95	.....	1.80	1.0	15	5	11	15	se.	Mary Rockwell.
Valley View, Lock 9	Madison	541	12	.....	.....	.....	.....	.....	.....	.....	6.12	+2.69	1.43	4.0	17	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	10	.....	.....	.....	.....	.....	.....	.....	7.60	+4.91	3.12	.....	18	.....	.....	.....	.....	Samuel Johnson.
Wayland	Floyd	700	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. F. Mason.
Whitesburg	Letcher	1142	0	.....	.....	.....	.....	.....	.....	.....	6.99	.....	2.00	0.5	18	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	939	28	56.2	−3.3	86	4	20	29	39	6.62	+3.85	1.75	T.	15	10	9	12	.....	Lawrence R. Uhl.
Willow Lock 13	Lee	611	6	.....	.....	.....	.....	.....	.....	.....	8.64	.....	2.00	2.5	11	.....	.....	.....	.....	Shelby Angel.
State averages and extremes				52.9	.....	88	4	13	29	43	7.09	.....	3.15	3.2	15	6	7	18	n.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Hunsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

§Lone Oak.

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. ** Received too late to be included in means and summaries.

¶ Post-office addresses: – Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Lock 10, Scott, Covington, Ky.

T. Precipitation is less than 0.01 inch rain or melted snow.

reported on every day in the month. The first 17 days practically constitute a single rain period, with the heaviest precipitation during the 1st-2d and 12-17th. The 22d, 24-25th, and 28-30th were also periods of general precipitation. Amounts varied between 3.87 inches at Grant (Dam 38, Ohio River) and 11.50 inches at Lone Oak, near Paducah. Thunderstorms were reported on the 4th, 16th, 17th, 23d, and 24th.

Daily Precipitation for October, 1925

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam §.....G	.10	.65		.40					.10			.40	.15	1.90	.10	2.00	.05							.80				T		.50		6.75
Blandville.....M	.64	.89				.37	.21	.18				1.57	.16	1.08		1.45							2.40	.64								8.81
Calhoun.....G	.22	.47		.01	.74		.11	T.				.61	.18	1.13	.09	1.74	.12		T.			.10		1.11				T		.32		7.19
Carlington§.....G	.42	T.		1.45			.41	.16	.01			.95	T.	2.38	.68	2.15	.12					.12		1.80	.04			.4		.24		9.41
Greenville.....G	.10	1.11		.80			.64	.08				.63		2.60	.16	2.30	.06					.09		1.92	.12			T		.24		9.11
Hopkinsville§.....C	.38	1.13		.66			.73	.10	.02			.47	.14	.52	.38	1.33	.06							.10	.12					.45		5.41
Marion.....O	.35	.66		.96			T.	T.	T.	T.	T.	.50	.36	.60	.33	1.52	T.							.80	T.			T		.15		6.00
Mayfield.....M	.43	.75		.10		.54		.30				.70		.65	.25	1.60																
Owensboro§.....O	.11	1.21		.84			.47		T.			.58	.08	.55	.05	2.00						.07		.78	.13			.28		.12		5.17
Paducah (near) ¶.....O	1.20	1.80																														
Paducah ‡.....O	1.04	2.32					1.10	.05				1.55	.15	1.60	.05	1.80	.05															
Princeton.....G	.20	.84	T.	.75		.90	1.00		.01			T.	1.30	.63	.94	.25	1.27							1.25				.65		.45		11.45
Ramsey, Lock No. 2 ‡.....G	.05	.53	.06	.60			.11	.05	.01			1.09	.13	1.15	.10	2.10	.02				T.		2.06	1.05					T.	T.		9.41
Russellville‡.....G		.61	.35	.45			.12	.05				.66	.61	.52	.87	.15	1.74					.09		.92	.05				.04	.58		10.58
							.61	.05	.07			.05	.34	.07	.80	.47	1.00							1.16	.11					.45		6.54
Central Division																																
Anchorage.....O	.12	.11		.20		.21	.15		.12	T.		.54	.11	1.54	.02	2.12	.06				.09	T.		.34	.09			.13		.20		6.18
Bardstown§.....S	.28	1.39		.36			.33		.18			.60		1.16		2.30						.32		.42				.18		.34		7.89
Bowling Green ‡.....G		1.85	.15	.70			.50		.10			T.	.80	.05	.50	.40	1.10							1.15	.15					.25	.18	7.88
Bowling Green, No. 2.....G		1.31	.28	.64			.22		.11			.07	.58	.17	.42	.27	1.26					.12		.91	.11					.31	T.	7.01
Brawnsville, Lock No. 6.....G		.99	.06	.58			.23		.12			.07	1.20		.45	.52	2.30					.12		.93	.11				T.	.20	T.	7.81
Burnside‖.....C	T.	1.85	.38	.28			.29		.22	T.		T.	.46	.04	.74	.37	1.14					.08		.72	.26			T.		.20	T.	7.81
Carrollton ‖ (Lock No. 1).....K		.04	.05	.03			.20		.08	.07			.26	.32	.63	.12	2.25					.05		.67	.16					.10	.06	7.72
Davenport‖.....O	.02	1.86	.03	1.03			.56		.02			.02	.56	.55	.45	.16	1.68					.27		.45	.21			.28	.10	.26		7.72
Fid Spring, Dam 36.....O																						.17		.55	.12			.03	.04	.25	.06	5.72
Fix Dam, Burgin.....K		.90	.01	.10			.51		.03	.11	T.		.69		.60	.35	1.67					.60		.60	.22		.20	T.	.32	.15	T.	
Flubank.....C		1.11		.65						.50		.53			.12	1.08	1.95					.17		.41	.60			.65	.25	.06		6.63
Frankfort‖.....K	.15	.18	T.	.01	T.	T.	.26		.03	.05			.62	.13	.80	.12	2.22	T.				.13	.66	.20				.05	.16	.35		8.34
Franklin‖.....G		.54		.56		.30	.35					.25	.25	.80	.75	1.05						.18		.28	.18			.17	.27	T.		5.58
Frost, Lock No. 3.....K	.05	.20	.12	.10		T.	.20		.08	.10		T.	.50	.24	1.10	.18	2.40					.03	1.05						.30		6.23
Glasgow.....G	1.06	.80		.60			1.00	.20				.60		1.00		.40						.28		.40	.22			T.	.07	.22	T.	6.57
Grant, Dam 38.....O	T.	.24	.12	T.	T.	T.	.11		.03	T.		.16	.42		.31		1.09	T.				.50		.49	.15		T.	T.	.07	.68		7.35
Greensburg§.....G	.53	1.35	.05	.70	.01		1.15	.19	.01	.62		.82	.36	.60	.10	.55	.28	.03						.68	.46			.64		.36		7.92
Hagin Bridge, Lock No. 7.....K		.87	.02	.12			.56		.07	.16			.70	.01	.49	.35	1.50					.15		.41	.85				.06	.25	.02	6.69
Harrington.....O	.52	1.07	T.	1.05		T.	.90		.05			.52	T.	1.06	T.	2.60	.08					T.		.52	.08			.08		.25		7.71
Hardin.....K	.16	1.64		.16			1.01	.01	.34	.01	.74		.30	.85	.09	1.14	.28	.01				.15		.68	.25			.10		.41		8.27
Hitchfield.....G		1.87	.16	.09			.66		.65	.13			.99	.28	.47	.07	1.26							.61	.52							8.35
Hodgenville.....K	.30	1.85	T.	.93			.68		T.				.60	.20	.70	.05	1.95	.25			T.	.22		.30	.10			T.	.04	.24	.08	7.35
Hopkinsville ***.....K	.13	.47		.06		.18	.01	.02	.06				.58		.69	.05	2.06	.12			.13	.04	.09	.21	.06				.40		7.03
Horse Cave, Lock No. 4.....K		.95	.05	.16			.48		T.	.24		T.	.70	.12	.68	.15	.78					.20		.57	.22			T.	.32		5.83
Jeffersville***.....K		.04	.07	.10		.05	.30		.09	.08		.01	.51	.84	.68	.15	2.12					.28		.47	.23			.03	.12	.28		6.41
Jim (Cherokee Park).....O	.24	.20		.28		.41	T.		.04		T.	.57		1.45		1.79					.06		.50	.33	.01			.10	.05	.26		6.43
Jonesville.....G	.02	1.48	.08	1.11			.16		.09			.04	1.25	.13	.46	.30	1.20					.09		.46	.08			.05		.15		6.15
Jonesville, Lock No. 6 ‖.....K	T.	2.30	T.	.98			.66		.65	.13			.66		1.56	.76	T.	.90				.10		.58	.10					.35	T.	7.45
Kent.....K		.95	T.	.15		T.	.15		.10	.30		T.	.60	.16	1.70							.18		.20				.18		.28		8.48
Kelbyville§.....S	.10	.16	T.	.05	.25	.06	.10		.03	.07	T.	.59	.07	.38	.13	1.12	.76				.22	.30	.22					T.	.40			5.55
Kelsorville.....S	.12	.26		.15		.22	.15		.04	.05		.23	.10	1.41	.04	2.51	.12	.01			T.	.69		.62	.20			.17		.42		5.87
Keene, Lock No. 5 ‖.....K		.66	.02	.05			.28		.03	.26		.40	.25	1.05	.03	1.85	.06				.05	.18		.46	.18			.29		.31		6.88
Kilmanstown§.....L	.06	.37		.01		.03	.27		.03	.01		.36	.17	1.13	.10	2.37	.04					.22		.43	.14			.04		.31		6.98
Knobbury, Lock No. 4 ‖.....G		.98	.24	.57			.16		.20			.08	.81	.06	.54	.15	1.76					.20		.40	T.			.12	.28	T.		7.65
																						.47		.40	.16			.18		.31		6.47
Eastern Division																						.04		.98	T.				T.	.40	T.	6.87
Ashland ‖.....O		.34	.16				.02		.03	.04		.02	.80		.63		2.54															
Cattyville‖.....K		.80	.20	T.			.84		.04	.04			1.32	.48	1.42	.04	1.86		T.			.48		.10	.85				.21	.20	6.75
College Hill, Lock No. 11 ‖.....K	.03	1.10	.45	.05		T.	.93		.10	.19		.82	.40	.63	.68	.75	.85					.18		.26	.98			.04	.22	.28	9.10
Dunbar‖.....L	.02	.31	.23	.06	T.		.30		.06	.34	T.		.70	.10	.90	.10	1.20					.11		.58	.61			.05		.60		7.88
Falmouth‖.....L	.03	.40		.03		T.	.11		.04	.09		.08	.15	.07	.75	T.	2.25					.20		.25	.50				.05	.15	.20	6.08
Farmers‖.....L			.20		.20		.40		.11				.93	T.	.85	T.	1.85					.44		.25	.28				.10	.34	.02	6.95
Greensburg‖.....L		.20		.20			.40		.11				.64		.70		3.15					.53		.30	.17		T.	.18	.26	T.	5.78
Grd, Lock No. 10 ‖.....K	T.	.58	.04	.02	T.	T.	.38		.02	.05			.66	.40		.62	1.78							1.07				.10	.32	T.	6.33
Grayson.....O		.45		.02			.11						.70	T.	.59	.10	.78	T.			.56			.46	.26			.46				6.82
Grassump, Dam 30‖.....O		.18											.06	.40		.62	1.78					.16		.29	.25			.02	.20	.07	4.26
Harlan.....K													.16	1.05		.50	1.57					.37		.17	.37			.08		.41		4.59
Harrard‖.....K																						.49			.47	T.		.22	.18			4.96
Heidelberg, Lock No. 14‖.....K		.17	.11	T.	.09	T.	.38	T.	.31	T.		.05	.44	T.	1.20	.53	.78	T.	.03	.01												
Hickman.....K		.76	.17			T.	.85		.06	.06			1.13	.09	1.39	.20	1.80		T.					.45	.12	T.			.63	.38	6.38
Hickus‖.....K	.05	.86		.04	.03		.45		.38	.18		.28	.50	.48	.77	.53	.22		.04			.17		.28	.88			.05	.29	.23	8.47
Hisa.....K					.18		.25		.43	.15			.42	.11	1.25	.18	.96		.05	.15		.18		.33	1.09				.20		6.14
Hyssville‖.....B		.12	.46				.22						.95		1.18	.09	1.43							.75	2.18				.20	.12	.55	8.87
Iddlesboro.....O	T.	.26	.51	T.	T.		.06		.18	.01		.08	.62	T.	.88		1.99	T.				.58		.18	.36	T.			.10	.31	T.	6.05
Int Sterling §.....L		.02	.12		.16				.09	.12	.16		.18	1.10	.65	.42	.84							.10	.29				.48	.15	7.58
Louta Dam 35.....O	T.	.20	.17	T.	.07		.11		.02	T.		.44	.51	.28	.08	1.45								.80	2.29							
Neville‖.....B		.42	.12	.12	.06		.48		.12	.08		.25		.55	.60	T.	2.10					.24		.18	.35			.19	T.		.26	4.96
Stonsburg.....B		.61	.31				.46						.72	T.	1.12	.12	.82		.08	T.		.83		.38	.25		T.	.12	.30			5.55
Teksaud.....K		.70	.10				.65			.80			1.05	T.	1.16	T.	.66					.10		.20	.82					.30		5.70
Vienna, Lock No. 12‖.....K		1.40	.15	.10	T.		.60		T.	T.		T.	1.30		1.60	.40	.95					.20		.58	1.56	T.			T.	.20	.27	8.05
Vincent§.....K	.32	1.23	.01	.04		.05	.30		.03			T.	1.25	T.	.84	T.	2.17		T.			.17		.32	.88			.05	.14	.22	8.39
Wavy View, Lock No. 9‖.....K	.20	.50			.35		.25		.55			.15		.70	.80	.35	.10					.40	.70				.07		.43		6.93
Wickenburg, Dam No. 32‖.....O	.25	.50	T.	.30	T.	.15	.30	T.	.10	.30	T.	.50	.10	.95	.20	1.45	.17					.25		.40	1.80					.25	.20	6.95
Woodland‖.....O	.03	.42	.10		.05		.10		.08			.23	.61		1.12	.01	3.12	.01				.30		.30	.20	T.		.20	T.	.15		6.12
Woodsbarch‖.....B																						.62		.30	.40				.16	.22	.02	7.60
Wynnsburg.....K		.45	.01		.04		.07	T.				.34	.00	.46	1.10	.18	.84		T.	.03		.30		.30	2.00	.03			.03	.06	.42	6.59
Yellow, Lock No. 13‖.....K		.73	T.				.62					T.	1.20		2.40	.22	1.85					.15		.25	1.65				T.	.27	.20	8.64

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland Tennessee; (O) Ohio; (M) Mississippi. ¶Lone Oak.

MISCELLANEOUS.

Oct. 16: Tornadic conditions, evidently belonging to the same storm, prevailed g a narrow path about 160 miles in length, extending from Warren to Estill County. ornado touched at widely separated intervals in a path 150 yards to one-fourth wide. The heaviest damage was in Warren, Hart and Marion counties. One person was killed, 11 seriously injured, and 33 received minor injuries. The damage was estimated at $250,000.

Another tornado struck Alloway, a mining camp in Perry County, killing one person, injuring nine, and causing damage estimated at $5,000.

Rivers: Small streams started generally during the second week, and the flow increased gradually to moderate stages by the end of the month.

Daily Temperatures for October, 1925.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	80	73	76	82	77	71	72	64	62	57	63	63	64	67	68	67	68	62	58	55	60	55	68	68	56	65	58	54	43	39	42	63.1
	Minimum	64	64	63	62	47	52	55	50	45	38	33	53	55	57	59	56	50	49	55	49	58	58	64	64	59	59	55	47	36	32	41	61.5
Blandville	Maximum	72	79	78	84	68	78	76	63	60	52	63	58	67	68	63	58	54	57	47	45	32	30	35	38	41	51	39	40	29	29	22	26	23	44.1
	Minimum	63	65	60	68	46	48	52	58	43	31	37	49	55	58	54	57	47	46	58	49	55	53	65	63	55	52	55	53	37	37	41	61.1
Calhoun	Maximum	82	75	74	78	76	70	70	63	61	51	60	60	64	67	67	72	68	60	55	28	32	30	33	49	39	52	40	39	29	26	29	24	24	45.6
	Minimum	65	65	63	63	49	53	54	53	47	47	36	54	57	56	58	57	56	45	35	30	33	49	39	52	40	39	54	52	55	51	35	33	42	61.5
Earlington	Maximum	77	77	79	84	68	70	68	62	57	55	61	61	65	68	71	70	69	62	58	47	58	55	68	68	54	62	55	51	35	33	42	23	44	7
	Minimum	66	67	60	64	48	51	55	57	45	37	33	52	56	58	58	58	60	52	39	40	32	39	40	44	43	60	46	35	34	29	27	21	28	24	44.0
Greenville	Maximum	81	74	81	84	82	70	69	64	62	63	65	62	63	65	70	69	70	62	60	53	61	57	69	69	60	65	59	59	40	41	41	64.5
	Minimum	61	64	61	62	4	52	54	57	47	36	32	50	55	57	59	56	49	46	33	26	30	33	38	38	45	40	34	29	27	21	28	24	44.0
Hopkinsville	Maximum	80	78	81	86	79	73	71	63	62	58	67	64	73	71	69	70	69	62	57	53	60	59	72	69	58	66	59	56	30	28	22	27	24	43.6
	Minimum	62	63	60	64	48	50	54	55	45	36	30	48	56	55	59	58	60	46	42	34	25	29	46	40	56	30	36	30	28	22	27	24	23	43.0
Marion	Maximum	85	76	77	79	80	68	72	65	61	52	57	62	62	66	66	68	67	46	33	30	35	39	41	54	39	37	30	25	22	27	23	44.8
	Minimum	67	65	61	65	48	55	52	57	45	31	40	52	55	57	54	58	47	46	39	51	56	57	70	66	53	61	56	57	44	38	47	65.0
Mayfield	Maximum	77	81	81	86	80	78	76	68	61	65	66	66	69	70	71	70	73	61	59	51	56	57	45	50	46	35	29	27	24	30	21	45.5
	Minimum	67	65	61	69	50	50	55	56	46	22	35	51	56	60	56	59	60	44	35	29	36	40	42	52	40	40	32	27	29	33	44	60.2
Owensboro	Maximum	76	74	73	79	72	69	68	62	60	55	56	58	64	68	66	69	70	58	56	50	58	52	66	69	59	58	52	47	35	29	25	25	22	44.2
	Minimum	64	64	62	61	48	54	51	56	46	34	36	52	53	55	55	55	47	46	32	28	30	33	38	38	32	37	45	50	46	35	27	24	23	64.2
Paducah (near)	Maximum	79	81	80	86	75	80	75	59	56	67	62	66	67	68	71	70	60	58	60	58	60	55	58	66	63	55	61	58	52	38	41	47	64.2
	Minimum	66	66	61	70	48	50	54	57	46	32	39	53	56	59	55	59	48	47	33	40	30	40	41	51	40	41	51	40	41	35	27	24	23	45.8
Princeton	Maximum	73	78	78	83	74	73	71	62	58	54	63	60	64	67	68	69	69	58	56	51	56	56	68	66	52	60	54	48	41	39	42	61.7
	Minimum	66	64	59	66	49	53	53	58	45	36	36	51	56	58	56	58	49	46	34	28	30	39	39	52	40	38	30	27	22	27	24	23	24	44.8
Russellville§§	Maximum	76	73	83	86	69	71	65	62	53	53	69	61	73	70	75	72	55	61	49	51	59	65	70	70	52	62	52	42	36	31	34	22	25	25	45.1
	Minimum	60	65	62	64	51	50	54	56	52	36	34	41	54	59	61	60	53	41	36	28	32	38	39	58	42	62	38	39	58	42	36	31	34	22	25	25	45.1
Central Division.																																	
Anchorage	Maximum	69	76	76	79	69	70	64	63	54	53	53	57	60	65	68	67	67	57	52	51	55	50	61	65	51	59	53	35	37	39	41	58.6
	Minimum	62	64	61	60	44	51	52	51	40	30	31	50	52	51	57	51	44	38	29	27	27	30	35	46	32	36	32	27	21	14	26	25	40.6
Bardstown	Maximum	71	73	79	81	71	75	66	66	69	55	58	58	61	67	70	68	69	60	55	53	57	52	62	66	56	62	58	46	41	38	40	40	61.7
	Minimum	59	64	63	63	47	54	54	55	45	32	30	54	54	56	56	56	50	49	60	54	54	60	55	70	74	61	64	59	48	42	39	35	42.8
Bowling Green	Maximum	79	70	79	85	76	71	67	63	61	48	63	69	73	66	72	73	69	60	54	54	60	55	66	74	60	65	60	40	35	30	29	21	19	25	43.9
	Minimum	60	63	63	63	50	50	55	57	46	35	33	44	48	57	60	61	51	43	35	27	30	40	36	55	40	35	30	29	21	19	25	40	60.8
Dix Dam	Maximum	75	83	72	85	78	70	74	67	62	56	57	57	66	68	73	72	57	61	47	50	52	51	66	74	46	60	52	33	28	29	25	29	23	43.1
	Minimum	57	59	62	52	50	50	53	53	51	32	32	52	53	53	56	56	56	43	36	31	33	34	53	56	38	45	47	42	36	38	62-8							
Eubank	Maximum	71	85	84	80	84	82	78	66	62	60	62	60	64	66	67	73	74	68	56	50	50	53	68	72	65	56	52	32	27	32	19	23	24	42.3
	Minimum	58	54	53	53	49	56	55	42	41	34	29	50	54	56	51	58	55	45	47	24	30	35	37	52	32	27	27	32	19	22	24	42.3
Frankfort	Maximum	77	77	77	80	77	71	68	65	63	50	56	60	61	66	71	66	66	62	53	49	53	53	60	69	60	60	62	34	31	28	30	29	61.4
	Minimum	62	64	63	63	50	55	54	54	47	33	33	52	53	56	61	56	56	43	36	33	31	36	38	49	42	34	31	28	28	30	29	28	20	20	167.8
Franklin	Maximum	...	80	...	85	83	...	...	...	...	...	...	63	68	70	74	72	70	68	66	61	...	58	56	72	74	60	60	...	74	60	60	...	28	...	*42.7
	Minimum	54	55	61	58	57	59	56	40	39	35	32	46	50	50	51	52	49	42	34	26	30	38	56	66	66	72	73	65	46	55	46	49	19	14	65.7
Glasgow	Maximum	75	69	79	83	84	72	68	69	63	55	64	65	74	76	77	77	71	57	59	54	52	52	56	66	56	72	73	58	29	27	22	20	22	20	22	43.3
	Minimum	62	64	65	64	63	50	55	54	44	35	34	36	51	53	57	52	52	44	42	24	31	30	30	52	39	38	29	27	25	23	24	23	23	24	23	42.3
Greensburg	Maximum	75	70	76	83	77	72	68	66	60	50	61	62	64	67	74	75	71	59	53	51	55	65	62	72	65	63	53	48	43	39	37	40	62-5					
	Minimum	57	63	64	60	49	50	55	54	45	35	29	47	54	56	60	56	52	43	36	25	28	35	52	55	46	50	54	56	62	66	50	59	53	45	39	37	40	43.3
Irvington	Maximum	74	72	76	79	79	68	63	62	60	51	55	58	60	67	66	68	68	58	55	50	54	56	62	66	50	59	53	45	39	37	40	42	59-7					
	Minimum	63	62	63	62	49	56	54	55	41	34	35	53	54	56	60	56	49	44	34	31	34	38	39	50	39	35	32	27	23	22	24	28	28	41.5
Junction City	Maximum	74	80	79	82	80	74	70	66	63	62	60	60	60	69	72	73	72	64	55	59	55	55	65	75	62	63	57	45	44	40	43	63-8						
	Minimum	55	64	62	51	47	52	53	51	45	31	27	50	54	55	55	51	51	35	35	30	35	38	50	35	30	28	24	16	25	33	42-8							
Leitchfield	Maximum	70	69	76	80	64	68	66	64	60	54	60	56	62	67	68	68	67	58	53	52	57	55	67	70	53	63	57	46	41	37	40	34	60-1					
	Minimum	62	64	64	62	49	52	54	57	45	34	34	52	55	57	60	57	50	42	34	29	32	39	38	53	43	35	34	30	29	21	29	25	44	57-2				
Lexington	Maximum	69	70	73	75	64	68	60	62	56	48	54	56	56	65	68	67	67	47	46	34	31	32	34	38	48	39	36	34	22	21	28	29	43-3					
	Minimum	60	62	64	59	48	52	52	51	38	31	37	52	50	56	58	60	65	46	34	32	34	54	49	54	48	60	65	48	57	52	45	36	38	41	58-3			
Louisville	Maximum	69	74	74	78	67	67	63	63	58	52	55	58	60	65	66	69	69	54	53	49	46	34	33	36	36	40	47	39	37	33	25	22	29	28	44-6			
	Minimum	63	64	65	60	51	54	52	53	40	35	37	53	53	56	57	55	49	46	34	33	36	36	40	47	39	37	40	34	33	28	24	16	25	33	42-8			
Louisville (Cherokee Park)	Maximum	77	73	77	77	76	67	65	62	62	48	53	57	59	65	66	66	68	54	54	48	53	53	60	65	56	63	51	50	36	37	41	59-0						
	Minimum	62	64	64	63	50	54	53	53	45	33	35	50	52	55	57	54	50	42	35	33	34	36	37	47	40	34	33	28	25	21	28	27	44-1					
Louisville (Crescent Hill)	Maximum	67	75	76	81	75	70	68	66	65	63	63	58	63	64	66	68	68	58	56	46	56	46	58	66	60	65	71	63	54	45	41	38	36	38	60-6			
	Minimum	62	64	64	62	49	52	54	53	53	45	33	35	50	52	55	57	54	50	41	32	26	29	26	40	49	27	30	32	20	26	24	26	42-5					
St. John	Maximum	63	63	63	63	47	52	53	50	48	45	32	48	48	45	56	56	54	50	41	32	26	29	36	40	49	27	30	32	20	26	24	26	42-5					
	Minimum	63	63	63	63	47	52	53	50	48	45	32	48	48	45	56	56	54	50	41	32	26	29	36	40	49	27	30	32	20	26	24	26	42-5					
Scott	Maximum	70	75	71	73	60	61	63	61	57	50	51	53	56	62	60	50	67	56	52	45	48	48	56	58	54	57	59	53	44	39	39	43	59-7					
	Minimum	60	63	61	61	45	51	45	46	43	30	31	44	49	51	54	49	48	38	32	21	30	32	33	49	39	37	38	25	23	29	28	44-6						
Shelbyville	Maximum	70	76	76	77	72	70	64	63	62	52	54	58	60	66	67	67	68	59	49	41	32	28	28	33	36	47	38	32	29	26	18	28	24	42-1				
	Minimum	61	62	63	62	46	52	51	51	38	31	32	50	51	54	59	53	49	48	38	32	28	33	49	60	69	58	59	51	48	37	37	41	60-1					
Taylorsville	Maximum	77	73	76	78	74	69	66	63	61	49	55	57	59	66	68	67	68	58	50	38	36	35	49	42	32	29	28	26	18	30	26	44-5						
	Minimum	64	64	64	64	70	51	54	55	55	44	34	32	51	53	54	60	55	61	42	35	30	28	36	50	58	62	59	55	50	46	35	37	41	57-8				
Williamstown	Maximum	77	74	72	71	74	73	64	63	62	61	48	51	56	57	63	66	63	67	60	56	49	49	50	58	62	59	55	50	46	35	37	41	57-8					
	Minimum	60	63	62	63	41	52	51	45	44	28	32	48	50	52	58	53	49	41	33	29	30	32	35	42	36	32	31	26	18	28	26	41-6						
Eastern Division.																																	
Ashland	Maximum	80	83	79	81	75	66	65	67	64	49	59	59	60	65	73	72	75	63	62	50	51	56	58	68	69	70	61	60	52	37	37	43	62-7					
	Minimum	65	68	61	65	50	55	58	44	45	33	30	51	53	53	60	58	55	49	41	35	32	34	34	44	45	35	38	32	27	21	30	33	43-4					
Beattyville	Maximum	77	69	78	80	74	75	67	66	65	60	60	61	62	67	76	74	75	61	55	54	52	52	64	73	73	64	66	48	45	38	39	63-4						
	Minimum	59	63	61	61	53	51	53	54	44	36	30	51	54	55	60	57	54	48	39	29	50	51	45	61	72	66	64	52	46	41	35	38	60-8					
Berea	Maximum	77	69	75	81	71	72	69	64	61	47	59	55	59	66	74	73	72	59	56	50	51	45	57	69	39	32	31	28	18	29	24	43-6						
	Minimum	57	63	62	61	50	52	53	52	42	32	30	52	54	55	61	57	53	45	37	30	33	35	37	49	39	55	55	68	74	70	63	60	49	40	57	47	164-8	
Farmers	Maximum	77	72	...	85	74	70	67	70	61	58	63	61	60	66	77	69	73	66	59	55	55	...	29	42	40	28	45	24	13	27	29	39-7						
	Minimum	53	60	...	58	45	48	51	44	42	24	20	47	48	48	57	53	51	41	36	27	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Harlan	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hindman	Maximum	79	72	80	83	70	70	67	67	66	50	62	66	69	78	72	73	73	63	57	51	52	48	68	64	64	68	63	53	41	37	41	63-4						
	Minimum	56	64	61	58	55	48	54	57	48	30	26	47	55	57	61	59	56	51	40	27	27	37	29	41	45	38	34	26	19	31	32	44-2						
Maysville	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	58	64	64	64	51	50	51	44	45	32	28	48	52	53	60	54	52	43	38	31	30	32	35	44	42	32	37	30	18	30	32	43-4						
Middlesboro	Maximum	78	72	80	82	75	75	68	69	63	58	61	73	72	70	76	73	73	68	61	55	53	53	52	62	62	66	64	60	57	53	47	51	65-5					
	Minimum	61	61	61	57	57	45	57	57	47	32	26	41	56	61	59	62	55	48	40	28	24	23	24	32	47	38	32	30	27	19	30	30	43-6					
Mount Sterling	Maximum	80	81	79	77	74	74	74	72	58	53	59	61	68	73	74	75	73	62	55	51	44	36	29	28	35	33	44	40	40	30	30	22	15	30	29	41-6		
	Minimum	59	58	56	55	49	52	52	51	50	28	26	50	50	52	62	55	51	44	36	29	28	26	31	37	50	59	69	65	60	64	60	50	42	39	40	63-6		
Quicksand	Maximum	77	70	79	83	72	76	66	68	68	63	61	62	63	68	76	72	72	62	59	53	54	46	36	32	30	36	47	40	37	35	28	21	31	32	43-9			
	Minimum	59	56	62	60	55	52	53	56	39	31	29	49	55	57	60	58	46	50	36	30	30	30	30	59	69	65	60	55	45	41	37	40	59-9					
Richmond	Maximum	79	70	74	79	74	70	64	62	60	49	56	57	59	65	72	70	70	60	55	47	35	30	32	34	37	37	40	35	33	26	19	30	29	45-1				
	Minimum	65	67	65	68	54	54	52	53	46	34	30	50	52	54	64	58	56	46	32	30	30	30	30	59	69	65	60	56	46	42	45	45-4					
Sergent	Maximum	81	72	81	81	81	77	73	66	64	50	64	69	71	67	77	76	78	65	64	51	51	50	64	68	67	66	60	58	46	42	32	31	44-9					
	Minimum	58	63	61	53	57	49	55	56	49	33	28	48	55	58	61	60	55	41	28	28	38	30	46	57	70	72	67	60	60	58	46	42	45	67-4				
Williamsburg	Maximum	76	76	82	86	78	82	66	63	54	68	74	78	71	80	82	78	79	63	61	55	49	39	26	29	39	36	52	48	33	30	31	20	32	32	45-1			
	Minimum	57	66	62	60	55	48	56	57	48	33	29	42	57	60	63	61	55	49	39	26	29	39	36	52	48	33	30	27	20	32	32	45-1						

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* [illegible] respectively 1, 2, 3 etc., days missing from record.

W B O Louisville, 11-28-25 950

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
VOL. XXX LOUISVILLE, KY., NOVEMBER, 1925. No. 11.

GENERAL SUMMARY.

Temperature conditions were variable, but unseasonably cold weather predominated. Precipitation averaged considerably above normal, and its frequency interfered greatly with farm work. In the first two weeks corn could be gathered only on occasional days, and molding in damp shocks continued. In a period of fair weather of about ten days duration, following the 15th, this work advanced at a fairly satisfactory rate; but fields remained so soft that they could scarcely be traversed with full loads. Fodder became so blackened and decayed as to seriously impair its feeding value. The same conditions that hindered the gathering of corn also hampered the picking of cotton. The damp weather kept tobacco in stripping order most of the time, which made it possible to strip at times when outdoor work could not be carried on. Progress with this work was therefore somewhat better than usual in November. Because the weather prevented the completion of seeding in October preceding, some wheat was sown during the first week. On account of persistent rains wheat sowing could not be finished. Wheat grew slowly during the short periods of warm weather, but temperatures frequently below freezing and lack of sunshine checked its development and rendered it practically dormant. Although the plants were generally small, they appeared to be well rooted and vigorous. Germination was good and satisfactory stands resulted, even in the latest sown. Rye and grass pastures continued fairly good during the first three weeks, only moderate feeding being required to supplement the grazing furnished. Stock continued to improve in condition. Dirt roads softened as in winter, and work on highways was seriously handicapped by rain and mud.

TEMPERATURE.

The average temperature for the State, 44 stations reporting, was 44.9°, which is 1.4° below normal. Short periods of moderate temperature alternated with cold spells when daily means ranged from 8° to 15° below normal. Maximum temperatures were generally low, and minimum temperatures below freezing were registered on most days after the first week. The highest for the State was 73° at Greensburg on the 7th, and at Franklin and Hopkinsville on the 14th. The lowest was 8° at Farmers on the 24th.

PRECIPITATION.

The average precipitation for the State, determined from the reports of 80 stations, was 5.13 inches, which is 1.60 inches in excess of normal. Its areal distribution was fairly uniform. In the northern and eastern counties monthly amounts ranged between 4.0 and 5.5 inches at most stations, and were generally largest in the bluegrass region. Precipitation was somewhat heavier in the south-central and western counties, varying generally between 5.0 and 7.0 inches. From 0.5 to 2.0 inches of snow occurred in the bluegrass section, but snowfall diminished to mere flurries toward the south and east. Moderate to heavy rains occurred in the periods 5-8th, 12-13th, and 26-27th; and there were showers ending with snow in the period 15-16th. Amounts for the State varied between 3.34 inches at Pikeville and 7.42 inches at Mt. Sterling. Thunderstorms were reported on the 7th and 26th.

MISCELLANEOUS.

Rivers:—Heavy rains caused a sharp rise in the Ohio to moderately high stages between the 8th and 18th. A moderate freshet occurred in the upper Green on the 29th.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour	Direction.	Date.
Cairo .....Ill.	30.14	30.63	17	29.55	7	6261	8 7	33	nw.	15
Cincinnati .....Ohio	30.15	30.63	17	29.43	12	5946	8 3	34	sw.	15
Evansville.....Ind.	30.16	30.66	17	29.52	15	8093	11 2	40	sw.	7
Lexington .....Ky.	30.17	30.63	17	29.51	12	10446	14.5	56	sw.	7
Louisville .....Ky.	30.16	30.67	17	29.46	15	8118	11.3	39	sw.	15

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo .....Ill.	85	64	66	185.0	305.6	61	12	8
Cincinnati .....Ohio.	82	61	76	129.8	301.5	43	9	12
Evansville.....Ind.	80	61	64	169.0	303.7	56	14	9
Lexington .....Ky.	85	70	.....	107.3	303.7	35	8	17
Louisville .....Ky.	78	68	70	142.9	303.7	47	11	12

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more rain.
1889	43.1	−2.2	85	10	6.64	+2.51	..
1890	48.6	+2.3	81	19	4.87	+1.34	..
1891	43.5	−2.8	82	19	6.04	+2.51	..
1892	42.8	−3.5	78	9	3.85	+0.32	..
1893	44.3	−2.0	79	−2	3.12	−0.41	..
1894	43.3	−3.0	80	8	1.32	−2.21	4
1895	45.8	−0.5	85	16	4.29	+0.76	8
1896	49.3	+3.0	80	11	2.00	−1.48	8
1897	47.8	+1.5	78	12	4.69	+1.16	10
1898	43.2	−3.1	80	10	2.79	−0.74	8
1899	49.8	+3.5	79	20	2.12	−1.41	8
1900	47.0	+0.7	83	15	7.78	+4.25	8
1901	41.8	−4.5	82	11	1.72	−2.01	4
1902	53.4	+7.1	86	20	4.42	+0.89	11
1903	42.5	−3.8	81	5	3.01	−0.52	8
1904	44.7	−1.6	79	14	0.89	−2.64	4
1905	46.4	+0.1	79	14	3.55	+0.02	7
1906	46.1	−0.2	83	11	5.04	+1.49	7
1907	44.2	−2.1	75	15	3.49	+0.64	7
1908	48.6	+2.3	80	8	2.61	−0.92	7
1909	54.7	+8.4	86	19	2.29	−1.24	6
1910	41.1	−5.2	78	11	2.64	−1.49	6
1911	41.6	−4.7	85	9	4.51	+0.98	8
1912	45.2	−1.1	82	10	1.22	−2.31	4
1913	50.5	+4.2	81	8	3.25	−0.28	9
1914	46.9	+0.6	83	5	1.23	−2.30	5
1915	49.8	+3.5	85	16	4.80	+1.27	9
1916	47.8	+1.5	83	8	1.52	−2.01	4
1917	44.3	−2.0	78	11	1.23	−2.30	6
1918	46.1	−0.2	77	19	1.90	−1.63	6
1919	47.4	+1.1	78	16	7.31	+3.78	9
1920	44.7	−1.6	79	10	2.21	−1.32	8
1921	49.8	+3.5	79	20	7.96	+4.43	12
1922	48.3	+2.0	87	10	1.93	−1.60	6
1923	46.4	+0.1	85	16	3.65	+0.12	9
1924	47.7	+1.4	83	13	1.82	−1.71	9
1925	44.9	−1.4	73	8	5.13	+1.60	7

Climatological Data for November, 1925.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days					Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	21	46.4	−0.5	71	11	20	24	37	6.25	+3.07	1.80	0	7	13	9	8	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	43	46.2	−1.1	70	14	23	24	32	4.86	+0.79	1.66	0	10	10	11	9	sw.	E. W. Horr.
Calhoun	McLean	437	21	45.9	−2.3	69	14	20	24	34	5.97	+2.51	1.55	T.	7	9	12	9	nw.	W. A. Taylor.
Carlington	Hopkins	420	35	45.4	−2.5	66	13	19	24	32	5.81	+2.07	1.74	0	6	15	4	11	sw.	Brick Southworth.
Greenville	Muhlenburg	524	29	47.0	−1.5	73	14	19	24	39	6.19	+2.01	2.20	0	9	14	2	14	s.	C. R. Lovell.
Hopkinsville	Christian	571	27	46.4	−1.9	71	15	23	23	37	5.24	+1.52	1.55	0	8	10	6	14	s.	B. C. Paris.
Marion	Crittenden	364	16	[a]44.6	−4.7	70[b]	14	21[a]	23	30[c]						[a]9	[a]5	[a]3		N. E. Douthit.
Mayfield	Graves	479	28	45.8	−1.4	68	7†	20	24	32	5.00	+1.54	2.11	0	6	14	5	11	s.	Henry S. Berry.
Owensboro	Daviess	516	8	48.0		71	14	24	28	36	5.15		1.70	0	6	21	1	8	se.	J. W. Lilley
Paducah (near)§	McCracken	341	36								5.04	+1.24	1.40	0	8					Frank L. Brown.
Paducah	McCracken	529	18	45.8	−1.1	70	14	21	24	36	4.83	+0.71	1.68	0	8	11	8	11	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	1								5.92		1.90	0	8					Thos. L. Wetzell.
Rumsey, Lock 2‡	McLean	590	14	44.7	−3.1	70	7†	19	24	34	6.01	+2.39	2.05	0	10	14	1	15	s.	Wm. Shelton.
Russellville	Logan																			
Central Division.																				
Anchorage	Jefferson	700	24	42.5	−1.8	67	7	15	24	37	4.91	+1.96	2.06	T.	6	13	4	13	sw.	C. E. Barret.
Bardstown	Nelson	637	28	45.0	−2.0	71	7†	11	24	42	4.94	+1.56	1.60	0	6	11	1	18	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	46.3	−1.0	72	14	18	24	34	5.99	+2.38	1.95	0	9	12	3	10	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0								6.19		1.89	0	10					J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	8								6.80		2.67	0	9					Virgil M. Whalin.
Burnside	Pulaski	773	34								4.40	+1.19	1.56	0	8					F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	26								5.29	+2.36	1.82	0	11					Charlie Oliver.
Cloverport	Breckenridge	422	11								5.56	+1.93	1.68	T.	8					W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	0								5.47		1.61		12					W. L. Patchell.
Dix Dam, Burgin	Mercer	770	1	[a]43.6		71[a]	7	19[a]	24	34[a]	5.16		1.79	T.	10	9[c]	8[c]	13[c]	s.	Geo. Henry Ellis.
Eubank	Pulaski	1177	31	[a]44.4	−0.7	68[d]	14	19	24	36	5.08	+1.91	1.60	0	10	10	4	16	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	33	44.9	−1.5	71	7	19	24	42[d]	4.13	+0.72	1.08	T.	9	15	2	13	w.	Sidney Wood.
Franklin	Simpson	691	30	[b]47.6	−2.2	73[i]	14	18[b]	24	36[p]	5.73	+2.08	1.80	0	6	10	8	12	n.	Jos. H. Blewett.
Gest, Lock 3	Henry	449	14								5.32	+2.22	1.54		11					Albert Purvis.
Glasgow	Barren	780	4	46.4		72	7†	19	24	40	6.17		2.00	0	6	13	6	11	s.	Dr. Fidella Edwards.
Grant, Dam 38	Boone	506	0								5.16		1.55	1.5	11					W. L. Patchell.
Greensburg	Green	581	32	44.8	−0.4	73	7	13	24	41	5.90	+2.49	1.79	T	12	8	4	18	s.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	550	23								5.06	+1.89	1.86	0	10					Miss Lulu Wood.
Irvington	Breckenridge	646	27	45.2	−1.5	69	7	21	23†	34	5.28	+2.07	1.63	T	6	13	4	13	sw.	W. J. Piggott.
Junction City	Boyle	985	31	44.2	+0.3	71	7	13	24	38	7.10	+3.86	2.20	T.	14	10	14	6	se.	William E. Grubbs.
Lancaster	Garrard	1032	0								5.20		2.12		11					L. J. Vanhook.
Leitchfield	Grayson	635	29	46.1	−0.4	69	7†	22	9†	33	5.75	+1.79	1.75	0	7	14	8	8	s.	H. H. Willis.
Lexington	Fayette	989	37	43.3	−1.5	68	7	20	24	24	4.52	+1.04	1.52	0.3	8	8	5	17	sw.	U. S. Weather Bureau.
Little Hickman, Lock 8§	Jessamine	523	14								5.03	+2.33	2.00	0.2	9					Horace Cauter.
Lockport, Lock 2	Henry	476	15								5.55	+2.64	2.30	2.5	7					Andrew J. Keenan.
Louisville	Jefferson	525	52	45.1	−1.6	69	7	22	24	29	3.89	−0.29	1.67	T.	8	7	10	13	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	15	45.0	−1.6	67	7	20	24	32	4.79	+1.53	2.03		7	9	8	13	s.	Wm. I. Hunt.
Munfordville	Hart	600	0								6.52		2.70	0	10					W. F. Nichols.
St. John	Hardin	777	29	44.4	−1.3	67	7	14	24	33	5.00	+1.47	1.60	0	6	16	5	9		Sisters of Loretto.
Salvisa, Lock 6§	Mercer	490	11								5.35	+3.00	1.75		8					Ernest M. Searcy.
Scott§	Kenton	900	27	42.1	−2.9	64	7	18	9†	32	5.16	+2.36	1.43	1.8	10	7	8	15	w.	E. B. Wilson.
Shelbyville	Shelby	825	36	43.8	−0.6	68	7	17	24	36	4.49	+1.08	1.26	0	10	16	3	11	e.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	23	44.0	−0.8	70	7†	17	24	32	4.58	+1.25	1.54	T.	8	12	5	13	s.	E. D. Bourne.
Tyrone, Lock 5§	Anderson	943	22	42.4	−2.7	65	7	17	24	32	3.85		1.07		7					H. K. Vaughn.
Williamstown	Grant	533	8								5.84	+3.11	1.77	0.4	8	11	8	11	w.	Mrs. E. S. Humlong.
Woodbury, Lock 4‡	Butler										6.69		2.45	0	9					J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	8	44.3		70	8	19	29	34	4.98		1.13	T.	13	9	0	21	sw.	Curtis Purvis.
Beattyville	Lee	650	21	44.6	−0.3	72	7†	12	24	40	4.79	+1.85	1.25	0	11	8	3	19	w.	Mrs. Sabina E. Hall.
Berea	Madison	1070	23	44.5	−2.8	70	7	18	24	35	5.19	+2.09	1.82	0.5	12	8	8	14	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	601	15								5.48	+2.71	1.90	0.2	11					Kelly Walden.
Cynthiana	Harrison	684	7								4.95		1.42		9					P. H. Kehoe.
Falmouth	Pendleton	600	36								5.28	+2.11	2.05	T.	9	10	2	18	se.	J. V. Oldham.
Farmers	Rowan	668	19	[a]42.6	−2.2	71[b]	14	8[b]	24	46[b]	4.66	+1.60	1.50	T.	7	11	6	13	e.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	841	0								4.16		1.20		6					C. A. Glascock
Ford, Lock 10§	Clark	553	9								5.28	+2.37	1.93	0.3	12					John A. Walters.
Grayson	Carter	589	0								3.82		0.97		8					Col. Frank Powers.
Greenup, Dam 30	Greenup	540	5								4.18		1.48	0.0	4					Percy Humphrey.
Harlan	Harlan	1197	1																	Mrs. Agnes Farley.
Hazard	Perry	869	0								3.75		0.80	T.	9					Thos. A. Ihrig.
Heidelberg, Lock 14	Lee	664	8								4.11		1.17		9					S. C. Cole.
Hindman	Knott	1032	0	a13.7		69[a]	8†	14[a]	24	39[a]	4.16		1.10	0	9	11	3	16	sw.	Miss Lake Napier.
Jenkins	Letcher	1566	0								4.24		1.12		12					R. R. Davidson.
Louisa	Lawrence	584	21								4.53	+1.56	1.12	0	9					Russian Copley.
Maysville	Mason	524	28	43.4	−1.2	70	7	18	24	35	4.41	+1.57	1.25	0	9	8	10	12	s.	Perry E. Bennett
Middlesboro	Bell	1128	29	41.2	−1.6	67	8	11	24	39	5.24	+1.73	1.85	0	9	20	3	7		Matthew Woodson.
Mount Sterling	Montgomery	930	35	[a]42.8	−1.2	69[a]	7	16[a]	24	32[a]	7.42	+4.18	1.85	0.1	9	10	4	16	w.	W. R. McKee.
Owenita, Dam 35	Campbell	497	3								5.48		1.90		9					Andrew M. Stanforth.
Pikeville	Pike	636	19								3.34	+0.65	0.88	0	7					Robert Repass.
Prestonsburg	Floyd	640	0								4.55		0.91		8					P. C. Hall.
Quicksand	Breathitt	782	0	44.6		71	7†	14	24	41	5.20		1.45	T.	9					R. W. Jones.
Ravenna, Lock 12	Estill	631	7								4.26		1.55		6					Walter P. Bush.
Richmond	Madison	926	34	45.1	−1.7	69	7†	20	24	32	5.73	+2.86	1.95	0	10	12	4	14		J. W. Crooke.
Sergent	Letcher	1235	2	45.2		71	14‡	14	24	39	4.58		0.95	0	9	14	3	13	sw.	Mary Rockwell.
Valley View, Lock 9	Madison	541	12								6.57	+3.63	1.75		10					Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	10								4.54	+0.36	0.97	0	9					Samuel Johnson.
Wayland	Floyd	706	0																	B. F. Mason.
Waynesburg	Lincoln	1142	0								3.68		1.20		9					G. H. Zimmerman.
Williamsburg	Whitley	939	28	46.3	−1.0	71	7	15	24	39	4.16	+1.12	1.23	T.	8	17	5	8		Lawrence R. Uhl.
Willow, Lock 13	Lee	611	6								4.42		1.28		8					Shelby Angel.
State averages and extremes				44.9		73	7†	8‡	24	46	5.13		2.70	0.1	9	12	6	12	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, [a] represents two days, etc.

T. Precipitation is less than 0.01 inch rain or melted snow.

§Lone Oak.

[a] Also on other dates. †Received too late to be included in means and summaries.

[b] Post-office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

Daily Precipitation for November, 1925

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam 8	G				1.06		1.80	.10					1.50		.30											.61	.52					5.35
Blandville	M	.05			.10	.72	.14	1.40				.04	.47		.11			.15								1.64	T					3.86
Calhoun	G				1.50		1.58	.11					.88	T.	.56				T.							.52	1.35					5.97
Carrington 8	G				.82	T.	1.74	T.					.92	T.	.61											.80	.92					5.81
Cloverport	O			.01	.52		1.05	.46				1.24			.21											.67	1.32					5.86
Dawson	O	T.	T.	.04	.28	T.	1.21	.13				1.46	.01		.08											.78	2.20					6.19
Dixon	M				.58		1.06	.55				.67			.69				.04							.34	1.37					5.24
Greensboro	O											.78			.20											1.20	1.40					
Hardin (near) ¶	O				.05		1.70					.90			.55				T.							1.10	.10					.60
Hickman	G				.50	.28	.75	.68				.63	.15		.64				T.							.70	.02					5.15
Ramsey, Lock No. 2	G	T.		T.	.05	.56		1.68			T.	.67			.35		T.	.04							T.	.40					7.04
Russellville	G		.03			.02	.26	.50	1.04			2.05	.07		.15				.04							.59	.52					4.83
																											.80					5.52
																											1.85					6.01
Central Division																																
Anchorage	O		T.		.25		2.06	.06				1.36			.27	T.										.91						4.93
Bardstown	S				.56		1.60					1.42			.20											.20	.86					4.84
Bowling Green	G		.05		.05	.35		1.60				1.60	.83		.14				.02								1.95					5.59
Bowling Green, No. 2	G		.04		.12	.32	.52	.96				1.68	.28		.27												1.89					6.19
Brownsville, Lock No. 6	G				.05	.28	.52	1.35				1.15	.64		.11	.03			.11								1.89					6.80
Burnside	C		.10		T.		.52	.44				.48	1.00		.19												2.67					4.40
Carrollton (Lock No. 1)	K				.12	.05	.70	1.32				.74	.78		.32	.03	.05										1.56					5.29
Cloverport	O		T.		.06	.28	.74	1.18				.86	.27		.49	T.			T.							1.02		.16			5.56
Dix Dam, Burgin	K		.02		.11	.27	.46	.60			T.	.72	1.01		.22					.02						1.68					5.47
Frankfort	C		.08		.10	.25	.25	.62			.78		.91		.44				.05							1.38	.03	.06	.03		5.16
Franklin	K				.04	.22	.50	1.08				.52	.82		.20											1.70		T.			5.08
Frost, Lock No. 3	G		.50		.18		1.25					1.60		1.60												1.60					4.15
Glasgow	K				.10	.14	.47	1.54				1.00			.20											.75	T.		T.		5.73
Grant, Dam 38	G	.40						1.25				.48	1.10		.10	.04										1.80					5.73
Greensburg	O											2.00														1.15	.12		.08		5.32
Hadley	G		.10	.03	.35	.05	.38	1.55				.52	.70		.35	.02	T.		.20							1.12	1.20					6.17
High Bridge, Lock No. 7	K				.33	.02	.46	.57				1.79	.02		.35								T.				1.12	.03		.08		5.16
Irvington	O		T.		.11	.24	.58	.65				.48	1.12		.03	.18			.04							.60	1.59					5.59
Ashton City	K				.46		1.63	.11				1.25			.21	T.										1.86	.01					5.66
Lancaster	K	.05	.02		.38	.04	.52	.71	T.			1.91	.01		.48	T.		.01	.01	.02						1.62		T.				5.28
Litchfield	K	.02			.10	.30	.24	.55				.70	.86			.26			.03							.74	2.20		T.			7.10
Lexington ***	G	T.			.45		1.35	.20				1.75			.25				T.								2.12		.02			5.20
Little Hickman, Lock No. 8	K	.05			.12	.20	.33	.44			.01	1.47			.23	T.			T.							.60	1.15					5.75
Lockport, Lock No. 2	K				T.	.07	.54	2.30				.93	.54		T.	T.										.82	.70	.01				4.52
Louisville ***	O	.01			.14		1.67				.01	.92			.42	T.	T.									2.00		T.			5.03
Do (Cherokee Park)	O	T.			.31	.03		2.03				1.00			.50	T.										1.08		.09			5.55
Lynnfordville	G				.14	.31	.45	1.10				.98	.62		.15	.03			.04							.70	.02	T.				3.89
Mount John 8	S					.90						1.30			.30		.40								.12	.80					4.79
Nicholas, Lock No 6	K				.15	.27	.55	.88				1.20	.80		.25											2.70					6.52
Nott	L				.30	.05	1.05	.66				1.38	.02		.28	.03										.50	1.60					5.00
Shelbyville 8	S	.02			.16	.01	.87	.94				1.26			.08											1.75		T.			5.35
Taylorsville	S	T.			.22	.01	.73	.78				1.54			.13	T.			T.							T.	1.43	T.	.06			5.16
Tarrone, Lock No. 5	K				T.		.55	.72				.77	.55		.17											.19	.88	.08				4.49
Williamstown 8	L				.23	.05	1.32	1.41				1.77			.11											.26	.91					4.58
Woodbury, Lock No. 4	G				.04	.29	.55	1.05				1.70	.87		.22											1.07	.02		T.			3.85
																										.91			.04			5.84
																										2.45						6.09
Eastern Division																																
Ashland	O		.05		.03	1.08	.05	1.12				.15	1.04	.03		.15			.03	.02		T.				1.13	.10					4.68
Catlettsville	K	.04	T.		.02	.54	.18	.65				.51	1.24			.26	T.		T.	.04						1.25	.06					4.79
College Hill, Lock No. 11	K	.05			.39	.04	.29	.55				1.56	.07		.32	T.			.05							44 1.38		T.	.05			5.19
Cynthiana	L				.15	.40	.35	.50				.40	1.30			.30	T.		.05							1.50			.03			5.43
Falmouth	L			.03	.19	.54	1.42					.63	1.05		.03	.21	T.		T.							.85	T		T			4.56
Farmers	L			.08	.14	.63	2.05					.60	1.11		.05	.02	T.					T.	T.			.60	T.		T.			5.28
Hamburg	L			T.	.67	.70	T.					1.20	.20			.25	T.			.04						1.50	T.					4.66
Harrison	K	.02		.09	.26	.30	.72				.01	.46	1.23		T.	.24			.46							1.10						4.16
Hennup, Dam 30	O			.15	.35	.50	.50					.32	.93			.22	T.		.01	T.						1.93	.02		.02			5.28
Hinton	K				.61	T.	.94					T.	1.48			.10										.97						3.82
Hazard	K																									1.15	T.					4.18
Heidelberg, Lock No. 14	K				.07	.47	.10	.80				.54	.54	T.		.63	T		T.	T.	T.											
Ivyhaun	K	.05	T.		T.	.63	.23	.25				.59	1.00			.24			.05							.20	.40					3.75
Jenkins	K	.18	T.		.38	.17	.17	.85				1.10			.50											1.17						4.11
Jessa	K	.10			.04	.46	.02	1.12				.38	.52			.83	.04		.05							.80	.01					4.16
Louisville	B			.08	.12	1.12	.12	.74				.43	.66			.40										.04	.64					4.24
Middlesboro	O	T.			.20	.22	.37	1.25				.30	.94		T.	.42			T.			T.				.92						4.53
Mount Sterling 8	C	.28			.22		.12	1.85				1.48			.36				.04							.68	.03					4.41
Nicholas Dam 35	O				.61	.02	1.25	1.28				1.85		T.	.45											.43	.46					5.24
Owensville	B		T.		.24	.11	.18	1.60				.48	.55		T.	.18										39 1.56		T.	.01			7.42
Petersburg	B	.31				.48	T.	.88				.38	.52			.56										1.45	.09					5.48
Pocksond	K					.89	.91					.44	.74			.58										.84	.18					3.34
Pyenna, Lock No. 12	K				.85	.20	.60					.60	.80			.30	T.			.10						.63	.25					4.55
Raymond 8	K		T.	T.	.52	.15	.84					.15	1.25		T.	T.		T.	T.							1.45	.80					5.20
Rogut	K			.25	.30	.20	.30					1.83			.40	T.			.03							1.55	T.		T.			4.26
Sandy View, Lock No. 6	K	.10	T.	.20	.30		.93		.70			.95			.70											45 1.05			.02			5.73
Shelbyburg, Dam No. 32	O	.02		.34		1.00	.67					1.75			.01				.62							.35	.35					4.58
Shoopland	B				.30	.86	.91					.40	.97	.01		.55			.04							47 1.67		.02				6.57
Somerset 8	K	T.	.04	.02		.40	T.	.90				.37	.45		.20							T.				.50						4.54
Spottsburg	C		.20			.38	.10	.93				.38	.90		T.		T.		.04							10 1.20						3.68
Tarlow, Lock No 13	K	T			.40		.32	.63				.51	.94		.18				.07							1.23						4.16
																										1.28						4.42

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

§ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking: (K) Kentucky: (S) Salt: (G) Green: (C) Cumberland (T) Tennessee: (O) Ohio: (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for November, 1925.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	46	57	63	63	58	57	70	65	51	63	71	66	62	66	65	44	52	60	61	56	64	55	38	51	61	60	60	43	47	60	..	57.8
	Minimum	34	44	36	44	46	44	50	32	23	27	35	37	53	47	36	33	23	50	44	30	27	34	22	20	40	41	36	23	23	36	..	35.0
Blandville	Maximum	43	55	63	60	53	53	66	60	53	60	59	66	67	70	61	47	52	60	57	56	61	50	36	54	64	61	57	42	46	58	..	56.3
	Minimum	30	41	45	45	48	43	48	28	26	33	39	47	45	42	33	31	26	37	42	30	33	32	24	23	44	45	34	24	29	57	..	36.1
Calhoun	Maximum	47	55	57	57	57	54	67	65	50	59	57	62	64	69	67	42	50	58	56	52	60	58	37	48	61	64	60	38	43	58	..	55.7
	Minimum	34	43	42	45	49	45	50	31	24	28	33	53	48	36	37	34	25	33	45	32	29	35	24	20	36	43	38	25	28	38	..	36.1
Earlington	Maximum	45	53	63	55	55	55	63	63	52	45	57	62	66	60	63	38	51	56	58	51	62	55	34	50	62	61	59	38	44	53	..	54.3
	Minimum	33	43	47	43	48	46	51	31	22	29	41	55	47	36	36	34	23	38	45	30	31	29	24	19	47	42	36	20	33	38	..	36.4
Greenville	Maximum	47	..	61	60	58	57	71	67	52	62	65	64	67	72	72	46	53	61	61	58	62	59	..	54	61	61	62	..	47	59	..	°59.9
	Minimum	33	..	43	42	46	45	49	31	21	26	32	53	47	35	35	33	22	27	44	32	27	..	22	13	40	42	37	22	..	35	..	°34.6
Hopkinsville	Maximum	48	53	55	60	53	53	71	63	53	64	66	64	68	73	64	51	54	63	62	53	65	58	48	55	66	61	63	45	51	61	..	58.9
	Minimum	32	42	47	45	46	44	50	31	22	27	34	52	45	35	35	31	22	29	42	33	26	34	22	19	38	48	37	23	27	37	..	35.1
Madisonville	Maximum	43	47	57	57	58	51	65	65	58	57	62	61	65	69	71	43	46	58	60	58	56	61	41	47	59	64	59	43	48	54	..	56.1
	Minimum	31	40	47	45	49	43	49	29	26	32	42	53	46	45	34	32	26	37	44	32	34	33	23	24	45	44	32	25	27	35	..	36.8
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	70	..	58	55	59	57	55	60	55	43	54	63	62	61	45	47	58	..	°56.4
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25	32	27	38	45	31	30	34	21	24	46	43	39	27	30	38	..	°32.8
Mayfield	Maximum	47	55	62	61	58	54	68	66	46	59	62	62	63	68	62	41	50	58	50	50	60	65	48	48	61	65	62	40	42	57	..	56.4
	Minimum	32	40	37	47	41	41	54	42	24	30	37	51	46	37	38	31	25	31	35	32	30	33	21	20	37	44	31	24	27	34	..	35.1
Owensboro	Maximum	45	55	61	61	57	54	67	66	55	62	62	67	67	71	64	55	55	61	58	56	63	60	42	54	65	61	60	45	48	59	..	58.5
	Minimum	32	42	47	46	50	45	50	30	26	32	41	51	48	40	36	32	27	39	45	32	34	33	25	25	43	45	38	24	30	37	..	37.5
Paducah (near)	Maximum	42	52	56	60	53	56	68	63	51	62	63	64	64	70	64	44	51	61	56	53	61	53	37	52	63	60	59	41	49	57	..	56.2
	Minimum	41	52	56	60	53	56	68	63	51	62	63	64	64	70	64	44	51	61	56	53	61	53	37	52	63	60	59	41	49	57	..	55.5
Princeton	Maximum	32	42	47	43	47	44	49	30	23	27	33	53	47	34	35	32	23	30	44	32	28	34	23	21	40	45	37	25	41	50	58	55.1
	Minimum	32	42	47	43	47	44	49	30	23	27	33	53	47	34	35	32	23	30	44	32	28	34	23	21	40	45	37	25	41	50	58	55.1
Russellville§§	Maximum	49	52	54	58	50	59	70	54	52	61	67	63	65	70	51	46	50	58	57	50	61	59	46	42	25	46	42	25	36	42	..	54.3
	Minimum	32	38	35	36	48	47	50	32	29	28	34	41	44	36	38	33	24	27	43	32	30	33	23	19	25	46	42	25	26	32	..	34.3
Central Division.																																	
Anchorage	Maximum	49	60	62	62	55	55	67	65	48	59	62	57	60	62	61	37	48	59	54	52	62	46	35	46	59	58	55	41	35	41	..	53.7
	Minimum	34	36	34	38	46	37	47	28	19	25	31	48	49	37	35	31	23	27	35	27	28	31	18	15	30	37	31	19	22	19	..	31.3
Bardstown	Maximum	50	59	65	66	62	55	71	58	52	62	65	58	63	71	61	46	51	60	52	54	62	46	34	49	60	60	60	42	46	58	..	56.6
	Minimum	35	43	35	42	47	42	47	26	25	26	38	53	49	35	36	35	24	26	36	24	28	26	11	35	40	38	36	22	26	34	..	33.5
Bowling Green	Maximum	47	53	57	62	57	58	70	58	52	68	69	63	67	72	66	46	52	59	54	52	62	57	38	56	60	61	61	43	50	60	..	57.3
	Minimum	34	41	39	42	46	46	49	30	26	32	41	51	48	40	36	32	27	39	45	32	34	33	25	25	43	45	38	24	30	37	..	35.3
Dix Dam	Maximum	50	56	62	63	50	56	71	58	50	59	63	58	60	67	66	37	50	60	47	..	62	54	35	46	58	57	59	43	36	57	..	*33.2
	Minimum	33	36	34	36	43	46	47	33	22	25	39	50	48	38	32	33	28	27	30	..	29	33	24	19	32	41	25	25	25	31	..	°54.2
Eubank	Maximum	49	54	64	60	..	..	..	..	53	65	63	59	60	68	65	46	48	56	51	50	61	53	30	48	59	58	59	42	37	49	32	34.7
	Minimum	33	44	40	46	45	47	49	33	20	23	43	51	49	34	32	30	25	25	42	35	25	32	23	16	34	42	37	24	29	32	..	54.8
Frankfort	Maximum	49	56	61	63	62	55	71	70	45	57	62	61	59	64	61	41	45	56	53	50	58	55	38	44	59	58	59	40	38	54	..	55.0
	Minimum	33	43	34	37	48	44	48	34	23	27	34	49	50	39	38	34	28	27	45	32	29	37	24	19	32	40	38	25	26	32	..	35.0
Franklin	Maximum	54	54	55	58	60	62	65	61	..	67	71	..	..	..	73	67	56	..	..	..	66	60	..	..	66	..	..	23	25	..	..	°60.8
	Minimum	29	..	35	37	41	42	43	31	..	..	45	44	46	42	40	30	..	36	37	35	30	..	20	18	30	..	..	23	25	..	..	°34.5
Glasgow	Maximum	54	53	59	61	62	59	72	72	56	62	62	58	66	71	72	44	52	62	61	48	62	60	42	51	58	62	56	40	48	58	..	58.1
	Minimum	32	34	41	39	48	46	50	32	22	26	36	37	40	40	40	39	24	35	42	34	30	32	22	19	44	48	34	22	21	35	..	34.7
Greensburg	Maximum	50	53	65	62	57	57	73	72	51	63	67	62	63	72	62	41	50	60	58	50	62	53	38	48	59	61	60	41	44	57	..	56.9
	Minimum	34	45	31	35	45	47	49	32	20	22	29	52	49	31	36	32	23	22	41	27	24	35	20	13	33	41	36	20	23	29	..	32.6
Irvington	Maximum	46	56	62	63	60	55	69	65	44	58	62	59	62	67	61	39	47	57	55	50	60	50	34	45	59	59	56	40	41	55	..	54.5
	Minimum	35	42	36	43	46	44	49	31	24	32	43	53	48	39	35	33	27	33	45	35	32	33	21	21	40	38	30	24	27	37	..	35.9
Junction City	Maximum	50	54	66	65	58	57	71	68	47	60	62	59	60	68	59	37	51	58	53	51	62	50	32	46	56	57	58	41	39	58	..	55.1
	Minimum	34	44	34	38	45	47	45	32	19	22	37	50	49	33	36	31	23	25	41	28	25	32	24	13	39	36	36	23	25	36	..	33.2
Louisville (Cherokee Park)	Maximum	48	55	63	64	59	55	69	62	49	60	62	60	63	69	62	40	50	58	55	50	61	53	35	46	62	60	60	40	41	57	..	55.6
	Minimum	34	41	34	41	48	42	47	32	23	27	40	50	48	38	37	33	29	31	45	36	32	35	22	20	37	37	37	24	25	32	..	35.2
Louisville	Maximum	44	55	60	63	62	54	67	64	46	57	62	59	60	65	63	49	45	57	55	53	59	57	36	44	59	60	57	38	38	54	..	54.0
	Minimum	34	41	34	41	48	42	47	32	23	27	40	50	48	38	37	33	29	31	45	36	32	35	22	20	37	37	37	24	25	32	..	34.9
St. John	Maximum	48	59	62	63	56	54	67	59	38	59	61	60	61	62	58	40	54	54	55	54	60	50	35	45	63	55	46	26	23	31	..	51.4
	Minimum	32	36	38	40	46	46	48	30	22	28	46	46	48	44	32	32	24	33	41	36	34	27	22	14	38	40	38	26	23	31	..	32.8
Scott	Maximum	37	53	57	57	55	55	64	62	50	55	61	55	55	62	58	37	45	55	51	49	58	52	33	42	58	53	54	36	33	50	..	54.7
	Minimum	33	26	35	38	45	39	44	31	18	26	32	49	47	40	37	31	31	28	44	32	32	32	22	18	33	39	38	20	23	36	..	33.4
Shelbyville	Maximum	49	57	60	62	59	55	68	66	47	59	62	57	59	66	61	42	49	57	52	51	61	58	42	54	59	58	58	42	37	55	..	54.7
	Minimum	33	40	35	39	46	40	46	30	20	28	38	51	47	37	36	31	24	29	38	31	29	30	19	17	34	36	32	22	23	30	..	32.9
Taylorsville	Maximum	50	56	61	64	60	54	70	70	44	56	62	57	60	64	60	43	44	55	52	50	57	54	36	42	60	58	57	40	47	54	..	54.4
	Minimum	35	43	33	37	48	43	48	38	21	25	30	48	48	33	35	32	25	26	44	30	26	36	23	17	29	39	38	23	24	32	..	33.6
Williamstown	Maximum	42	54	57	59	56	53	65	63	42	55	60	57	55	63	57	40	44	55	48	47	57	54	35	42	66	58	56	38	34	50	..	51.6
	Minimum	29	38	33	37	46	41	44	31	19	20	39	48	48	38	36	30	29	27	43	24	30	33	21	17	36	38	36	21	21	29	..	33.2
Eastern Division.																																	
Ashland	Maximum	45	54	59	61	59	57	67	70	45	55	66	64	58	65	62	45	45	58	56	48	59	58	41	43	57	56	52	44	41	52	..	54.7
	Minimum	29	42	33	35	45	47	42	37	23	28	41	53	49	40	37	35	23	24	38	30	27	35	27	20	29	37	41	29	18	29	..	53.9
Beattyville	Maximum	47	52	64	63	60	58	72	72	50	61	68	59	60	69	67	39	54	61	56	49	61	57	38	47	54	54	59	45	39	59	..	56.5
	Minimum	33	42	32	33	45	48	44	36	23	23	28	46	46	32	33	34	30	22	41	30	26	28	24	12	42	40	40	28	20	27	..	32.7
Berea	Maximum	49	50	63	64	55	55	70	65	45	60	65	59	58	68	58	37	45	58	52	50	60	50	35	45	52	57	58	39	38	46	..	53.8
	Minimum	33	44	36	39	45	48	46	34	20	25	43	52	50	42	37	34	30	28	44	32	32	32	22	18	33	36	36	20	23	30	..	35.2
Farmers	Maximum	50	58	69	64	57	59	76	69	50	61	70	59	59	77	60	40	50	64	52	53	63	58	38	47	..	..	59	44	49	58	..	°56.6
	Minimum	27	40	29	29	45	45	40	32	17	18	25	42	47	30	31	30	26	18	33	24	19	25	19	8	..	21	34	15	28	..	..	°28.5
Harlan	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Hindman	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Maysville	Maximum	42	59	54	59	55	60	70	69	40	55	62	59	60	65	58	38	43	55	48	50	58	53	39	35	56	57	54	41	37	49	..	52.7
	Minimum	30	44	40	35	45	46	43	34	21	24	39	44	51	38	35	33	33	25	40	30	25	35	25	18	33	39	40	25	21	33	..	34.2
Middlesboro	Maximum	49	55	62	59	54	59	66	67	61	56	62	61	61	66	63	53	49	52	54	55	56	55	39	41	48	52	59	46	47	52	..	55.3
	Minimum	37	42	37	37	45	47	48	37	22	21	29	47	50	32	37	30	28	26	40	31	22	24	25	11	30	41	42	28	19	26	..	33.0
Mount Sterling	Maximum	47	54	58	61	56	54	69	61	45	..	65	54	56	66	59	46	44	57	55	51	62	46	36	46	57	57	54	38	38	54	..	*52.3
	Minimum	37	42	37	37	45	44	45	34	19	..	39	50	47	36	36	30	26	25	36	29	28	28	25	14	27	38	33	20	23	29	..	*33.3
Quicksand	Maximum	49	52	62	63	59	58	71	70	48	60	67	60	62	70	71	51	49	62	54	51	62	46	36	46	54	57	57	43	32	42	59	56.3
	Minimum	35	44	37	33	44	48	45	37	26	22	29	46	49	31	33	33	29	24	35	35	26	27	26	14	27	38	33	20	22	27	..	54.2
Richmond	Maximum	49	53	62	64	59	55	69	65	47	60	64	58	59	69	67	46	46	58	54	52	62	46	36	46	54	57	57	43	38	46	57	56.0
	Minimum	36	44	35	40	46	48	47	35	23	28	42	52	49	34	35	32	32	29	42	32	30	33	26	20	37	43	38	26	27	30	..	37.1
Sergent	Maximum	48	54	67	62	57	59	70	70	48	60	67	70	70	71	71	39	49	61	54	52	60	50	39	46	58	60	58	46	45	58	..	57.4
	Minimum	34	45	43	35	48	50	47	38	25	24	28	47	38	32	32	33	30	23	30	36	26	27	26	14	27	38	33	20	22	27	..	33.4
Williamsburg	Maximum	52	55	69	60	56	58	71	70	53	60	66	62	65	70	68	46	54	58	52	53	63	49	38	48	55	57	61	46	51	57	..	58.2
	Minimum	37	46	48	40	45	48	46	36	25	25	28	50	52	32	38	31	31	32	36	37	34	30	24	15	35	45	41	28	22	26	..	35.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* ", ", etc., tabulate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 12-28-25-950

FEB 3 1926

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXX LOUISVILLE, KY., DECEMBER, 1925. No. 12

GENERAL SUMMARY.

There were marked and rather frequent variations in temperature, but in general the first half of the month was mild and the last half decidedly cold. Wheat and rye, which were dormant at the beginning of the month, made some growth under the influence of the warm weather and sunshine of the second week. Pastures of rye and grass continued to furnish a fair amount of grazing through this period, so that stock required only moderate feeding and fared well out of doors. Temperatures far below normal prevailed during the last decade. A severe cold wave that spread over the State on the 25th caused temperatures to fall below zero and to continue low until the close of the month. In the absence of snow cover through this period of severe weather, wheat suffered some injury from the lifting effect of the deep freezes; but on account of the relative dryness of the soil, the damage was not believed to be of consequence. Rain in the first week interfered with outdoor work; but the dry weather and moderate temperature in the decade that followed, caused corn gathering to be pushed to completion on most farms. Tobacco stripping proceeded during the first week, but after that the weather was too dry and the weed was generally out of condition. The continuous dry weather, as well as the steady improvement in the condition of roads, facilitated the movement of tobacco to local markets. The month was the driest December of record. In more than half of the area of the State the precipitation amounted to less than 1.00 inch. Notwithstanding the heavy rainfall of the two preceding months, streams failed to maintain the usual winter stage and froze over quickly in the period of low temperature.

TEMPERATURE.

The average temperature for the State, 43 stations reporting, was 34.8°, which is 2.8° below normal. Temperatures continuously above normal, with a few decidedly warm days, prevailed from the 7th to 15th; and below normal, with average daily deficiencies between 15° and 30° on several days, during the last decade. On the 27th temperatures below zero were reported from most stations, and also from many stations on the 28th. The highest for the State was 70° at Sergent on the 4th, and the lowest —5° at Williamstown on the 27th.

PRECIPITATION.

The average precipitation for the State, based on reports from 77 stations, was 0.89 inch, which is 3.19 inches less than normal, and the lightest on record for December. In the northeastern and most of the central section, amounts ranged from 0.40 inch to 1.00 inch; while in the southwestern and southeastern counties they varied between 1.00 and 2.00 inches. General rains occurred in the period 4-6th, and scattered showers from the 14th to 16th. Snow, ranging in amount from 0.5 inch in the south-central counties to 3.0 inches in the central districts, occurred from the 21st to 26th. The total precipitation varied between 0.25 inch at Ravenna, and 1.94 inches at Hopkinsville and St. John. Thunderstorms were reported from a few stations on the 4th.

MISCELLANEOUS.

Dec 4.—A storm or series of storms, exhibiting tornadic characteristics at intervals along the path, occurred in Calloway, Marshall, Livingston, Lyon, and Caldwell counties. Paths of destruction ranged from 50 yards to 3-4 mile in width. Extensive damage was caused at Murray, Kuttawa, and Princeton. Near Glade, Marshall County, two persons were killed by the

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour	Direction.	Date.
Cairo.....Ill.	30.11	30.82	28	29.25	4	7109	9.6	44	sw.	4
Cincinnati.....Ohio	30.07	30.73	28	29.35	4	6658	8.9	28	sw.	5
Evansville.....Ind.	30.11	30.81	28	29.29	4	8717	11.7	44	sw.	4
Lexington.....Ky.	30.10	30.78	28	29.40	4	10734	14.4	38	sw.	6
Louisville.....Ky.	30.11	30.81	28	29.32	4	8681	11.7	37	sw.	4

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo.....Ill.	82	66	64	150.9	299.1	50	11	12
Cincinnati.....Ohio.	85	65	84	126.0	293.4	43	9	12
Evansville.....Ind.	80	66	67	166.9	296.3	56	11	8
Lexington.....Ky.	85	76	.....	102.2	296.3	34	6	15
Louisville.....Ky.	76	65	68	129.3	296.3	44	7	12

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with 01in. or more rain.
1889	50.2	+12.6	76	13	1.57	−2.51	..
1890	37.8	+ 0.2	70	12	3.51	−0.57	..
1891	42.4	+ 4.8	70	15	4.10	+0.02	..
1892	34.6	− 3.0	74	− 3	4.22	+0.14	..
1893	39.0	+ 1.4	78	10	2.69	−1.39	..
1894	38.7	+ 1.1	76	−11	4.31	+0.23	10
1895	38.8	+ 1.2	77	6	4.43	+0.35	9
1896	39.6	+ 2.0	73	7	1.82	−2.26	4
1897	38.0	+ 0.4	72	3	3.78	+0.33	10
1898	34.1	− 3.5	70	−12	2.74	−1.34	8
1899	34.8	− 2.8	70	−15	4.26	+0.18	10
1900	38.6	+ 1.0	70	12	2.59	−1.49	8
1901	32.3	− 5.3	72	−22	4.90	+0.82	10
1902	36.7	− 0.9	72	− 3	7.36	+3.28	12
1903	30.7	− 6.9	58	0	2.88	−1.20	7
1904	36.4	− 1.2	72	− 2	4.30	+0.22	11
1905	37.3	− 0.3	66	11	4.38	+0.30	8
1906	39.0	+ 1.4	76	− 9	5.64	+1.56	15
1907	38.5	+ 0.9	70	8	3.29	−0.88	11
1908	39.8	+ 2.2	74	7	2.42	−1.66	9
1909	29.9	− 7.7	79	−14	3.46	−0.62	9
1910	31.1	− 6.5	66	− 3	3.37	−0.71	8
1911	41.6	+ 4.0	74	11	6.25	+2.17	12
1912	37.2	− 0.4	73	5	3.08	−0.10	9
1913	39.5	+ 1.9	70	11	2.73	−1.35	7
1914	32.8	− 4.8	70	−16	5.22	+1.14	14
1915	37.0	− 0.6	64	9	7.56	+3.48	12
1916	35.5	− 2.1	74	−14	4.23	+0.15	10
1917	26.5	−11.1	72	−21	2.01	−2.07	8
1918	44.8	+ 7.2	75	14	4.44	+0.36	12
1919	34.6	− 3.0	68	3	4.93	+0.85	7
1920	38.6	+ 1.0	68	4	2.89	−1.19	9
1921	41.7	+ 4.1	78	18	4.40	+0.32	7
1922	41.5	+ 3.9	77	6	5.64	+1.56	12
1923	46.6	+ 9.0	75	8	6.60	+2.52	14
1924	35.9	− 1.7	79	− 9	5.57	+1.89	9
1925	34.8	− 2.8	70	− 5	0.89	−3.19	5

Climatological Data for December, 1925.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	21	35.9	−1.2	64	11	0	27	33	1.10	−2.65	1.00		2	15	5	11	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	43	35.0	−2.1	65	11	2	27	30	1.54	−2.39	1.23	1.8	4	13	5	13	sw.	E. W. Horr.
Calhoun	McLean	437	21	36.0	−2.2	63	11†	2	27	33	1.25	−3.00	1.10	1.0	2	9	12	10	nw.	W. A. Taylor.
Earlington	Hopkins	420	35					2	27		0.99	−2.82	0.88	1.0	3	17	2	12	sw.	Brick Southworth.
Greenville	Muhlenburg	519	8	36.4	−2.3	67	11	1	27†	35	1.43	−2.85	1.25	2.0	3	21	3	7	s.	C. R. Lovell.
Hopkinsville	Christian	524	29	36.0	−2.5	66	11	2	27	34	1.94	−2.84	1.67	1.5	4	6	3	22	se.	W. E. Graves.
Marion	Crittenden	571	27	35.4	−2.1	63	12	0	27	29	0.76	−3.46	0.64	1.2	2	10	7	14	nw.	B. C. Paris.
Mayfield	Graves	364	16	37.1	−2.8	64	11†	3	27	32			1.00			11	12	8	sw.	Mrs. C. R. Sowell.
Owensboro	Daviess	479	28	35.0	−2.0	67	11	−2	27	32	1.57	−2.23	1.50	1.0	2	13	6	12	nw.	Henry S. Berry.
Paducah (near)§	McCracken	516	8	37.0	−2.6	65	10†	8	27	35	0.90	−3.84	0.75	1.5	3	13	4	14	nw	J. W. Lilley
Paducah	McCracken	341	36								0.92	−2.84	0.70	1.0	3					Frank L. Brown.
Princeton	Caldwell	529	18	35.0	−3.4	63	11	2	27	30	1.09	−3.29	0.78	1.5	6	15	3	13	s.	Dr. W. L. Cash.
Rumsey, Lock 2 ¶	McLean	384	1								1.17		0.63	1.3	6					Thos. L. Wetzell.
Russellville	Logan	590	14	33.6	−5.1	62	11	0	28	37	1.36	−2.34	0.60	0.5	5	14	2	15	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	24	32.0	−1.6	63	11	−2	27	32	1.01	−2.97	0.60	2.0	3	13	3	15	nw.	C. E. Barret.
Bardstown	Nelson	637	28	34.6	−1.1	62	4‡	−1	27	32	0.61	−3.75	0.21	2.0	4	15	2	14	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	36.0	−1.6	64	11	1	28	33	0.87	−3.45	0.51	1.0	4	9	10	12	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	0								1.22		0.62	1.0	5					J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	8								1.09		0.62	1.0	4					Virgil M. Whalin.
Burnside	Pulaski	773	34								1.01	−3.28	0.62	0.2	5					F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	26								0.70	−2.30	0.25		7					Charlie Oliver.
Cloverport	Breckenridge	422	11								1.07	−3.75	0.68	1.9	7					W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	0								0.77		0.70		3					W. L. Patchell.
Dix Dam, Burgin	Mercer	770	1	34.4		62	4	−1	27	29	0.70		0.53		8	13	3	15	s.	Geo. Henry Ellis.
Eubank	Pulaski	1177	31	34.8	−1.6	60	4	−2	28	30	0.80	−3.07	0.60	1.0	3	10	8	13	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	33	34.4	−2.8	61	4†	−1	27	30	0.36	−3.23	0.18	1.0	2	10	3	18	w.	Sidney Wood.
Franklin	Simpson	691	30	36.6	−3.6	66*	12	0¹	28	36¹						11	5	15	n.	Jos.H. Blewett.
Gest, Lock 3	Henry	449	14								0.45	−3.96	0.18		6					Albert Purvis.
Glasgow	Barren	780	4	36.2		63	4†	0	28	30	0.37		0.20	2.0	3	16	8	7	n.	Dr. Fidelia Edwards.
Grant, Dam 38	Boone	489	32	34.7	−1.6	62	4†	0	27†	33	0.58		0.29	1.5	4					W. L. Patchell.
Greensburg	Green	506	0								0.52	−3.64	0.27	1.5	5	10	0	21	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	581	32								0.55	−3.93	0.27	2.0	4					Miss Lulu Wood.
Irvington	Breckenridge	550	23								1.14	−2.75	0.84	0.5	4	14	6	11	w.	W. J. Figgott.
Junction City	Boyle	646	27	34.0	−2.0	63	11	−2	27	26	0.95	−3.58	0.64	5.0	10	11	16	4	sw.	William E. Grubbs.
Lancaster	Garrard	985	31	34.7	−1.5	61	11†	−2	27	37	0.81		0.51		8					L. J. Vanbook.
Leitchfield	Grayson	1032	0								1.20	−3.63	0.80	3.0	3	12	9	10	s.	H. H. Willis.
Lexington	Fayette	635	29	34.9	−1.7	63	11	−1	27	30	0.80	−2.52	0.62	0.7	8	10	5	16	sw.	U. S. Weather Bureau.
Littlefickman, Lock 8¶	Jessamine	989	37	31.8	−4.0	62	4	−3	27	23	0.51	−3.54	0.33	2.0	3					Horace Center.
Lockport, Lock 2	Henry	523	14								0.35	−3.91	0.17	1.8	5					Andrew J. Keenan.
LOUISVILLE	Jefferson	476	15								1.14	−2.59	0.83	2.0	5	8	8	15	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	525	52	33.2	−4.4	61	11	−2	27	24	1.12	−3.33	0.69	1.5	5	11	5	15	s.	Wm. I. Hunt.
Munfordville	Hart	534	15	34.1	−2.1	61	11	−2	27	29	0.71		0.36	1.5	7					W. P. Nichols.
St. John	Hardin	600	0								1.94	−2.61	1.40	2.5	6	17	7	7		Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	777	29	33.6	−1.8	61	11	−2	27	33	0.42	−4.47	0.35		2					Ernest M. Searcy.
Scott ¶	Kenton	490	11								0.65	−2.56	0.33	1.6	4	6	10	15	w.	E. B. Wilson.
Shelbyville	Shelby	900	27	31.6	−1.6	59	11	−4	27	29	0.48	−3.41	0.24	2.8	5	13	5	13	w.	Mrs. W. T. Miller.
Taylorsville	Spencer	825	36	33.1	−1.9	62	4†	−3	27	29	0.58	−3.82	0.25	2.0	5	14	3	14	nw.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	489	23	33.5	−1.7	61[5]	4	0[6]	27	30[6]	0.43		0.25	2.6	4					H. K. Vaughn.
Williamstown	Grant	526	7								0.71	−2.80	0.40	2.0	5	12	4	15	nw.	Mrs. E. S. Humlong.
Woodbury, Lock 4 ‡	Butler	933	8								1.27		0.65	2.0	7					J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	8	35.4		63	5	1	27†	31	0.73	−2.68	0.41		5	6	1	24	nw.	Curtis Purvis.
Beattyville	Lee	650	21	34.9	−0.8	68	4	−1	29	38	0.79	−3.54	0.43	0.5	5	12	7	12	n.	Mrs. Sabina E. Hall.
Berea	Madison	1070	23	34.6	−2.0	65	4	−1	27†	27	1.21	−3.16	0.61	2.0	6	9	10	12	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	601	15								0.68	−4.06	0.40	0.8	6					Kelly Walden.
Cynthiana	Harrison	684	7								1.14		0.95	5.0	4					P. H. Kehoe.
Falmouth	Pendleton	600	36								0.62	−2.73	0.39	0.5	4	12	5	14	se.	J. V. Oldham.
Farmers	Rowan	668	19	34.8	−1.2	65	4	−3	27†	40						7	10	14	e.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	841	0								0.90		0.60		3					C. A. Glascock
Ford, Lock 10¶	Clark	553	3								0.31	−3.52	0.11	1.5	3					John A. Walters.
Grayson	Carter	589	0								1.24		0.50	5.0	3					Col. Frank Fowers.
Greenup, Dam 30	Greenup	510	5								0.73		0.61		2					Percy Humphrey.
Harlan	Harlan	1197	1	37.2		64	4†	−4	27	39				0.5		19	9	3		Mrs. Agnes Farley.
Hazard	Perry	869	0								1.76		0.35	5.1	11					Chas. A. Ihrig.
Heidelberg, Lock 14	Lee	664	8								0.57		0.28		5					S. C. Cole.
Hindman	Knott	1032	0								1.47		0.58		7					Miss Lake Napier.
Jenkins	Letcher	1566	0								0.96	−2.54	0.42		3					R. R. Davidson.
Louisa	Lawrence	584	21								0.42	−3.34	0.37	1.0	4	10	9	12	sw.	Russian Copley.
Maysville	Mason	524	28	32.8	−1.0	58	11†	1	27	29	1.70	−3.08	0.70		6	24	3	4		Perry E. Bennett
Middlesboro	Bell	1128	29	36.2	−2.2	61	5	−3	28	35	1.00	−3.24	0.42	2.0	6	17	4	10	w.	Mathew Woodson.
Mount Sterling	Montgomery	930	35	32.2	−2.7	62	4†	−3	27	29	0.68		0.58		1					W. R. McKee.
Oneonta, Dam 35	Campbell	497	3								0.96	−2.82	0.34	1.1	6					Andrew M. Stanforth.
Pikeville	Pike	636	19								0.77		0.39		2					Robert Repass.
Prestonsburg	Floyd	646	0								0.93		0.36	1.5	6					P. C. Hall.
Quicksand	Breathitt	732	0	35.8		69	4	1	27†	38	0.25		0.15		2					R. W. Jones.
Ravenna, Lock 12	Estill	691	7								0.85	−3.60	0.20	1.0	5	17	7	7		Walter P. Bush.
Richmond	Madison	926	34	34.4	−2.7	63	4	−2	27	28	0.95		0.45	1.5	4	14	10	7	sw.	J. W. Crooke.
Seggent	Letcher	1235	2	35.8		70	4	−4	27	41	1.16		0.46	3.0	5					Mary Rockwell.
Valley View, Lock 9	Madison	541	12								0.92	−3.58	0.40	3.0	4					Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	10								0.45		0.27	0.4	4					Samuel Johnson.
Wayland	Floyd	706	0																	B. F. Mason.
Whitesburg	Letcher	1142	0								0.95		0.40	3.0	6					G. H. Zimmerman.
Williamsburg	Whitley	939	28	37.7	−1.4	64	12	0	28	35	1.10	−2.71	0.44	0.1	6	22	4	5		Lawrence R. Uhl.
Willow Lock 13	Lee	611	6								0.33		0.18		3					Shelby Angel.
State averages and extremes				34.8		70	4	−5	27	41	0.89		1.67	1.7	5	13	6	12	sw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, 1 represents two days, etc.

* Also on other dates. ** Received too late to be included in means and summaries.

¶ Post-office addresses: ‡Lock 6, Versailles, Ky.; §Lone Oak. Lock 5, Lawrenceburg, Ky.; Lock 6, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, 1 represents two days, etc.

T Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.

* Also on other dates. ** Received too late to be included in means and summaries.

¶ Post-office addresses: ‡Lock 6, Versailles, Ky.; Lock 5, Lawrenceburg, Ky.; Lock 6, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

wrecking of their home. The total property loss from these storms was estimated at $75,000.

Rivers:—At the beginning of the month good stages prevailed in the Ohio River, but they declined to pool stage by the 21st. In this condition the river soon filled with ice on the advent of the cold spell that began on the 26th. Navigation was suspended by the 27th, and the river was frozen across in places on the 28th.

Daily Precipitation for December, 1925

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G				1.00																		.10										1.10
Blandville ..... M				1.23	.09								.16			T.				T.	T.	.06										1.54
Calhoun ..... G			T.	1.10	T.										T.					T.	T.	.15				f			T.		1.25
Earlington ..... G				.88	T.															.02		.09	T.								0.99
Greenville ..... G				1.25	T.									.09						T.		.09									1.43
Hopkinsville C				1.67										.17						.05		.05									1.94
Marion ..... O				.64	T.															T.	T.	.12						T.			0.76
Mayfield ..... M				1.00																												
Owensboro ..... O				1.50	T.										T.							.07					T.				1.57
Paducah (near) ¶ ..... O				.75	.05																	.10									0.90
Paducah ‖ ..... O				.14	.70	T.								T.							T.	.08	T.								0.92
Princeton ..... G			T.	.78	.01								T.	.04						.08	.03	.15		T.	T.						1.09
Ramsey, Lock No. 2 ‖ ..... G				.37	.63															.02	.04	.10	.01						T.		1.17
Russellville ‖ ..... G				.60	.47							.16								.02			.05								1.30
Central Division																																
Anchorage ..... O				.60	.26										T.					T.		.15				T.					1.01
Bardstown ..... S				.21	.10															.10		.26									0.61
Bowling Green ‖ ..... G				.51	.23																	.03	.10								0.87
Bowling Green, No. 2 ‖ ..... G				.62	.34									.21						.04		.01	T.								1.22
Brownsville, Lock No. 6 ‖ ..... G				.40	.62	T.								.06							T.	.01				T.	T.				1.09
Burnside ‖ C				.10	.62	T.								.11	T.	.08					T.	.10									1.01
Carrollton ‖ (Lock No. 1) ..... K				.12	.25	.03								.03						.03	.04	.18			T.	T.					0.70
Cloverport ‖ ..... O				.13	.68	T.								.01						T.	T.	.06	.09			T.			.02	.03	1.07
Cold Spring, Dam 36 ‖ ..... O				T.	.70	T.														.03	T.	.04	.18		T.	T.					0.77
Dix Dam, Burgin ..... K		.01		.08	.53	.02								T.		.01				.01	.02	.02									0.70
Eubank ‖ C					.50									.10								.10									0.80
Frankfort ‖ ..... K				T.	.18	T.								T.		T.				T.	T.	.18			T.						0.36
Franklin ..... G				.65																												
Gest, Lock No. 3 ‖ ..... K				.06	.18	.05								.06		T.				.04	T.	.06		T.		T.					0.45
Glasgow ..... G				.20										12								.05									0.37
Grant, Dam 38 ‖ ..... O				.18	.29	.03																.08	T.			T.					0.58
Greensburg ..... G				.27	.04									.13	T.					.02		.06							T.		0.52
High Bridge, Lock No. 7 ‖ ..... K				.06	.27																	.02	.20								0.55
Irvington ..... O				.81	.02									T.	T.					.15	T.	.13			T.	T.			T.		1.14
Junction City ..... K		.03		.64	.08	.01								.01	.04	.01				.03		.08	.02				T.		T.		0.95
Lancaster ‖ ..... K				.02	.51	.01									.01	.01				.02		.04	.19								0.81
Leitchfield ..... G				.80										f						.10		.30		T.					T.		1.20
Lexington *** ..... K				.62	.01							T.	.02	.01						.04	.01	.08			.01	T.			T.		0.80
Little Hickman, Lock No. 8 ‖ ..... K				.08	.33																	.02	T.								0.51
Lockport, Lock No. 2 ‖ ..... K				T.	.17	.03								.03	T.					T.	.02	.10	T.		T.						0.35
LOUISVILLE *** ..... O	T.			.83	.03							T.	.03	T.	T.					.03		.22	T.		T.	T.					1.14
Do (Cherokee Park) ..... O				.69	.17								.04	T.						.08		.14	T.		T.						1.12
Munfordville ‖ ..... G				.03	.36									12						.05	.02	.03	.10								0.71
St. John ..... S				.20	.49									.02						.08	.04	.20	T.						T.		1.94
Salvisa, Lock No. 6 ‖ ..... K		T.	T.	T.	T.	.35														T.	T.	.07									0.42
Scott L				.33	.21	T.									T.					T.	.01	.10	T.		T.	T.					0.65
Shelbyville ..... S				.15	T.									.05	.02	T.				.02	T.	.24									0.48
Taylorsville ..... S		.25			.03										.09					.01		.20				T.			T.		0.58
Tyrone, Lock No. 5 ‖ ..... K				.25	.02															.01		.15									0.43
Williamstown L				.15	.40	T.								.01						.01		.14	T.		T.						0.71
Woodbury, Lock No. 4 ‖ ..... G				.30	.65									.05						.03	.04	.10	.10								1.27
Eastern Division																																
Ashland ..... O					.41																.09	.05	.05		.13							0.73
Beattyville ..... K					.43									T.		.02	T.			T.		.28	.04		.02	T.				T.		0.79
Berea ..... K				.25	.61	T.								.03	.02					T.	T.	.28	.02		T.		T.		T.			1.21
College Hill, Lock No. 11 ‖ ..... K				.10	.40	.05									T.						.05	T.	.05		T.			.03				0.68
Cynthiana ‖ L				.02	.95	T.								.04	T.							T.	.12		T.	T.						1.14
Falmouth ‖ L				.14	.39	T.															.04	T.	.05				T.					0.62
Farmers ‖ L		.04			.10																											
Flemingsburg ‖ L					.60										.14							.16										0.90
Ford, Lock No. 10 ‖ ..... K				.11	.10	T.								T.		T.				T.	T.	.10			T.	T.				T.		0.31
Grayson ..... O					.45																	.50			.29							1.24
Greenup, Dam 30 ‖ ..... O					.61																			.12								0.73
Harlan ..... K																																
Hazard ‖ ..... K		T.			.05	.23		T.					.04	.02	.33	T.		.11	T.	.31	.29	.14	T.	T.	.11	T.				.18	1.76
Heidelberg, Lock No. 14 ‖ ..... K				T.	.28									T.	.04				T.		.18	.04		.03	T.						0.57
Hindman ..... K																																
Jenkins ‖ ..... K		.04											.07	.41						.58	.24		.03					.10			1.47
Louisa ‖ ..... B					.42											.24					.30										0.96
Maysville ‖ ..... O					.37	T.									T.					.02	T.	.02		T.	.01						0.42
Middlesboro ..... K				.12	.20									.70	.06				.20	.42											1.70
Mount Sterling L				.42	.12									.10				T.	.06	T.	.27			.63							1.60
Oneanta Dam 35 ‖ ..... O			T.	.58											T.					T.	T.	T.	T.	T.							0.58
Pikeville ‖ ..... B																																
Prestonsburg ‖ ..... B					.38										.12					.34	.22	.10		.08	T.				.10		0.66
Quicksand ..... K																					.39											0.77
Ravenna, Lock No. 12 ‖ ..... K					.15	.36								T.	.07					.10	.18	.20				T.			.02		0.93
Richmond ..... K				.20	.03									T.	T.	T.					T.	.10			T.						0.25
Seggett ..... K					.16									.02						T.		.08		.02							0.55
Valley View, Lock No. 9 ‖ ..... K				.20	.40										.40						.15	.15							T.		1.10
Vanceburg, Dam No. 32 ‖ ..... O					.27		.01							.02						.10		.20									0.82
Wayland ‖ ..... B																							.05		T.	.08						0.45
Whitesburg ‖ ..... K																																
Williamsburg C					.44									.10	.04	.02				.40	.31	.08									0.95
Willow, Lock No. 13 ‖ ..... K				.13										.05	T.	.23			.05		.34	.05			T.						1.16
																				.18		.08									0.39

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for December, 1925.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																
Beaver Dam	Maximum	55	57	60	56	59	46	59	57	60	59	64	60	58	54	55	43	43	40	45	46	48	41	31	42	44	32	28	20	31	38	43	47.3
	Minimum....	27	30	30	35	32	26	30	30	32	27	35	28	30	36	35	30	25	18	25	31	35	18	10	25	29	16	0	5	4	17	10	24.5
	Maximum	47	47	59	59	41	44	58	48	55	62	65	60	50	49	41	39	39	41	46	46	46	29	31	43	45	30	19	17	30	36	42	43.9
Blandville.....	Minimum....	29	25	34	39	27	24	31	34	30	32	42	34	37	37	37	29	22	26	29	37	27	18	7	25	26	17	2	4	16	27	16	26.1
	Maximum	55	49	53	61	59	46	55	53	53	57	63	63	58	52	49	39	37	40	45	46	41	37	31	43	41	31	31	14	28	33	40	45.4
Calhoun	Minimum....	31	27	32	48	32	28	28	36	31	28	35	30	36	38	35	31	25	18	26	36	37	17	12	28	29	16	2	9	14	16	18	26.7
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Earlington	Minimum....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maximum	31	25	29	41	33	27	40	37	32	29	39	29	35	40	37	31	26	18	25	34	34	17	9	27	25	19	2	4	5	20	12	26.1
	Minimum....	57	50	54	63	61	47	59	54	56	62	67	64	55	52	53	43	40	42	45	46	48	38	30	42	38	34	23	19	32	35	44	47.3
Greenville.....	Maximum	32	25	29	49	32	27	31	34	28	27	43	30	36	38	36	30	25	16	24	25	34	16	5	25	28	18	1	1	4	20	11	25.5
	Minimum....	54	52	57	63	54	47	60	50	55	63	66	63	56	54	49	42	40	41	45	46	47	38	31	45	45	32	26	20	30	35	44	46.8
Hopkinsville	Maximum	31	27	28	48	31	25	32	32	27	29	40	29	33	37	38	28	24	19	26	31	32	16	7	22	28	21	2	2	6	22	10	25.3
	Minimum....	58	43	50	58	59	38	51	58	49	55	62	63	60	47	51	39	36	39	46	48	44	36	22	38	42	32	26	12	26	37	40	44.0
Marion.....	Maximum	31	26	33	50	30	25	33	37	30	34	44	35	36	37	35	30	23	18	30	26	35	17	7	22	32	18	0	3	7	22	18	26.9
	Minimum....	59	48	60	60	45	46	56	56	55	61	64	64	57	53	50	44	41	42	48	48	48	33	31	42	45	32	26	23	31	34	41	47.2
Mayfield	Maximum	31	27	31	44	31	26	35	36	31	32	44	32	36	36	40	30	25	22	27	37	32	17	12	21	29	24	3	4	10	24	14	27.0
	Minimum....	47	47	54	64	62	43	56	63	56	58	67	62	60	53	47	41	38	40	44	48	46	38	24	46	45	43	19	12	29	34	40	46.0
Owensboro	Maximum	32	27	30	42	30	24	29	35	28	28	35	32	33	31	32	27	22	12	25	33	32	16	9	20	24	12	2	4	12	16	15	24.0
	Minimum....	55	50	60	59	47	50	60	53	55	65	65	63	57	50	49	42	39	45	47	46	45	33	31	41	44	35	27	22	33	38	45	46.8
Paducah (near).....	Maximum	30	26	31	45	29	30	35	30	32	44	40	37	38	38	30	28	21	27	35	31	31	16	11	26	28	23	8	5	15	24	14	27.3
	Minimum....	50	48	56	60	48	44	57	53	53	60	63	59	54	49	49	40	37	39	46	45	45	33	30	42	41	31	24	16	29	35	44	44.2
Princeton	Maximum	32	27	28	48	31	24	29	34	28	30	37	29	34	38	37	30	25	20	24	37	33	17	6	25	28	20	2	3	6	23	12	25.7
	Minimum....	41	51	58	60	36	45	50	40	53	59	62	59	54	52	49	40	37	39	44	46	48	40	29	45	40	28	10	18	30	29	40	42.5
Russellville§§.....	Maximum	33	25	27	39	35	27	30	34	31	30	30	32	35	40	40	31	26	20	20	32	40	23	7	8	29	22	3	0	4	11	12	24.7
Central Division.																																
Anchorage	Maximum	47	37	46	61	53	42	55	52	47	51	63	57	49	48	36	35	36	38	45	55	52	34	28	41	40	28	10	15	28	31	39	41.7
	Minimum....	26	24	29	37	30	27	27	34	35	30	31	28	31	33	29	30	21	17	19	32	33	14	0	19	21	10	- 2	2	1	11	9	22.2
	Maximum	54	39	52	62	47	50	57	47	52	57	62	60	51	50	43	36	40	36	44	46	53	41	30	42	43	28	18	19	33	33	43	44.1
Bardstown	Minimum....	29	28	32	40	34	35	26	35	37	32	32	33	35	37	32	30	23	17	20	35	40	17	17	25	25	15	- 1	0	1	18	13	25.2
	Maximum	53	53	52	62	58	47	55	48	55	61	64	61	55	55	48	43	40	41	43	47	53	40	30	41	40	30	25	20	29	31	41	45.9
Bowling Green.....	Minimum....	34	25	30	42	32	25	31	33	30	28	40	31	37	38	38	30	26	18	23	31	39	17	9	23	28	19	2	1	5	19	7	26.1
	Maximum	51	37	53	62	59	44	54	46	48	54	61	58	53	48	43	36	38	35	44	47	52	45	29	41	42	30	17	17	30	31	41	43.4
Dix Dam	Minimum....	32	26	31	37	34	27	36	36	35	32	33	34	34	35	31	31	25	19	21	30	41	18	8	25	28	16	- 1	1	4	14	14	29.5
	Maximum	54	41	56	60	48	42	53	49	50	50	56	56	57	50	46	52	48	36	37	36	43	51	37	38	41	36	27	28	29	31	34	44.4
Eubank	Minimum....	32	26	31	40	25	27	35	36	36	35	34	32	32	36	35	30	31	26	15	20	32	31	12	24	28	18	- 1	- 2	0	12	15	25.4
	Maximum	52	42	49	61	61	43	52	48	47	49	61	58	54	48	46	36	36	33	45	47	52	46	26	40	43	31	16	16	28	32	38	43.1
Frankfort	Minimum....	33	29	31	36	33	28	30	33	37	37	31	35	35	35	31	32	25	19	20	32	41	21	10	25	30	15	- 1	3	4	14	11	25.6
	Maximum	58	60	62	64	60	...	60	59	62	65	65	66	...	...	58	...	...	...	...	49	21	35	...	...	25	20	20	38	43	49.8
Franklin	Minimum....	...	24	28	45	28	27	...	32	33	35	36	33	34	...	...	20	19	...	...	...	13	12	...	...	...	...	3	4	10	12	23.4
	Maximum	59	60	52	63	58	46	56	48	52	61	63	59	57	53	46	41	38	40	45	49	54	40	30	40	44	29	23	29	32	39	41	46.4
Glasgow.....	Minimum....	34	32	25	46	34	27	35	34	31	31	43	31	39	38	38	30	26	19	23	37	38	12	6	24	27	19	1	0	4	12	12	26.0
	Maximum	53	46	53	62	60	45	54	54	52	55	62	60	58	51	47	40	38	28	41	48	53	44	30	41	42	30	21	19	29	34	40	45.3
Greensburg.....	Minimum....	33	27	33	41	31	26	34	33	33	35	25	31	27	33	36	35	33	25	15	19	29	39	18	8	23	28	19	0	0	13	7	34.1
	Maximum	52	22	31	38	34	26	32	33	35	25	31	27	33	36	35	35	36	26	36	46	48	35	27	47	37	20	12	16	29	32	40	42.5
Irvington	Minimum....	51	46	53	62	54	43	54	46	51	56	63	57	51	48	41	38	36	35	45	46	48	35	15	13	25	20	12	- 2	3	4	17	14	25.6
	Maximum	33	27	33	41	31	26	34	34	35	30	38	31	36	35	31	31	24	19	26	36	35	15	13	25	20	12	- 2	3	4	17	14	25.5
Junction City	Minimum....	51	37	55	60	59	44	56	51	52	57	61	60	61	51	42	36	40	41	48	51	55	41	30	44	37	30	17	10	34	33	45	45.1
	Maximum	31	27	33	36	37	28	33	31	35	37	35	33	36	36	31	30	25	18	19	23	39	17	3	25	23	17	- 2	- 1	- 1	11	8	24.3
	Minimum....	31	27	33	36	37	28	33	31	35	37	35	33	36	36	31	30	25	18	19	23	39	17	3	25	23	17	- 2	- 1	- 1	11	8	24.3
Leitchfield	Maximum	50	49	53	60	59	44	57	49	53	56	63	58	52	50	45	40	39	37	41	45	49	40	28	39	39	29	14	- 1	0	3	15	12	26.1
	Minimum....	35	29	32	47	34	27	31	38	39	33	33	33	33	35	35	32	33	23	19	24	34	19	6	13	26	20	6	13	26	29	26	29.0
Lexington	Maximum	45	34	51	62	43	40	49	44	44	47	58	54	47	45	34	32	34	32	44	47	49	35	29	40	39	29	6	13	26	29	30	24.7
	Minimum....	29	26	30	42	31	26	35	35	34	34	37	32	36	30	28	28	23	17	28	37	35	12	8	25	19	4	- 3	0	6	21	20	24.7
Louisville	Maximum	47	36	47	60	42	42	53	47	48	50	61	56	50	48	38	34	36	31	43	47	50	32	29	41	42	22	8	15	28	32	38	40.4
	Minimum....	31	29	31	42	30	26	35	38	37	38	37	34	34	32	31	31	23	20	26	37	32	11	10	27	22	5	- 2	2	9	21	22	25.9
Louisville (Cherokee Park)	Maximum	51	40	50	60	41	52	51	47	49	51	59	55	47	45	36	35	35	33	45	50	53	43	26	40	41	23	17	16	28	32	37	42.4
	Minimum....	31	27	33	36	37	28	33	31	35	37	35	33	36	36	31	30	25	18	19	23	39	17	3	25	23	17	- 2	- 1	- 1	11	8	24.3
	Maximum	50	49	53	60	59	44	57	49	53	56	63	58	52	50	45	40	39	37	41	45	49	40	28	39	39	29	14	- 1	0	3	15	12	26.1
	Minimum....	35	29	32	47	34	27	31	38	39	33	33	33	33	35	35	32	33	23	19	24	34	19	6	13	26	20	6	13	26	29	26	29.0
Louisville (Cherokee Park)	Maximum	45	34	51	62	43	40	49	44	44	47	58	54	47	45	34	32	34	32	44	47	49	35	29	40	39	29	6	13	26	29	30	24.7
	Minimum....	29	26	30	42	31	26	35	35	34	34	37	32	36	30	28	28	23	17	28	37	35	12	8	25	19	4	- 3	0	6	21	20	24.7
St. John	Maximum	49	39	56	58	58	38	49	45	48	46	59	56	50	40	34	33	27	29	21	14	21	31	40	23	6	22	23	8	- 4	- 1	3	10	23.1
	Minimum....	31	29	31	37	31	26	28	36	36	36	30	33	30	30	27	29	21	14	21	31	45	47	53	45	28	39	43	30	15	16	30	40	29	42.3
Scott	Maximum	48	36	49	62	58	43	54	43	47	51	62	57	45	47	40	33	37	31	45	47	53	45	28	39	43	30	15	16	30	40	29	42.3
	Minimum....	29	26	29	40	30	25	28	36	35	36	33	31	33	35	32	29	29	21	16	20	34	40	17	3	22	20	13	- 3	0	10	12	23.9
Shelbyville	Maximum	51	39	49	61	60	41	50	46	50	60	60	58	54	48	45	35	40	34	44	45	51	45	30	40	...	28	15	15	28	31	38	*42.7
	Minimum....	33	24	31	35	35	26	31	31	36	38	30	31	33	35	32	32	32	24	24	30	42	45	19	43	30	38	38	25	13	14	25	35	36	40.6
Taylorsville	Maximum	49	38	46	59	58	38	47	45	46	49	59	56	53	45	40	35	35	32	42	45	49	43	30	38	38	25	13	14	25	35	36	43.3
	Minimum....	31	26	30	35	30	26	30	36	35	29	31	32	31	32	27	29	22	15	20	30	37	9	5	21	21	9	- 5	- 1	3	15	12	23.3
Williamstown	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eastern Division.																																
Ashland	Maximum	53	45	47	58	63	44	54	56	46	47	59	59	56	46	36	38	38	44	47	48	46	31	40	44	34	15	19	27	32	36	43.7
	Minimum....	36	32	34	33	42	33	34	31	39	32	28	38	40	35	33	33	32	26	20	33	38	29	15	25	33	11	1	1	12	10	27.2
Beattyville	Maximum	55	46	53	68	63	48	55	47	50	55	61	60	57	51	47	41	43	41	46	45	48	31	43	45	32	22	23	29	32	41	45.9
	Minimum....	30	25	31	30	38	28	34	28	37	30	31	31	37	32	32	30	30	30	11	11	28	4	21	30	19	1	0	- 1	10	7	23.9
Berea	Maximum	49	37	51	65	60	41	51	51	50	52	59	57	52	49	41	39	36	38	16	47	50	44	28	40	42	28	14	- 1	- 1	1	13	13.1
	Minimum....	33	26	31	38	35	28	36	37	36	38	34	31	41	35	33	31	27	18	21	30	44	18	12	25	28	14	- 1	- 1	1	13	13	26.0
Farmers	Maximum	53	42	51	65	64	52	55	53	51	52	63	60	54	51	43	42	41	39	45	49	50	48	45	48	47	36	33	25	30	36	40	47.3
	Minimum....	31	26	27	34	28	24	30	33	23	31	26	23	31	29	27	24	25	12	26	34	26	8	8	22	27	9	- 3	- 2	- 3	4	2	22.2
Harlan	Maximum	31	36	27	27	34	28	33	23	34	26	23	31	29	37	29	27	24	25	12	26	34	26	8	22	27	9	- 3	- 2	- 3	4	2	22.2
	Minimum....	52	50	50	64	64	60	60	56	53	53	55	57	55	59	51	50	50	45	40	50	50	45	40	42	42	35	25	30	36	32	48.2
	Maximum	27	29	35	34	35	25	30	35	34	39	31	35	35	34	35	34	30	20	25	30	34	14	15	19	30	21	- 4	15	5	15	11	26.1
	Minimum....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hindman	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Maysville	Maximum	52	42	46	56	56	41	49	49	44	44	58	58	55	42	41	33	35	26	44	46	48	48	29	38	38	30	12	15	26	32	36	41.2
	Minimum....	32	25	31	33	33	30	33	31	39	25	23	36	32	35	29	31	25	19	18	27	39	29	7	24	29	12	1	2	3	10	8	24.5
Middlesboro	Maximum	53	53	59	60	61	52	51	57	55	57	59	59	53	54	51	48	43	39	45	50	49	43	41	44	35	32	23	33	35	37	48.2
	Minimum....	34	33	39	41	42	32	34	35	50	29	31	40	39	32	28	15	18	20	39	42	42	25	17	32	27	1	- 3	0	12	13	24.1
Mount Sterling	Maximum	24	25	27	31	36	26	32	32	34	35	50	29	31	40	39	32	30	14	30	39	42	25	15	26	40	27	14	10	12	30	37	40.5
	Minimum....	50	37	47	62	62	42	52	49	45	48	58	54	46	47	41	32	37	34	39	47	50	42	25	46	34	33	45	31	20	26	32	41.0
Quicksand	Maximum	31	27	36	31	40	31	36	29	36	40	30	32	35	38	33	33	33	19	18	30	35	22	15	20	30	19	1	1	2	12	8	25.7
	Minimum....	53	44	54	69	64	48	55	58	48	57	61	60	59	57	52	45	47	31	29	21	17	20	20	30	35	22	15	20	30	19	1	2	12	8
Richmond	Maximum	30	27	36	31	40	31	36	29	36	40	30	32	35	38	33	33	33	19	18	30	35	22	15	20	30	19	1	1	2	12	8	25.7
	Maximum	50	37	47	62	62	42	52	49	45	48	58	54	46	47	41	32	37	34	39	47	50	42	25	46	34	33	45	31	20	26	32	41.0
Sergent	Minimum....	24	25	27	31	36	26	32	32	34	35	50	29	31	40	39	32	30	14	30	39	42	25	15	26	40	27	14	10	12	30	37	40.5
	Maximum	54	47	56	70	60	56	55	59	55	48	55	60	56	61	58	49	36	40	43	39	38	43	42	45	38	37	21	5	18	16	26	46.6
	Minimum....	28	28	37	32	27	23	25	26	35	41	29	33	30	32	32	32	28	20	18	28	30	28	15	20	32	11	- 4	10	2	11	10	24.2
Williamsburg	Maximum	55	52	51	62	61	51	60	62	56	60	59	61	61	57	51	51	41	45	47	49	52	48	35	45	45	29	27	23	37	35	42	48.9
	Minimum....	35	27	36	35	37	30	36	27	36	31	32	31	36	41	28	33	28	17	20	34	39	20	13	24	30	22	4	0	4	15	16	26.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * are indicate respectively 1, 2, 3 etc., days missing from record.

W. B. G. Louisville, 1-27-26-950

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXX LOUISVILLE, KY., ANNUAL, 1925. No. 13

GENERAL SUMMARY.

The temperature for the year averaged somewhat above normal, but marked departures from seasonal conditions characterized several of the months. February, with one exception, was the warmest month of the name on record. The mean temperatures of April and May were the same. June averaged warmer than July or August; while September, the warmest of record, was warmer than any of the summer months, and its average temperature exceeded the normal mean for July. Precipitation was considerably less than normal and seriously deficient through the growing season. Its areal distribution was extremely irregular. Except in February, which showed a small excess, precipitation was deficient in every month from January to August, inclusive, and also in December, which was the driest of record. From January to March the soil remained most of the time in a well drained condition, hence the winter freezes had slight lifting effect on wheat and grasses. Warm weather and abundant sunshine in February and March prematurely developed fruit buds, and greatly advanced grains and pastures. The warm April following caused fruit trees to bloom early, and quickly brought the first vegetables to maturity. The cool, dry May adversely affected germination and growth, but favored cultivation. During the month the need for rain became acute in the northern and western counties. Depletion of subsoil moisture, due to the dry winter and spring, was the underlying cause of the early appearance of drought. Rains in June reached most districts, but deep saturation rarely occurred. After these rains the extreme northern counties received sufficient moisture, but crops suffered more or less at times in most other districts. High temperatures and the dry subsoil largely offset the effect of the rains. The yield of deeply rooted crops, such as alfalfa, clover, timothy, etc., was much reduced. The acreage of tobacco was reduced because transplanting in the hilly section could not be completed. The July rains were badly distributed and large areas, mainly south-central, again became quite dry. August, the driest month of the growing season, intensified the unfavorable conditions. Water shortage had appeared locally early in the summer, but now the situation became so acute as to cause great inconvenience in obtaining stock water and much anxiety regarding the purity of domestic supplies. These conditions grew worse in September, until gradually relieved by the frequent light rains late in the month. The extreme September heat and the failure of the August rains rendered hopeless the situation of the late crops of corn, tobacco and potatoes. October, cold with persistent rains and heavy snow, had few days on which outdoor work could be comfortably performed. November, also cold and wet, delayed corn gathering. The prevailing humid atmosphere in October and November, together with the inclement conditions outdoors, led to good progress in tobacco stripping. Pastures continued fairly good until the middle of December. The year was remarkable for tornadoes, which occurred on March 18th, October 16th, and December 4th. These storms killed 21 persons, injured 203, and caused damage estimated at $1,380,000.

The Weather By Months.

JANUARY.—Temperatures were variable, with mild weather predominating, until the 26th. The month ended with a cold wave, accompanied by considerable snow that afforded some protection to wheat. Precipitation was light, but occurred so frequently as to render conditions favorable for handling tobacco.

FEBRUARY.—Temperatures were moderate and at times spring-like until near the close, when the untimely tendencies of fruit trees to bloom were checked by cold weather. Light precipitation and comparatively dry soil led to excellent progress in early plowing and sowing tobacco seed.

MARCH.—After a few cold days at the beginning, temperatures were moderate to unseasonably high. Plums bloomed as early as the second week and were damaged by freezes later on. Frequent frosts and occasional light freezes were beneficial in retarding other fruits. Comparatively light precipitation contributed to rapid progress in plowing, gardening, potato planting and sowing plantbeds.

APRIL.—Temperatures averaged above normal almost continuously. Precipitation was light, and seasonal activities advanced with exceptional rapidity. There were no general frosts after the 1st. Early wheat commenced to joint by the second week. Farm operations and the condition of vegetation were one to two weeks ahead of the season.

MAY.—The month was cool, dry, and generally unfavorable. In the northern counties frost caused serious damage to corn on lowlands on the 25th and 26th. Tender vegetables were injured in northern, central and western districts. Dry weather interfered with tobacco setting.

JUNE.—Drought prevailed in the eastern counties during the first three weeks, but rains brought relief to most districts in the last decade. Tobacco setting was seriously hindered. Early potatoes made a poor crop. Oats headed very short, and all hay crops gave light yields.

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature.				Precipitation	
	Mean.	*Departure	Highest.	Lowest.	Average.	*Departure
1889	55.6	−0.9	101	3	35.97	− 9.77
1890	57.1	+0.6	101	4	58.82	+ 12.88
1891	56.3	−0.2	105	0	49.69	+ 3.95
1892	55.3	−1.2	101	− 6	44.25	− 1.49
1893	55.5	−1.0	101	−22	44.71	− 1.03
1894	57.1	+0.6	105	−12	34.81	−10.93
1895	55.0	−1.5	104	−18	38.47	− 7.27
1896	57.6	+1.1	106	−12	44.68	− 1.06
1897	57.2	+0.7	107	−16	46.72	+ 0.98
1898	57.2	+0.7	103	−12	52.38	+ 6.64
1899	56.4	−0.1	105	−33	46.38	+ 0.64
1900	57.7	+1.2	101	− 9	44.40	− 1.34
1901	55.3	−1.2	112	−22	35.65	−10.09
1902	56.5	0.0	107	− 3	44.35	− 1.39
1903	55.8	−0.7	104	−16	41.16	− 4.58
1904	55.3	−1.2	100	− 9	35.10	−10.64
1905	55.8	−0.7	106	−16	47.68	+ 1.94
1906	57.0	+0.5	100	−12	48.84	+ 3.10
1907	56.1	−0.4	102	−11	47.76	+ 2.02
1908	57.7	+1.2	104	− 2	41.94	− 3.80
1909	56.5	0.0	104	−14	51.36	+ 5.62
1910	55.3	−1.2	100	−20	50.67	+ 4.93
1911	58.0	+1.5	106	−16	46.77	+ 1.03
1912	54.6	−1.9	100	−20	42.93	+ 2.19
1913	57.9	+1.4	109	− 2	47.46	+ 1.72
1914	56.3	−0.2	109	−16	41.89	− 3.94
1915	56.2	−0.3	102	0	51.92	+ 6.18
1916	56.2	−0.3	102	−14	45.49	+ 0.25
1917	53.5	−3.0	100	−21	46.01	+ 0.27
1918	56.5	0.0	111	−20	40.64	− 5.10
1919	57.9	+1.4	104	− 1	52.13	+ 6.39
1920	55.5	−1.0	100	− 6	46.90	+ 1.16
1921	60.1	+3.6	106	11	49.42	+ 3.68
1922	58.5	+2.0	103	1	44.43	− 1.31
1923	57.1	+0.6	99	− 4	53.92	+ 8.18
1924	55.0	−1.5	103	− 9	42.68	− 3.06
1925	57.6	+1.1	110	− 9	41.11	− 4.63

*Compared with 35 years' normal.

Climatological Data for the Year 1925.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number of days				Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION																				
Beaver Dam	Ohio	441	22	59.2	110	Sept. 6	− 3	Jan. 28	22	43.93	6.95	Oct.	0.05	Aug.	.....	84	202	79	84	w.
Blandville	Ballard	445	41	58.6	104	Aug. 19†	0	Jan. 28	47	43.08	9.75	Oct.	0.47	Aug.	9.7	90	158	93	114	sw.
Calhoun	McLean	437	22	58.3	103	Sept. 6	2	Dec. 27	23	40.94	7.07	Oct.	1.09	May	11.2	98	c112	c167	*83	nw.
Earlington	Hopkins	420	36	.....	108	Sept. 6	− 1	Jan. 28	36	41.61	10.64	Oct.	0.59	Aug.	8.5	96	260	41	94	sw
Greenville	Muhlenburg	519	9	.....	109	Sept. 7	− 4	Jan. 28	9	45.58	9.61	Oct.	0.48	Aug.	7.0	97	u208	u87	u48	s.
Hopkinsville	Christian	624	30	59.8	108	Sept. 5†	− 1	Jan. 28	30	48.55	7.61	Oct.	1.55	May	5.5	104	166	81	119	s.
Marion	Crittenden	571	28	58.8	105	Sept. 5†	− 1	Jan. 28	29	35.67	6.53	Oct.	T.	Aug.	10.7	63	151	102	112	sw.
Mayfield	Graves	364	17	60.0	105	Sept. 4†	1	Jan. 28	17	.....	.....	Oct.	.....	.....	.....	.....	n189	n114	*48	sw.
Owensboro	Daviess	479	29	57.5	104	Sept. 6	− 2	Dec. 27	29	41.36	7.17	Oct.	0.89	Aug.	7.0	95	193	59	113	s.
Paducah (near)	McCracken	516	9	.....	106	Sept. 4†	1	Jan. 28	9	46.00	11.50	Oct.	0.10	Aug.	8.5	74	225	54	86	se.
Paducah	McCracken	341	.....	.....	.....	.....	.....	.....	37	39.67	10.81	Oct.	0.37	Aug.	10.0	79	.....	.....	.....	.....
Princeton	Caldwell	529	19	58.7	104	Aug. 19†	2	Jan. 28†	21	43.20	10.98	Oct.	0.56	Aug.	12.5	105	137	116	112	s.
Ramsey, Lock 2	McLean	384	.....	.....	.....	.....	.....	.....	9	39.29	6.83	Oct.	1.01	Aug.	8.7	98	.....	.....	.....	.....
Russellville	Logan	550	15	58.3	108	Sept. 7	0	Dec. 28	15	.....	.....	Oct.	.....	.....	.....	.....	x189	x35	x117	s.
CENTRAL DIVISION.																				
Anchorage	Jefferson	700	25	55.8	105	Sept. 9	− 6	Jan. 28	25	36.80	6.18	Oct.	0.99	Aug.	11.5	93	*191	*64	*109	sw.
Bardstown	Nelson	637	29	57.3	106	Sept. 9	− 5	Jan. 28	29	45.16	7.80	Oct.	0.61	Dec.	8.3	97	172	31	162	sw.
Bowling Green	Warren	500	37	59.0	105	Sept. 7	1	Jan. 28†	38	50.28	7.88	Oct.	0.87	Dec.	7.5	96	163	115	87	w.
Brownsville, Lock 6	Edmonson	410	.....	.....	.....	.....	.....	.....	9	46.51	7.81	Oct.	1.09	Dec	4.0	112	.....	.....	.....	.....
Burnside	Pulaski	773	.....	.....	.....	.....	.....	.....	35	46.98	7.72	Oct.	1.01	Dec.	4.2	99	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	422	.....	.....	.....	.....	.....	.....	27	42.69	6.53	July	0.70	Dec.	.....	130	.....	.....	.....	.....
Cloverport	Breckenridge	422	.....	.....	.....	.....	.....	.....	12	41.69	8.20	Oct.	0.26	Aug.	9.5	108	.....	.....	.....	.....
Dix Dam, Burgin	Mercer	770	2	57.6	104	Sept. 6	− 1	Dec. 27	2	40.99	6.43	Oct.	0.70	Dec.	.....	125	p176	182	p91	s.
Eubank	Pulaski	1,177	32	57.0	102	Sept. 6†	− 2	Dec. 28	32	43.86	8.84	Oct.	0.80	Dec.	10.0	92	67	155	143	s.
Frankfort	Franklin	560	34	57.2	101	Sept. 6	− 2	Jan. 28	37	38.61	5.58	Oct.	0.36	Dec.	9.2	102	190	37	138	w.
Franklin	Simpson	691	30	60.1	105	Aug. 19	.....	.....	31	.....	.....	.....	.....	.....	.....	.....	209	50	106	s.
Goest, Lock 3	Henry	449	.....	.....	.....	.....	.....	.....	15	46.93	9.21	July	0.45	Dec.	.....	122	.....	218	24	84	s.
Glasgow	Barren	780	5	59.4	107	Sept. 7	− 2	Jan. 28	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grant, Dam 38	Boone	506	.....	.....	.....	.....	.....	.....	1	35.22	7.70	July	0.58	Dec.	.....	106	.....	.....	.....	.....
Greensburg	Green	581	33	56.9	103	Sept. 6†	− 2	Jan. 28	37	44.81	7.32	Oct.	0.52	Dec.	7.2	132	92	23	250	n.
High Bridge, Lock 7	Jessamine	590	.....	.....	.....	.....	.....	.....	24	39.20	6.09	Oct.	0.55	Dec.	12.5	116	.....	.....	.....	.....
Irvington	Breckinridge	646	28	57.7	103	Sept. 6	− 2	Jan. 28†	28	38.70	7.74	Oct.	0.61	Aug.	5.5	83	186	58	121	sw.
Junction City	Boyle	985	32	57.4	106	Sept. 9	− 6	Jan. 28	33	52.41	8.27	Oct.	0.95	Dec.	16.5	136	135	176	54	sw.
Leitchfield	Grayson	645	30	57.8	103	Sept. 5†	− 1	Jan. 28†	30	43.11	7.93	Oct.	1.13	May	12.6	88	145	155	67	s.
Lexington	Fayette	980	42	55 8	99	Sept. 9	− 4	Jan. 28	28	37.52	5.83	Oct.	0.80	Dec.	10.7	127	123	99	143	sw.
Little Hickman, Lock 8	Jessamine	823	.....	.....	.....	.....	.....	.....	15	36.11	5.36	Oct.	0.51	Aug	8.2	91	.....	.....	.....	.....
Lockport, Lock 2	Henry	476	.....	.....	.....	.....	.....	.....	16	45.45	6.71	July	0.35	Dec.	13.5	120	.....	.....	.....	.....
LOUISVILLE	Jefferson	525	53	57.3	101	Sept. 9	− 2	Jan. 28†	53	31.17	6.43	Oct.	0.89	Aug.	12.2	109	122	118	125	s.
Do. Cherokee Park	Jefferson	534	16	56.8	100	Sept. 6	− 5	Jan. 28	17	34.54	6.15	Oct.	1.12	Dec.	13.3	99	156	97	112	s.
St. John	Hardin	777	30	56.8	108	Sept. 6	− 4	Jan. 28	30	48.44	8.48	Oct.	1.35	Aug.	13.3	55	240	56	69	.....
Salvisa, Lock 6	Mercer	490	.....	.....	.....	.....	.....	.....	12	44.56	5.55	Oct.	0.42	Dec.	.....	89	.....	.....	.....	.....
Scott	Kenton	900	28	54.5	98	Sept. 9	− 6	Jan. 28	28	38.89	7.77	July	0.65	Dec.	16.8	130	102	134	129	w.
Shelbyville	Shelby	825	37	56.7	103	Sept. 6†	− 3	Dec. 27	37	.....	.....	.....	.....	.....	.....	.....	c161	*46	c155	s.
Taylorsville	Spencer	489	24	56.1	102	Sept. 6†	− 8	Jan. 28	24	41.49	6.38	Feb.	0.40	Aug.	10.2	112	187	64	114	s.
Tyrone, Lock 5	Anderson	526	.....	.....	.....	.....	.....	.....	8	40.17	7.05	Oct.	0.43	Dec.	12.6	93	.....	.....	.....	.....
Williamstown	Grant	943	23	55.2	98	Sept. 9	− 9	Jan. 28	23	40.86	6.47	Oct.	0.71	Dec.	16.3	123	136	116	113	w.
Woodbury, Lock 4	Butler	533	.....	.....	.....	.....	.....	.....	9	39.79	6.87	Oct.	0.41	Aug.	9.2	112	.....	.....	.....	.....
EASTERN DIVISION.																				
Ashland	Boyd	534	9	.....	.....	.....	− 8	Jan. 28	9	41.66	6.55	Oct.	0.73	Dec.	.....	100	.....	.....	.....	sw.
Beattyville	Lee	630	22	57.3	104	Sept. 6	− 1	Dec. 29	23	43.05	9.10	Oct.	0.79	Dec.	8.5	125	101	88	176	w.
Berea	Madison	1,070	24	57.1	103	Sept. 6†	− 5	Jan. 28	24	42.55	7.88	Oct.	1.21	Dec.	14.5	131	113	128	124	sw.
College Hill, Lock 11	Madison	601	.....	.....	.....	.....	.....	.....	16	40.84	6.68	Oct.	0.68	Dec.	11.8	122	.....	.....	.....	.....
Cynthiana	Harrison	684	.....	.....	.....	.....	.....	.....	8	41.45	6.48	July	0.47	Aug.	7.0	112	.....	.....	.....	.....
Falmouth	Pendleton	600	.....	.....	.....	.....	.....	.....	18	40.75	6.14	July	0.62	Dec.	10.0	116	177	46	142	se.
Farmers	Rowan	668	18	55.6	103	Sept. 6†	− 8	Jan. 28	20	.....	.....	.....	.....	.....	.....	.....	115	133	117	w.
Ford, Lock 10	Clark	593	.....	.....	.....	.....	.....	.....	10	40.39	5.41	July	0.31	Dec.	7.9	116	.....	.....	.....	.....
Greenup, Dam 30	Greenup	540	.....	.....	.....	.....	.....	.....	6	36.39	6.43	July	0.73	Dec.	.....	81	.....	.....	.....	.....
Hoodenburg, Lock 14	Lee	664	.....	.....	.....	.....	.....	.....	9	41.02	8.47	Oct.	0.57	Dec.	.....	113	.....	.....	.....	.....
Louisa	Lawrence	584	.....	.....	.....	.....	.....	.....	22	39.43	6.73	Oct.	0.96	Dec.	.....	74	.....	.....	.....	.....
Maysville	Mason	524	29	.....	.....	.....	.....	.....	29	36.69	6.05	Oct.	0.42	Dec.	10.5	126	110	134	121	s.
Mount Sterling	Montgomery	930	36	55.6	102	Sept. 9	− 3	Jan. 28†	36	43.90	7.42	Nov.	1.00	Dec.	13.3	107	197	46	121	w.
Owenton, Dam 57	Campbell	497	.....	.....	.....	.....	.....	.....	4	39.23	6.74	July	0.58	Dec.	.....	99	.....	.....	.....	.....
Pikeville	Pike	636	.....	.....	.....	.....	.....	.....	20	34.48	5.90	Oct.	0.94	Aug.	.....	106	.....	.....	.....	.....
Prestonburg	Floyd	640	.....	.....	.....	.....	.....	.....	1	36.94	5.70	Oct.	0.77	Dec.	.....	80	.....	.....	.....	.....
Riverton, Lock 12	Estill	631	.....	.....	.....	.....	.....	.....	8	39.40	8.39	Oct.	0.25	Dec	.....	87	.....	.....	.....	.....
Richmond	Madison	926	35	57 6	103	Sept. 6	− 6	Jan. 28	35	40.69	6.93	Oct	0.35	Dec.	10.2	114	184	59	122	.....
Sergent	Letcher	1,235	3	57.7	101	Sept. 6†	− 4	Dec. 27	3	38.12	6.95	Oct.	0.70	Sept	12.6	93	126	102	77	sw.
Valley View, Lock 9	Madison	541	.....	.....	.....	.....	.....	.....	13	44.44	6.57	Nov.	0.92	Dec.	13.0	123	.....	.....	.....	.....
Vanceburg, Dam 32	Lewis	525	.....	.....	.....	.....	.....	.....	11	43.58	7.60	Oct.	0.45	Dec.	.....	109	.....	.....	.....	.....
Williamsburg	Whitley	939	29	59.0	104	Sept. 6†	− 1	Jan. 28	31	40.79	6.62	Oct.	1.16	Dec.	5.1	87	241	80	44	.....
Willow, Lock 13	Lee	611	.....	.....	.....	.....	.....	.....	7	40.56	8.64	Oct.	0.39	Dec.	.....	87	.....	.....	.....	.....

All temperature data are taken from self-registering thermometers.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.
†Also on other dates.

JUNE.—The rainfall averaged near normal, and temperatures were moderate after the first week. Some localities received enough rain, while others remained too dry. Latest tobacco died badly before the rains came, and the crop developed unevenly. Corn improved in most districts. Drought continued in the lower Green River Valley.

JULY.—Except in the northern bluegrass region, the rainfall was very light. High temperatures and deficient moisture caused the drought areas to expand to include most central and southern districts. Tobacco cutting was forced by "firing", and the late crop made little growth. Late potatoes and late corn were seriously injured.

AUGUST.—Drought continued during the first decade. Late crops deteriorated and the water shortage became worse. Rains that occurred after the 10th partly replenished the water supply, but were too late to help the crops.

OCTOBER.—The month was exceptionally cold, cloudy, and unfavorable, with rain nearly every day. Corn molded in the shock and wheat sowing could not be completed. The snowfall, ranging between 3.0 and 6.5 inches, was unprecedented for this month. Pastures and rye furnished excellent grazing.

NOVEMBER.—Temperatures were variable, but cold weather predominated. Precipitation averaged above normal and interfered with outdoor work. Wheat grew slowly and remained small, but was generally well rooted. Pastures remained fairly good.

DECEMBER.—Moderate temperature and dry weather during the first three weeks enabled farmers to finish gathering corn. Wheat made some growth early in the month. Severe cold in the last decade caused ice gorges to form in the Ohio River.

Monthly and Annual Precipitation for the Year 1925, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Beaver Dam	2.05	-2.22	6.11	+2.33	3.30	-0.94	4.71	+0.59	0.80	-3.43	5.96	+2.79	2.05	-1.93	0.05	-3.26	4.60	+1.92	6.95	+4.15	6.25	+3.07	1.10	-2.65	43.53	- 1.02
Blandville	1.71	-2.92	4.09	-0.44	3.41	-1.22	2.89	-1.64	1.25	-2.99	5.07	+0.71	1.86	-2.03	0.47	-2.67	6.18	+3.63	9.75	+6.75	4.86	+0.79	1.54	-2.29	45.48	- 5.42
Calhoun	1.50	-3.38	5.35	+2.09	3.27	-1.46	3.01	-1.58	1.09	-2.87	3.23	-0.36	1.92	-2.30	1.15	-2.50	6.13	+3.35	7.07	+3.68	5.97	+2.51	1.25	-3.00	40.91	- 5.71
Centerville	1.61	.....	6.64	.....	3.77	.....	5.47	.....	1.60	.....	2.90	.....	1.80	.....	0.48	.....	4.71	+1.90	9.61	+5.55	5.56	+1.57	1.43	-2.85	45.56	.....
Hopkinsville	1.74	-3.39	6.64	+2.75	4.61	-0.23	4.19	-0.16	1.55	-2.68	3.33	-0.95	4.15	+0.22	1.74	-1.70	4.86	+1.71	7.61	+4.57	6.15	+2.01	1.94	-2.84	48.56	- 0.69
Marion	1.33	-3.30	2.60	+0.77	2.52	-2.08	3.35	-1.23	1.73	-2.56	3.47	-0.11	4.00	+0.44	T.	-2.79	4.14	+1.10	6.53	+3.99	5.24	+1.92	0.56	-3.46	35.67	- 9.25
Mayfield	2.18	-1.79	5.49	+1.85	4.20	+0.14	2.27	-2.28	1.45	-2.78	2.07	-0.78	5.51	+1.49	0.95	-2.38	3.84	+0.75	.....	.....	.....	.....	.....	.....	.....	.....
Paducah (near)	1.75	.....	3.15	.....	3.35	.....	3.55	.....	1.00	.....	7.20	.....	4.25	.....	0.10	.....	4.10	+0.84	11.50	+7.51	5.15	.....	0.90	-3.84	46.66	.....
Paducah	1.21	-3.42	2.99	-0.62	2.85	-1.54	2.47	-1.86	1.18	-2.64	5.07	+0.55	2.22	-1.76	0.37	-2.91	4.54	+1.60	10.81	+8.13	5.04	+1.24	0.62	-2.84	39.67	- 6.66
Princeton	1.56	-2.69	4.34	-0.18	3.40	-1.75	3.06	-0.94	1.40	-3.78	3.75	+0.03	2.82	-0.80	0.56	-2.76	5.41	+2.63	10.98	8.49	4.83	+0.71	1.09	-3.25	46.30	- 1.28
Ramsey, Lock No. 2 †	1.54	.....	5.14	.....	3.25	.....	2.69	.....	1.16	.....	2.77	.....	1.90	.....	1.01	.....	5.91	.....	6.83	.....	5.92	.....	1.17	.....	39.29	.....
Russellville	2.01	-3.68	5.18	+1.51	2.52	-2.88	4.54	-0.30	.....	.....	1.93	-1.02	2.67	-2.08	1.25	-1.41	1.87	-1.13	6.54	+4.06	6.01	+2.39	1.36	-2.34	.....	.....
CENTRAL DIVISION.																										
Attenburge	2.07	-2.01	3.74	+0.90	3.48	-0.76	2.45	-1.55	1.31	-2.53	2.03	-1.60	5.53	+1.09	0.99	-2.90	3.10	+0.44	6.18	+3.13	4.91	+1.96	1.01	-2.97	36.80	- 6.80
Bardstown	2.02	-1.91	6.16	.....	3.58	.....	2.90	-0.97	2.88	-0.65	6.41	+2.07	3.58	-0.33	0.80	-2.84	2.57	-0.28	7.80	+4.98	4.94	+1.56	0.61	-3.75	45.10	- 1.06
Bowling Green	2.68	-1.96	5.03	+0.36	6.19	+1.27	4.56	+0.30	3.49	-0.76	3.17	-0.70	5.02	+0.56	3.02	-0.50	2.38	-0.75	7.88	+5.51	5.99	+2.28	0.87	-3.45	50.28	+ 2.26
Do. No. 2	1.61	.....	4.04	.....	4.56	.....	3.49	.....	2.71	.....	.....	.....	2.83	.....	2.09	.....	2.02	.....	7.01	.....	6.19	.....	1.22	.....	.....	.....
Brownsville, Lock No 6†	2.35	.....	5.53	.....	5.35	.....	4.71	.....	2.49	.....	4.05	.....	2.65	.....	1.17	.....	2.61	.....	7.81	.....	6.80	.....	1.09	.....	46.51	.....
Burnside	4.34	-0.21	3.63	-0.46	4.08	-1.18	4.46	+0.26	3.80	-0.19	4.81	+0.69	4.80	-0.59	2.85	-1.31	1.58	-1.96	7.72	+4.69	4.46	+1.19	1.01	-3.28	46.58	- 2.35
Carrollton, Lock No. 1	1.59	-2.05	2.17	-0.71	3.57	+0.24	2.72	-0.46	2.00	-2.04	4.32	+0.73	6.53	+3.13	5.17	+2.35	2.91	+0.08	5.72	+3.07	5.29	+2.36	0.70	-2.80	42.69	+ 4.40
Cloverport	1.65	-2.49	3.92	+1.29	3.99	-0.27	2.56	-1.19	1.65	-2.27	4.67	+0.59	2.95	-0.88	0.26	-3.56	4.91	+2.30	8.20	+5.14	5.56	+1.53	1.07	-3.75	41.69	- 3.16
Cold Spring, Dam 36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.47	.....	0.77	.....	.....	.....
D x Dam, Burgin	3.22	.....	3.18	.....	3.83	.....	3.52	.....	3.31	.....	5.48	.....	1.89	.....	1.58	.....	2.49	.....	6.63	.....	5.16	.....	0.76	.....	40.99	.....
Eubank	3.32	-1.15	2.78	-1.08	3.40	-1.58	5.67	+1.77	4.35	-0.03	4.97	+0.89	1.86	-2.68	1.72	-2.62	1.57	-1.94	8.34	+5.62	5.08	+1.91	0.80	-3.07	43.80	- 3.96
Frankfort	3.69	-0.41	4.69	+1.15	3.72	-0.98	2.02	-1.71	1.84	-1.97	3.61	-0.59	5.43	+1.52	0.99	-2.69	2.55	-0.31	6.58	+3.11	4.13	+0.72	0.36	-3.23	38.61	- 5.64
Franklin	1.66	-2.30	4.43	-0.41	1.90	-3.18	3.95	-0.43	2.50	-1.90	3.95	+0.36	3.65	-0.55	0.65	-2.89	3.25	-0.11	6.28	+3.62	5.75	+2.08	.....	.....	.....	.....
Gest, Lock No. 3	2.40	-2.12	4.36	+1.50	4.91	+0.56	1.66	-2.36	1.97	-1.28	5.45	+1.32	9.21	+5.19	2.25	-1.68	2.35	-0.75	6.57	+3.38	5.32	+2.22	0.45	-3.96	46.65	+ 1.82
Glasgow	2.97	.....	4.04	.....	.....	.....	4.73	.....	2.70	.....	3.96	.....	1.05	.....	3.42	.....	2.89	.....	7.25	.....	6.15	.....	0.37	.....	.....	.....
Grant, Dam 38	1.42	.....	2.22	.....	2.01	.....	2.06	.....	0.85	.....	2.61	.....	7.70	.....	3.23	.....	3.51	.....	3.87	.....	5.16	.....	0.78	.....	35.22	.....
Greensburg	2.93	-1.58	3.46	-0.56	3.74	-1.29	4.17	+0.32	3.02	-1.27	6.02	+1.57	2.61	-1.98	1.42	-2.48	3.30	+0.24	7.32	+4.56	5.50	+2.49	0.52	-3.64	44.41	- 3.62
High Bridge, Lock No. 7	3.36	-1.03	2.94	-0.31	3.72	-0.72	2.69	-1.07	3.36	-0.49	4.18	+0.26	3.49	-0.85	1.02	-3.03	2.74	-0.23	6.09	+3.11	5.06	+1.89	0.55	-3.92	39.20	- 6.38
Irvington	2.03	-2.39	4.72	+1.39	3.02	-1.58	2.84	-1.18	1.69	-1.72	4.07	+0.68	2.63	-0.92	0.61	-2.99	2.93	-0.06	7.74	+4.93	5.28	+2.47	1.14	-2.78	38.70	- 5.47
Junction City	3.33	-1.66	4.16	+0.42	4.83	-0.34	6.70	+2.76	2.90	-1.19	7.23	+3.52	3.20	-1.10	1.62	-2.53	2.72	-0.84	8.27	+5.74	7.10	+3.86	0.95	-3.58	52.41	+ 5.56
Lancaster	.....	.....	.....	.....	.....	.....	.....	.....	2.88	.....	7.58	.....	1.30	.....	1.77	.....	2.91	.....	7.45	.....	6.52	.....	0.71	.....	.....	.....
Leitchfield	2.38	-2.26	4.72	+1.24	2.23	-2.45	5.30	+1.22	1.13	-2.97	4.60	+0.87	2.62	-0.33	1.88	-1.79	2.36	-1.11	7.93	+5.20	5.75	+1.79	1.26	-3.63	43.11	- 4.22
Lexington	3.41	-0.42	3.02	-0.21	3.45	-1.27	2.49	-0.85	3.56	+0.04	3.96	-0.03	3.63	-0.81	1.15	-2.42	1.70	-0.72	5.83	+3.61	4.52	+1.04	0.80	-2.52	37.52	- 4.56
Little Hickman, Lock 8	3.31	-1.40	2.75	-0.50	3.75	-0.23	2.63	-1.20	4.22	+0.51	4.47	+0.30	2.16	-2.00	0.51	-4.44	1.38	-2.12	5.56	+2.51	5.03	+2.33	0.51	-3.54	36.11	- 9.78
Lockport, Lock No. 2	2.18	-2.26	4.33	+1.71	4.17	-0.30	1.64	-2.66	2.14	-1.29	5.96	+1.36	6.71	+2.69	2.72	-1.44	3.35	+0.62	6.41	+3.51	5.55	+2.64	0.37	-3.91	45.45	+ 0.47
Louisville	2.02	-1.88	3.10	-0.65	3.54	-0.78	2.21	-1.80	1.08	-2.56	2.16	-2.13	2.03	-1.11	0.89	-2.62	2.14	-0.49	6.43	+3.80	3.89	-0.28	1.14	-2.59	31.15	- 13.16
Do (Cherokee Park)	2.07	-2.43	3.91	+1.09	3.84	-0.57	2.52	-1.94	1.34	-2.39	2.35	-1.41	2.27	-2.84	1.24	-2.72	2.94	-0.20	6.15	+3.60	4.79	+1.53	1.12	-3.23	34.54	- 12.21
Manfordville	.....	.....	.....	.....	5.45	.....	3.46	.....	2.88	.....	7.58	.....	1.30	.....	1.77	.....	2.91	.....	7.45	.....	6.52	.....	0.71	.....	.....	.....
St. John	2.66	-2.57	4.18	+0.20	4.99	0.00	5.69	+1.82	2.47	-1.60	6.40	+2.37	3.88	+0.36	1.35	-2.80	2.09	-0.91	8.48	+5.65	5.60	+1.47	1.94	-2.61	48.14	+ 1.68
Salvisa, Lock No. 6	4.11	-0.39	4.04	+0.83	4.91	+1.76	3.51	+0.36	3.65	+0.44	2.80	-1.76	5.25	+0.84	1.98	-1.49	2.98	-0.14	5.57	+3.05	5.35	+3.60	0.42	-4.47	44.56	+ 2.63
Scott	2.00	-2.09	2.33	-0.42	2.95	-1.49	2.10	-1.08	1.17	-2.89	1.97	-1.71	7.77	+4.43	2.99	-0.55	3.93	+1.88	5.87	+3.53	5.16	+2.36	0.75	-2.96	38.89	- 1.09
Shelbyville	.....	.....	.....	.....	4.15	-0.56	2.90	-0.82	1.53	-2.59	2.71	-1.75	6.18	+2.03	0.65	-2.71	2.82	-0.03	6.88	+4.26	4.40	+1.08	0.46	-3.43	.....	.....
Taylorsville	2.93	-1.53	6.78	+2.92	4.21	-0.43	2.69	-1.08	2.63	-0.95	3.14	-1.12	5.16	+0.89	0.46	-3.47	2.41	-0.82	6.38	+3.41	4.58	+1.25	0.78	-3.83	41.49	- 5.35
Tyrone, Lock No. 5	3.07	.....	4.24	.....	3.58	.....	2.66	.....	3.34	.....	4.11	.....	6.09	.....	0.74	.....	2.01	.....	7.05	.....	3.85	.....	0.43	.....	40.17	.....
Williamstown	2.28	-1.35	3.62	+0.89	3.52	-0.86	2.35	-0.98	1.73	-1.83	2.81	-1.03	6.23	+2.55	3.29	-0.96	2.01	-0.95	6.47	+3.56	5.83	+3.11	0.71	-2.80	40.86	- 0.59
Woodbury, Lock No. 4†	2.06	.....	5.97	.....	4.62	.....	4.55	.....	1.14	.....	2.96	.....	0.68	.....	0.41	.....	2.57	.....	6.87	.....	6.69	.....	1.27	.....	39.79	.....
EASTERN DIVISION.																										
Ashland	3.55	-1.06	3.83	+0.77	3.65	.....	3.33	.....	4.75	.....	1.82	.....	5.86	+1.81	1.27	-3.00	1.34	.....	6.55	.....	4.98	.....	0.73	-2.68	41.66	.....
Beattyville	3.79	-0.95	3.67	-0.20	3.35	-1.73	4.03	-0.12	3.89	-0.28	2.81	-1.73	2.86	-1.90	1.37	-3.11	2.60	-0.47	9.10	+5.75	4.79	+1.85	0.79	-3.54	43.05	- 6.43
Berea	3.45	-1.30	2.77	-0.34	3.47	-1.29	3.67	-0.02	4.54	+0.48	3.24	-1.31	3.79	-0.80	1.89	-2.69	1.45	-1.41	7.88	+4.80	5.19	+2.09	1.21	-3.16	42.55	- 4.95
College Hill, Lock No. 12	3.00	-2.01	3.09	+0.43	4.24	+0.08	3.02	-0.24	4.33	+0.36	3.31	-0.85	2.79	-1.05	1.90	-2.46	2.37	-1.10	6.65	+3.34	5.43	+2.71	0.68	-3.00	43.84	- 4.88
Cynthiana	3.16	.....	4.30	.....	4.44	.....	1.87	.....	2.08	.....	4.99	.....	6.48	.....	0.47	.....	1.32	.....	6.25	.....	4.95	.....	1.45	.....	41.45	.....
Falmouth	2.39	-1.21	3.62	+0.26	3.37	-0.73	1.91	-1.56	1.55	-2.08	4.63	+0.46	6.14	+2.39	3.36	-0.17	2.06	-0.40	5.78	+3.34	5.28	+2.11	0.62	-2.73	40.75	- 0.41
Farmers	3.65	-0.77	2.75	-0.25	3.88	-0.58	2.05	-2.07	3.27	-0.56	3.25	-0.98	4.60	-0.20	2.95	-1.47	1.68	-1.82	6.33	+2.56	4.66	+1.60	.....	.....	.....	.....
Flemingsburg	.....	.....	.....	.....	4.13	.....	2.22	.....	3.14	.....	3.63	.....	3.59	.....	1.88	.....	1.04	.....	6.82	.....	4.16	.....	0.80	.....	.....	.....
Ford, Lock No. 10	2.98	-1.79	2.46	-0.35	3.91	-0.01	2.54	-1.39	3.78	+0.79	4.68	+1.10	5.41	+0.70	1.62	.....	3.16	.....	4.26	.....	5.28	+2.37	0.31	-3.52	40.30	.....
Grayson	.....	.....	.....	.....	3.22	.....	1.24	.....	3.36	.....	1.93	.....	2.95	.....	1.11	.....	0.89	.....	4.59	.....	5.82	.....	1.24	.....	.....	.....
Greenup, Dam 30	3.19	.....	1.93	.....	3.36	.....	2.57	.....	3.23	.....	3.51	.....	6.43	.....	0.91	.....	1.49	.....	4.86	.....	4.18	.....	0.73	.....	36.39	.....
Harlan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.94	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hazard	.....	.....	.....	.....	2.61	.....	2.78	.....	2.96	.....	3.94	.....	3.62	.....	1.59	.....	1.89	.....	6.48	.....	3.75	.....	1.76	.....	.....	.....
Heidelberg, Lock No 14	3.30	.....	3.26	.....	2.71	.....	4.15	+1.37	3.42	.....	2.77	-1.85	4.05	.....	1.90	.....	2.31	.....	8.47	.....	4.11	.....	0.57	.....	41.02	.....
Hookton	.....	.....	.....	.....	3.26	.....	3.27	.....	3.80	.....	3.97	.....	3.37	.....	1.37	.....	1.52	.....	6.64	.....	4.16	.....	.....	.....	.....	.....
Jenkins	.....	.....	.....	.....	2.71	.....	3.08	.....	.....	.....	4.16	.....	4.76	.....	0.91	.....	5.89	.....	8.37	.....	4.24	.....	1.47	.....	.....	.....
Louisa	2.98	-0.73	3.17	-0.16	4.27	+0.18	2.01	-1.36	3.62	-0.47	3.15	-1.64	4.75	+1.30	2.03	-1.86	1.23	-1.44	6.73	+3.85	4.23	+1.56	0.96	-2.54	39.43	- 3.21
Maysville	2.49	-1.67	3.55	+0.22	3.68	-0.96	2.23	-1.20	2.79	-1.26	2.51	-1.82	4.04	-0.26	2.33	-1.65	2.19	-0.44	6.65	+3.62	4.41	+1.57	0.42	-3.34	36.69	- 7.28
Middlesboro	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.83	-1.54	1.16	-3.10	3.03	+0.15	6.78	+5.17	5.24	+3.73	1.70	-3.48	.....	.....
Mount Sterling	2.83	-1.89	4.00	+0.01	4.70	-0.71	2.99	-0.93	4.35	+0.06	4.40	-0.78	4.09	-0.97	1.36	-2.61	1.80	-1.14	4.96	+1.99	7.42	+4.18	1.06	-3.24	43.99	- 5.18
Owensto, Dam No. 35	1.76	.....	2.97	.....	3.46	.....	2.84	.....	1.78	.....	1.93	.....	6.74	.....	3.15	.....	2.99	.....	5.95	.....	5.48	.....	0.58	.....	39.28	.....
Pikeville	4.04	-0.09	3.64	+0.29	2.89	-1.50	3.51	-0.07	2.46	-0.91	2.94	-1.45	2.43	-1.69	0.91	-3.13	1.44	-1.96	5.90	+3.04	3.34	+0.65	0.96	-2.82	34.48	- 9.04
Prestonsburg	3.22	.....	2.80	.....	2.15	.....	2.77	.....	3.86	.....	2.46	.....	4.08	.....	1.84	.....	2.80	.....	5.70	.....	4.55	.....	0.77	.....	36.94	.....
Quicksand	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.57	.....	1.90	.....	3.10	.....	5.65	.....	5.20	.....	0.93	.....	.....	.....
Ravenna, Lock No. 12	2.98	.....	2.64	.....	3.37	.....	2.32	.....	4.95	.....	4.57	.....	2.97	.....	0.97	.....	1.68	.....	8.39	.....	4.26	.....	0.28	.....	39.40	.....
Richmond	2.82	-1.69	2.74	-0.70	3.65	-0.74	4.24	+0.63	4.02	+0.45	2.64	-1.31	4.34	+0.30	1.80	-1.80	1.42	-1.42	6.93	+4.12	5.73	+2.86	0.35	-3.60	40.69	- 2.10
Sergent	3.20	.....	3.55	.....	2.25	.....	3.20	.....	3.60	.....	4.04	.....	3.65	.....	1.30	.....	0.70	.....	6.95	.....	5.48	.....	1.10	.....	38.12	.....
Valley View, Lock No. 9	3.38	-1.63	2.81	-0.48	3.36	-0.43	3.65	-1.03	2.45	-1.52	4.28	+0.48	4.40	+0.22	1.97	-2.69	4.48	+0.54	6.12	+2.66	6.87	+3.83	0.92	-3.58	44.44	- 3.80
Vanceburg, Dam No. 32	3.67	-0.40	3.51	.....	3.91	-1.30	1.50	-1.86	3.56	-0.33	2.41	-0.92	7.57	+2.69	2.10	-2.14	2.76	+0.07	7.60	+4.91	4.54	+0.36	0.45	.....	43.58	.....
Wayland	.....	.....	.....	.....	2.86	.....	.....	.....	.....	.....	1.67	.....	2.26	.....	.....	.....	1.29	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitesburg	.....	.....	4.05	.....	2.45	.....	3.68	.....	4.02	.....	6.35	.....	3.58	.....	0.62	.....	0.98	.....	6.49	.....	3.68	.....	0.95	.....	.....	.....
Williamsburg	4.22	-0.37	4.31	+0.71	2.78	-2.22	2.75	-1.53	2.06	-2.04	4.23	-0.19	3.39	-1.53	1.44	-3.22	3.73	+0.19	6.62	+3.85	4.16	+1.12	1.16	-2.71	40.79	- 8.34
Willow, Lock No. 13	3.30	.....	2.29	.....	2.95	.....	2.63	.....	4.31	.....	4.99	.....	3.71	.....	0.13	.....	2.02	.....	8.64	.....	4.42	.....	0.39	.....	40.56	.....

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determing in section or division means. T. Precipitation is less than 0.01 inch rain or melted snow.

†Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Monthly and Annual Mean Temperatures for the Year 1925, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
WESTERN DIVISION.																										
Beaver Dam	37.8	+ 2.2	45.6	+ 9.4	50.8	+ 3.2	63.0	+ 7.1	63.0	− 3.3	77.9	+ 3.7	78.6	+ 0.8	78.6	+ 2.2	78.9	+ 8.0	53.4	− 5.3	46.4	− 0.5	35.9	− 1.2	59.2	+ 2.2
Blandville	35.5	+ 1.5	44.2	+ 7.4	50.8	+ 3.5	63.2	+ 5.8	63.1	− 3.5	78.0	+ 3.0	78.6	+ 0.4	77.6	+ 0.8	77.7	+ 6.8	52.8	− 5.8	46.2	− 1.1	35.0	− 2.1	58.6	+ 1.4
Calhoun	a36.6	− 0.1	44.9	+ 7.2	50.7	+ 1.5	62.0	+ 3.6	61.1	− 6.0	77.0	+ 1.6	76.6	− 1.4	a77.5	+ 0.5	77.7	+ 5.7	53.4	− 6.6	45.9	− 2.3	36.0	− 2.2	58.3	+ 0.1
Earlington	36.8	+ 1.5	45.6	+ 9.3	51.6	+ 4.3	63.8	+ 6.5	63.6	− 3.6	80.0	+ 4.3	80.0	+ 1.6	78.9	+ 1.8	79.4	+ 8.3	53.1	− 6.2	45.4	− 2.5	.....	.....	.....	.....
Greenville	36.6	.....	a42.5	.....	49.3	.....	.....	.....	a62.2	.....	a79.4	.....	.....	.....	78.4	.....	a79.6	+ 8.6	54.2	− 5.1	a47.2	− 0.6	36.4	− 2.3	.....	.....
Hopkinsville	37.6	− 0.4	45.7	+ 8.7	51.9	+ 2.7	64.0	+ 7.2	63.6	− 4.0	79.6	+ 4.1	79.5	+ 0.7	78.8	+ 0.9	79.6	+ 7.5	54.0	− 6.6	47.0	− 1.6	36.0	− 2.5	59.8	+ 1.4
Marion	36.8	+ 0.8	44.3	+ 8.6	50.5	+ 2.0	63.8	+ 6.5	63.4	− 3.7	78.8	+ 3.8	79.3	+ 1.4	79.4	+ 1.3	79.0	+ 6.8	52.9	− 6.5	46.4	− 1.9	35.4	− 2.1	58.8	+ 1.0
Mayfield	37.2	+ 0.6	46.1	+ 8.1	52.0	+ 0.6	64.6	+ 7.4	64.5	− 1.9	80.6	+ 6.2	80.0	+ 2.1	78.0	+ 0.7	79.8	+ 8.4	55.2	− 4.6	b44.6	− 4.7	37.1	− 2.8	60.0	+ 1.7
Owensboro	35.4	− 0.1	42.1	+ 7.4	47.7	+ 0.8	61.8	+ 6.6	61.2	− 5.1	a77.4	+ 3.3	77.2	− 0.5	77.0	+ 0.7	77.7	+ 7.2	52.2	− 6.7	45.8	− 1.4	35.0	− 2.0	57.5	+ 0.8
Paducah (near)	36.0	.....	44.4	.....	51.2	.....	.....	.....	64.2	.....	80.2	.....	80.2	.....	79.2	.....	79.8	+ 6.8	55.0	.....	48.0	.....	37.0	− 2.6	.....	.....
Princeton	36.2	+ 0.6	44.3	+ 7.9	50.7	+ 2.2	63.3	+ 5.2	62.6	− 5.0	78.2	+ 2.5	78.8	+ 0.7	78.2	+ 0.8	78.2	+ 6.8	53.2	− 5.9	45.8	− 1.1	35.0	− 3.4	58.7	+ 0.9
Russellville	36.2	+ 0.9	b42.6	+ 5.2	a49.0	+ 0.2	b62.7	+ 4.7	a63.2	+ 1.9	78.6	+ 3.4	78.6	+ 0.5	b77.6	− 0.1	b79.8	+ 8.2	53.4	− 6.4	44.7	− 3.1	33.6	− 5.1	58.3	+ 1.3
CENTRAL DIVISION.																										
Anchorage	37.4	− 0.6	42.2	+ 9.2	47.2	+ 2.1	60.4	+ 7.2	59.7	− 4.4	a76.1	+ 4.2	75.4	− 0.6	75.8	+ 1.1	76.3	+ 7.8	49.6	− 7.2	42.5	− 1.8	32.0	− 1.6	55.8	+ 1.3
Bardstown	34.4	− 1.5	41.8	+ 7.3	49.0	+ 2.4	60.8	+ 5.5	61.2	− 5.8	77.3	+ 2.7	76.6	− 1.9	77.0	0.0	77.7	+ 6.2	52.2	− 6.9	45.0	− 2.0	34.6	− 1.1	57.3	+ 0.4
Bowling Green	37.3	+ 0.7	45.8	+ 8.2	50.2	+ 1.9	62.4	+ 4.3	63.4	− 4.2	78.8	+ 3.0	77.7	− 1.2	78.0	− 0.3	78.6	+ 6.9	53.9	− 5.3	46.3	− 1.0	36.0	− 1.6	59.0	+ 0.9
Dix Dam	35.5	.....	a44.3	.....	a48.9	.....	60.8	.....	61.2	.....	76.9	.....	77.5	.....	77.6	.....	78.0	.....	52.0	.....	a43.6	.....	34.4	.....	57.6	.....
Eubank	36.6	+ 1.6	44.6	+ 9.8	48.6	+ 2.5	b60.0	+ 5.7	60.0	− 4.0	75.0	+ 3.6	75.2	+ 0.3	75.2	+ 1.4	76.4	+ 7.9	52.6	− 4.3	b44.4	− 0.7	34.8	− 1.6	57.0	+ 1.9
Frankfort	35.0	− 1.0	43.5	+ 7.6	48.4	+ 1.8	60.3	+ 5.0	60.6	− 4.6	76.7	+ 3.1	76.6	− 0.3	75.8	+ 0.8	76.6	+ 8.1	53.1	− 4.0	44.9	− 1.5	34.4	− 2.8	57.2	+ 1.1
Franklin	32.2	+ 0.6	40.7	+ 7.7	53.2	+ 3.6	63.1	+ 3.9	63.4	− 3.3	79.6	+ 4.4	79.2	+ 1.4	77.4	+ 0.2	79.9	+ 7.9	b55.2	− 5.0	b47.6	− 2.2	b36.6	− 3.6	60.1	+ 1.3
Glasgow	38.0	.....	45.8	.....	a49.7	.....	62.9	.....	62.8	.....	79.1	.....	79.6	.....	78.4	.....	79.2	.....	54.5	.....	46.4	.....	36.2	.....	59.4	.....
Greensburg	36.2	+ 1.5	45.4	+10.5	49.0	+ 2.4	59.6	+ 4.4	59.8	− 5.0	74.6	+ 1.3	75.0	− 1.6	74.7	− 0.6	76.0	+ 6.4	53.1	− 4.0	44.8	− 0.4	34.7	− 1.6	56.9	+ 1.1
Irvington	35.4	− 0.8	44.0	+ 9.7	49.5	+ 2.7	61.9	+ 6.4	61.2	− 5.1	76.8	+ 3.1	76.8	− 0.6	77.3	+ 1.3	77.8	+ 7.4	52.1	− 3.6	45.2	− 1.5	34.0	− 2.0	57.7	+ 1.5
Junction City	36.6	+ 1.5	43.6	+ 9.0	48.1	+ 2.0	59.0	+ 4.1	60.0	− 4.6	76.4	+ 4.3	77.4	+ 2.0	77.8	+ 3.8	77.6	+ 8.3	53.3	− 4.5	44.2	− 0.3	34.7	− 1.5	57.4	+ 2.0
Leitchfield	36.0	+ 1.0	44.7	+ 9.5	49.2	+ 2.7	60.9	+ 5.5	61.2	− 3.9	77.6	+ 3.8	76.4	− 0.2	77.3	+ 1.8	78.4	+ 8.2	52.4	− 5.7	46.1	− 0.4	34.9	− 1.7	57.8	+ 1.7
Lexington	32.8	− 0.1	43.0	+ 7.6	46.6	+ 2.9	59.2	+ 4.9	59.8	− 4.5	75.8	+ 3.6	75.0	− 0.9	76.2	+ 1.7	76.2	+ 7.7	50.2	− 7.2	43.2	− 1.6	31.8	− 4.0	55.8	+ 0.8
Louisville	34.1	− 0.3	43.2	+ 6.0	48.1	+ 2.7	61.4	+ 5.0	61.2	− 5.4	77.4	+ 2.7	77.6	− 1.0	77.8	+ 0.8	77.5	+ 7.0	51.4	− 7.9	45.1	− 1.6	33.4	− 4.4	57.3	+ 0.3
Do. Cherokee Park	33.6	− 1.0	43.3	+ 7.6	48.6	+ 2.6	61.2	+ 5.1	60.4	− 4.7	76.0	+ 3.0	76.4	+ 0.4	75.2	+ 0.5	76.2	+ 7.3	51.6	− 6.3	45.0	− 1.6	34.1	− 2.1	56.8	+ 0.9
St. John	35.2	+ 1.1	43.2	+10.2	48.0	+ 2.5	60.3	+ 5.9	60.2	− 4.1	75.6	+ 2.9	76.4	+ 0.4	76.2	+ 1.3	77.4	+ 8.1	51.6	− 6.1	44.4	− 1.3	33.6	− 1.8	56.8	+ 1.6
Scott	32.5	− 0.6	41.8	+11.1	46.3	+ 2.9	58.2	+ 5.1	57.8	− 6.0	75.2	+ 3.6	73.4	− 3.2	73.2	− 1.9	73.8	+ 4.3	48.6	− 9.2	42.1	− 2.9	31.6	− 1.6	54.5	+ 0.1
Shelbyville	35.6	+ 2.3	44.0	+10.2	48.4	+ 3.7	60.0	+ 5.3	60.0	− 5.0	76.9	+ 3.4	75.6	− 1.3	75.8	+ 0.3	76.1	+ 6.9	50.9	− 5.8	43.8	− 0.6	33.1	− 1.9	56.7	+ 1.5
Taylorsville	33.4	− 0.8	a42.2	+ 6.8	47.8	+ 1.2	59.6	+ 5.1	59.2	− 5.4	75.5	+ 3.0	75.4	− 0.7	74.6	+ 0.3	a76.0	+ 8.0	52.3	− 4.0	44.0	− 0.8	b33.5	− 1.7	56.1	+ 0.9
Williamstown	32.0	− 0.4	41.8	+ 9.8	46.6	+ 2.0	59.7	+ 6.9	59.6	− 4.0	76.1	+ 4.9	74.1	− 1.6	74.2	0.0	74.4	+ 5.8	49.7	− 5.4	42.4	− 2.7	32.0	− 1.5	55.2	+ 1.1
EASTERN DIVISION.																										
Ashland	36.4	.....	43.3	+ 6.5	a50.0	+ 2.4	61.8	.....	60.4	.....	76.4	.....	75.4	.....	a76.1	.....	.....	.....	54.6	.....	44.3	.....	35.4	.....	.....	.....
Beattyville	36.2	+ 1.3	44.4	+ 8.7	48.5	+ 2.6	60.4	+ 5.9	60.6	− 3.6	75.6	+ 2.9	75.9	0.0	75.4	+ 0.3	76.6	+ 6.8	54.0	− 3.8	44.6	− 0.3	34.9	− 0.8	57.3	+ 1.7
Berea	35.4	0.0	45.9	+ 9.6	50.0	+ 2.9	59.8	+ 4.5	59.4	− 5.8	75.6	+ 2.7	75.0	− 1.1	75.0	+ 0.6	77.2	+ 7.9	52.2	− 6.4	44.5	− 2.8	34.6	− 2.0	57.1	+ 0.8
Farmers	34.4	− 0.4	43.0	+ 7.4	47.8	+ 2.7	59.3	+ 4.6	58.8	− 4.9	74.1	+ 2.9	73.6	− 1.3	a73.0	− 1.1	74.4	+ 6.7	b52.0	− 4.7	b42.6	− 2.2	34.8	− 1.2	56.6	+ 0.7
Harlan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b74.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	37.2	.....	.....	.....	.....	.....
Hindman	.....	.....	44.6	.....	48.0	.....	58.8	.....	59.7	.....	75.0	.....	75.4	.....	73.8	.....	74.5	.....	53.8	.....	a43.7	.....	.....	.....	.....	.....
Maysville	33.8	+ 0.7	42.6	+ 9.6	47.4	+ 2.8	59.6	+ 5.5	60.0	− 4.6	75.5	− 2.3	75.3	− 1.5	74.1	− 1.6	73.8	+ 4.2	.....	.....	43.4	− 1.2	32.8	− 1.0	.....	.....
Middlesboro	a41.1	+ 3.3	b42.4	+ 3.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b76.4	+ 7.5	54.6	− 2.8	44.2	− 1.6	36.2	− 2.2	.....	.....	.....	.....
Mt. Sterling	32.6	− 1.0	42.6	+ 9.2	46.9	+ 3.2	59.1	+ 5.5	59.2	− 4.9	75.2	+ 2.8	74.8	− 1.0	74.2	+ 0.1	a76.0	+ 8.4	51.5	− 4.1	b42.8	− 1.2	32.2	− 2.7	55.6	+ 1.2
Quicksand	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	(75.2	.....	75.4	.....	75.8	.....	53.8	.....	41.6	.....	33.8	.....	.....	.....
Richmond	33.6	+ 1.3	45.4	+10.1	49.4	+ 4.0	61.0	+ 5.5	61.0	− 4.6	77.0	+ 3.5	75.6	− 0.8	76.2	+ 0.7	77.3	+ 6.8	52.5	− 5.9	45.1	− 1.7	34.4	− 2.7	57.6	+ 1.4
Sergent	39 2	.....	45.3	.....	49.4	.....	60.7	.....	60.6	.....	a75.9	.....	b75.2	.....	74.0	.....	75.6	.....	55.2	.....	45.2	.....	35.8	.....	57.7	.....
Williamsburg	38.6	0.0	46.3	+ 8.8	50.7	+ 4.6	61.7	+ 6.0	62.4	− 3.4	77.0	+ 3.2	77.6	+ 0.9	75.7	−0.3	77.4	+ 6.9	56.2	− 3.3	46.3	− 1.0	37.7	− 1.4	59.0	+ 1.6

All temperature data are taken from self registering thermometers.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1925.

STATIONS.	Last in Spring.	First in Autumn.	STATIONS.	Last in Spring.	First in Autumn
WESTERN DIVISION			Irvington	April 1	Oct. 20
Beaver Dam	April 1	Oct. 20	Junction City	do 1	do 11
Blandville	Mar. 30	do 20	Leitchfield	do 1	do 20
Calhoun	April 1	do 20	Lexington	do 1	do 10
Earlington	do 1	do 20	Louisville	do 1	do 20
Greenville	do 1	do 20	Do. Cherokee Park	do 1	do 10
Hopkinsville	do 1	do 20	St. John	do 1	do 20
Marion	do 1	do 20	Scott	do 6	do 10
Mayfield	Mar. 30	do 26	Shelbyville	do 1	do 10
Owensboro	April 1	do 20	Taylorsville	do 1	do 11
Paducah (near)	do 1	do 20	Williamstown	do 6	do 10
Princeton	do 1	do 20	EASTERN DIVISON		
Russellville	do 1	do 20	Ashland	do 7	do 10
CENTRAL DIVISON			Beattyville	do 3	do 11
Anchorage	do 1	do 10	Berea	do 3	do 11
Bardstown	do 1	do 11	Farmers	do 6	do 10
Bowling Green	do 1	do 20	Hindman	do 7	do 10
Dix Dam	do 1	do 11	Mount Sterling	do 6	do 10
Eubank	do 1	do 11	Richmond	do 6	do 11
Frankfort	do 1	do 20	Sergent	do 7	do 11
Franklin	do 1	do 20	Williamsburg	do 2	do 11
Glasgow	do 1	do 20			
Greensburg	do 1	do 11			

MONTHLY SUMMARIES, 1925.

MONTH.	Temperature.				Precipitation.		Average number of days.			
	State average.	*Departure.	Highest.	Lowest.	State average.	*Departure.	With .01 or more rain.	Clear.	Partly cloudy.	Cloudy.
January	35.8	+ 0.3	65	−9	2.60	− 1.78	10	12	6	13
February	44.0	+ 8.0	76	8	3.91	+ 0.38	9	12	6	10
March	49.2	+ 2.8	84	4	3.59	− 1.28	9	16	7	8
April	61.2	+ 5.3	98	23	3.16	− 0.87	10	14	7	9
May	61.2	− 4.4	98	28	2.61	− 1.36	8	16	8	7
June	77.0	+ 3.1	105	48	3.90	− 0.19	7	16	8	6
July	76.7	− 0.2	105	46	3.93	− 0.24	9	15	10	6
August	76.5	+ 0.9	106	44	1.47	− 2.24	5	21	7	3
September	77.2	+ 6.9	110	45	2.83	+ 0.02	8	15	7	8
October	52.9	− 5.2	88	13	7.09	+ 4.49	15	6	7	18
November	44.9	− 1.4	73	−8	5.13	+ 1.60	9	12	6	12
December	34.8	− 2.8	70	−5	0.89	− 3.19	5	13	6	12
Annual means and extremes	57.6	+ 1.1	110	−9	41.11	− 4.63	104	168	85	112

Compared with 35 years' normal.

NOTE.—Tables and charts giving climatic data for Kentucky in detail during 1925 have been published for each month at the Kentucky section center, Weather Bureau Office, Louisville, Ky., and can be obtained from the Official in Charge at that office. Indexes to special articles published during past years in Kentucky climatological reports will be found in the Monthly Report for June, 1909.

W B O Louisville, 2 13 26 1650.

UNAL

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., JANUARY, 1926. No. 1

MAR 8 1926

GENERAL SUMMARY.

The temperature averaged not far from normal, but the weather was characterized by extreme departures in both directions. Alternating periods of abnormal warmth and sharp cold, about a week in length, resulted in decidedly changeable and at times quite severe conditions. Two cold waves that brought temperatures near zero to most districts occurred in the last decade. The first was ushered in with heavy snow that protected winter grains during the period of most severe temperatures. The other occurred with the ground practically bare, but was brief in duration. Heavy snow that prevailed on the 8th lay on the ground through a week of hard freezes, affording almost complete protection to wheat in the northern counties. Although winter grains were lifted to some extent by the freezing of soil temporarily saturated at the surface by rain or melted snow; good drainage during the warmer weather, or snow that accompanied the heaviest precipitation and lay on the ground for several days thereafter, served to largely prevent the usual midwinter injury. It was only on heavy clay uplands or exceptionally water soaked and badly drained spots that serious heaving occurred. At the close of the month wheat was reported as fairly good and generally equal to its average condition at this time in the winter. Warm, moist weather, with much fog, in the first week, led to the resumption of tobacco stripping, but the work was afterward interrupted by the frequent cold waves. Marketing was hindered by the bad condition of the roads. The complete thaws that followed the deep freezes caused macadamized roads to give way under heavy traffic, resulting in much damage. Dirt roads were either deep in mud or frozen rough. The cold waves caused some loss of young livestock, and necessitated special care and feeding. In the last decade heavy rains and melting snow caused freshets, with crests near flood stage, in the streams of the State.

TEMPERATURE.

The average temperature for the State, based on reports from 42 stations was 34.4°, which is 1.1° below normal. Temperatures averaged between 5° and 20° above normal in the periods 2d-5th, 16-20th, and 30th-31st; and as much below normal in the periods 8-10th, 12-14th, 22d-24th, and 28-29th. In the warm spells temperatures rose above 60° at many stations, while in the three last cold waves they fell below zero in northern districts. Extremes for the State were 69° at Williamsburg on the 20th and −11° at Farmers on the 14th.

PRECIPITATION.

The average precipitation for the State, 76 stations reporting, was 4.01 inches, which is 0.37 inch below normal for January. In a broad belt extending northeast-southwest from the Purchase to the Big Sandy, and including most of the State, amounts ranged between 4.00 and 5.50 inches. Along the Ohio and in the southeast border counties, they ranged from 2.5 to 3.5 inches. Light to moderate rain occurred from the 3d to 5th, and heavy rains in the periods 17-19th and 21st-22d. There was heavy snow over most of the State on the 8th and 9th, and light to moderate snow in the periods 21st-22d and 26-27th. The total snowfall varied between 2.5 inches in the southwestern counties and 14.5 inches in the Lower Licking Valley. Precipitation extremes were 5.65 inches at Mt. Sterling and 2.24 inches at Cold Spring, Campbell County. Thunderstorms were reported from a few stations on the 17th.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. In inches reduced to sea-level.					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Total movement	Av. hourly velocity	Max. Velocity * Miles per hour	Direction	Date
Cairo ..... Ill.	30.10	30.75	22	29.54	18	7038	9.5	38	n.	21
Cincinnati ..... Ohio	30.09	30.61	23	29.49	18	6575	9.4	36	s.	27
Evansville ..... Ind.	30.11	30.74	22	29.51	18	8461	11.4	40	w.	27
Lexington ..... Ky.	30.12	30.68	23	29.58	18	11250	15.1	54	w.	27
Louisville ..... Ky.	30.11	30.72	23	29.50	18	8494	11.4	42	w.	27

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with. 80 per cent or more.	Number of days with. 20 per cent or less.
Cairo ..... Ill.	83	65	65	169.9	368.4	55	14	12
Cincinnati ..... Ohio.	85	74	84	123.9	303.4	41	6	15
Evansville ..... Ind.	80	68	72	158.8	305.9	52	12	11
Lexington ..... Ky.	87	81	.....	104.9	305.9	34	6	17
Louisville ..... Ky.	75	68	70	138.5	305.9	45	10	12

COMPARATIVE DATA FOR JANUARY.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more rain.
1889	.....	.....	.....	.....	.....	.....	.....
1890	38.0	+3.5	65	13	3.52	−0.86	...
1891	41.0	+6.5	70	10	6.43	+2.05	...
1892	37.0	+1.6	58	14	5.46	+1.62	...
1893	29.0	−6.5	65	− 6	2.72	−1.65	...
1894	26.0	−9.5	67	−22	2.67	−2.39	...
1895	38.0	+2.5	78	−12	2.91	−1.47	...
1896	30.0	−5.5	67	−16	5.71	+1.33	11
1897	36.1	+0.6	70	− 3	1.25	−3.13	6
1898	32.0	−3.5	75	−16	3.25	−1.13	8
1899	40.4	+4.9	72	6	8.26	+4.38	12
1900	31.4	−1.1	67	−18	6.23	+1.85	11
1901	36.2	+1.7	72	− 8	2.85	−1.58	7
1902	33.7	−1.8	72	− 4	1.26	−2.53	7
1903	34.8	−0.7	70	− 9	2.50	−1.58	9
1904	32.3	−3.2	70	− 9	3.17	−1.21	10
1905	27.5	−8.0	59	−15	2.83	−1.55	11
1906	39.7	+4.2	70	− 9	2.48	−0.90	9
1907	43.2	+7.7	72	− 11	3.62	+0.64	14
1908	35.0	−0.5	62	7	2.26	−2.18	9
1909	...	−2.8	71	− 8	3.47	−0.91	9
1910	33.7	−1.7	70	−26	4.41	+0.03	10
1911	35.7	+4.2	73	−16	3.84	−1.59	11
1912	25.9	−9.6	61	−29	3.69	−1.29	8
1913	42.5	+7.0	76	13	11.41	+7.03	14
1914	33.4	+3.9	69	5	2.51	−2.07	8
1915	33.0	−2.5	66	0	5.53	+0.65	13
1916	41.2	+5.7	78	− 5	2.45	+2.59	11
1917	36.7	+1.2	74	−17	6.58	+2.90	12
1918	20.6	−14.9	62	−29	5.09	+0.51	14
1919	37.9	+2.4	68	− 1	3.62	−0.76	7
1920	39.4	+3.1	72	6	6.75	+2.37	10
1921	39.7	+4.2	71	12	3.06	−1.32	10
1922	34.6	−0.9	67	1	2.25	−2.13	8
1923	41.0	+5.5	68	11	6.11	+1.73	12
1924	31.3	−4.2	66	− 8	7.65	+3.67	8
1925	33.8	+0.3	66	− 9	2.66	−1.78	10
1926	34.4	−1.1	69	−11	4.01	−0.37	10

Climatological Data for January, 1926.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																			
Beaver Dam	Ohio	441	22	36.0 + 0.4	65	20	3	23	39		4.75 + 0.48	2.80	4.0	7	15	4	12	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	14	36.2 + 2.2	62	20	3	23	31		4.01 − 0.62	2.15	6.0	7	11	6	14	sw.	E. W. Horr.
Calhoun	McLean	437	22	35.7 − 1.0	63	20	− 1	23	36		4.11 − 0.77	2.15	6.0	7	12	9	10	nw.	W. A. Taylor.
Earlington	Hopkins	420	36	[f]36.8 + 1.5	62[k]	20†	0	23	43[c]		3.52 − 0.96	2.23	5.5	8	15	3	13	sw.	Brick Southworth.
Greenville	Muhlenburg	519	9	37.3 + 1.7	65	20	3	23	39		4.50 + 0.16	2.40	.....	11	15	6	10	s.	C. R. Lovell.
Hopkinsville	Christian	524	30	37.6 + 0.1	68	20	6	23	43		5.63 + 0.44	3.36	2.4	9	7	7	17	se.	W. E. Graves.
Marion	Crittenden	571	28	36.4 + 0.6	64	20	0	23	30		4.24 − 0.39	1.92	9.0	6	12	5	14	sw.	B. C. Paris.
Mayfield	Graves	364	17	*38.4 + 1.8	63*	20	7*	23	32[b]		4.65 + 0.62	2.45	.....	5	12	8	11	sw.	Mrs. C. R. Sowell.
Owensboro	Daviess	479	29	33.7 − 1.2	59	20	− 5	23	29		3.47 − 0.62	1.73	5.0	8	14	3	14	nw.	Henry S. Berry.
Paducah	McCracken	516	9	37.8	64	20	1	23	33		4.25	2.30	3.5	7	16	2	13	nw.	J. W. Lilley
Paducah (near)§	McCracken	341	37	.....	.....	.....	.....	.....	.....		3.50 − 1.13	1.30	3.0	6	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	529	19	35.9 + 0.3	62	20	2	23	37		3.28 − 0.97	1.30	4.0	10	13	6	12	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	9	.....	.....	.....	.....	.....	.....		4.39 + 0.78	1.52	7.5	10	.....	.....	.....	.....	Thos. L. Wetzell.
Rumsey, Lock 2 ‡	McLean	390	15	34.6 − 0.9	64	20	7	23	40		4.25 − 0.97	1.32	2.5	11	13	4	14	s.	Wm. Shelton.
Russellville	Logan	.....	.....	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																			
Anchorage	Jefferson	700	25	30.4 − 2.6	62	20	− 8	23	39		3.84 − 0.24	1.94	11.3	8	13	3	15	w.	C. E. Barret.
Bardstown	Nelson	637	29	34.4 − 0.9	65	20	0	23	42		3.85 − 0.87	2.25	7.5	9	13	2	16	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	36.6 0.0	67	20	7	23	40		5.65 − 1.01	2.00	4.5	14	11	4	16	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	1	.....	.....	.....	.....	.....	.....		5.09	1.59	3.4	12	.....	.....	.....	.....	J. Frank Thomas.
Bowling Green, No. 3	Warren	410	9	.....	.....	.....	.....	.....	.....		4.82	1.80	3.0	10	.....	.....	.....	.....	Virgil M. Whitlin.
Brownsville, Lock 6§	Edmonson	773	35	.....	.....	.....	.....	.....	.....		4.59 + 0.04	1.60	5.0	9	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	422	27	.....	.....	.....	.....	.....	.....		3.00 − 0.64	1.37	.....	14	.....	.....	.....	.....	Charlie Oliver.
Carrollton, Lock 1	Carroll	422	12	.....	.....	.....	.....	.....	.....		3.68 − 0.46	1.08	8.1	13	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	469	0	.....	.....	.....	.....	.....	.....		2.24	0.64	.....	8	.....	.....	.....	.....	W. L. Patchell.
Cold Spring, Dam 36	Campbell	770	2	*33.8	65*	20	5	14†	40[a]		4.03	1.57	9.5	13	11[d]	2[d]	14[d]	s.	Geo. Henry Ellis.
Dix Dam, Burgin	Mercer	1177	32	35.6 + 0.6	62	20†	− 2	14	41		4.28 − 0.19	1.82	7.0	7	11	4	16	s.	Mrs. Katie Payne.
Eubank	Pulaski	560	34	33.3 − 2.7	60	20	2	14	36		4.07 − 0.06	1.23	7.2	11	10	4	17	w.	Sidney Wood.
Frankfort	Franklin	691	31	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	Jos.H. Blewett.
Franklin	Simpson	449	15	.....	.....	.....	.....	.....	.....		3.01 − 1.10	0.94	.....	12	.....	.....	.....	.....	Albert Purvis.
Gest, Lock 3	Henry	506	1	.....	.....	.....	.....	.....	.....		.....	3.10	.....	.....	14	4	13	w.	Dr. Fidelia Edwards.
Glasgow	Barren	780	5	36.6	66	20	9	14	39		2.26	0.72	0.5	10	.....	.....	.....	.....	W. L. Patchell.
Grant, Dam 38	Boone	581	33	34.6 − 0.1	66	20	2	14	42		5.06 + 0.55	2.74	7.0	14	8	0	23	sw.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	550	24	.....	.....	.....	.....	.....	.....		4.57 + 0.18	1.84	8.0	10	.....	.....	.....	.....	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	646	28	34.9 − 1.3	68	5†	− 2	23	35		3.09 − 1.33	1.45	7.0	7	13	4	14	sw.	W. J. Piggott.
Irvington	Breckenridge	395	32	33.6 − 1.5	66	20	− 6	14	45		5.44 + 0.45	2.55	8.5	14	14	10	7	sw.	William E. Grubbs.
Junction City	Boyle	1032	0	.....	.....	.....	.....	.....	.....		4.45	1.94	6.0	11	.....	.....	.....	.....	L. J. Venhook.
Lancaster	Garrard	635	30	35.8 + 0.8	64	20	5	23	36		4.10 − 0.55	2.00	6.0	10	11	7	13	sw.	H. H. Willis.
Leitchfield	Grayson	989	42	32.0 − 0.9	59	20	5	23	39		4.43 − 0.60	2.37	9.6	15	9	4	18	sw.	U. S. Weather Bureau.
Lexington	Fayette	523	15	.....	.....	.....	.....	.....	.....		4.41 − 0.33	1.50	6.5	10	.....	.....	.....	.....	Horace Canter.
Little Hickman, Lock 8§	Jessamine	476	16	.....	.....	.....	.....	.....	.....		3.48 − 0.96	1.00	10.8	13	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Henry	525	53	33.7 − 0.7	59	20	3	23	38		3.73 − 0.17	1.97	10.3	10	10	6	15	s.	U. S. Weather Bureau.
LOUISVILLE	Jefferson	534	16	33.6 − 1.0	58	20	3	23	34		3.24 − 1.16	1.40	8.0	10	12	5	14	s.	Wm. I. Hunt.
Do (Cherokee Park)	Do	600	1	.....	.....	.....	.....	.....	.....		4.89	1.90	5.1	15	.....	.....	.....	.....	W. F. Nichols.
Munfordville	Hart	777	30	34.1 + 0.3	63	19	− 1	23	35		4.49 − 0.08	2.20	7.0	8	18	2	11	.....	Sisters of Loretto.
St. John	Hardin	490	12	.....	.....	.....	.....	.....	.....		4.87 + 0.87	1.50	.....	9	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6§	Mercer	900	28	30.8 − 2.3	54	19	− 5	29	42		2.76 − 1.33	0.90	11.0	13	6	9	16	w.	E. B. Wilson.
Scott ¶	Kenton	825	37	*32.0 − 1.3	61[a]	20	− 4[a]	23	35[a]		3.83 − 0.43	1.84	8.0	14	13[a]	2[a]	15[a]	w.	Mrs. W. T. Miller.
Shelbyville	Shelby	489	24	31.8 − 2.4	58	20	− 2	14†	40		4.26 − 0.20	1.80	6.2	11	14	2	15	s.	E. D. Bourne.
Taylorsville	Spencer	.....	.....	.....	.....	.....	.....	.....	.....		3.53	0.94	4.5	9	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5¶	Anderson	526	8	.....	.....	.....	.....	.....	.....		3.80 + 0.17	1.70	14.5	13	11	6	14	w	Mrs. E. S. Humlong.
Williamstown	Grant	948	23	30.9 − 1.5	56	20	− 4	23	38		4.24	1.40	3.2	12	.....	.....	.....	.....	J. C. Stinson.
Woodbury, Lock 4 ‡	Butler	533	9	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																			
Ashland	Boyd	534	9	33.5	63	20†	5	29	36		4.04 − 0.57	1.85	8.2	13	8	0	23	sw.	Curtis Purvis.
Beattyville	Lee	650	22	33.8 − 1.1	66	20	− 4	14	46		4.62 − 0.12	1.92	6.3	12	7	4	20	n.	Mrs. Sabina E. Hall.
Berea	Madison	1070	24	34.8 − 1.6	63	20	4	14	39		5.22 + 0.47	2.47	8.6	14	8	8	15	nw	Frank Montgomery.
College Hill, Lock 11	Madison	601	16	.....	.....	.....	.....	.....	.....		4.39 − 0.65	1.70	11.5	15	.....	.....	.....	.....	Kelly Watkins.
Cynthiana	Harrison	684	8	.....	.....	.....	.....	.....	.....		4.24	1.29	9.0	12	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	37	.....	.....	.....	.....	.....	.....		3.51 − 0.19	1.13	11.0	11	7	6	18	se.	J. V. Oldham.
Farmers	Rowan	668	18	[f]31.6 − 3.2	65[b]	20	−11[b]	14	54[b]		.....	1.47	.....	.....	10[a]	5[a]	15[a]	ne.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	841	1	.....	.....	.....	.....	.....	.....		3.16	0.90	.....	7	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10§	Clark	593	10	.....	.....	.....	.....	.....	.....		3.59 − 1.18	1.53	10.4	10	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	1	.....	.....	.....	.....	.....	.....		4.11	1.39	10.0	8	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	510	6	.....	.....	.....	.....	.....	.....		3.23	1.64	6.7	8	.....	.....	.....	.....	Percy Humphrey.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Agnes Farley.
Hazard	Perry	869	2	.....	.....	.....	.....	.....	.....		4.41	1.01	8.3	13	.....	.....	.....	.....	Chas. A. Brig.
Heidelberg, Lock 14	Lee	664	9	.....	.....	.....	.....	.....	.....		4.21	1.67	5.5	10	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	1	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	Miss Lake Napier.
Hazard	Perry	869	2	.....	.....	.....	.....	.....	.....		3.92	1.15	.....	17	.....	.....	.....	.....	R. R Davidson.
Jenkins	Letcher	1506	1	.....	.....	.....	.....	.....	.....		3.88 + 0.17	1.80	.....	6	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	22	.....	.....	.....	.....	.....	.....		2.41 − 1.72	0.84	11.0	10	10	2	19	sw	Perry E. Bennett
Maysville	Mason	524	29	32.4 − 0.7	60	20†	− 1	14	41		3.74 − 0.94	0.79	6.0	10	21	3	7	.....	Matthew Woodson.
Middlesboro	Bell	1128	30	34.4 − 3.4	62	30	4	14	39		5.33 + 0.61	2.42	10.5	14	15	1	15	w.	W. R. McKee.
Mount Sterling	Montgomery	930	36	32.4 − 1.2	62	20	− 1	14	38		2.77	0.95	8.5	8	.....	.....	.....	.....	Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	497	4	.....	.....	.....	.....	.....	.....		2.56 − 1.57	0.88	4.0	9	.....	.....	.....	.....	Robert Repass.
Pikeville	Pike	636	20	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	E. C. Hall.
Prestonsburg	Floyd	640	1	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breathitt	732	1	32.8	65*	20	0*	14	42*		4.05	1.50	6.0	8	.....	.....	.....	.....	Walter P. Bush.
Ravenna, Lock 12	Estill	631	8	.....	.....	.....	.....	.....	.....		4.70	2.20	.....	8	.....	.....	.....	.....	J. W. Crooke
Richmond	Madison	926	35	34.6 + 0.3	63	20	8	23	35		4.45 − 0.06	2.40	6.7	12	17	2	12	.....	Mary Rockwell.
Sergent	Letcher	1235	3	34.6	66	5	5	13	42		3.70	1.70	7.0	9	16	6	9	nw.	Thos. Sullivan.
Valley View, Lock 9	Madison	541	13	.....	.....	.....	.....	.....	.....		5.39 + 0.88	2.61	8.0	13	.....	.....	.....	.....	Samuel Johnson.
Vanceburg, Dam 32	Lewis	525	11	.....	.....	.....	.....	.....	.....		4.20 + 0.13	1.38	.....	8	.....	.....	.....	.....	.....
Wayland	Floyd	706	0	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	G. H. Zimmerman.
Whitesburg	Letcher	1142	1	.....	.....	.....	.....	.....	.....		3.01	1.21	6.0	8	.....	.....	.....	.....	Lawrence R. Chl.
Williamsburg	Whitley	939	29	37.0 − 1.6	69	20	8	14	44		2.43 − 2.16	0.72	4.0	9	18	4	9	.....	Shelby Angel.
Willow, Lock 13	Lee	611	7	.....	.....	.....	.....	.....	.....		4.06 + 0.76	1.35	5.5	8	.....	.....	.....	.....	.....
State averages and extremes		.....	.....	34.4	69	20	−11	14	54		4.01	3.36	7.1	10	12	5	14	sw.	.....

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section, or division means.
Dagger symbols (†, ‡, §, ¶, appearing in the table indicate number of days missing; for example, b represents two days, etc.
Reference letters, *, a, appearing in the table indicate number of days missing; for example, b represents two days, etc.
[a] Also on other dates. [b] Received too late to be included in means and summaries. [c] Precipitation is less than 0.01 inch rain or melted snow.
[d] Post-office addresses: [e] Lock 5, Lawrenceburg, Ky.; [f] Lock 6, Versailles, Ky.; [g] Lock 8, Nicholasville Ky.; [h] Lock 10, Red House, Ky.; [i] Scott, Covington, Ky.
[k] Lone Oak, Ky.

MISCELLANEOUS.

Rivers:—There was more or less ice running in the Ohio, causing suspension of navigation, from the 1st to the 20th. A gorge that formed between the mouth of Wolf Creek and Dam 44 during the 1st week, held until the 23d, when it passed out gradually on a rising river without damage. The heavy rains

Daily Precipitation for January, 1926

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Western Division																																
Beaver Dam G			.30					.30									.70	.15			2.80	.10										4.05
Blandville M			.36	T.				.08					T.				.72	.37			2.15					.15	T			.18		4.01
Calhoun G			.22	.03				.10			T.	T.	T.				.86	.25			2.15	T.				T	T					3.51
Carlington G			.26	.03				.26	T.			T.	T.	T.				.30	T.		2.23	T.				.01	.04			.20		3.07
Greenville G			.24	.03				.15			T.	T.	.01				.80	.20			2.40	.11				.03	.01			.42		3.62
Hopkinsville C			.25	.06		T.		.15	.07	T.	T.						1.02	.19			3.36	.02	T.			T				.52		4.56
Marion O			.36					.20			T.	T.	T.				.64	.78			1.92	.54				T.	T.			T		5.03
Mayfield M			.60					.25									.85	.50			2.45											4.24
Owensboro O			.24	.02				.15			T.	T.					.85	.12			1.78	.09				T.	T.			.22		3.47
Paducah (near) ¶ O			.45	.05				.05									.80	.40			2.30											3.75
Paducah O			.26	T.				T.	T.								.56	.44	T.		1.80	.80					T			.20		4.25
Princeton G			.21	.06				.15	T.		.01	T.	.01				.75	.34			1.30					.03	T			.42		3.00
Ramsey, Lock No. 2 G			.10	.12				.10	.25			T.	T.				.06	.94	.06		1.10	1.52								.43		4.36
Russellville G			.16	.05	.04			.12	.13								.12	.68			1.10	1.32					.02			.51		4.25
Central Division																																
Anchorage O			.13	.05	T.			.47	T		T.						.84	.10			1.94	.10				T				.21		3.84
Bardstown S			.15	.06				.56	.03								.65	.06			2.28					.02				.10		3.85
Bowling Green G			.10	.30	.05			.70					.10	.10			.50	.20	.10		1.60	2.00	.20				.10	T		.20		5.65
Bowling Green, No. 2 G			.04	.18	.14			.18	.07								.05	.87	.04		1.59	1.49				T.	.11			.30		5.09
Brownsville, Lock No. 6 G			.09	.12				.20	.10			T.	T.	T.			.13	.92	.04		1.15	1.80				T.	T.			.35		4.79
Burnside C			T.	.17	T.			.10	.26			T.	T.	T.			.06	.90	.04		1.60	1.40			T.		.06			.27		4.82
Carrollton (Lock No. 1) K				.05	.02			.03	.22	.02		.03	T.	.01				.57	.08		.47	1.37					.06	.02			.05	3.10
Cloverport O			.04	.18				.11	.25		T.	.02	.01	T.			.08	.63	.15		1.08	1.70					.01			.12		3.68
Cold Spring, Dam 36 O				.05	T.			T.	.32	T.	T.	T.	T.	T.				.60	.02	T.	.12	.64		.44		.05	T					2.24
Dix Dam, Burgin K			.01	.11	.05			.03	.40				T.	.01			.01	.70	.10	T.	.94	1.57				.08	.02			T.		4.03
Eubank C				.25				.20	.20									1.20			1.82	.56	.05									4.28
Frankfort K			T.	.12	.05			.06	.36	T.		T.	T.	.04				1.05	.20		.88	1.23					.05	T		.03		4.17
Franklin G																																
Gest, Lock No. 3 K				.08	.05			.03	.24	.03		T	T.				.03	.94	.07		.78	.69					.03			.04		3.01
Glasgow			.35	.15				.50										.05			3.10					T.						
Grant, Dam 38 O				.06	.02	T.		.03	.43	T.			.02	T.				.63	T.		.28	.72					.04	.03				2.26
Greensburg G			.26	.09	.04			.41	T.		.10						.72	.16	.01		2.74	.19				.05	.01	.03		.25		5.66
High Bridge, Lock No. 7 K			T.	.20	.07			.20	.40					.05				.86	.10		.80	1.84					.05	T				4.57
Irvington O			.15	T.				.18	T.		T.	T.	T.				.70	.44			1.45					T	.02	T.		.15		3.09
Junction City K			.18	.10	.10			.76	.30		.02	.02	.05				.72	.20			2.55	.18				T.	.11			.15		5.44
Lancaster K			.04	.11	.08			.10	.27	.01		T.	T.					.64	.09		1.13	1.94					.04					4.45
Leitchfield G			.30	.10				.40			T.	T.	.10				.65	.10			2.00	.10				T.	.05			.30		4.10
Lexington *** K			.08	.12	.01			.45	.03		.01	.01	.02				.73	.14			2.30	.09				.08	.04			.32		4.43
Lockport, Lock No. 2 K			T.	.21	T.			.25	.27			T.		.14				.82	.10		.90	1.50					.08	.14				4.41
LOUISVILLE*** O				.07	.03			.05	.24	T.		.06	.01	T.				.88	.05		.80	1.00					.01	T.		.28		3.48
Do. (Cherokee Park) O			.16	.02				.47	.01		.02	T.	T.				.72	.06			1.97	T.				.02	T.	T.		.23		3.73
Mumfordville G			.15	.05				*	.39		T.		T.				.83	.14		T.	*	1.40				T.	.08			.26		3.24
St. John S			.10	.20	.08			.12	.22			.04	.01	T.			.13	.62	.04		1.17	1.60	.01				.03			.22		4.89
Salvisa, Lock No 6 K			.23	.07				.15	T.		T.	T.					1.04	.16			2.26	.20								.26		4.49
Scott L			T	.30	.10			.25	.25					.07			T	1.00	.20		1.50	1.20										4.87
Shelbyville S			.02	.03	.01			.39	T		T.		.05				.40	.25	T.	T.	.90	.05				.02	.08	.12				2.76
Taylorsville S			.10	.04				.47	.02		.01	.01	.02				.85	.11			1.84	.06				.02	.03			.44		3.83
Tyrone, Lock No. 5 K			.19	.05	.04			.40	T.		T.	T.					1.10	.20			1.80	.15				.12	.02			.25		4.26
Williamstown L			.13	.08					.31			T.	T.				.93	.10			.80	.94				.05				.19		3.53
Woodbury, Lock No. 4 G			.01	.07	.01			.29	.02		.08	T.	.05				.84	.16			1.70	.16				.02	T.	T.		.10		4.24
			.20	.04				.20	.10			T.	.02	T.			.06	.74	.03		1.19	1.40					.03			.23		
Eastern Division																																
Ashland O				.02	.10			.05	.20			.06		.02			.83	.22			.45	1.85					.10	.06		.08		4.04
Beattyville K				.20	.12			.27	.24	T.		.03	T.	.04			.68	.22			.80	1.92			T.		.06	.04		T		4.62
Berea K			.20	.02	T.			.65	.04		.06	.02	.05				.58	.38			2.47	.44				.08	.03			.23		5.22
College Hill, Lock No. 11 K			.10	.03	.05			.16	.16	T.		T.	.03	.04			.05	.80	.10		1.60	1.70					.09	.05		.02		4.39
Cynthiana L				.05	.08			.10	.40	T.	T.	.04	T.	.03				1.12	.10		.90	1.29				.10				.03		4.24
Falmouth L				.16	.04			.10	.35	T.		.03	.02	T.				.91	.01		.71	1.13				T.	.05	T.		T		3.77
Farmers L					.19			.10	.26		T.	T.	T.				.90				1.05	1.47	T.									
Flemingsburg L								.15	.50	.25							.76				.50	.90				.10						3.16
Ford, Lock No. 10 K				.09	.05			.13	.22	T.	T.	T.	T.	.02			.60	.10			.81	1.53				.04	T.			T		2.59
Grayson O									.60						T.		1.39	.05			.55	.93				.30	.10			.18		4.11
Greenup, Dam 30 O					.10			.07	.38								.56				.37	1.64				.07	.04			T		3.23
Harlan K																																
Hazard K			T.	T.	.07	.03	T	.86	.04	.07	T	.26	T.	.32	T.	T.	.43	.11			.98	1.01	.08			T.	.15	T.			T.		4.41
Heidelberg, Lock No. 14 K			.11	.08				.23	T.					.02			.70	.16			.89	1.67					.32	.03				4.21
Hindman K																																
Jenkins K				.05	.08			.30	.08	.05		.14	.04	.05			.40	.30			.44	1.15	.03	.05			.08	.08		.60		3.92
Louisa K									.20								.46				.76	1.80						.36		.30		3.88
Maysville O				.01	.09			.02	.21			.04	T.	T.			.75	.01			.45	.84				.12	T.			T		2.44
Middlesboro C			.15	.16	.09			.50									.79	.25			.43	.77			.10					.54		3.74
Oneonta Dam 35 O			.04	.11	.03			.87			T.	T.	.06				.77	.22	.02		2.42	.12				.04	.07	.02		.04		5.23
Pikeville K				.18	T.			.05	.25			T.	T.	T.				.58	.03		.41	.55					.05					2.77
Prestonsburg B			.08		.06			.30	T.			T.	T.	T.				.82	.24		.86	.88	T.				.10			.22		2.56
Quicksand K				T.	.15			.22	.15	T.	T.				.09		.66	.28			1.00	1.50			T.	T.						4.05
Ravenna, Lock No. 12 K				.10	.10			.28	.23			T.	T.	T.			.76	.15			.88	2.20	T			T.				T		4.70
Richmond K			.12	.18				.73					.03				.03	.75	.13		2.00	.35					.03	.04	.06			4.45
Sergent K			.10					.30			.10	.40					.10	.30	.20		1.70	T.								.40		3.70
Valley View, Lock No. 9 K			.10	.12				.45	.01		.04		.09				.80	.47	T.		2.61	.12				.07	.15			.50		5.89
Vanceburg, Dam No. 32 O					.56			.17	.38		.25	T.	T.	.20				.79			.51	1.38										4.26
Wayland B																																
Whitesburg K								.10	.02			.04					.10	.05			.69	1.21	T.							.80		3.01
Williamsburg C			.09	.04	T.			.18	.12			T.	.10					.44	.06		.72	.68				T				T.		2.43
Willow, Lock No. 13 K			T.	T.				.24					.55				.74	T.			.97	1.35				.05		.06		.10		4.06

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

and melting snow of the 21st-22d caused a sharp rise in all stages were exceeded by several feet in the Barren and Green rivers of the State. The Ohio passed the flood stage in the Rivers, but were not reached in other tributary streams. Evansville district, and crested near flood at Cloverport. Flood

Daily Tempera[illegible] January, 1926.

Stations.		1	2	3	4	5	6	7	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																
Beaver Dam	Maximum	43	53	46	54	58	52	40	35	35	38	38	39	33	46	48	58	52	56	61	65	59	31	29	35	31	42	46	46	52	63	56	46.8
	Minimum	11	25	30	43	45	27	22	25	23	22	24	19	22	12	26	26	40	34	31	37	29	10	3	17	[illegible]	24	30	18	13	34	28	25.2
Blandville	Maximum	44	49	45	51	53	46	37	32	32	39	36	38	32	49	47	59	51	52	61	62	52	16	25	[illegible]	[illegible]	36	54	44	49	59	52	44.4
	Minimum	27	31	35	41	37	29	29	25	23	20	30	18	24	21	29	32	45	45	35	44	21	7	3	[illegible]	[illegible]	27	31	21	18	36	46	28.1
Calhoun	Maximum	40	45	45	52	59	48	40	37	30	38	38	38	31	48	46	57	53	58	60	63	61	30	25	34	38	38	45	38	15	33	39	26.0
	Minimum	20	27	35	42	40	29	24	25	20	25	23	20	24	16	25	24	43	41	31	26	30	7	1	[illegible]	25	23	31	18	15	33	39	[illegible]46.7
Earlington	Maximum	40	[illegible]	46	54	57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	29	30	37	45	27	29	24	24	22	26	31	21	24	16	22	22	44	43	32	47	28	9	0	19	25	23	30	18	18	31	40	27.0
Greenville	Maximum	43	54	50	55	58	55	45	37	32	39	40	41	36	49	48	58	58	58	60	65	60	36	28	36	36	39	51	50	53	62	60	48.2
	Minimum	19	29	35	44	48	26	24	24	21	20	26	21	24	14	26	23	39	42	32	42	30	8	3	16	25	23	28	19	14	33	39	26.4
Hopkinsville	Maximum	44	51	49	53	61	53	43	36	33	46	39	38	35	49	50	60	56	57	63	68	62	52	29	37	42	38	51	50	58	64	57	49.2
	Minimum	17	30	35	41	45	25	23	24	20	17	25	21	24	17	22	26	40	41	25	35	31	9	6	17	25	25	28	21	15	30	46	26.0
Marion	Maximum	43	51	51	60	52	55	47	38	30	36	38	39	31	41	46	58	52	52	52	64	55	34	21	34	38	40	40	48	38	59	61	45 0
	Minimum	26	33	36	41	46	27	25	24	23	23	30	18	20	26	29	38	44	41	35	43	33	5	0	15	23	28	29	29	18	35	36	42 27.9
Maryland	Maximum	43	52	49	52	53	52	45	41	35	41	42	42	32	46	53	58	55	58	61	63	61	[illegible]	21	42	40	37	52	52	50	60	59	[illegible]48.1
	Minimum	26	33	35	41	46	28	27	25	20	20	30	17	25	21	27	19	44	41	35	45	[illegible]	9	7	20	25	27	31	24	18	35	41	[illegible]28.6
Mayfield	Maximum	41	51	50	52	55	54	46	39	30	38	40	38	40	43	45	54	48	51	56	59	51	29	16	35	37	36	45	42	32	58	41	43.7
	Minimum	20	26	33	40	41	26	24	26	19	22	29	16	20	14	27	26	38	38	30	38	28	4	5	8	24	20	22	14	12	31	35	23.7
Owensboro	Maximum	45	52	50	51	54	49	45	37	33	40	42	41	34	49	51	59	56	59	61	64	60	38	27	35	42	38	52	52	51	60	60	47.5
	Minimum	25	33	35	42	45	29	26	26	22	21	30	18	25	21	25	28	43	43	35	44	28	7	1	15	22	25	31	22	18	35	47	28.0
Paducah (near)	Maximum	44	50	45	52	52	51	40	34	34	37	40	40	32	41	44	57	55	58	60	62	56	30	25	34	38	35	54	49	52	59	51	45.4
	Minimum	19	29	36	42	46	26	25	24	23	16	27	20	24	17	23	26	40	43	32	39	30	7	2	16	25	28	29	20	15	34	41	26.4
Princeton	Maximum	39	51	48	54	58	46	36	30	31	37	36	29	33	45	46	56	57	59	64	64	45	20	28	35	41	34	49	27	51	61	46	43.5
	Minimum	18	17	34	39	47	30	24	25	26	17	20	24	23	19	22	26	29	44	36	40	44	13	7	9	24	26	30	23	15	21	33	25.7
Rossellville§§	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Central Division.																																
Anchorage	Maximum	39	51	43	50	18	42	36	29	27	32	34	33	28	40	39	49	42	53	56	62	59	29	22	31	38	33	41	41	45	57	42	40.7
	Minimum	17	18	28	42	40	26	19	23	21	18	18	11	10	2	19	15	29	30	30	37	27	0	8	8	18	14	25	10	6	24	36	20.1
Bardstown	Maximum	40	52	46	53	58	51	48	33	29	34	36	36	30	40	45	56	48	58	60	65	57	29	26	36	38	35	43	43	52	62	45	44.3
	Minimum	18	22	32	44	40	29	21	24	23	23	22	18	18	5	22	17	37	40	28	42	26	12	0	16	23	17	30	15	10	30	37	24.5
Bowling Green	Maximum	41	51	46	53	58	51	41	33	31	39	38	36	36	46	49	59	50	57	61	67	57	36	30	35	43	38	51	48	53	63	57	46.9
	Minimum	19	28	33	42	43	29	23	25	23	20	20	22	21	12	22	22	38	44	35	37	35	14	7	18	26	25	28	20	13	27	39	26.2
Dix Dam	Maximum	40	52	44	52	57	51	36	32	30	31	35	35	29	40	42	51	48	56	57	59	50	34	26	29	38	35	41	41	48	62	56	[illegible]44.4
	Minimum	20	24	25	42	49	31	23	23	23	19	18	17	5	25	23	31	39	39	31	31	12	5	17	21	20	20	14	8	28	38	24.3
Eubank	Maximum	41	50	45	51	57	55	50	33	33	50	38	34	30	39	41	52	52	55	55	62	62	36	44	41	50	37	49	51	54	59	51	46.7
	Minimum	15	25	29	42	50	31	21	24	21	21	18	20	17	2	22	18	28	42	40	35	34	13	5	18	25	24	19	19	11	31	42	24.5
Frankfort	Maximum	41	50	47	52	56	54	41	35	30	33	37	37	29	37	39	49	47	54	56	60	56	38	28	31	36	35	49	48	52	60	53	43.0
	Minimum	16	20	27	41	45	32	23	24	24	25	20	17	18	2	24	13	28	40	41	32	32	13	4	17	24	19	27	18	9	26	36	23.6
Franklin	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Glasgow	Maximum	49	50	49	50	57	51	42	33	29	36	36	28	34	40	45	50	56	58	60	66	57	46	29	36	45	38	49	48	52	65	52	46.3
	Minimum	22	36	35	40	45	30	23	23	21	20	19	20	16	9	25	28	38	35	35	42	33	15	12	19	25	27	28	21	13	35	38	26.8
Greensburg	Maximum	42	52	45	53	56	52	42	32	29	36	36	35	32	41	45	56	46	60	60	66	59	36	29	36	42	36	48	47	52	62	54	45.7
	Minimum	12	23	27	42	48	30	19	24	22	20	17	22	14	2	22	14	30	42	31	39	34	16	6	19	23	26	30	19	10	24	37	23.5
Irvington	Maximum	43	52	45	52	58	45	37	32	31	35	37	35	36	43	43	52	54	56	57	58	53	29	22	34	37	35	45	45	47	58	51	43.6
	Minimum	25	22	36	44	41	31	24	23	24	26	26	18	18	12	29	26	39	40	34	43	29	8	2	15	24	21	29	14	12	34	36	26.2
Junction City	Maximum	41	55	44	52	58	53	40	32	30	34	35	36	39	43	52	44	58	58	66	55	40	35	34	39	34	45	45	49	42	45	44 5
	Minimum	13	20	26	42	49	21	22	23	22	22	13	19	13	6	28	10	30	39	42	35	33	15	5	18	25	19	20	14	7	27	37	22.8
Lebanon	Maximum	40	51	47	52	57	52	46	34	28	37	37	37	30	42	46	55	49	58	59	64	59	32	27	37	39	37	46	45	49	62	52	45.2
	Minimum	21	28	34	42	45	28	24	24	21	22	22	22	21	13	29	23	39	42	35	40	32	11	5	18	25	24	30	17	13	33	37	28.4
Lexington	Maximum	38	48	45	53	53	40	32	28	25	29	33	25	26	35	36	50	46	54	54	59	50	19	21	28	33	32	41	39	46	58	44	39.3
	Minimum	24	31	36	45	36	36	24	21	22	20	20	13	13	10	26	27	38	39	39	42	19	7	5	19	22	24	27	7	7	36	35	24.8
Louisville	Maximum	40	51	46	54	55	42	36	27	28	33	36	27	30	41	41	53	43	54	58	59	51	22	20	29	36	31	44	36	47	58	41	41.1
	Minimum	27	33	33	46	35	31	27	22	22	28	27	16	19	13	30	26	40	40	38	46	22	8	3	20	30	33	34	38	42	43	55	42 3
Louisville (Cemetery Park)	Maximum	40	49	48	50	55	53	41	34	28	33	38	26	30	40	40	49	52	55	58	57	50	32	27	37	39	37	46	45	49	62	52	45.2
	Minimum	22	34	31	42	47	32	25	23	22	26	25	16	18	11	28	19	34	40	38	42	29	11	3	14	22	18	27	10	9	29	36	24.9
St. John	Maximum	40	53	43	51	57	53	38	32	31	34	32	36	38	40	47	52	54	56	63	60	54	24	27	38	38	31	44	42	47	55	47	44.1
	Minimum	18	23	32	41	47	28	22	20	20	22	25	18	14	7	22	23	35	36	36	40	30	10	1	12	22	25	26	9	12	37	37	39.4
Scott	Maximum	39	49	46	50	53	47	38	27	27	29	34	34	26	36	38	47	42	50	54	56	50	28	26	33	38	35	37	37	38	48	36	42.2
	Minimum	22	23	27	41	46	31	25	21	21	23	21	10	8	6	29	18	35	38	34	45	28	6	3	12	12	13	24	5	5	32	36	[illegible]32.7
Shelbyville	Maximum	[illegible]	40	51	50	56	43	36	35	31	35	36	28	31	38	41	49	44	54	56	61	52	34	25	33	38	39	42	45	44	39	44	[illegible]42.7
	Minimum	[illegible]	19	22	31	28	23	21	21	20	18	12	12	4	21	18	35	38	38	37	28	8	4	10	21	16	24	11	6	30	35	[illegible]21.4
Taylorsville	Maximum	40	50	43	51	56	53	40	34	32	33	36	36	30	38	40	47	43	55	55	58	55	30	22	31	33	33	42	43	43	58	50	42.2
	Minimum	14	17	26	39	45	30	21	21	19	24	28	18	10	2	17	12	27	40	38	31	30	11	2	10	23	16	27	13	9	25	25	21.5
Williamstown	Maximum	38	49	49	50	53	50	39	29	26	30	34	34	26	35	39	49	51	49	53	56	55	36	18	32	33	33	35	38	38	55	45	40 0
	Minimum	22	24	29	42	47	29	23	26	20	22	21	11	9	3	21	17	34	39	38	41	28	5	4	11	15	17	22	5	0	29	35	21.8
Eastern Division.																																
Ashland	Maximum	46	51	51	50	60	60	40	34	30	32	37	34	30	37	40	50	50	51	51	63	65	39	27	33	35	35	36	42	41	55	55	43.8
	Minimum	18	23	22	37	32	35	26	23	26	26	18	21	9	10	26	15	29	36	41	28	37	14	11	14	20	19	32	13	5	25	33	23.2
Beattyville	Maximum	45	56	46	48	62	60	39	33	32	31	37	36	30	42	44	55	41	53	56	61	40	40	32	43	40	38	47	51	55	61	46	46.2
	Minimum	10	19	21	37	38	34	19	25	24	21	3	22	9	4	20	11	37	34	39	25	36	18	6	14	26	18	31	20	6	21	35	21.5
Berea	Maximum	42	51	47	51	60	53	37	31	31	39	35	34	28	38	38	52	47	58	56	63	56	33	27	31	37	34	43	40	46	58	49	43.2
	Minimum	23	31	27	46	52	33	24	24	22	23	22	18	15	4	29	16	39	43	41	43	33	14	5	20	23	23	30	16	7	35	42	26.5
Farmers	Maximum	46	49	46	58	63	55	39	33	30	32	36	35	30	43	46	56	47	[illegible]	55	65	62	49	26	31	37	37	[illegible]	41	51	63	58	[illegible]45.4
	Minimum	6	31	16	38	39	30	15	20	21	21	6	15	1	-11	15	4	24	[illegible]	34	23	30	10	5	7	19	12	[illegible]	32	-1	18	38	[illegible]17.7
Harlan	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hindman	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Maysville	Maximum	36	53	44	48	57	52	39	33	32	32	35	35	30	37	39	49	45	53	54	60	60	48	40	23	36	35	34	42	40	57	50	43.3
	Minimum	26	20	20	38	46	34	28	24	24	24	15	16	2	-1	31	8	25	29	36	31	30	11	1	8	17	15	28	9	0	25	31	21.4
Middlesboro	Maximum	45	51	45	51	58	56	42	38	34	36	36	33	35	43	49	48	56	59	55	54	21	36	43	43	45	44	49	61	45	61	46	46.9
	Minimum	8	21	26	37	41	34	19	27	23	21	6	26	9	4	16	11	29	41	38	24	39	18	10	11	26	17	30	25	10	23	41	22.9
Mount Sterling	Maximum	44	51	46	52	57	47	34	31	30	34	35	32	30	31	40	51	50	52	52	62	49	30	28	31	34	35	40	40	42	57	44	41.6
	Minimum	18	25	30	42	45	29	24	22	21	22	14	6	5	-1	23	13	42	39	38	35	36	10	11	16	21	18	29	14	4	30	37	23.1
Quicksand	Maximum	40	50	46	51	57	52	38	33	33	38	36	30	42	46	55	59	54	58	65	66	61	40	31	32	40	35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]43.2
	Minimum	15	23	21	33	37	38	21	28	25	24	9	25	6	8	22	11	21	27	40	28	31	22	11	13	27	22	24	10	28	24	39	[illegible]22.5
Richmond	Maximum	43	52	46	54	58	55	42	34	33	36	36	36	31	41	44	51	49	52	56	60	59	41	36	39	45	44	46	46	52	63	53	46.1
	Minimum	23	29	29	43	42	32	23	23	23	23	18	16	9	26	21	39	41	41	41	51	57	65	48	44	36	35	41	37	44	51	44	32.4
Sergent	Maximum	47	54	46	55	58	59	42	36	34	38	40	36	32	39	48	55	52	60	60	69	59	41	36	38	43	36	48	49	50	56	65	48.7
	Minimum	18	25	30	42	45	29	24	22	21	22	14	6	5	-1	23	13	42	39	38	35	36	10	11	16	21	18	29	14	4	30	37	23.1
Williamsburg	Maximum	45	53	46	51	57	52	38	33	33	38	36	30	42	46	55	59	54	58	65	66	61	40	31	32	40	35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]43.2
	Minimum	13	23	26	44	46	35	20	24	19	23	10	25	13	8	30	13	33	40	39	28	39	18	10	15	29	21	32	26	12	27	36	25.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * etc. indicate respectively 1, 2 3 etc., days missing from record.

W. B. O. Louisville 2-2 26-960

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., FEBRUARY, 1926. No. 2

GENERAL SUMMARY.

Several warm spells of two or three days duration, alternating with short periods of subnormal temperature, caused frequent and quite sharp variations in temperature conditions. As a result of the changeable weather, deep thawing followed by lifting freezes caused some damage to grains and clovers. During the first two weeks, soil drainage improved because of the light precipitation; but heavy rains after the middle of the month, followed later by repeated showers, kept the soil saturated and favored lifting by the recurring freezes. Except where sown on heavy clays, lacking sufficient drainage, early wheat escaped serious injury; but late wheat showed marked and continual deterioration. Slight growth of grasses and grains occurred late in the month, but a sharp cold wave near the end again rendered all vegetation dormant. The warmth was not sufficiently prolonged at any time to affect fruit buds, which appeared to be in excellent condition. The comparatively dry weather of the first half enabled farmers to commence spring plowing, but rain soon stopped the work and prevented its resumption. Frequent precipitation and generally inclement weather in the last decade also prevented the usual progress in sowing tobacco plantbeds, therefore only a beginning could be made with this work. Other outdoor activities were deferred, awaiting more favorable weather. The many showers, and predominance of moderate temperature, were favorable for the completion of stripping and marketing tobacco. Movement to market was handicapped by bad roads. Many improved roads became so soft that they had to be protected against heavy hauling. Livestock fared well, for the brief cold waves were too short to occasion any loss of consequence. For the most part snow occurred only in flurries or squalls, offering little protection to wheat.

TEMPERATURE.

The average temperature for the State, based on reports from 43 stations, was 41.1°, which is 5.1° above normal. Departures were 10° to 15° above normal in the frequent short, warm periods, and 5° to 10° below normal on the cold days. Maxima on the warm days rose above 60° at many stations, while minima on the colder mornings registered usually from 15° to 20°. The sharp temperature changes rendered the weather exceptionally disagreeable. The highest for the State was 70° at Hindman on the 14th and Earlington on the 21st, and the lowest 4° at Williamstown on the 11th.

PRECIPITATION.

The average precipitation for the State, 78 stations reporting, was 3.14 inches, which is 0.39 inch less than normal. In the southwestern counties amounts ranged between 1.0 and 2.0 inches; but they increased with marked irregularity toward the eastern and northern districts, where they varied between 3.0 and 5.0 inches. In a broad east-west belt through the center of the State, they ranged from 2.0 to 3.0 inches. On the uplands, of the northern, eastern, and west-central counties, the total snowfall ranged between 1.0 and 3.0 inches at most stations; while near the lower Ohio and in the southern counties the amount was slight. Precipitation varying from light to moderate, and ending at times with snow squalls, occurred in the periods 1st-3d, 9-15th, 18-19th, and 22d-27th. Rains were heavy locally on the 13th and 14th. Thunderstorms were reported on the 13th, 14th, 18th, and 25th. Hail accompanied the storm of the 13th near Louisville and St. John. Precipitation extremes for the State were 5.87 inches at Oneonta and 1.27 inches at Hopkinsville.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement	Av. hourly velocity	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.00	30.37	16	29.26	25	7824	11.3	52	sw.	[illegible]
Cincinnati ..... Ohio	29.98	30.42	16	29.17	25	6333	9.5	47	sw.	[illegible]
Evansville ..... Ind.	30.00	30.39	16	29.21	25	8057	13.5	56	sw.	[illegible]
Lexington ..... Ky.	29.98	30.42	16	29.31	25	8966	13.4	58	sw.	[illegible]
Louisville ..... Ky.	30.00	30.44	16	29.46	25	8892	13.2	58	sw.	[illegible]

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	77	61	61	166.5	303.5	55	16	7
Cincinnati ..... Ohio.	86	69	75	97.5	300.9	32	1	13
Evansville ..... Ind.	78	64	69	126.2	302.2	42	5	9
Lexington ..... Ky.	86	78	.....	85.0	302.2	28	2	14
Louisville ..... Ky.	75	65	68	132.4	302.2	44	5	8

COMPARATIVE DATA FOR FEBRUARY.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with 01 in. or more rain.
1889	34.1	− 1.9	74	3	1.91	−1.62	[illegible]
1890	45.6	+ 9.6	86	16	7.98	+4.45	[illegible]
1891	42.2	+ 6.2	76	0	4.72	+1.19	[illegible]
1892	42.2	+ 6.2	70	11	2.92	−0.61	[illegible]
1893	37.7	+ 1.7	70	3	4.40	+0.87	[illegible]
1894	34.6	− 1.4	74	2	4.66	+1.13	[illegible]
1895	25.9	−10.1	80	−18	0.66	−2.87	5
1896	37.4	+ 1.4	81	−12	3.06	−0.47	9
1897	39.8	+ 3.8	76	8	5.75	+2.22	11
1898	37.4	+ 1.4	77	− 3	1.61	−1.92	6
1899	26.2	−9.8	71	−33	3.97	+0.44	11
1900	32.5	− 3.5	76	− 9	4.68	+1.15	12
1901	32.4	− 3.6	71	1	1.27	−2.26	5
1902	27.9	− 8.1	69	− 3	1.30	−2.23	7
1903	35.8	+ 1.5	75	−16	7.28	+3.75	7
1904	29.2	− 5.8	75	− 2	2.32	−1.21	7
1905	27.9	− 8.1	67	−15	2.48	−1.69	7
1906	34.7	− 1.3	75	−12	1.81	−1.72	5
1907	35.7	− 0.3	73	−16	3.06	−0.47	9
1908	35.6	− 0.4	70	− 2	5.56	+2.03	13
1909	42.4	+ 6.4	75	− 8	5.17	+1.64	11
1910	32.9	− 3.1	66	−12	4.70	+1.17	10
1911	42.0	+ 6.0	80	11	3.25	−0.28	9
1912	29.7	− 6.3	68	−14	3.48	−0.45	7
1913	34.8	− 1.2	77	− 2	2.94	−0.59	7
1914	32.2	− 3.8	69	− 2	4.13	+0.60	11
1915	41.9	+ 5.9	75	13	1.54	−1.79	8
1916	35.0	− 1.0	72	− 4	2.99	−0.54	9
1917	34.8	− 1.2	80	− 9	3.51	−0.02	8
1918	39.3	+ 3.3	83	− 8	2.04	−1.49	7
1919	38.6	+ 2.6	69	12	1.79	−1.74	9
1920	35.7	− 0.3	71	0	2.27	−1.26	9
1921	41.3	+ 5.3	77	11	3.20	−0.33	10
1922	41.3	+ 5.3	76	4	3.58	+0.05	10
1923	34.6	− 1.4	74	− 4	4.67	+1.14	19
1924	35.0	− 0.6	71	9	2.55	−0.97	9
1925	44.0	+ 8.0	76	8	3.91	+0.28	8
1926	41.1	+ 5.1	70	4	3.14	−0.39	10

Climatological Data for February, 1926.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days: Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	22	42.3 + 6.1	65	21	17	11	36	2.05	−1.13	0.60	1.5	4	9	11	8	w.	Mrs. Lena F. Taylor.
Beardsville	Ballard	445	14	43.5 + 6.7	62	7[a]	24	11	32	1.74	−2.79	0.89	0.1	6	7	10	11	sw.	E. W. Horr.
Brandville	McLean	437	22	42.8 + 5.1	65	21	20	11	33	2.14	−1.12	0.71	T.	11	5	12	11	nw.	W. A. Taylor.
Calhoun	McLean	420	36	41.0 + 7.7	70	21	17	11	39	2.88	−0.72	0.95	4.0	8	12	1	15	nw.	Brick Southworth.
Earlington	Hopkins	519	9	43.7 + 4.4	68	22	16	11	37	3.42	+0.08	1.44	.....	10	11	10	7	w.	C. R. Lovell.
Greenville	Muhlenburg	524	30	43.6 + 5.2	68	21	17	11	40	1.27	−2.42	0.49	T.	7	9	6	13	se.	W. E. Graves.
Hopkinsville	Christian	571	28	42.7 + 5.7	62	22	24	11	33	2.15	−0.89	0.88	T.	4	6	7	15	nw.	B. C. Paris.
Marion	Crittenden	364	17	45.0 + 7.0	65	19	24	16	40	1.85	−1.79	1.25	.....	5	9	11	8	s.	Mrs. C. R. Sowell.
Mayfield	Graves	479	29	40.5 + 5.8	63	21	20	11	33	1.79	−1.46	0.58	T.	10	6	7	15	nw	Henry S. Berry.
Owensboro	Daviess	479	29	40.5 + 5.8	63	21	20	11	32	2.45	.....	1.70	0.5	7	12	5	11	nw.	J. W. Lilley
Paducah near S	McCracken	516	9	44.8	63	7[b]	23	11	32	1.88	−1.73	1.05	1.5	5	.....	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	37	.....	.....	.....	.....	.....	.....	2.16	−2.03	0.50	2.0	11	9	5	14	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	19	42.2 + 5.8	64	21	22	16	35	2.13	−0.59	0.62	T.	7	.....	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2	McLean	384	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Wm. Shelton.
Russellville	Logan	590	15	41.1 + 3.7	66	21	17	11	35	1.77	−1.90	0.43	T.	8	9	1	18	s.	.....	
Central Division.																				
Anchorage	Jefferson	700	25	38.2 + 5.2	63	21	15	11	34	1.79	−1.05	0.83	1.5	9	9	7	12	w.	C. E. Barret.
Bardstown	Nelson	637	29	40.4 + 4.7	64	18[f]	9	11	38	1.28	−2.39	0.40	0.8	12	6	1	21	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	43.3 + 5.7	67	24	16	11	40	2.90	−1.77	0.75	T.	11	9	9	10	w	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	1	.....	.....	.....	.....	.....	.....	3.23	.....	0.94	.....	11	.....	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6	Edmonson	410	9	.....	.....	.....	.....	.....	.....	2.52	−1.68	0.56	T.	8	.....	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	35	.....	.....	.....	.....	.....	.....	3.69	−0.46	1.14	T.	11	.....	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	12	.....	.....	.....	.....	.....	.....	4.44	+1.56	1.10	.....	13	.....	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	489	0	.....	.....	.....	.....	.....	.....	4.04	+1.41	2.42	0.8	12	.....	.....	.....	.....	.....	W. A. Cockerill.
Coral Spring, Dam 36	Campbell	770	2	*40.4	63[a]	21	10[a]	11	37[a]	5.14	.....	1.35	.....	12	.....	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	1177	32	40.8 − 6.0	67	21	6	11	31	2.11	.....	0.52	0.5	11	7[b]	8[b]	11[b]	s.	Geo. Henry Ellis.
Eubank	Pulaski	560	34	40.9 + 5.0	63	21[b]	12	11	31	3.15	−0.71	0.85	1.0	8	10	6	12	s.	Mrs. Katie Payne.
Frankfort	Franklin	691	31	†43.8 + 4.8	66[b]	21	21[b]	16	33[b]	3.15	−0.41	1.05	0.2	12	6	3	19	w.	Sidney Wood.
Franklin	Simpson	449	15	.....	.....	.....	.....	.....	.....	3.22	+0.16	0.68	.....	13	.....	.....	.....	.....	.....	Jos. H. Blewett.
Gest, Lock 3	Henry	780	5	43.0	65	18[f]	12	11	37	2.84	.....	1.60	T.	8	18	4	6	s.	Albert Purvis.
Glasgow	Barren	506	1	.....	.....	.....	.....	.....	.....	5.52	.....	2.02	.....	14	.....	.....	.....	.....	.....	Dr. Fidella Edwards.
Grant, Dam 38	Boone	586	33	41.4 + 6.5	66	24	15	11	37	3.06	−0.96	0.92	1.5	13	5	2	21	e.	W. L. Patchell.
Greensburg	Green	550	24	.....	.....	.....	.....	.....	.....	2.53	−0.72	0.84	0.5	11	.....	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	646	28	40.8 + 6.5	63	21	20	11	30	3.36	+0.03	0.80	T.	12	5	6	17	sw.	Miss Lulu Wood.
Irvington	Breckenridge	985	32	40.5 + 5.9	61	24	10	11	39	3.66	−0.08	1.30	2.8	14	8	19	1	s.	W. J. Piggott.
Junction City	Boyle	1032	0	.....	.....	.....	.....	.....	.....	2.98	.....	0.85	T.	12	.....	.....	.....	.....	.....	William E. Grubbs.
Lancaster	Garrard	635	30	41.5 + 6.3	64	21	20	11	33	2.30	−1.18	0.70	T.	9	4	15	9	nw.	L. J. Vanlook.
Leitchfield	Grayson	989	42	37.8 + 1.9	61	21	10	11	34	2.27	−0.96	0.57	2.3	14	4	10	14	sw.	H. H. Willis.
Lexington	Fayette	523	15	.....	.....	.....	.....	.....	.....	2.67	−0.58	0.90	0.5	9	.....	.....	.....	.....	.....	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	476	16	.....	.....	.....	.....	.....	.....	3.21	+0.59	0.70	0.2	12	.....	.....	.....	.....	.....	Horace Cantey.
Lockport, Lock 2	Henry	525	53	39.1 + 1.9	64	21	19	11	31	2.75	−1.06	0.95	0.1	11	3	9	16	w.	Andrew J. Keenan.
Louisville	Jefferson	534	16	40.6 + 4.9	63	21[b]	19	11	28	2.63	−0.19	0.88	0.2	13	7	4	17	n.	U. S. Weather Bureau.
Do, Cherokee Park	Do	690	1	.....	.....	.....	.....	.....	.....	2.64	.....	0.78	0.2	10	.....	.....	.....	.....	.....	Wm. J. Hunt.
Maplesville	Bath	777	30	*40.9 + 6.4	60	13[f]	24[b]	16[f]	34[b]	3.82	+0.16	1.98	1.0	8	14	10	4	.....	C. R. Richardson.
St. John	Hardin	490	12	.....	.....	.....	.....	.....	.....	2.43	−0.78	0.90	.....	6	.....	.....	.....	.....	.....	Sisters of Loretto
Salvisa, Lock 6	Mercer	900	28	36.2 + 5.5	61	21	6	11	31	5.04	+2.29	1.72	7.0	14	5	9	14	nw.	Father M. Searry.
Scott	Kenton	825	37	38.9 + 5.1	63	21	10	11	33	4.69	+0.89	1.21	5.5	13	7	3	18	n.	E. D. Wilson.
Shelbyville	Shelby	489	24	*40.6 + 5.2	62[a]	21	13[a]	11	32[a]	2.50	−0.96	0.52	1.5	13	9	4	15	nw.	Mrs. W. T. Miller.
Taylorsville	Spencer	626	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. D. Bourne.
Tyrone, Lock 5	Anderson	943	23	37.3 + 5.3	60	21	4	11	31	4.45	+1.72	1.13	3.5	15	3	12	13	nw.	H. K. Vaughn.
Williamstown	Grant	533	9	.....	.....	.....	.....	.....	.....	2.54	−1.02	0.56	1.0	8	.....	.....	.....	.....	.....	Mrs. E. S. Bumlong.
Woodbury, Lock 4	Butler																			J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	9	40.2 + 3.4	67	21	11	11	38	4.67	+1.01	1.14	0.5	14	4	3	21	nw	Curtis Purvis.
Beattyville	Lee	650	22	41.2 + 5.5	66	24	9	12	40	3.40	−0.47	0.65	1.2	16	4	5	19	n.	Mrs. Sabina E. Hall.
Berea	Madison	1070	24	40.3 + 4.0	65	24	8	11	38	2.80	−0.22	0.53	3.1	13	3	9	16	nw.	Frank Montgomery.
College Hill, Lock 11	Madison	601	16	.....	.....	.....	.....	.....	.....	3.56	+0.84	0.85	1.2	13	.....	.....	.....	.....	.....	Reilly Walden.
Cynthiana	Harrison	684	8	.....	.....	.....	.....	.....	.....	3.72	.....	1.20	1.0	13	.....	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	37	.....	.....	.....	.....	.....	.....	4.48	+1.12	1.01	T.	12	4	6	18	se.	J. V. Oldham.
Farmers	Rowan	668	18	39.4 + 3.8	68	21	7	11	48	3.15	+0.15	1.00	T.	4	7	5	16	e.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	841	1	.....	.....	.....	.....	.....	.....	3.94	.....	0.85	T.	8	.....	.....	.....	.....	.....	C. A. Glascock.
Head Lock 30	Clark	593	10	.....	.....	.....	.....	.....	.....	2.54	−0.27	0.91	0.5	9	.....	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	1	.....	.....	.....	.....	.....	.....	2.77	.....	0.59	2.5	16	.....	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Percy Humphrey.
Harlan	Harlan	1197	1	.....	.....	.....	12	28	.....	3.22	.....	1.60	3.0	6	10	3	15	.....	.....	Mrs. Agnes Farley.
Hazard	Perry	869	2	.....	.....	.....	.....	.....	.....	4.86	.....	1.01	6.9	12	.....	.....	.....	.....	.....	Chas. A. Ibrig.
Heidelberg, Lock 14	Lee	664	9	.....	.....	.....	.....	.....	.....	2.61	.....	0.67	1.0	14	.....	.....	.....	.....	.....	S. C. Cole.
Packard	Knott	1032	1	40.8	70	14	9	12	38	3.91	.....	0.85	10.0	9	11	4	13	nw.	Miss Lake Napier.
Pinehurst	Letcher	1566	1	.....	.....	.....	.....	.....	.....	4.81	.....	0.90	.....	15	.....	.....	.....	.....	.....	R. R. Davidson.
Jenkins	Letcher	584	22	.....	.....	.....	.....	.....	.....	3.32	−0.01	0.72	.....	9	.....	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	521	29	39.5 + 6.8	64	21	10	11	38	3.56	+0.23	0.95	2.0	15	3	9	16	sw.	Perry E. Bennett.
Maysville	Mason	511	30	41.4	2.5	62	14[f]	12	12	36	3.34	−1.08	0.90	1.1	8	22	4	2	.....	Matthew Woodson.
Mehlenbacher	Bell	1128	30	41.4	2.5	62	14[f]	12	12	36	3.34	−1.08	0.90	1.1	8	22	4	2	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	36	37.8 + 4.4	62	21	7	11	34	1.97	−2.02	0.48	2.0	8	9	5	14	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	4	.....	.....	.....	.....	.....	.....	5.87	.....	1.18	3.0	10	.....	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	656	20	.....	.....	.....	.....	.....	.....	2.72	−0.62	0.72	T.	8	.....	.....	.....	.....	.....	Robert Reppes.
Prestonsburg	Floyd	949	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breath it	732	1	*42.0	67[a]	24	12[a]	12	41[a]	3.32	.....	0.85	3.2	11	.....	.....	.....	.....	.....	R. W. Jones.
Greenup, Lock 12	Estill	631	8	.....	.....	.....	.....	.....	.....	2.60	.....	0.65	.....	8	.....	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	35	40.7 + 5.4	62	6[a]	9	11	37	2.61	−0.87	0.78	0.1	11	8	4	16	.....	J. W. Crooke.
Sassafras	Letcher	1235	3	*41.4	66[a]	21	11[a]	12	38[a]	3.73	.....	1.60	3.0	8	14	5	9	sw.	Mary Bockwell.
Valley View, Lock 9	Madison	541	13	.....	.....	.....	.....	.....	.....	3.76	+0.47	1.00	.....	11	.....	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	11	.....	.....	.....	.....	.....	.....	4.80	+1.00	1.62	.....	13	.....	.....	.....	.....	.....	Samuel Johnson.
Wayland	Floyd	760	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitesburg	Letcher	1112	1	.....	.....	.....	.....	.....	.....	4.51	.....	1.00	3.0	11	.....	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	929	29	43.4 + 4.6	69	21	15	11	39	3.15	−0.45	0.69	0.3	12	18	3	7	.....	.....	Lawrence R. Ubl.
Wilder, Lock 15	Lee	611	7	.....	.....	.....	.....	.....	.....	2.72	.....	0.54	.....	10	.....	.....	.....	.....	.....	Shelby Angel.
State averages and extremes				41.1		70	14[f]	4	11	48	3.11		2.42	1.4	10	8	7	13	nw	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. The Counties through which the Green River flows are Ohio, Butler, Edmonson, Hart, Barren, Green, Taylor, Adair, Russell, Wayne, Pulaski, Clinton, Cumberland, Metcalfe, Monroe, Warren, Hart, Grayson, Ohio, Butler, Muhlenburg, Ohio, Daviess, Henderson, Webster, Union, Henderson, Ohio, Hancock, Breckenridge, Meade, Hardin, Larue, Taylor, Green

Daily Precipitation for February, 1926

Stations		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28				
Western Division																															
Beaver Dam	G			.40																											
Beverly	M		.29													.06				.70						.55					
Calhoun	G			.30						T.			.13						.24	.10			.15	.80	.70	.10					
Carrollton	G	.04		.32					.02	T		T.	.07	.40	T				.16	.60			.08	.24		.54	.04	.02			
Centerville	G	.06		.26						T.	T		.03	.68					.28	.10			.18			.08					
Hopkinsville	C	.03		.24								T	.02	1.41					.19	.47						.08	.01	.02			
Marion	O			T								T		.08					.08	.32						.06					
Mayfield	M			.45						T.		T.	T.	.88					.09	T				.25		.40	T	T			
Owensboro	O			.28										*					.15							.15					
Paducah (near *)	O			.28						T.			.07	.36	.02				.14	.05			.10			.58	T				
Paducah	O	T.		.20									.05	.10					.10	.10				.15		1.70					
Princeton	G			.28							T			.16						.22				.10		.15	T				
Ramsey, Lock No. 2	G	.18		.28						T		.04	.03	.43		T.		.13	.4				.06	.12	.22	T	.01					
Russellville	G	.30			.36									.23	.12					.26	T.			.20		.62		F				
														.17					.01	.24				.10		.45		.03			
Central Division																															
Anchorage	O	.05		.23						.05	T.		.03	.13	.85				.08												
Bardstown	S			.05						.04	.03		.02	.26	.05				.02	.22			.06	.40		.08					
Bowling Green	G	.16	.05	.36						T	.10	T.	.05	.55						.16	.50			.38		.65		.05			
Bowling Green, No. 2	G	.14		.12	.26									.44	.17					.78	.17			.28		.18		.11			
Brownsville, Lock No. 6	G	.15		.31										.56	.38					.92	T.			.27		.85		T	T		
Burnside	C	.30		.52						.03	T									.43	.10			.32		.48		.05			
Carrollton (Lock No. 1)	K	.52		.25						.09	.06	T.	T.	1.44	.24									.35		.66	.02	.06	T.		
Chesapeake	O	.12		.22							.32		.45	.92	.42				.04	1.10				.35		.66	.02	.06	T.		
Cold Spring, Dam 26	K	.86	T.	.30	.03		T.	T.	.09	.02	T.		.15	1.55	T				T.	.21				.10		.40	.02	.01	T		
Dix Dam, Burgin	K	.28		.41	T.			T.	.01	T			.05	.50	.02				.03	.76	T		T	.16		.55	T	.05	T		
Eubank	C	.25												.05					.08	.60	T			.16		.50		.01	T.		
Frankfort	K	.40		.23						.06	.10	.02	T.	.65	1.05	.06	T		T	.16	T			.36		.60	T	.05	T.		
Franklin	G													1.10	.05																
Gest, Lock No. 3	K	.30		.24						.20	.14	.02		.07	.68	.08			T	.58				.28		.56	.04	.02			
Glasgow	G	.01								.01	1.00	T.			.86					.60				.40	T.	.01	.01				
Grant, Dam 38	O	.82	T.	.31	.02			T		.11	.44	.07	T.	.12	.02	.04	T.		.05	.42				.26		.82	T	.02	T		
Greensburg	G	.18		.61						.43	T	.01	.03		.02	.01			.03	.42				.32		.42	.05	.03			
High Bridge, Lock No. 7	K	.37		.32	.01					.01	.11	.02		.03	.81	.03			.03	.28	T.			.18		.28	T.	.02	T.		
Irvington	O	.08		.23						.08	T.		.03	.49	.80	T.			.03	.24				.18		.28	T.	.02	T.		
Junction City	K	.07		.50	.01					.10	.10	.01	.11	1.30	.40	.03		T.	.29	.52			.20	.35		.52	T.	.06			
Lancaster	K	.23		.42							.03	.03			.85	.02				.35			.04			.65		.08			
Litchfield	G	.05		.35						.10	T.		T.	T.	.70	T.				.53				.36		.52	.03	.03	.02		
Lockport, Lock No. 5	K	.03	.06	.20	T.					.18	T.	T.	.10	.15	.47	T.			.12	.05			.10	.25		.45		.10			
Lockport, Lock No. 2	K	*		.42						T.	.08	T		.03	.90	.05				.32			.51	.65	.05	.24	T	.04			
Louisville	O	T.	.06	.16			T			.15	.12	T		.04	.70	.07	T.		.01	.58				.27		.90	T				
Do (Cherokee Park)	O	.07		.23						.15	T	T.	.01	.14	.59	T.			.04	.01			.29	.12		.56		.02	T.		
Munfordville	G	.18		.37						.12	T.	T.	.03	*	.55	.07			*	.83			*	.23		.47		.03			
Mt. Eddy	S			.10							.03	.61			.78					.30	.06			.20		.55					
Salvisa, Lock No 6	K	.45		.38						T.	T			.40	1.98				.02	.40			.03			.37		.12			
Scott	K	.40		.26				T.		.86	T			.96	T				.16	.26				.40			T				
Shelbyville	S			.49						.86	.04	T.	.01	1.72	.01				.11	.60			.06	.16		.67	T	.20			
Taylorsville	S	.06		.40						.18	.15	T	.10	.22	1.62	.03			.23	1.21			.14	.24		.44		.61			
Tyrone, Lock No. 5	K	T.	.16							.16	.05	T	.12	.30	.52	.02			.13	.25			.16	.71				.02			
Williamstown	L	.37		.26	.02				.03	.08	.01	T	.01	.45	T.				T.	T.			.22	T.		T.	.03	T			
Woodbury, Lock No. 4	G	.25		.36	.04					.25	.05		.13	.03	.87	.06			.06	1.13			.07	.32		.76		.07			
											T.	T.			.56	.25				.49	T			.10		.58		T			
Eastern Division																															
Ashland	O	1.14		.38	.29					.04	.17	.02		.08	.65	.12				.50	T.			.26		.25		.13	.03		
Beattyville	K	.66		.52	.04					.04	.10	.04		.62	.62	.24			.08	.45	.04			.02		.45		.06	.02		
Berea	K	.15		.51						.14	.68	T.	T.	.83	.25	.01			.07	.31			.06	.20		.42	T	.12			
Coalgee Hill, Lock No. 11	K	.60	.05	.75						T	.08	.04		.10	.85	.05			.05	.30				.30		.50	T	.03			
Cynthiana	L	.62		.12	T.					.03	.42	T.	.04		1.30	.04			.01	.10				.28		.52	.10	.11			
Falmouth	L	.81		.23	T					.13	.20	.03	T	.15	.80	.04			T.	1.01				.77		.58	T	.03			
Farmers	L	1.00			.50	T.				T.	T.	T.	T.	T.	.95								T.	T.	.70						
Flemingsburg	L	.85	.55								T	.55		.15	.14	.70															
Ford, Lock No. 10	K	.44		.40	T.	T.				T.	.10	T	T.		.91	.03	T.		T.	.22	T.			.17	T.	.16		.11	T		
Grayson	O	.59	.31		.11						.2	.05	.07	.04	.83	.05				.36	.04			.02	.17	.09	.07		.04		
Greenup, Dam 30	O																														
Harlan	K	.02		1.00	T					T.	.05		T.		1.00	T		T.	T	1.00											
Hazard	K	.51	T	.75	.17	T				.06	.45			.06	1.01	T				.23				.33	T.	.23		.15			
Heidelberg, Lock No. 14	K			.47	.05				T.	.10	.13	.08		.01	.67	.05			.04	.34	.04					.59		.06	.07		
Henderson	K			.55						.09	*				1.30				.25	.65			.03			.62		.12			
Jenkins	K	.04	.47	.40						.28	.10		.05	.60	.90	.06		.25	.08	.20				.21		.33		.14			
Louisa	B	.52		.72	.30									.22	.42	.05				.43				.48		.18					
Maysville	O	.75	T.	.41	.02					.08	.22	.03		.09	.95	T	.01	T.	T.	.29				.16		.36	.11	.03	.05		
Middlesboro	C	.28		.80							T			.03	.38				.29	.41				.56		.75	T	T			
Mount Sterling	L	T.		.11						.36	T.	T.		.22	.58	T.								.50		.55	T				
Osborne Dam 35	O	.85	T.	.28	T					.11	.58	T.		.15	1.58	.06			T	.96			.24	.15		.48	T	.05			
Pikeville	B	.38	T.	.36	.48					T.	T				.72				.12	.52	T.			.32		.58		T			
Prestonsburg	B																							.08		.06					
Quicksand	K		T.	.62	.15					T.	.10	.10		T.	.85	T			.15	.55	.15			.28		.25		.12			
Ravenna, Lock No. 12	K	.65		.56	T.						T.	T	T	T.	.55	.10	T		T.	.35	T.			.10		.25	T.	.10			
Richmond	K			.53						T.	.12	.02	T.	.03	.78	.03			.06		.45	T.		.30		.25		.01			
Sargent	K	.25	T.							.35					1.69	T.			.25	.85				.15		.12	.15				
Valley View, Lock No. 9	K	.01			.30				.10	.08		.06	.35	1.06					.60				.16		.60		.20			
Vanceburg, Dam No. 32	O	1.14		.57										.11	1.02	.09				.28				.26		.27	.02	.10			
Wayland	B								.14	.32	.01																				
Wheelersburg	K	.20		.88	.40																										
Williamsburg	C	.40		.43						.30	T.			1.30	.06				.30	.80	.07	T		.10				.10			
Wolfe Creek, Lock No. 13	K	.38	.56					T.	.10				.03	.54	.03			T.	.06	.41	.30			.10		.40		.05			
																			.40					.22		.41		.12			

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch. * Precipitation included in the next following measurement.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Long Oak.

Rivers:—Comparatively high stages prevailed in the Ohio, Green subsided during the first week. Other tributaries in this River during most of the month. The freshet in the Upper State were generally at moderate or low stages

Daily Temperatures for February, 1926.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	50	52	54	46	39	60	57	55	48	38	39	40	61	60	45	40	60	61	62	57	65	61	44	59	59	60	42	60	..	..	..	52.6
	Minimum	35	34	38	31	30	29	28	38	35	27	17	26	39	42	32	21	31	48	29	27	42	42	30	27	38	26	30	24	..	..	..	32.0
	Maximum	54	52	47	43	44	61	62	56	47	38	40	61	62	59	40	43	58	61	60	59	62	58	49	61	61	48	40	61	..	..	..	52.9
Blandville	Minimum	36	36	41	31	29	34	36	39	38	29	24	30	40	40	30	25	36	40	25	28	44	35	31	30	48	40	31	29	..	..	..	34.1
	Maximum	48	52	49	45	40	60	57	54	48	36	37	41	56	61	47	47	58	60	58	57	65	63	41	57	60	57	45	63	..	..	..	52.0
Calhoun	Minimum	36	32	40	31	31	31	29	37	35	27	20	29	40	41	35	28	34	50	26	28	40	40	31	28	49	37	32	27	..	..	..	33.6
	Maximum	52	53	49	44	31	33	29	29	30	28	17	29	45	44	50	21	33	59	27	22	48	40	31	29	40	36	32	24	..	..	..	55.2
Carlington	Minimum	38	33	41	31	33	29	29	30	28	17	29	45	44	50	49	60	62	60	57	66	68	47	60	62	62	44	60	..	..	..	..	32.9
	Maximum	54	54	52	45	41	62	61	59	51	40	40	41	63	63	50	49	60	67	60	60	70	69	49	61	65	61	43	63	..	..	..	54.8
Greenville	Minimum	34	30	40	30	29	29	30	36	34	27	15	28	39	43	35	19	30	47	26	25	49	42	30	27	46	34	31	24	..	..	..	32.6
	Maximum	57	57	52	46	40	61	65	59	54	39	40	43	65	65	50	51	59	66	61	60	68	62	43	60	62	47	64	62	55	42	64	55.1
Hopkinsville	Minimum	35	31	38	29	26	29	27	35	35	26	17	26	41	46	35	18	31	46	25	23	42	43	30	27	46	34	31	24	..	..	..	32.0
	Maximum	50	55	46	45	37	49	59	59	52	38	38	38	53	61	51	43	58	61	60	57	64	62	51	45	59	59	44	54	..	..	..	51.3
Marion	Minimum	36	35	40	29	29	32	36	37	35	28	24	29	37	43	33	25	36	48	28	28	46	45	30	28	44	37	32	27	..	..	..	34.1
	Maximum	55	54	49	45	45	60	61	59	45	43	41	49	63	64	57	49	57	64	65	57	61	61	48	62	63	59	49	60	..	..	..	55.2
Mayfield	Minimum	36	35	40	29	29	32	36	37	35	26	17	26	41	46	35	18	31	46	25	23	42	43	30	27	46	34	31	24	..	..	..	32.0
	Maximum	54	54	52	45	41	62	61	59	51	40	40	41	63	63	50	49	60	67	60	60	70	69	49	61	65	61	43	63	..	..	..	54.8
Owensboro	Minimum	38	33	41	31	33	29	29	30	28	17	29	45	44	50	49	60	62	60	57	66	68	47	60	62	62	44	60	..	..	..	..	32.6
	Maximum	54	54	52	45	41	62	61	59	51	40	40	41	63	63	50	49	60	67	60	60	70	69	49	61	65	61	43	63	..	..	..	54.8
Paducah (near)	Minimum	34	30	40	30	29	29	30	36	34	27	15	28	39	43	35	19	30	47	26	25	49	42	30	27	46	34	31	24	..	..	..	32.0
	Maximum	57	57	52	46	40	61	65	59	54	39	40	43	65	65	50	51	59	66	61	60	68	62	43	60	62	47	64	62	55	42	64	55.1
Princeton	Minimum	35	31	38	29	26	29	27	35	35	26	17	26	41	46	35	18	31	46	25	23	42	43	30	27	46	34	31	24	..	..	..	32.0
	Maximum	54	54	52	46	40	61	65	59	54	39	40	43	65	65	50	51	59	66	61	60	68	62	43	60	62	47	64	62	55	42	64	55.1
Russellville§§	Minimum	35	31	38	29	26	29	27	35	35	26	17	26	41	46	35	18	31	46	25	23	42	43	30	27	46	34	31	24	..	..	..	32.0
	Maximum	54	54	52	46	40	61	65	59	54	39	40	43	65	65	50	51	59	66	61	60	68	62	43	60	62	47	64	62	55	42	64	55.1
	Minimum	37	30	31	32	24	29	30	35	35	28	17	29	34	45	37	26	26	37	31	26	39	44	32	28	30	38	33	24	..	..	..	31.3
Central Division.																																	
Anchorage	Maximum	47	49	44	41	34	56	49	52	38	31	32	36	59	55	39	34	48	60	52	55	63	55	38	51	55	48	36	54	..	..	..	46.8
	Minimum	29	29	37	31	24	36	35	31	23	15	21	36	38	31	18	26	41	28	26	41	32	28	26	46	32	26	20	..	..	..	..	29.7
	Maximum	50	52	57	43	37	58	55	52	46	34	36	40	60	53	45	49	59	64	56	64	56	48	63	62	58	49	35	57	..	..	..	51.1
Bardstown	Minimum	34	27	38	32	25	25	28	37	32	22	9	21	39	29	27	19	30	47	30	25	42	42	27	27	45	32	20	19	..	..	..	29.6
	Maximum	53	53	49	47	38	60	60	55	48	37	40	63	61	56	51	60	60	64	61	59	65	62	47	67	63	55	40	59	..	..	..	53.9
Bowling Green	Minimum	36	38	39	31	30	26	25	39	34	26	16	20	38	47	36	22	28	48	29	25	40	45	30	27	48	33	29	23	..	..	..	32.7
	Maximum	53	53	49	47	38	60	60	55	48	37	40	63	61	56	51	60	60	64	61	59	65	62	47	67	63	55	40	59	..	..	..	53.9
Dix Dam	Minimum	36	38	39	31	30	26	25	39	34	26	16	20	38	47	36	22	28	48	29	25	40	45	30	27	48	33	29	23	..	..	..	*49.9
	Maximum	45	52	46	44	34	54	51	48	44	32	36	39	60	54	48	45	57	61	60	54	63	60	...	62	58	53	39	55	..	..	..	*30.8
	Minimum	29	28	36	30	29	25	31	38	31	22	10	17	37	45	34	22	25	44	28	25	42	43	...	25	47	35	27	23	..	..	..	51.1
Eubank	Maximum	53	53	50	41	35	55	53	50	51	31	29	42	49	57	54	54	55	64	60	52	67	60	52	59	58	55	49	44	..	..	..	30.5
	Minimum	33	26	36	31	25	24	30	26	31	25	6	17	38	46	29	27	27	43	29	24	42	39	48	28	43	36	27	18	..	..	..	30.5
Frankfort	Maximum	44	51	49	44	36	55	55	49	47	33	29	38	60	56	48	41	58	60	59	53	63	63	45	57	57	53	49	54	..	..	..	49.9
	Minimum	35	30	38	33	31	27	31	39	32	24	12	21	36	45	36	22	27	44	30	26	40	43	27	27	49	34	29	24	..	..	..	31.9
	Maximum	..	..	..	..	..	..	..	..	40	37	35	40	62	65	60	53	60	65	59	53	63	66	55	..	..	..	..	45	..	..	..	*54.4
	Minimum	..	..	..	..	..	..	..	35	32	27	..	..	37	50	35	21	31	55	26	30	35	42	38	..	..	..	..	25	30	..	..	*33.1
Franklin	Maximum	47	54	52	49	39	58	59	54	45	39	40	49	60	62	50	50	60	65	60	52	63	60	53	65	62	54	39	56	..	..	..	53.4
	Minimum	35	31	30	30	30	28	31	35	34	25	12	18	35	48	35	22	35	49	30	25	43	52	31	28	49	36	29	23	..	..	..	32.5
Glasgow	Maximum	47	58	50	44	35	56	53	52	49	34	32	41	61	60	50	47	60	65	62	55	63	61	48	66	62	54	39	57	..	..	..	52 0
	Minimum	34	24	38	31	30	22	26	39	30	24	15	18	38	46	34	19	23	45	29	22	44	47	25	26	49	37	28	18	..	..	..	30.8
Greensburg	Maximum	44	50	47	44	36	57	54	50	41	32	35	41	59	57	47	44	58	61	56	55	63	59	38	57	*8	41	36	55	..	..	..	49.1
	Minimum	35	28	38	31	31	30	33	38	31	26	20	22	40	43	32	24	34	49	29	27	41	37	29	27	40	36	30	26	..	..	..	32.4
Irvington	Maximum	46	53	48	42	37	56	51	51	47	32	31	42	60	56	49	48	58	62	62	54	68	61	45	64	58	53	38	56	..	..	..	50.8
	Minimum	35	28	38	31	31	30	33	38	31	26	20	22	40	43	32	24	34	49	29	27	41	37	29	27	40	36	30	26	..	..	..	32.4
Junction City	Maximum	46	53	48	42	37	56	51	51	47	32	31	42	60	56	49	48	58	62	62	54	68	61	45	64	58	53	38	56	..	..	..	50.8
	Minimum	33	27	37	31	29	24	28	41	29	20	16	14	38	45	33	25	20	44	29	28	45	48	25	27	42	48	25	27	37	..	..	30 6
Leitchfield	Maximum	46	52	47	44	35	58	56	52	44	33	35	38	58	60	48	47	58	61	59	55	64	62	43	60	57	53	40	56	..	..	..	50.6
	Minimum	35	28	38	31	30	29	31	38	32	25	20	23	37	44	33	22	31	48	29	27	42	42	30	27	49	34	30	24	..	..	..	32 4
Lexington	Minimum	39	48	40	38	32	51	45	47	41	27	25	39	57	53	37	24	36	45	26	25	41	30	23	26	39	29	24	23	..	..	..	45.2
	Maximum	52	56	52	48	38	62	61	59	51	40	40	43	63	63	50	49	60	67	60	60	70	69	49	61	65	61	43	63	..	..	..	54.8
Louisville	Minimum	32	36	36	28	27	28	32	38	27	17	10	19	39	37	27	24	36	45	26	25	41	30	23	26	39	29	24	23	..	..	..	29.4
	Maximum	42	49	46	38	34	56	49	49	39	31	33	43	57	53	38	44	59	59	59	55	64	55	31	56	56	43	33	54	..	..	..	46.8
	Minimum	33	33	37	33	29	29	34	39	31	20	19	23	43	37	26	26	33	39	27	28	45	31	25	28	43	32	28	26	..	..	..	31.4
	Maximum	48	49	46	38	34	56	49	49	39	31	33	43	57	53	38	44	59	59	59	55	64	55	31	56	56	43	33	54	..	..	..	49.1
Louisville	Minimum	33	33	37	33	29	29	34	39	31	20	19	23	43	37	26	26	33	39	27	28	45	31	25	28	43	32	28	26	..	..	..	52.2
	Maximum	46	48	48	45	35	55	54	48	45	34	34	37	57	53	47	42	57	58	54	63	63	63	42	52	55	54	40	53	..	..	..	51.2
Ivy Cherokee Park	Minimum	34	28	36	34	31	29	32	38	31	23	19	23	36	44	35	24	29	45	28	27	42	48	28	26	46	34	29	25	..	..	..	32.9
	Maximum	49	50	49	45	35	58	54	50	47	40	35	45	57	54	44	58	60	46	58	56	55	40	58	60	58	55	40	58	..	..	..	*30.6
St. John	Minimum	34	26	36	31	30	28	29	..	28	30	..	35	35	33	..	..	..	..	30	24	..	..	..	..	..	42	33	31	24	..	..	..	44.2
	Maximum	49	50	49	45	35	58	54	50	47	40	35	45	57	54	44	58	60	46	58	56	55	40	58	60	58	55	40	58	..	..	..	29.4
Scott	Minimum	34	26	36	31	30	28	29	..	28	30	..	35	35	33	..	..	..	..	30	24	..	..	..	..	..	42	33	31	24	..	..	..	46.8
	Maximum	49	50	49	45	35	58	54	50	47	40	35	45	57	54	44	58	60	46	58	56	55	40	58	60	58	55	40	58	..	..	..	31.4
Shelbyville	Minimum	33	33	35	31	28	26	33	37	32	20	6	14	32	38	32	21	27	48	24	23	38	32	24	22	36	34	28	20	..	..	..	49.1
	Maximum	48	49	46	38	34	56	49	49	39	31	33	43	57	53	38	44	59	59	59	55	64	55	31	56	56	43	33	54	..	..	..	52.2
Taylorsville	Minimum	33	33	37	33	29	29	34	39	31	20	19	23	43	37	26	26	33	39	27	28	45	31	25	28	43	32	28	26	..	..	..	51.2
	Maximum	46	48	48	45	35	55	54	48	45	34	34	37	57	53	47	42	57	58	54	63	63	63	42	52	55	54	40	53	..	..	..	52.2
Williamstown	Minimum	34	28	36	34	31	29	32	38	31	23	19	23	36	44	35	24	29	45	28	27	42	48	28	26	46	34	29	25	..	..	..	32.9
	Maximum	49	50	49	45	35	58	54	50	47	40	35	45	57	54	44	58	60	46	58	56	55	40	58	60	58	55	40	58	..	..	..	*30.6
	Minimum	32	33	35	30	28	25	31	37	30	20	4	15	33	39	29	26	43	25	23	39	24	24	16	33	39	24	19	..	..	..	..	44.2
Eastern Division.																																	
Ashland	Maximum	41	50	49	40	35	55	53	46	45	40	26	40	57	59	46	43	62	62	56	53	67	65	45	55	59	55	42	52	..	..	..	49.9
	Minimum	35	33	37	35	29	25	36	36	35	21	11	20	34	42	37	23	24	39	29	23	35	43	25	27	43	38	28	19	..	..	..	30.5
	Maximum	42	55	50	42	38	56	52	52	48	34	26	43	61	60	48	46	60	61	60	58	64	66	57	66	61	56	47	55	..	..	..	52.2
Beattyville	Minimum	35	36	39	32	30	20	28	31	28	21	13	9	36	45	35	20	20	39	30	20	33	43	24	25	41	31	27	18	..	..	..	30.1
	Maximum	45	54	48	41	35	52	49	50	45	31	26	43	58	60	45	44	57	59	62	58	61	64	44	63	65	58	52	57	..	..	..	49.6
Berea	Minimum	23	29	37	31	28	24	34	41	31	19	8	15	40	45	34	21	27	44	28	25	44	43	25	27	49	37	28	20	..	..	..	31.0
	Maximum	42	53	49	36	35	54	55	50	45	35	27	42	65	60	49	48	65	60	56	58	68	65	47	64	63	55	43	53	..	..	..	51.8
Farmers	Minimum	30	31	34	30	27	28	31	33	30	19	7	9	30	41	33	16	17	37	26	17	32	41	22	24	43	31	26	23	..	..	..	27.1
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Harlan	Minimum	30	31	34	30	27	28	31	33	30	19	7	9	30	41	33	16	17	37	26	17	32	41	22	24	43	31	26	23	..	..	..	30.9
	Minimum	34	29	35	31	30	27	32	35	31	24	18	23	34	41	35	25	28	38	30	24	34	43	37	28	45	33	31	12	..	..	..	50.9
	Maximum	47	54	48	43	35	51	50	52	52	34	28	46	60	70	48	44	59	60	55	51	63	58	52	61	58	54	42	50	..	..	..	30.8
Hindman	Minimum	36	35	38	33	30	21	33	35	30	23	16	9	34	43	36	23	21	39	31	22	34	42	32	26	50	41	29	19	..	..	..	48.5
	Maximum	40	46	45	40	35	52	51	45	44	34	27	41	59	55	44	40	58	58	48	42	56	61	58	52	62	60	48	53	..	..	..	31.9
Maysville	Minimum	34	34	36	33	30	24	36	42	33	28	10	16	33	40	35	23	22	39	28	23	37	42	23	27	52	42	23	27	..	..	..	33.1
	Maximum	51	54	52	46	41	50	55	54	53	45	31	43	56	62	55	55	58	54	56	56	49	60	62	60	61	61	58	52	51	..	..	53.1
Middlesboro	Minimum	36	27	37	31	29	21	31	32	30	23	14	12	34	46	32	22	21	38	29	18	39	49	34	25	44	33	27	16	..	..	..	29.6
	Maximum	39	50	42	39	33	51	46	44	42	30	27	41	61	54	45	41	60	54	57	51	62	55	40	59	49	48	34	52	..	..	..	46.6
Mount Sterling	Minimum	31	33	36	29	24	23	32	36	32	23	7	14	32	43	30	20	26	46	24	22	37	39	22	25	47	32	27	29	..	..	..	29 0
	Maximum	..	55	48	41	40	55	53	52	50	33	27	44	62	64	48	49	68	66	55	54	65	60	56	67	60	56	47	50	..	..	..	*52.7
Quicksand	Minimum	..	36	36	39	30	22	34	35	30	23	15	12	35	46	38	23	22	39	31	21	36	54	30	27	47	41	29	20	..	..	..	*31.4
	Maximum	..	56	46	38	33	50	51	45	44	34	27	41	58	58	48	42	56	61	58	52	62	60	48	61	61	53	40	55	..	..	..	45.9
Richmond	Minimum	43	53	48	41	35	62	49	47	44	34	27	41	58	58	48	42	56	61	58	52	62	60	48	61	61	53	40	55	..	..	..	31.5
	Maximum	43	53	48	41	35	62	49	47	44	34	27	41	58	58	48	42	56	61	58	52	62	60	48	61	61	53	40	55	..	..	..	*53.1
Sargent	Minimum	38	35	38	32	28	25	32	40	25	21	9	24	38	46	34	22	29	44	29	25	42	48	26	27	42	36	29	22	..	..	..	*29.8
	Maximum	48	53	50	40	38	53	53	53	48	36	26	..	..	39	37	27	22	41	30	23	38	35	32	24	48	39	28	16	..	..	..	54.8
Williamsburg	Minimum	36	30	38	33	30	23	29	37	33	23	15	18	38	49	36	22	28	44	29	23	40	55	32	30	48	38	28	19	..	..	..	32.1
	Maximum	48	54	50	41	38	58	57	55	50	38	34	44	63	65	53	51	57	63	60	58	69	64	61	63	61	59	43	58	..	..	..	54.8

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 3 59-26 .950

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., MARCH, 1926. No. 3

GENERAL SUMMARY.

Except for a short period in the latter half of the month, the weather continued unseasonably cold and persistently unfavorable for farming and gardening activities appropriate to the early spring. The temperature averaged lower than in February preceding, and weather conditions most of the time were characteristic of mid-winter. Because of the comparatively light precipitation, the better soils remained well drained, so that lifting of grains and grasses was much less serious than usually accompanies such severe temperatures in March. On heavy clays there was some further injury, but in general early wheat maintained its fairly good condition. The deterioration and poor condition of late wheat, however, led to preparations to plow up a large part of it. In the period of moderate temperature, which began on the 18th and lasted about a week, considerable plowing was done and about three-fourths of the tobacco plant-beds were sown. A few farmers sowed oats at this time, and gardeners began planting potatoes and other early vegetables. Planting had scarcely commenced when all outdoor activities were stopped by snow or rain and freezing temperatures, that ushered in a period of cold weather that continued until the end of the month. Tobacco seed and seeds of early vegetables, even in cold frames, generally failed to germinate, largely because of lack of sunshine. Much young clover that had sprouted in the warm week was killed by subsequent freezes. Fruit buds developed rapidly for a few days and peaches began to bloom in the southwestern counties. The peach buds that opened were killed by the freezes; but in most of the State these represented only a small percentage of the total number. Other fruit suffered no apparent injury. Bluegrass on dry, warm slopes made a good start and furnished some pasturage. Rye pastures also improved. Except for a short time, it was necessary to feed and protect stock as in a winter month.

TEMPERATURE.

The average temperature for the State, based on reports from 43 stations, was 40.2°, which is 6.2° below normal and the third lowest of record. Mean temperatures were continuously below normal from the 2nd to 17th inclusive, and again from the 26th to the end of the month. Minimum temperatures in those periods ranged from 10° to 25°. On the 14th, which was the coldest day, they registered between 4° and 10° at most eastern stations. Extremes for the State were 84° at Franklin on the 18th, and 4° at Beattyville and Quicksand on the 14th.

PRECIPITATION.

The average precipitation for the State, 75 stations reporting, was 2.80 inches, which is 2.04 inches less than normal. It was lightest in the northern, extreme western, and east-central counties, where monthly amounts ranged between 2.0 and 3.0 inches. In the district extending from the central bluegrass southwestward to the lower Cumberland, from 3.6 to 5.0 inches occurred. Snowfall in the northeastern counties and in the mountain region was 2.0 to 6.0 inches. It diminished to mere flurries in the western districts. Precipitation was reported from some part of the State on every day. Except for heavy rains on the 22d and 23d, 24-hour amounts were usually light. The periods with general showers were 7-8th; 11-13th; 15-17th; 20th-23d, and 30th-31st. Precipitation extremes were 1.80 inches at Pikeville and 4.95 inches at Bowling Green No. 2. Thunderstorms were reported from a few stations on the 22d, 30th, and 31st.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour	Direction.	Date.
Cairo ..... Ill.	30.08	30.49	13	29.19	30	9364	11.2	42	sw.	31
Cincinnati ..... Ohio	30.04	30.57	5	29.09	31	7538	10.1	40	sw	31
Evansville ..... Ind.	30.09	30.49	5	29.14	31	10182	13.7	48	sw	31
Lexington ..... Ky.	30.06	30.55	5	29.17	31	11967	16.2	56	sw.	31
Louisville ..... Ky.	30.08	30.55	5	29.18	31	9327	12.8	50	sw.	31

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	73	53	55	225.1	371.4	61	14	7
Cincinnati ..... Ohio	79	60	72	138.8	371.1	38	7	15
Evansville ..... Ind.	73	58	63	193.2	371.2	52	9	10
Lexington ..... Ky.	82	72	.....	132.5	371.2	36	6	13
Louisville ..... Ky.	75	62	67	183.0	371.2	49	7	9

COMPARATIVE DATA FOR MARCH.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01in. or more rain.
1889	40.5	− 5.9	74	18	1.52	−3.52	7
1890	41.2	− 5.2	74	4	8.34	+3.50	13
1891	41.8	− 4.6	81	9	8.04	+3.24	13
1892	40.6	− 5.8	82	5	4.06	−0.76	9
1893	45.0	− 1.4	89	5	3.05	−1.77	9
1894	50.8	+ 4.4	86	10	2.72	−2.08	7
1895	45.0	− 1.4	85	15	3.17	−1.67	9
1896	41.1	− 5.3	80	8	3.16	−1.52	12
1897	49.6	+ 3.2	86	20	7.91	+3.10	14
1898	50.7	+ 4.3	84	16	5.80	+2.75	13
1899	43.9	− 2.5	86	1	3.10	+0.26	12
1900	42.8	− 3.6	81	3	2.58	−2.26	9
1902	46.4	0.0	83	8	3.50	−1.34	10
1902	47.2	+ 0.8	84	12	4.44	−0.40	11
1903	52.5	+ 6.1	89	19	4.93	−0.41	12
1904	47.7	+ 1.3	84	12	5.26	+1.42	12
1905	52.2	+ 5.8	86	19	4.55	−0.29	14
1906	39.2	− 7.2	83	3	6.87	+1.53	16
1907	52.0	+ 8.5	87	18	2.28	−2.56	10
1908	43.3	− 0.1	82	11	3.42	−0.78	11
1909	41.8	− 1.6	71	17	3.14	−0.80	11
1910	55.0	+ 8.6	91	11	6.79	−4.05	14
1911	36.0	− 6.4	76	7	2.57	−2.27	9
1912	44.3	− 5.1	80	16	6.32	−1.88	15
1913	36.5	− 10.1	77	9	7.22	−2.38	10
1914	41.5	− 4.6	85	7	4.62	−1.22	12
1915	37.8	− 8.6	85	11	2.11	−3.73	8
1916	43.5	− 2.9	84	4	3.39	−1.45	10
1917	45.3	+ 0.5	84	6	6.52	+1.68	14
1918	51.0	+ 5.2	87	15	1.97	−2.87	8
1919	47.6	+ 1.2	84	16	5.65	+0.81	9
1920	40.3	− 0.1	81	1	4.55	+0.01	10
1921	50.7	+ 10.3	85	24	5.55	+0.91	11
1922	43.4	− 3.0	86	14	3.11	−1.57	14
1923	45.6	− 0.8	86	8	3.27	−0.43	9
1924	41.5	− 4.9	82	14	3.35	−1.79	9
1925	49.2	+ 2.8	84	4	3.79	−1.29	9
1926	40.2	− 6.2	84	4	2.80	−2.04	11

Climatological Data for March, 1926.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.			Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	22	43.0	−4.6	77	24	15	13	40	2.70	−1.54	1.20	0.5	7	17	9	5	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	44	42.6	−4.7	76	24	18	3[f]	36	2.65	−1.98	0.77	T.	7	10	9	12	sw.	E. W. Horr.
Bloomfield	McLean	437	22	[a]41.4	−7.8	77[b]	24	17[b]	14	38[b]	2.28	−2.60	0.56	T.	9	15	3	13	sw.	W. A. Taylor.
Calhoun	McLean	420	36	43.2	−4.1	78	24	18	3	34	2.36	−2.36	0.56	0.2	10	11	8	12	nw.	Brick Southworth.
Earlington	Hopkins	519	9	42.3	−5.9	79	24	12	14	35	3.22	−1.73	0.94	.....	10	16	7	8	s.	C. R. Lovell.
Greenville	Muhlenburg	524	30	42.6	−6.7	80	24	13	14	45	3.54	−1.49	1.32	T.	11	10	6	15	se.	W. E. Graves.
Hopkinsville	Christian	571	28	42.1	−6.4	76	25	15	14	36	2.10	−2.50	0.67	T.	5	7	11	13	nw.	B. C. Paris.
Marion	Crittenden	364	17	[b]42.3	−8.6	68[b]	18[f]	19[g]	3	35[b]	.....	.....	.....	.....	.....	12[f]	7[f]	6[f]	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	479	29	40.0	−7.1	75	24	16	3	36	2.59	−1.95	0.55	T.	10	13	5	13	nw.	Henry S. Berry.
Owensboro	Daviess	516	9	43.8	.....	77	24	18	14	37	2.45	.....	0.80	.....	6	17	5	9	nw.	J. W. Lilley
Paducah (near)	McCracken	341	37	.....	.....	.....	.....	.....	.....	.....	2.44	−1.95	1.10	.....	7	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	529	19	41.2	−7.3	76	24	15	14	39	2.95	−2.20	0.70	T.	9	11	5	15	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	9	.....	.....	.....	.....	.....	.....	.....	2.14	−2.48	0.66	0.5	8	.....	.....	.....	.....	Thos. L. Wetzell.
Rumsey, Lock 2	McLean	390	15	[a]39.4	−9.4	76[a]	24	14[a]	14	35[a]	4.40	−1.00	.....	0.3	10	7[e]	0[e]	10[e]	n.	Wm. Shelton.
Russellville	Logan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																			
Anchorage	Jefferson	700	25	[a]37.0	−8.1	75[a]	24	12[a]	14	37[a]	2.08	−2.16	0.75	3.3	10	8[a]	5[a]	17[a]	w.	C. E. Barret.
Bardstown	Nelson	637	29	40.3	−6.3	76	24	11	14	37	2.54	−2.15	0.80	.....	9	7	4	20	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	42.3	−6.0	80	24	14	14	38	4.01	−0.88	0.90	T.	14	15	9	7	w.	Mrs. Lillie G. Causey
Bowling Green, No. 2	Warren	469	1	.....	.....	.....	.....	.....	.....	.....	4.95	.....	2.49	.....	11	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6	Edmonson	410	9	.....	.....	.....	.....	.....	.....	.....	4.25	−2.06	1.92	1.0	10	.....	.....	.....	.....	Virgil M. Wanlin.
Burnside	Pulaski	773	35	.....	.....	.....	.....	.....	.....	.....	3.00	−2.26	1.20	0.5	8	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	27	.....	.....	.....	.....	.....	.....	.....	2.13	−1.20	0.51	.....	11	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	12	.....	.....	.....	.....	.....	.....	.....	2.38	−1.88	0.81	1.9	13	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	0	.....	.....	.....	.....	.....	.....	.....	2.64	.....	0.69	6.0	11	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	2	39.2	.....	74	24	12	14	39	3.09	.....	1.51	1.5	11	10	9	12	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	32	41.1	−5.0	74	24[f]	10	14	37	2.36	−2.62	0.85	T.	7	10	5	16	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	34	39.7	−6.9	75	24	14	14	38	1.96	−2.73	0.82	3.0	8	13	3	15	w.	Sidney Wood.
Franklin	Simpson	691	31	[a]42.4	−7.2	84[b]	18	16[g]	14	49[c]	.....	.....	0.95	.....	.....	19	3	9	w.	Jos. H. Blewett.
Georgetown	Scott	900	0	.....	.....	.....	.....	.....	.....	.....	2.68	−1.70	1.15	.....	10	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	449	15	.....	.....	.....	.....	.....	.....	.....	3.52	.....	1.50	.....	11	21	0	10	n.	Dr. Fidelia Edwards.
Gest, Lock 3	Henry	780	5	40.8	.....	78	24	11	3	34	2.31	.....	0.73	.....	12	.....	.....	.....	.....	W. L. Patchell.
Glasgow	Barren	506	1	.....	.....	.....	.....	.....	.....	.....	4.12	−0.91	1.70	T.	14	7	0	24	sw.	Mrs. Bettie K. H. Alcorn
Grant, Dam 38	Boone	581	33	39.4	−7.2	75	24	11	14	41	3.00	−1.44	1.44	2.0	9	.....	.....	.....	.....	Miss Lulu Wood.
Greensburg	Green	550	24	.....	.....	.....	.....	.....	.....	.....	2.67	−1.93	0.90	1.2	10	10	6	15	sw.	W. J. Piggott.
High Bridge, Lock 7	Jessamine	646	28	40.0	−6.8	75	24	16	3	32	3.09	−2.08	1.30	T.	12	11	19	1	sw.	William E. Grubbs.
Irvington	Breckenridge	985	32	40.0	−6.1	76	23	14	3	42	3.84	.....	1.46	T.	10	.....	.....	.....	.....	L. J. Vanhook.
Junction City	Boyle	1032	0	.....	.....	.....	.....	.....	.....	.....	3.30	−1.68	1.10	T.	8	7	12	12	nw	H. H. Willis.
Lancaster	Garrard	835	30	40.3	−6.2	77	24	15	3[f]	34	2.52	−2.20	1.00	4.6	18	7	9	15	sw.	U. S. Weather Bureau.
Leitchfield	Grayson	989	42	36.7	−7.0	72	24	11	13	28	1.97	−2.01	1.20	2.0	6	.....	.....	.....	.....	Horace Canter.
Lexington	Fayette	523	15	.....	.....	.....	.....	.....	.....	.....	2.43	−2.04	1.05	4.8	11	.....	.....	.....	.....	Andrew J. Keenan.
Little Hickman, Lock 8	Jessamine	476	16	.....	.....	.....	.....	.....	.....	.....	2.66	−1.66	0.73	1.8	12	6	9	16	w.	U. S. Weather Bureau.
Lockport, Lock 2	Henry	525	53	39.0	−6.4	76	24	16	3	27	2.76	−1.65	0.74	2.0	10	7	6	18	sw.	Wm. L. Hunt.
Louisville	Jefferson	534	16	39.8	−6.2	76	24	16	3[f]	35	4.55	.....	1.89	0.5	12	.....	.....	.....	.....	C. R. Richardson.
Do. (Cherokee Park)	Do.	600	1	.....	.....	.....	.....	.....	.....	.....	3.42	−1.57	1.04	1.0	12	17	4	10	.....	Sisters of Loretto.
Munfordville	Hardin	777	30	39.3	−6.2	78	24	13	14	36	2.52	−0.63	1.10	.....	7	.....	.....	.....	.....	Ernest M. Searcy.
St. John	Mercer	490	12	.....	.....	.....	.....	.....	.....	.....	2.33	−1.11	0.60	2.0	13	7	6	18	w.	E. B. Wilson.
Salvisa, Lock 6	Mercer	900	25	36.2	−7.2	73	24	10	14	35	2.12	−2.59	1.02	0.8	12	9	7	15	s.	Mrs. W. T. Miller.
Scott	Kenton	825	37	38.8	−5.9	76	24	12	13	38	2.22	−2.42	0.87	2.1	11	14	6	11	w.	E. D. Bourne.
Shelbyville	Shelby	489	24	38.3	−8.3	75	24	13	14	41	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. K. Vaughn.
Taylorsville	Spencer	526	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tyrone, Lock 5	Anderson	943	23	37.2	−7.4	73	24	9	14	32	3.00	−1.38	1.15	5.7	14	11	6	14	nw.	Mrs. E. S. Hamilong.
Williamstown	Grant	933	9	.....	.....	.....	.....	.....	.....	.....	4.36	−1.08	1.67	0.2	12	.....	.....	.....	.....	A. C. Stinson.
Woodbury, Lock 4	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																			
Ashland	Boyd	534	9	39.4	−8.2	75	24	12	14	38	2.20	−1.79	0.70	3.8	13	12	3	16	nw	Curtis Purvis.
Beattyville	Lee	650	22	39.9	−6.0	76	24	4	14	46	2.28	−2.80	0.70	2.2	15	10	3	18	w.	Robert S. Smallwood.
Boston, Lock 10[c]	Madison	1070	21	39.2	−7.9	74	24	6	14	33	2.65	−2.11	0.85	3.1	18	4	9	18	w.	Frank Montgomery.
Bryan, Lock 11	Madison	601	16	.....	.....	.....	.....	.....	.....	.....	3.24	−0.92	1.15	3.6	17	.....	.....	.....	.....	Kelly Walden.
Cedar Hill, Lock 11	Madison	684	8	.....	.....	.....	.....	.....	.....	.....	2.63	.....	0.80	2.0	11	.....	.....	.....	.....	P. H. Kehoe.
Cynthiana	Harrison	600	37	.....	.....	.....	.....	.....	.....	.....	2.52	−1.57	1.14	1.0	9	7	9	15	se.	J. V. Oldham.
Falmouth	Pendleton	668	18	38.8	−6.5	77	24	9	5	48	.....	.....	.....	.....	.....	9	5	17	e.	Mrs. Edna Tinsley.
Farmers	Rowan	841	1	.....	.....	.....	.....	.....	.....	.....	2.81	.....	0.97	.....	.....	.....	.....	.....	.....	C. A. Glascock
Flemingsburg	Fleming	593	10	.....	.....	.....	.....	.....	.....	.....	2.60	−1.32	1.15	2.5	11	.....	.....	.....	.....	John A. Walters.
Head Lock 9[c]	Clark	589	1	.....	.....	.....	.....	.....	.....	.....	2.22	.....	0.57	5.5	11	.....	.....	.....	.....	Col. Frank Bowers.
Grahson	Carter	540	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. Mitchell.
Greenup, Dam 30	Greenup	1197	1	.....	.....	69[g]	19	.....	.....	.....	.....	.....	.....	.....	.....	9	2	20	.....	Mrs. Agnes Farley.
Harlan	Harlan	869	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chas. A. Ibrig.
Hazard	Perry	664	9	.....	.....	.....	.....	.....	.....	.....	3.26	.....	1.06	11.2	10	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 11	Lee	1032	1	.....	.....	73	24	.....	.....	.....	2.66	.....	0.78	2.0	12	.....	.....	.....	.....	Miss Lake Napier.
Jackson	Breathitt	1506	1	.....	.....	.....	.....	.....	.....	.....	3.07	.....	0.43	8.1	14	15	3	13	nw.	R. R Davidson
Jenkins	Letcher	984	22	.....	.....	.....	.....	.....	.....	.....	3.52	.....	0.65	.....	18	.....	.....	.....	.....	Russian Copley.
Lewisburg	Lawrence	524	29	38.6	−6.0	74	24	9	14	38	2.37	−1.72	0.75	.....	10	.....	.....	.....	.....	Perry E. Bennett
Maysville	Mason	584	39	41.0	−7.5	78	25	14	3[f]	46	2.47	−2.01	0.96	3.8	13	13	3	15	nw.	Matthew Woodson.
Middlesboro	Bell	1128	30	37.8	−5.9	75	24	6	14	33	2.65	−2.93	0.72	1.0	9	21	9	1	.....	W. R. McKee.
Mount Sterling	Montgomery	930	36	.....	.....	.....	.....	.....	.....	.....	3.32	−2.09	1.30	5.8	17	11	4	16	w.	Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	497	4	.....	.....	.....	.....	.....	.....	.....	2.33	.....	0.81	7.0	8	.....	.....	.....	.....	Robert Repass.
Pike	Pike	636	20	.....	.....	.....	.....	.....	.....	.....	1.80	−2.59	0.44	3.0	12	.....	.....	.....	.....	E. C. Bell.
Pikeville	Pike	610	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. W. Jones.
Prestonsburg	Floyd	732	1	40.0	.....	76	21	4	14	41	3.37	.....	0.63	4.8	10	.....	.....	.....	.....	Walter P. Bush.
Quicksand	Breathitt	601	8	.....	.....	.....	.....	.....	.....	.....	2.19	−1.45	0.82	.....	10	.....	.....	.....	.....	J. W. Crooke.
Ravenna, Lock 12	Estill	696	35	39.8	−5.8	74	24	13	13	31	2.31	−2.08	0.80	1.8	13	15	1	15	.....	Mary Rockwell.
Richmond	Madison	1295	3	41.7	.....	75[d]	24	7[a]	14	45[d]	2.98	.....	0.60	4.5	14	10	10	11	nw.	Thos. Sullivan.
Sergent	Letcher	741	13	.....	.....	.....	.....	.....	.....	.....	4.16	+0.31	1.63	9.0	16	.....	.....	.....	.....	Samuel Johnson.
Valley View, Lock 9	Madison	525	11	.....	.....	.....	.....	.....	.....	.....	2.21	−3.03	1.10	.....	10	.....	.....	.....	.....	.....
Vanceburg, Dam 32	Lewis	509	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	G. H. Zimmerman.
Weaver	Floyd	1142	1	.....	.....	.....	.....	.....	.....	.....	2.20	.....	0.50	6.0	11	.....	.....	.....	.....	Lawrence R. Hall.
Wickliffe	Ballard	297	29	41.7	−5.4	79	24	9	14	42	2.45	−2.52	0.45	0.1	8	21	7	3	.....	Shelby Angel.
Williamsburg	Whitley	611	7	.....	.....	.....	.....	.....	.....	.....	2.31	.....	0.78	1.5	8	.....	.....	.....	.....	.....
Wilson, Lock 13	[illegible]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes				40.2	.....	84	18	4	14	49	2.80	.....	2.49	2.3	11	12	6	13	w.	

State averages and extremes

All temperature data are taken from self-registering thermometers.

Only stations having ten or more years of record, but all complete reports are published.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published.

Dashes (—) indicate that no records are available. Locks on the Green River; other Locks are on the Kentucky River.

Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Dams are designated by numbers.

Used in deducing section or division means.

Lone Oak.

References (letters, [a], [b], etc.) appearing in the table indicate number of days missing; for example, [a] represents two days, or

Precipitation is less than 0.01 inch rain or melted snow.

References (letters, [a], [b], etc.) appearing in the table indicate number of days missing; for example, [a] represents two days, or

T. Precipitation is less than 0.01 inch rain or melted snow.

[a] Also on other dates. [b] Record of too late to be included in means and summaries. [c] Scott, Covington, Ky.

[d] Best official records—Locks 6, Lockport, Ky.; Lock 7, Carrollton, Ky.; Lock 8, Versailles, Ky.; Locks Nicholasville, Ky.; Lock 10, Red House, Ky.;

[e] Post office closed Sundays. [f] Lock 6, Lockport, Ky.; Lock 7, Carrollton, Ky.; Lock 8, Versailles, Ky.; Locks Nicholasville Ky.; Lock 10, Red House, Ky.;

[g] Lock 6, Lockport, Ky.; Lock 7, Carrollton, Ky.; Lock 8, Versailles, Ky.; Locks Nicholasville Ky.; Lock 10, Red House, Ky.;

MISCELLANEOUS.

Floods.—Stages were moderately high in the Ohio during the first and last weeks; and a freshet that crested a few feet below flood stage occurred in the Green on the 25th and 26th. Low stages prevailed in other streams.

Daily Precipitation for March, 1926

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G						.40				.40	.10	T			.06							1.20	.10								45	
Blandville M						.45					.02	T	T							.55		.50		T						.75	
Calhoun G	T.	T.				.40	.19	T		.28	.05	T.	T.	T		.02			T	.40		.28	.18		T	T	T			.70	
Burlington G						.45	.18			.02		.02								.03		.52	.14							.70	
Greenville G						.25	.17			.28	.03	.02			T.					.16		.04	.16	T						.60	
Hopkinsville C						.34	.15			.32	.06	.02								.49		1.32	.04		.01					.50	
Marion O	T.					.41				.20	T.	T		T						T		T	.47								
Mayfield M						.45				.28																					
Owensboro O	.01			T.		.28	.09	T		.28	.01	T.	T.	T						.55		.35	.07		T	T				.40	
Paducah (near) ¶ O							.15			.20										.35		.25								.40	
Paducah 11 O					T.	.50				.14		.10								.22		T.	.19							.18	
Princeton G	T.	T.	T.			.70			T	.24	.01	.04								.33		.55			.01					.64	
Ramsey, Lock No. 2 G							.53			.27		T	T.	T	.10					.03		.05								.12	
Russellville G						.10				.28		.05								*		*	2.21		.02	.14				.24	
Central Division																															
Anchorage O	T.	T.				.35	.03	T.		T.	.11	.06	T.		.14	.02				.38		.75	.05			T				.10	
Bardstown S						.10									.03					.03		.80	.54							.52	
Bowling Green G		.05					.52				.15	.10	.10	.05		.01				.20	T	1.50	.20		.51	.05				.52	
Bowling Green, No. 2 G							.56				.30	.07	.11							.06	.60	.12	2.49		.15	.80				.40	
Brownsville, Lock No. 6 G						.65		T		.34		.06	T	T	.05						.27	.13	1.52			.14					.42	
Burnside C	T.	T.				.60		T		.34	.02	.16		T.	T.						.15	1	1.20			.87					.54	
Carrollton (Lock No. 1) K			.04			.37	.01			.18		.12		.14						.17	.12		.48		.02					.37	
Cloverport O		.01		T.		.40	.01	.02		.38		.12		.13	.06					.12		.02	.35			T	T	T		.88	
Cold Spring, Dam 36 O						.52	T			.20		.11		.11		.16				.16	.08	.60	T		.29	T	.61		.05	.81	
Dix Dam, Burgin K	T.	T				.47	T			.14	.01	.06		.04	.01	.01			T	.07	T	1.51	T		.16					.32	
Eubank C						.31	T					.04													.85					.23	
Frankfort K		T.	.02			.37	T.	T.		.45	.10	.10	T	T																.92	
Franklin G										.02		.21		.15	T.					T.	.05	T.	.82			T				.52	
Gest, Lock No. 3 K		.05	.03			.45						.03										.20	.50							.52	
Glasgow G						.40	T.			.04	T	.10	T.	.10	T.					16	.26		1.15			T.				.84	
Grant, Dam 38 O		03	.02							.60			.01		.01					.20	T	1.50	.20		.51	.05				.52	
Greensburg G		T				.37	.02	T.		17	T	.20		.16	T.	.07				14	.01	T.	.73			T.	T	T		.76	
High Bridge, Lock No. 7 K						.20	.25	T.		.48	.03	.03		.03	.01					.23		1.70	.20		.10	.29	T			.91	
Irvington O	T	T.				.48	T	T.		.12		.12		.16	.05						.04		1.14			.09				.52	
Junction City K						.12	.24	T.		T.	.21	.12	T		.04	.06				.15		.62		T	T					.76	
Lancaster K						.25	.05	T			.20	.05	.04		.03	.02				.04		1.30	.31							.76	
Leitchfield G	T.	T.				.27				.17		.15	.02	.02	.02						.05		1.46			.20				.40	
Lexington *** K	.01	.01	T.	T.		.30	.25	T.		.20	T	T		.10						T		1.10	.30		T	T	T			.48	
Little Buckman, Lock No. 8 K			T.			.35	.10	T		.03	.05	.12	.06		.18	.07				.07		.99	.01		.04	.02	.01			.45	
Lockport, Lock No. 2 K						.15	F.	T.		.18	T.	.24		T		.03	T				T	1.30			.17					.15	
Louisville*** O	.01	T.				.41	.03	T.		.12		.12		.15	T.					.18	.16	.01	1.05				T			.55	
Do. (Cherokee Park) O	T.	T.	T			*	.02	T.		.18	.05	.13		.07	.10	T.				.30		.75	T.		T.	T.	T			.14	
Munfordville C						.57					.08	.15	T.		.10					.42		*	.74			T.			*	.57	
St. John S	.08	T.				.40					.10	.02	.01							.11	.01	.20	1.80			.16				.55	
Salvisa, Lock No 6 K						.38	.14	T.		T.	T.	.15	.18	.04	T.						.08	1.04	.55			.06	T.			.42	
Scott L	T.	.01				.34	.20	T.			.17		.15	.12	.10	T.				.15		1.10								.20	
Shelbyville S	.08	.03				.25	.02				.22	.06	.02		.16	.12			T.	.20		.60	.08			T	T.			.60	
Taylorsville S						.23	.20	.01			.20	.09	.02		.10	.01				.12		1.02		T						.18	
Tyrone, Lock No. 5 K												.10	.10							.13		.87	.17		.01		T			.26	
Williamstown L		.04				.19	.37	.03			.19	.09	.07		.11	.01				.37		1.15	.15							.02	
Woodbury, Lock No. 4 G		.04					.55				.27	T.	.08		T	.02				.64	.16	.06	1.67			.02				.15	
Eastern Division																															
Ashland O		.04	T				.40	.04			.15	.09	.05		.02	.03	.15				.26		.70			.27	.03				.52	
Beattyville K		.03	.01				.23	.05			.16	.05	.18	T.	.08	.02	.05				.16		.76			.41		.01			.12	
Berea K	T	.03	T																												
College Hill, Lock No. 11 K		.04	.02			.10	.19	.05	T		.25	.04	.12		.07	.06	.05			.11		.54	.31		.07	.22	.01			.26	
Cynthiana L		.10	T				.52	.08	T.	T	.10	.11	.35	T.	T	.13					.10		1.15			.31		.02		.51	
Falmouth L		.05	T.				.50	T.	T.		.19	T	.13		.08	T.			.03	.06	.15		.80				T.	T			
Farmers L																															
Flemingsburg L		*	*				.62	*			*	*	.30		*	.50					.42		.97								
Ford, Lock No. 10 K		T	T		T		.56	.01	T		.10	T.	.16	T	.07	.01	T.			T.	.68		1.15		T.	.14	T	.02			
Grayson O		.10					.41	.03			.21			.11			.23				.26		.57			.18	.06				
Greenup, Dam 30 O																															
Harlan K																															
Hazard K																															
Heidelberg, Lock No. 11 K		.11	T.				1.06	.25			.36		.31	.21	T.				T	.24	.25	T	.58			T					.26	
Hindman K		.03					.29		.02		.20	.05	.15		.09		.10				.13		.78								.26	
Jenkins K	.43	T				.14	.36	.25			.30	.15	.11		.06		.17			.19		.15			.43					.37	
Louisa K		.28	.03	.01			.02	.28			.38	.07	.42	.03	.02	.26	.12				.22		.05		.56	.87	T.			.03	
Maysville B			.00				.32						.32		.06	.10		.11			.32		.05			.54	.04	.02		.10	
Middlesboro C	.20						.45	.07	T.		.18	T	.01	T	.09	T	.15			.03	.26		.96	T.		.01	T	T			
Mount Sterling L	.11	T.		T.		.41	.72				.40		.05		.15							.05	.55			.22				.29	
Oneonta Dam 35 O		T.	T.				.65	T.		T.	.07	.10	.04		.23	.07				.04		1.30	.14		.03	.21	.05		.22	.02	
Pikeville K		.12	.10				18	.12			.22		.11		.11		.14			.10		.81	T							.02	
Prestonsburg B											.08	.04	.10		.10	T					.08		.44			.38				.06	
Quicksand K		.22	T.																												
Raccoon, Lock No. 12 K		T.	T.		T.	.25	.10	T.			.20	T	.31		.15	T.				.28	T.	.93			.50	T	T.			.26	
Richmond K						.35	.10	T.			.15	T.	.08	T	.12	T				.15		.82			.22	T	.05			.25	
Sargent K						.05	.02	T				.04	.19		.10	.06				.08		.80	.40		.02	.18				.13	
Valley View, Lock No. 9 K	.26				.11			.26	.02			.60	.20		.05	.03	.15			.18		.14	.51		.03	.55				.24	
Vanceburg, Dam No. 32 O		.04				.40	.06	.02		.05	.02	.25			.20	.24				.03		1.63	.12		.14		.04		.50	.20	
Wayland L	.46					.45	.04			.15	.04		.07		.02	.20				.12		.02	1.00							.10	
Whitesburgl K																															
Williamsburg K	.02	.50	.03	T.			.50			T	.20	.30		.06	T	.01				.20		.06			.24				.01	
Willow, Lock No. 13 K		.40				.35				.28	.01	.22		T.	T																
						.25				.18	T	.14		.09	T.					.17		.78			.28					.37	

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Daily Temperatures for March, 1926.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	60	45	37	39	40	44	45	47	52	50	49	43	41	42	43	59	59	76	70	65	66	67	69	77	68	50	45	56	62	61	57	54.3
	Minimum	41	26	16	20	28	20	31	19	18	30	33	36	15	16	17	26	24	36	49	49	50	48	60	64	69	76	66	43	38	49	51	55	55	51.4
	Maximum	54	41	38	41	42	44	43	43	51	49	46	43	29	36	43	61	58	71	69	62	66	64	69	76	66	43	38	49	51	55	55	53.7
Blandville	Minimum	41	36	18	23	23	34	31	26	28	38	31	29	21	18	31	28	28	45	51	49	38	48	42	50	42	30	26	30	36	44	50	b51.4
	Maximum	60	45	31	35	40	42	45	36	51	49	47	42	39	35	41	59	58	74	71	66	61	65	68	77	..	..	38	48	58	54	56	b51.8
Calhoun	Minimum	42	25	18	23	22	30	32	25	21	30	35	37	21	17	30	26	25	36	47	48	39	45	41	40	..	..	26	24	27	44	32	51.3
	Maximum	61	54	36	38	42	56	48	37	52	53	48	43	36	39	43	60	58	70	69	67	69	63	69	78	72	44	40	50	60	56	57	53.3
Earlington	Minimum	31	25	18	19	20	35	32	27	20	33	35	36	20	19	30	27	24	44	54	50	43	47	43	51	42	32	25	23	27	44	35	53.7
	Maximum	61	50	34	39	42	43	46	43	53	52	50	46	44	37	43	60	59	74	70	67	61	63	68	79	68	47	40	50	60	56	57	53.3
Greenville	Minimum	40	25	15	19	21	28	28	25	18	30	33	35	19	12	30	25	24	42	51	48	39	45	41	47	43	31	22	22	28	42	30	32.6
	Maximum	60	47	36	46	45	43	46	41	53	50	46	48	40	41	46	61	62	78	73	69	65	65	71	80	70	46	41	48	63	60	57	54.6
Hopkinsville	Minimum	43	26	15	19	20	29	30	24	19	33	32	33	19	13	21	25	26	33	49	50	38	47	40	44	40	31	23	24	30	41	30	30.5
	Maximum	59	52	33	35	36	43	45	37	44	52	49	45	41	34	38	48	51	74	71	68	59	62	64	75	76	46	38	44	56	59	56	51.7
Marion	Minimum	41	26	18	22	21	30	30	25	23	40	34	34	19	15	30	26	25	44	49	48	37	49	41	49	43	30	25	27	34	43	30	32.5
	Maximum	60	50	41	41	43	44	41	45	45	47	47	44	36	34	46	59	59	68	68	63	60	63	67	..	..	..	..	..	..	..	..	b50.9
Mayfield	Minimum	41	29	19	23	24	33	30	26	26	39	35	34	20	20	34	24	27	44	51	52	39	49	42	48	..	..	..	..	..	..	..	c33.7
	Maximum	53	42	41	35	39	41	44	46	48	49	53	44	35	33	37	58	55	71	68	66	61	62	62	75	68	43	37	48	54	52	51	50.5
Owensboro	Minimum	36	21	16	19	20	28	29	22	20	31	33	30	18	17	27	22	25	36	41	45	36	42	37	44	41	29	25	23	27	42	29	29.4
	Maximum	62	48	41	43	45	44	47	45	54	51	47	45	39	36	46	64	64	74	75	71	64	66	70	77	70	44	44	51	60	53	57	54.5
Paducah (near)	Minimum	42	28	20	20	23	33	31	26	25	37	36	33	21	18	31	27	27	43	51	50	38	47	42	50	41	32	25	28	31	43	30	33.2
	Maximum	56	46	34	38	42	44	46	39	51	47	47	43	27	36	42	60	60	72	68	61	62	60	68	76	69	42	40	46	57	55	55	51.3
Princeton	Minimum	40	24	18	20	22	32	32	25	21	32	34	27	20	15	30	24	25	33	51	47	38	47	39	42	42	31	25	24	28	43	30	31.0
	Maximum	..	..	..	..	..	..	..	..	56	50	46	44	30	37	42	57	59	..	..	..	..	..	..	73	76	47	41	39	51	62	56	37	e50.2
Russellville§§	Minimum	31	..	16	..	..	..	..	..	..	33	33	20	14	29	27	24	26	..	..	..	..	..	..	..	..	44	35	25	23	29	32	36	e28.7
Central Division.																																	
Anchorage	Maximum	49	35	34	33	36	44	43	29	45	50	43	37	29	36	35	49	53	..	68	52	54	55	63	75	63	43	36	40	60	54	55	*46.6
	Minimum	35	20	14	15	16	25	28	20	14	25	35	28	16	12	28	19	26	..	42	42	37	42	39	38	42	31	26	20	28	37	30	27.5
	Maximum	56	44	38	36	39	48	45	30	48	50	50	43	38	38	38	50	56	74	70	56	58	58	65	76	67	48	38	51	62	60	56	51.4
Bardstown	Minimum	41	20	13	18	17	26	29	22	15	28	35	34	17	11	28	14	28	39	49	52	38	39	44	47	33	23	21	25	43	32	29	29.2
	Maximum	56	46	35	39	44	45	38	37	53	52	48	45	42	39	44	58	61	76	72	65	65	62	70	80	78	68	46	54	64	60	56	54.3
Bowling Green	Minimum	37	25	16	18	19	23	26	27	18	29	32	25	19	14	30	26	28	42	48	38	40	40	46	41	35	24	21	30	40	31	31	29.8
	Maximum	57	43	34	32	38	46	45	33	44	49	47	41	35	36	34	44	55	71	70	64	55	57	61	74	72	46	38	49	58	56	58	49.7
Dix Dam	Minimum	42	20	15	18	16	25	30	21	20	25	35	33	14	12	28	21	29	32	37	45	36	39	42	40	47	28	23	23	26	40	31	28.8
	Maximum	54	48	49	44	50	44	40	40	44	48	46	46	40	30	54	54	56	57	70	68	63	58	69	74	74	64	60	56	60	46	48	53.4
Elkhorn	Minimum	36	20	34	35	24	26	31	23	16	26	32	18	13	10	21	26	31	36	44	41	36	37	37	46	32	33	23	19	28	28	32	28.8
	Maximum	54	41	33	33	36	47	45	34	44	50	49	42	36	36	36	45	51	70	70	67	54	54	61	75	74	47	39	46	57	55	57	49.6
Frankfort	Minimum	40	20	16	19	18	25	32	22	20	27	36	34	15	14	28	22	31	32	38	45	38	37	41	40	46	38	27	24	26	39	33	29.8
	Maximum	..	..	34	35	38	40	37	39	52	50	50	45	39	38	44	59	63	84	72	70	70	64	79	81	66	47	47	38	70	65	55	*54.2
Franklin	Minimum	..	22	..	..	..	29	23	25	..	30	41	30	19	16	30	29	25	35	46	37	36	38	40	40	..	29	23	24	34	35	32	*30.5
	Maximum	56	43	36	39	40	42	45	39	49	49	48	44	39	40	41	54	60	72	70	62	60	60	65	78	69	42	36	51	59	61	56	51.8
Glasgow	Minimum	36	22	11	17	20	21	30	26	17	34	31	35	16	14	12	27	26	43	46	44	39	45	40	46	39	29	24	22	35	42	32	29.7
	Maximum	57	43	35	36	40	44	46	36	46	49	47	45	41	37	39	53	55	70	61	60	60	60	63	75	69	46	37	48	61	63	58	51.0
Greensburg	Minimum	41	21	14	15	16	24	30	25	14	23	31	34	17	11	28	23	22	29	34	45	37	37	39	41	44	32	23	18	26	40	31	27.9
	Maximum	51	40	32	35	38	42	44	33	47	49	46	39	32	36	39	55	54	71	67	60	56	59	63	75	69	48	37	48	58	55	41	49.1
Irvington	Minimum	37	21	16	19	19	28	30	20	19	33	35	32	18	17	29	23	28	41	55	47	38	40	40	46	41	30	26	25	29	42	31	30.8
	Maximum	57	40	36	34	40	47	38	33	47	48	44	38	38	38	38	55	56	73	70	60	61	57	76	69	70	61	48	51	61	62	50	51.1
Junction City	Minimum	39	19	14	19	25	26	27	23	16	25	34	30	22	23	31	25	28	31	50	42	37	32	40	39	35	32	25	18	24	34	29	28.8
	Maximum	54	41	35	34	38	42	44	35	47	48	47	41	39	36	37	55	59	74	68	63	59	58	65	77	70	42	37	49	59	56	56	50.5
Leitchfield	Minimum	41	21	15	19	20	28	30	24	18	30	32	35	18	15	19	25	26	40	42	49	31	42	40	45	42	30	25	24	32	43	32	30.1
	Maximum	52	27	30	29	35	47	43	25	41	48	40	35	22	33	32	43	51	68	65	55	52	58	58	72	61	43	32	45	54	57	56	45.4
Lexington	Minimum	27	16	12	18	15	24	24	18	19	35	34	17	12	11	16	27	23	29	40	48	36	35	41	39	47	37	27	25	26	33	42	28.0
	Maximum	52	30	34	31	35	44	43	27	46	49	43	38	27	34	37	52	52	70	66	59	53	57	64	76	63	41	36	46	56	58	57	47.6
Louisville	Minimum	39	17	16	21	19	27	27	19	22	33	35	23	17	19	28	27	30	46	53	41	36	40	41	51	41	30	27	25	32	42	30	30.5
	Maximum	53	42	33	33	35	42	42	33	45	49	48	42	35	35	37	49	53	71	69	66	54	55	63	76	75	44	36	47	55	56	56	49.3
Louisville Cherokee Park	Minimum	38	18	16	20	18	25	31	20	20	30	34	34	16	17	28	25	29	41	49	44	36	37	40	41	46	33	27	25	27	43	31	30.3
	Maximum	56	41	36	38	38	41	44	33	49	47	47	46	38	35	39	53	53	74	72	69	59	57	67	78	68	50	48	48	59	48	36	50.0
St. John	Minimum	40	19	11	21	17	26	29	23	16	27	27	22	16	13	28	25	30	40	41	44	37	41	40	42	34	30	26	24	33	32	29	28.6
	Maximum	49	28	21	29	32	46	42	28	42	50	46	38	27	32	32	45	53	71	68	65	55	52	58	73	68	47	34	42	56	54	55	46.0
Scott	Minimum	38	17	12	16	14	23	28	16	17	26	33	25	11	10	24	19	21	39	41	41	35	32	40	38	42	33	27	26	36	49	55	28.0
	Maximum	52	36	37	33	36	47	44	34	47	51	47	42	35	39	39	48	53	73	70	65	55	55	63	78	68	47	36	49	59	58	58	48.5
Shelbyville	Minimum	27	18	14	16	16	25	27	19	16	28	34	29	12	13	27	20	26	35	44	41	35	42	38	40	40	32	25	22	26	40	29	26.5
	Maximum	53	42	34	33	34	44	44	34	44	49	46	40	35	35	35	52	52	71	66	62	55	56	62	75	69	44	35	47	55	54	56	47.6
Taylorsville	Minimum	30	20	16	17	16	25	25	22	17	26	26	35	16	13	29	19	27	30	36	45	37	37	37	36	43	35	28	22	24	41	32	27.8
	Maximum	49	38	30	30	34	45	42	31	41	50	45	37	29	34	34	45	48	69	67	62	50	51	58	73	69	47	40	44	55	53	55	46.9
Williamstown	Minimum	37	16	11	16	14	21	28	17	16	28	32	27	11	9	26	21	26	38	47	42	35	39	42	45	37	27	22	29	35	29	29	27.5
Eastern Division.																																	
	Maximum	60	50	32	32	32	48	48	34	43	50	55	41	30	34	34	34	46	68	70	70	50	51	57	75	74	54	46	45	58	61	61	49.6
Ashland	Minimum	44	22	16	20	17	19	34	23	21	25	35	29	16	12	26	22	25	30	35	40	38	36	43	37	53	34	31	25	25	37	30	29.3
	Maximum	58	44	36	38	41	52	48	38	46	52	45	42	36	38	35	45	57	72	72	56	63	56	61	76	69	49	40	51	62	64	57	51.8
Beattyville	Minimum	38	21	17	18	13	18	35	25	23	21	36	34	16	4	28	24	27	26	32	44	40	32	43	37	54	44	35	29	35	48	59	28.5
	Maximum	51	40	32	32	38	48	45	32	42	51	45	39	34	35	33	46	54	70	68	60	57	56	59	74	68	45	35	48	59	63	58	48.9
Boyd	Minimum	36	20	15	17	14	26	32	23	22	30	34	32	12	6	27	25	28	39	46	44	37	41	40	48	42	35	26	20	26	41	31	29.6
	Maximum	56	46	35	35	36	51	50	34	45	53	51	41	35	40	38	55	55	70	74	71	58	54	60	77	75	51	45	52	63	57	61	52.1
Farmers	Minimum	39	17	12	16	14	23	28	16	17	26	33	25	11	10	24	19	21	39	41	41	35	32	40	38	42	33	27	26	36	17	18	28	33	25.5
	Maximum	49	45	40	37	42	46	50	45	42	43	50	..	42	40	35	40	56	..	69	65	..	..	..	..	..	55	..	..	45	40	56	57	..	f47.1
Harlan	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Maximum	50	45	32	33	36	54	49	36	40	51	45	41	36	38	35	41	51	69	70	56	60	67	57	73	64	50	38	48	60	69	63	50.2
Hindman	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Maximum	54	47	32	31	35	50	46	34	44	51	49	40	31	35	35	37	56	69	70	68	51	52	59	74	72	46	43	45	57	57	59	49.1
Maysville	Minimum	40	20	10	19	19	17	32	22	22	23	35	30	16	9	27	26	19	31	39	43	36	29	51	36	44	37	29	21	23	31	31	28.0
	Maximum	56	45	42	41	42	44	52	48	46	50	49	43	41	40	36	44	56	69	68	69	60	74	69	82	61	78	72	66	60	58	65	60	55.0
Middlesboro	Minimum	46	23	14	14	15	23	34	26	19	20	30	23	15	16	25	18	25	28	27	29	32	50	43	41	32	34	25	16	22	30	34	27.0
	Maximum	54	42	30	32	35	44	35	32	42	42	42	38	26	36	32	41	52	70	71	51	55	54	58	75	70	48	34	46	50	47	56	47.4
Mount Sterling	Minimum	40	26	14	18	15	21	30	20	21	28	34	27	13	6	26	20	27	38	40	38	38	35	40	42	40	36	25	20	27	36	28	28.1
	Maximum	54	46	36	33	40	53	50	36	45	52	45	41	37	40	35	42	56	72	72	65	63	57	60	76	71	49	42	51	63	67	65	*52.1
Owingsville	Minimum	36	16	18	14	11	19	35	24	24	22	38	35	16	4	27	24	27	31	33	37	40	32	44	35	46	34	28	22	24	34	35	28.0
	Maximum	55	43	35	32	41	46	34	37	44	50	47	40	35	32	34	42	56	71	69	63	60	56	60	74	69	47	42	50	60	55	50	49.3
Richmond	Minimum	40	26	16	18	16	23	25	22	21	35	33	13	20	28	22	29	40	46	45	47	36	40	45	47	36	26	23	24	34	39	30	30.4
	Maximum	51	46	35	35	41	55	54	43	43	55	..	..	..	39	41	55	71	70	69	65	68	60	75	74	56	48	52	68	68	66	68	*27.6
Stanford	Minimum	33	24	16	18	15	21	30	25	21	24	25	..	20	7	24	21	29	26	31	35	40	35	44	36	41	32	28	24	31	31	38	28.5
	Maximum	55	40	38	42	45	43	51	40	48	53	59	45	40	42	39	38	57	72	72	67	70	65	63	79	75	62	46	55	62	65	58	54.3
Williamsburg	Minimum	40	25	16	18	19	23	36	28	20	23	32	34	16	9	30	30	27	30	31	41	40	38	43	41	47	33	25	19	26	33	29	29.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from record.

W. P. Lawrence, 1439-26-950

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., APRIL, 1926. No. 4

GENERAL SUMMARY.

Temperatures almost continuously below normal so retarded growth that at the close of the month vegetation was two to three weeks behind its usual stage in a normal season. Except peaches the blooming of fruit was delayed until after the time of severe freezes. Some peach buds opened during the second week, and were killed by temperatures ranging from 23° to 32° in the period 16-20th. In most localities, however, enough buds remained comparatively dormant and opened later to give promise of a light crop of peaches. Other fruit bloom was unusually heavy. In the first two weeks frequent showers kept the soil wet, hence plowing, gardening, and early planting remained almost at a standstill. In the last two weeks, which were fairly dry, the well drained soils could be worked. Plowing progressed rapidly in southern and western counties, but rains caused further delay in central and northern districts. Wheat and rye stooled readily during the damp cool weather, resulting in decided improvement. On account of the persistent low temperature, the growth of bluegrass, clover, alfalfa, and timothy depended more than usual on exposure and character of the soil. On the warmer limestone and sandy soils these crops, especially alfalfa, grew fairly well; but on the heavier and colder lands they remained dwarfed and backward. Potato planting and oats sowing were not completed until the last week. Many tobacco plant beds were sown after the 1st, which is much later than desirable. Plants came up during the last two weeks, but they grew very slowly. Because temperatures were too low to insure germination, farmers refrained from corn and cotton planting until late in the month, when a beginning was made in the southwestern counties. Planting became quite general in that section during the last week, but did not extend to the northern districts. Little attention was given to domestic gardens until the last week. Considerable new clover, killed by freezes late in March or early in April, was resown during the first two weeks. Only dry upland or hillside pastures furnished satisfactory grazing.

TEMPERATURE.

The average temperature for the State, based on reports from 44 stations, was 51.6°, which is 4.3° below normal and among the low records for April. Freezing temperatures were reported from one or more stations on 20 days. Minimum temperatures were not lower than often occur in April, but it was the persistence of low readings, maximum as well as minimum, that gave the month its inclement character. Extremes for the State were 87° at Bowling Green on the 30th and 16° at Farmers on the 29th.

PRECIPITATION.

The average precipitation for the State, 77 stations reporting, was 3.17 inches, which is 0.86 inch less than normal. It was heaviest in the extreme northern and a few western counties, where amounts ranged between 4.0 and 6.0 inches, and were somewhat in excess of normal at some stations. In the other agricultural districts from 2.0 to 4.0 inches occurred, while in the eastern mountain region the total was generally less than 2.0 inches. Light rain occurred on the 1st, 3d, 18-19th, 22d, 24th, and 28th; and moderate to heavy rains in the periods 6-9th and 11-13th. Snow flurries occurred at many northern and central stations on the 18th. Thunderstorms were reported on the 2d, 3d, 6th, 11th, 22d, 23d, and 28th. Light hail occurred at Blandville on the 23d. Precipitation extremes were 6.14 inches at Scott and 1.54 inches at Lexington.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. In inches reduced to sea-level. Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity	Max. Velocity. Miles per hour	Direction	Date
Cairo ..... Ill.	30.04	30.[illegible]	19	29.72	7	7889	10.9	40	SW.	27
Cincinnati ..... Ohio	30.04	30.14	19	29.59	8	7704	10.3	46	SW.	24
Evansville ..... Ind.	30.07	30.51	19	29.67	8	9080	12.6	48	W.	28
Lexington ..... Ky.	30.04	30.42	20	29.55	8	9656	13.5	50	SW.	27
Louisville ..... Ky.	30.05	30.47	19	29.56	8	8867	12.3	36	E.	14

[illegible] any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine	No. of hours possible.	Percentage of possible	Number of days with. 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	74	54	54	270.4	394.8	68	14	4
Cincinnati ..... Ohio	71	51	66	175.2	397.1	44	7	11
Evansville ..... Ind.	68	51	54	252.8	398.1	64	14	7
Lexington ..... Ky.	74	62	.....	171.2	396.1	43	7	14
Louisville ..... Ky.	69	59	63	233.8	398.1	59	12	5

COMPARATIVE DATA FOR APRIL.

Year	Temperature. Monthly average	Departure from 35-year normal	Highest	Lowest	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01in or more rain.
1889	57.6	+ 1.1	86	34	1.61	−2.42	
1890	57.0	+ 1.1	92	34	4.64	+0.61	
1891	58.0	+ 2.1	92	34	2.50	−1.51	
1892	56.0	+ 0.1	86	34	2.12	−1.89	
1893	58.0	+ 2.1	94	34	6.96	+2.96	
1894	56.0	+ 0.1	92	34	3.58	−0.49	
1895	57.2	+ 1.3	93	34	3.13	−0.85	
1896	55.6	− 0.3	96	34	1.60	−2.38	
1897	57.4	+ 1.5	93	34	5.50	+2.00	
1898	57.4	+ 1.5	92	34	3.75	+0.25	
1899	56.2	+ 1.3	96	34	2.15	−1.35	
1900	56.2	+ 1.3	94	34	2.25	−1.25	
1901	54.9	− 0.0	90	34	2.15	−1.35	
1902	54.2	− 0.7	87	34	4.85	+1.38	
1903	54.1	− 0.8	87	34	4.25	+0.40	
1904	56.1	+ 1.2	91	34	1.60	−2.63	
1905	54.3	− 0.6	88	34	2.00	−1.03	
1906	56.1	+ 1.2	92	34	1.40	−2.63	
1907	54.2	− 0.7	87	34	2.37	−1.25	
1908	56.1	+ 1.2	92	34	2.77	−0.53	
1909	56.1	+ 1.2	92	34	5.14	+1.11	
1910	53.4	− 1.5	91	34	2.62	−1.03	
1911	55.7	+ 0.8	92	34	6.87	+3.87	
1912	55.7	+ 0.8	92	34	3.50	−1.30	
1913	55.7	+ 0.8	92	34	4.62	−0.41	
1914	53.4	− 1.5	91	34	2.16	−3.07	
1915	55.7	+ 0.8	92	34	3.61	−1.39	
1916	54.1	− 0.8	91	34	5.00	+0.00	
1917	54.1	− 0.8	91	34	4.97	+0.04	
1918	56.1	+ 1.2	92	34	3.51	−1.52	
1919	56.1	+ 1.2	92	34	6.16	+2.13	
1920	54.1	− 0.8	91	34	4.09	+0.06	
1921	54.1	− 0.8	91	34	1.95	−2.08	
1922	54.1	− 0.8	91	34	4.45	+0.42	
1923	54.1	− 0.8	91	34	3.50	−0.53	
1924	54.1	− 0.8	91	34	4.03	+0.00	
1925	54.1	− 0.8	91	34	3.57	−0.46	
1926	51.6	− 4.3	87	16	3.17	−0.86	

Climatological Data for April, 1926.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	22	52.5	— 3.4	78	6†	25	4	38	4.20	+0.08	1.80	0	10	15	6	9	w.	Mrs. Lena F Taylor.
Blandville	Ballard	445	44	52.8	— 4.6	81	30	29	1	37	4.30	−0.23	2.01	0	9	9	9	12	sw.	E. W. Horr.
Calhoun	McLean	437	22	52.8	— 5.6	83	30	29	4[a]	37	4.12	−0.47	2.01	0	10	8	18	4	nw.	W. A. Taylor.
Earlington	Hopkins	420	36	54.2	— 3.1	84	30	25	4	41	3.97	−0.40	1.50	0	10	18	2	10	sw.	Brick Southworth.
Greenville	Muhlenburg	519	9	[b]54.2	.....	84[b]	30	27[b]	4†	42[c]	3.96	−0.91	1.95	.....	12	13[b]	13[b]	2[b]	s.	C. R. Lovell.
Hopkinsville	Christian	524	30	54.5	— 2.8	86	30	26	1	42	2.72	−1.68	1.21	0	8	18	7	5	se.	W. E. Graves.
Marion	Crittenden	571	28	53.8	— 3.5	80	30	27	1	37	2.48	−2.10	0.64	0	6	11	9	10	nw.	B. C. Paris.
Mayfield	Graves	364	17	56.2	1.0	83[c]	6	27[c]	4	38[c]	2.70	−1.85	1.10	.....	7	10[c]	11[c]	6[c]	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	0	[a]55.4	.....	84	30	20[a]	4	48[a]	2.73	.....	1.35	0	4	16	6	8	s.	Harry B. Arnold
Owensboro	Daviess	479	29	50.9	— 4.6	83	30	27	1	38	3.71	−0.35	1.80	0	11	11	8	11	nw.	Henry S. Berry.
Paducah (near)§	McCracken	516	9	54.5	.....	83	30	28	1	39	3.45	.....	1.25	0	8	19	4	7	ne.	J. W. Lilley
Paducah	McCracken	341	37	.....	.....	.....	.....	.....	.....	.....	4.03	−0.30	1.40	0	9	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	19	52.6	— 6.5	83	30	26	1	41	4.37	+0.37	1.72	T.	10	12	9	9	n.	Dr. W. L. Cash.
Rumsey, Lock 2‡	McLean	384	9	.....	.....	.....	.....	.....	.....	.....	3.73	−0.49	1.95	0	9	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	15	51.8	— 6.2	83	30	26	4	38	3.10	−1.74	1.27	0	9	15[a]	1[a]	13[a]	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	25	[a]48.6	— 4.6	82	30	21[a]	4	38[a]	3.17	−0.83	1.16	T.	10	16	12	2	sw.	C. E. Barret.
Bardstown	Nelson	657	29	51.8	— 3.8	83	30	23	20	43	2.53	−1.45	0.56	.....	9	12	1	17	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	560	37	54.3	— 3.8	87	30	27	4	42	3.22	−1.04	1.44	0	8	14	10	6	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	1	.....	.....	.....	.....	.....	.....	.....	4.01	.....	1.22	0	8	.....	.....	.....	.....	J. Frank Thomas.
Bowling Green, No. 3	Warren	410	9	.....	.....	.....	.....	.....	.....	.....	3.93	−1.14	1.36	T.	8	.....	.....	.....	.....	Virgil M. Windin.
Brownsville, Lock 6‡	Edmonson	773	35	.....	.....	.....	.....	.....	.....	.....	3.39	−0.81	1.30	0	7	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	422	27	.....	.....	.....	.....	.....	.....	.....	5.27	+2.09	1.36	.....	13	.....	.....	.....	.....	Charlie Oliver.
Carrollton, Lock 1	Carroll	422	12	.....	.....	.....	.....	.....	.....	.....	3.67	−0.38	2.31	T.	10	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	422	12	.....	.....	.....	.....	.....	.....	.....	5.96	.....	1.31	0.2	11	.....	.....	.....	.....	W. L. Patchell.
Cold Spring, Dam 36	Campbell	489	0	.....	.....	.....	.....	.....	.....	.....	2.69	.....	0.64	T.	11	12[b]	6[b]	10[b]	s.	Geo. Henry Ellis.
Dix Dam, Burgin	Mercer	770	2	[a]49.8	.....	80[c]	46	24[c]	4†	40[b]	3.51	−0.39	1.00	0	9	11	9	10	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	32	51.4	— 2.9	79	30	24	20	40	2.95	−0.78	0.82	T.	10	14	4	12	w.	Sidney Wood.
Frankfort	Franklin	560	34	51.0	— 4.3	81	30	25	4	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jos.H. Blewett
Franklin	Simpson	691	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Albert Purvis.
Gest, Lock 3	Henry	449	15	.....	.....	.....	.....	.....	.....	.....	3.77	−0.18	1.20	.....	13	.....	.....	.....	.....	Dr. Fidelia Edwards.
Glasgow	Barren	780	5	53.8	.....	82	30	27	4	41	2.83	.....	1.00	0	7	20	4	6	s.	Bert Ross.
Grant, Dam 38	Boone	506	1	.....	.....	.....	.....	.....	.....	.....	5.67	.....	1.49	0	13	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	33	50.8	— 4.4	80	30	23	4†	46	2.60	−1.25	0.62	0	12	9	3	18	n.	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	550	24	.....	.....	.....	.....	.....	.....	.....	2.34	−1.42	0.51	T.	9	.....	.....	.....	.....	W. J. Pigg,ott.
Irvington	Breckenridge	646	28	51.0	— 4.5	81	30	28	4	36	3.71	−0.31	2.05	0	7	11	8	11	sw.	William E. Grubbs.
Junction City	Boyle	985	32	50.6	— 4.3	81	30	28	4†	46	3.86	−0.08	0.76	T.	14	13	13	4	sw.	L. J. Vanbook.
Lancaster	Garrard	1032	0	.....	.....	.....	.....	.....	.....	.....	2.26	.....	0.74	0	10	.....	.....	.....	.....	H. H. Willis.
Leitchfield	Grayson	635	30	51.9	— 3.5	83	30	27	4	38	2.70	−1.68	1.05	0	8	12	12	6	s.	U. S. Weather Bureau.
Lexington	Fayette	989	42	49.6	— 5.3	78	30	26	4	36	1.54	−1.80	0.43	T.	11	10	9	11	sw.	Horace Canter.
Little Rickman, Lock 8[a]	Jessamine	523	15	.....	.....	.....	.....	.....	.....	.....	2.87	−0.72	0.90	0	10	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Henry	476	16	.....	.....	.....	.....	.....	.....	.....	3.99	−0.31	1.58	0	12	.....	.....	.....	.....	U. S. Weather Bureau
Louisville	Jefferson	525	53	50.2	— 6.2	81	30	30	4	38	4.30	+0.23	1.66	T.	11	10	7	13	ne.	Wm. I. Hunt.
Do (Cherokee Park)	Do.	534	16	51.2	— 4.9	81	30	26	4	39	3.32	1.14	.....	T.	12	12	5	13	n.	C. R. Richardson.
Manfordville	Hart	600	1	.....	.....	.....	.....	.....	.....	.....	2.50	.....	0.60	0	11	.....	.....	.....	.....	Sisters of Loretto
St. John	Hardin	777	30	50.0	— 4.6	83	30	[a]25	4	38	2.91	−1.27	1.05	0	10	17	4	9	.....	Ernest M. Searcy.
Salvisa, Lock 6[a]	Mercer	490	12	.....	.....	.....	.....	.....	.....	.....	3.46	−0.31	0.82	T.	10	.....	.....	.....	.....	E. B. Wilson.
Scott¶	Kenton	900	28	48.1	— 5.0	80	30	25	4	34	6.14	+2.96	1.65	0	11	7	11	12	w.	Mrs. W. T. Miller.
Shelbyville	Shelby	825	37	50.0	— 4.7	83	30	23	4	42	3.08	−0.64	0.91	0	10	12	5	13	w.	E. D. Bourne.
Taylorsville	Spencer	489	24	49.2	— 5.3	81	30	24	4†	43	2.35	−2.02	0.89	0	10	13	8	9	sw.	H. K. Vaughn.
Tyrone, Lock 5[a]	Anderson	526	8	.....	.....	.....	.....	.....	.....	.....	4.56	−1.23	1.07	T.	13	8	9	13	nw	Mrs. E. S. Humlong
Williamstown	Grant	943	23	[a]49.1	— 3.7	80[d]	30	23	4	36[d]	3.41	−1.13	1.91	0	9	.....	.....	.....	.....	J. C. Stinson.
Woodbury, Lock 4‡	Butler	533	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ashland	Boyd	534	9	50.4	— 5.4	82	30	25	20	46	2.62	−0.71	0.54	T.	13	9	1	20	w.	Curtis Purvis.
Beattyville	Lee	650	22	50.7	— 3.8	84	30	22	20	50	2.33	−1.82	0.67	0	14	8	9	13	sw.	Robert S. Smallwood.
Berea	Madison	1070	24	50.5	— 4.8	80	30	24	4†	38	2.94	−0.75	0.98	0	10	4	15	11	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	601	16	.....	.....	.....	.....	.....	.....	.....	2.99	−0.27	0.80	0	10	.....	.....	.....	.....	Kelly Walden.
Cynthiana	Harrison	684	8	.....	.....	.....	.....	.....	.....	.....	1.90	.....	0.48	T.	11	.....	.....	.....	.....	P. H. Kebor.
Falmouth	Pendleton	600	37	.....	.....	.....	.....	.....	.....	.....	3.87	+0.47	0.80	0	12	10	10	10	se.	J. V. Oldham.
Farmers	Rowan	668	18	48.7	6.0	81	30	16	20	52	2.08	−2.02	0.65	.....	4	9	9	12	e.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	841	1	.....	.....	.....	.....	.....	.....	.....	2.82	.....	0.70	.....	7	.....	.....	.....	.....	C. A Glascock
Ford, Lock 10[a]	Clark	593	10	.....	.....	.....	.....	.....	.....	.....	2.36	−1.57	0.67	0	10	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	1	.....	.....	.....	.....	.....	.....	.....	1.63	.....	0 88	T.	10	.....	.....	.....	.....	c/o Frank Powers.
Greenup, Dam 30	Greenup	540	6	.....	.....	.....	.....	.....	.....	.....	2.54	.....	0.60	.....	13	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Agnes Farley
Hazard	Perry	869	2	.....	.....	.....	.....	.....	.....	.....	1.98	.....	0.52	0	10	.....	.....	.....	.....	Chas A. Ihrig.
Heidelberg, Lock 14	Lee	664	9	.....	.....	.....	.....	.....	.....	.....	2.39	−0 39	0.78	0	12	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	1	[a]50.0	.....	81[a]	30	20[c]	2	49[b]	2.40	.....	0.87	0	10	18	7	5	nw.	Miss Lake Napier.
Jenkins	Letcher	1506	1	.....	.....	.....	.....	.....	.....	.....	2.08	.....	0.48	.....	11	.....	.....	.....	.....	R. R Davidson.
Louisa	Lawrence	584	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	29	49 4	4.7	81	30	23	20	39	2.85	−0.58	0.75	0	13	7	5	18	s.	Perry E. Bennett
Middlesboro	Bell	1128	30	53.2	3 4	85	30	21	20	51	2.48	−2.31	0.85	0	8	21	5	4	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	36	49 2	4.4	80	30	24	4	39	2.61	−1.31	0.71	0	10	14	5	11	w.	W. R McKee.
Oneonta, Dam 35	Campbell	497	4	.....	.....	.....	.....	.....	.....	.....	5.45	.....	2.19	0	8	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	20	.....	.....	.....	.....	.....	.....	.....	1.66	−1.92	0.46	0	6	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. C. Holt
Quicksand	Breathitt	732	1	[a]52.0	.....	84[a]	30	23[a]	4†	49[a]	2.00	.....	0.56	0	7	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	8	.....	.....	.....	.....	.....	.....	.....	1.99	.....	0.53	.....	6	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	35	52 2	3.3	81	6†	26	4	40	3.23	0.38	1.15	0	11	15	3	12	.....	J. W. Crooke
Sergent	Madison	341	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mary Rockwell.
Valley View, Lock 9	Lewis	525	11	5	.....	.....	.....	.....	.....	.....	3.49	+0.13	0.98	.....	12	.....	.....	.....	.....	Thos Sullivan.
Vanceburg, Dam 32	Floyd	700	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Samuel Johnson.
Wayland	Letcher	1142	1	.....	.....	.....	.....	.....	.....	.....	1.85	.....	0.70	0	8	.....	.....	.....	.....	.....
Whitesburg	Whitley	920	29	53.6	2 1	84	30	24	20	49	3.43	0.85	1.18	T.	8	20	5	5	.....	G. H. Zimmerman.
Williamsburg	Lee	611	7	.....	.....	.....	.....	.....	.....	.....	1.92	.....	0.55	.....	6	.....	.....	.....	.....	Lawrence R. Vhl.
Willow Lock 13																				Shelby Angel.
State averages and extremes				51.6	.....	87	30	16	20	52	3.17	.....	2.31	T.	40	13	7	10	sw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, ", ', °, appearing in the table indicate number of days missing; for example, 2 represents two days, etc. §Lone Oak.

T Precipitation is less than 0.01 inch rain or melted snow.

† Also on other dates. †† Received too late to be included in means and summaries. ¶ Scott, Covington, Ky.

*Postoffice addresses — Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Lock 13, Shelbyville, Ky.

MISCELLANEOUS.

April 23.—A residence was destroyed by fire resulting from lightning near Paris.

Rivers.—A moderate rise occurred in the Ohio during the second and third weeks, and in the Green on the 9th and 10th, otherwise stages were generally lower than usual in this month.

Error. Monthly mean maximum temperature at Harlan should be 47 2 instead of 47 1.

Daily Precipitation for April, 1926

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	.55		.40					1.80	.10		.25	.25	.15																			
Blandville		.42		T.	.01		2.01				.32	.33	.03					T				.72	.37				.69					
Calhoun	.01		.34		.01		.20	2.01			.55	.33	T.					T.				.26	.03				.44					
Carlington			.46		T.			1.50	.08		.32	.27	.32		.02				T.				.61	.02								
Greenville			.38				.10	1.98			.15	.55	.05		.06			.03				.15	.15	.18				.18				
Hopkinsville			.41					1.21	.11		.02	.39	T.		T.								.17	.21				.20				
Marion		T.	T.				.50				.50	.64										.30		.12		T	.42				
Mayfield		*						1.10			.20	.40										.45	.25	.25							
Murray			.50					1.35			.28												.60								
Owensboro			.45	T.	.03		1.80	.14			.52	.10	.21							.02			.15	.62	T		.23				
Paducah (near) ¶			.25					1.25			.35	.50										.55	.15	.25			.15				
Paducah			.24					1.40			.30	1.21	1.00									.08	.64	.15				.10			
Ramsey, Lock No. 2		.01	.20				.05	1.72			.40	1.05	.08									.46	T	.12			.28				
Russellville			.33					1.93	.05		.45	.13	.22					T					.19	.03				.38				
			.33					1.27	.08		.19	.37	.02										.53	.10				.21				
Central Division																																
Anchorage			.25			.03	.20	1.16			.33	.38	.04					T				.21	.19	T			.34				
Bardstown			.30			.04		.52	.10		.50	.10	.12										.30					.56				
Bowling Green			.38					1.44	.05		.25	.28						T					.33	.03				.18				
Brownsville, Lock No. 6	T.		.37					1.22	.14		.54	.26											.53	.11				.47				
Burnside			.11					1.36	.10		.31	.39	.06										.78					.56				
Carrollton (Lock No. 1)			.31			.42	.61	1.50	.31		.14	.18	.62										.63					.14				
Cloverport	.03		.16			.01		2.31	.11		.61	.06	.04										.55	.01	.02			.86				
Cold Spring, Dam 36	T.		.58	T.	.56	.75	.97	.57			.18	.14	T.										.06		T.			.28				
Dix Dam, Burgin	K. T.	T.	.10		.06		.39	.06	T.		.07	.57	.64	T.			T.	1.31					.35	.05	T	T		.70	T			
Eubank	C		.14				.65	.12			.10	.45	.50						.04	T.			.34	T	.01	T		.41				
Frankfort	K .04		.13		.05	T.	.82	.15			.30	.26	.05						.05				1.00					.50				
Franklin	G																	T					.76	T.				.40				
Crest, Lock No. 3	K .04		.20			.14	T.	1.20	.20		.06	.26	.22																			
Glasgow	G		.03					.50			1.10	.30							.04				.84	.04	.06		T	.47				
Greensburg	G .01		.16	T.		.65	.53	1.49	.45		.23	.15	T.									20									
High Bridge, Lock No. 7	K T		.08					.47	.05		.10	.36	.62	.02					.05				.29	.03	.02		.40	.40				
Irvington	O		.41			.04		.45	.05		.09	.51	.92						.02				.30	.03				.70				
Junction City	K .02		.28				T.	2.05			.35	.36	T.										.41					.44				
Lancaster	K		.14				.35	.37	.02		.76	.68	.47	.02				T				.18		T			28	.04				
Leitchfield	G		.14	.05				.27	.08		.06	.44	.74	.01				.05				.65	.10		T		.02	.67				
Lexington ***	K		.46	T.			.10	1.05			.25	.25	.05										.13					.34				
Little Hickman, Lock No. 8	K T		.18			.04	.07	.21	T.	T.	.35	.66	.03		T.			.02				.10	.02	T.			.43	T				
Lockport, Lock No. 2	K	T.	.13			.05		.25	.05		.17	.56	.90										.38	T.	.03			.41				
LOUISVILLE ***	O		.25			.09	T.	1.58	.10		.19	.15	.37						.04				.30	.03								
Do. (Cherokee Park)	O	.12	.21		.01	.02	.11	1.56		T	.48	1.05			T.		T	.02					.67	.02	.03			.47				
Munfordville	G		.35			.04	*	1.03			*	*	1.06				T.	.03				.47	T.	T.							
St. John	G .01		.02	.30				.40	.06		.32	.08	.15		.01							.29	.32				.25				
Salvisa, Lock No 6	S		.28		T.	T.	T.	1.05	.05		.43	.15	.16						.01				.55					*	.30			
Scott	B .20		.30		.17		.82	.15			.12	.72	.25				T						.20	.02	T			.60				
Shelbyville	L	T.	.43	T.	.94	.33	1.05				.35	.10	T.			T.	1.15		T				.20					.56				
Taylorsville	S T.		.33		.03	T.	.91	.19			.44	.20	.09									.31	.02	T.	T	T	.50	.45				
Tyrone, Lock No. 5	K		.18					.89		.01	.43	.06	.01					T					.26		.03			.36				
Williamstown	L .02		.17		.30	.85	1.07	.27			.69	.22	.11									.17	.12				.33	.50				
Woodbury, Lock No. 4	G T.		.36					1.91	.07		.16	.13	.05																.15			
Eastern Division																							.55	.02		T		.72				
Ashland	O .54		.06				.08	.06	.12			.50	.03										.30	.06				.38				
Beattyville	K .22		.06		.03		.03	.02			.16	.23	.50	.01				.21	.35												
Berea	K T.		.18		.08	.11	.16	T.			.46	.07	.58						.02				.11	.05	.04			.47				
College Hill, Lock No. 11	K T.		.15	.10	T.		.10	.08			.18	.75	.80	T.				.05			T.		.67	.01		.01		.36				
Cynthiana	L		.13		.03	.04	.23	.03			.11	.42	T.						.08				.43				T	.42				
Falmouth	L T.		.13		.58	.33	.80	.18			.08	.21							.04				.35	T				.40				
Farmers	L						.50				.65		T					.20	T				.35				.04	.48				
Flemingsburg	L		.35				.20	.56			.70	.40						T.	T				.46	.07	.05	T		.78				
Ford, Lock No. 10	K T.		.06	T	.09		.15	.03			.10	.65	.67	.01					T				.45	T.	T			.48				
Grayson	O .17		.04				.20	.07			.38	.04							.12					.30				.60				
Greenup, Dam 35	O						.20	.15	.10		.10	.35	.10						.11				.18	T	T	T		.42				
Harlan	K																	.60	.10				.26	.04					.32			
Hazard	K .03						.04	.03	.12		.24	.52	.26										.10	.14	.05	.05		.50				
Heidelberg, Lock No. 14	K		.08		.03		.04	.02			.15	.25	.55	.03					.03		.03		.37	T		.04		.33				
Hindman	K		.13				.03	.05	T.		.87	.13	.28	T.				.05			T.		.78					.40				
Jenkins	K .08						.12	.11	.04		.38	.19						.03					.42	T		.03	T.	.40				
Louisa	B											.44										.38	.18		.09		.48				
Maysville	O .04		.14	T.	.11	.45	.30	.06		.09	.20	T.							.13				.16					.50				
Middlesboro	C		.08			.14	.18			.10	.85	.98						.19	.09				.31	T	T.	.02		.78				
Mount Sterling	L T		.24		.07		.25	.04		T.	.71	.38											.52					.33				
Oneonta Dam 35	O .25			.51	.50	1.05	.63											.05					.21	T	.07			.59				
Pikeville	B T.		.04				.08				.80	.18						1.19					.51		T			.81				
Prestonsburg	B																						.18	T	.38	T		.38	T			
Quicksand	K T	T.		T.			.10	.10			.26	.29	.31																			
Ravenna, Lock No. 12	K T		T.		T.			.12			.05	.55	.42	T.				T					.56	T	T	T		.35				
Richmond	K .24		.05			T.	.18	.02			.25	.47	1.15					T					.44	T.				.43				
Sergent	K		.05			.01	.07	.01			.30	.18	.12					.03			T		.40	.03				.41				
Valley View, Lock No. 9	K																	.03					.82		.01			.39				
Vanceburg, Dam No. 32	O .31		.15		.22	.20	.50	.08																								
Wayland	B																	.50	.31				.18	.01	.05			.98				
Whitesburg	K						.08	.07		.11	.35												.60	.22				.12				
Williamsburg	C T.		.14				T.	.10			.84	.69	.04									1.18	.03				.41				
Willow, Lock No. 13	K		.10					.05			.47	.36											.44					.55				

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

* Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation included in the next following measurement

; Separate dates of falls not recorded. T Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi

¶ Lone Oak

Daily Temperatures for April, 1926.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	51	62	60	56	69	78	74	64	67	63	61	50	57	70	68	66	74	74	52	64	76	77	68	67	59	63	68	55	72	78	..	65.4
	Minimum	29	34	34	25	39	45	56	39	44	39	47	35	37	38	35	30	38	38	30	29	41	52	54	55	45	35	36	44	34	50	..	39.6
Blandville	Maximum	49	65	59	56	68	76	67	58	60	60	57	50	62	69	46	69	76	67	53	63	76	68	73	68	62	65	75	60	72	81	..	64.2
	Minimum	29	34	34	25	39	41	55	37	41	38	48	37	40	45	34	34	43	42	30	36	48	54	50	54	46	42	50	46	42	46	..	41.5
Calhoun	Maximum	50	64	62	56	68	79	73	61	56	61	60	50	61	71	52	69	75	71	51	66	78	74	68	70	61	62	72	57	72	83	..	65.1
	Minimum	30	37	35	29	38	44	58	39	43	39	47	36	39	36	34	32	41	41	33	38	50	53	54	56	44	36	40	45	35	53	..	40.6
Farlington	Maximum	52	65	63	57	71	80	75	62	69	63	60	51	61	72	54	70	78	74	54	68	80	76	71	73	65	65	74	58	73	84	..	67.3
	Minimum	30	36	35	25	40	45	62	38	48	40	48	38	38	37	34	30	39	41	31	27	42	56	59	55	46	34	39	46	35	57	..	41.0
Greenville	Maximum	52	65	63	58	70	81	77	66	58	62	60	52	58	72	63	69	77	77	52	65	79	73	72	73	66	64	77	..	71	84	..	68.2
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hopkinsville	Maximum	53	66	62	59	73	83	76	68	61	67	65	57	61	73	61	71	80	78	56	69	83	72	75	74	64	66	78	63	76	86	..	68.9
	Minimum	29	..	34	27	39	45	57	38	43	38	49	35	36	40	33	27	40	40	36	39	42	54	52	56	46	36	42	45	36	46	..	40.1
Madisonville	Maximum	55	66	62	59	73	83	75	68	61	67	65	57	61	73	61	71	80	78	56	69	83	72	75	74	64	66	78	63	76	86	..	68.9
	Minimum	29	..	34	27	39	45	57	38	43	38	49	35	36	40	33	27	40	40	36	39	42	54	52	56	46	36	42	45	36	46	..	40.1
Marion	Maximum	47	54	64	64	67	75	77	71	62	62	57	50	53	66	70	66	76	76	52	55	75	76	66	69	69	62	66	73	66	80	65	65.5
	Minimum	27	36	40	29	43	44	61	36	43	38	46	35	35	44	33	32	46	40	30	34	49	62	54	54	45	40	50	45	50	63	..	42.1
Mayfield	Maximum	..	..	..	61	71	83	77	67	59	63	66	62	64	70	58	67	77	75	60	65	77	77	77	80	66	67	80	63	74	82	..	*69.2
	Minimum	..	..	..	27	44	45	50	37	47	42	49	36	38	43	34	31	42	42	31	31	46	54	55	54	46	40	49	44	41	52	..	*42.6
Murray	Maximum	56	66	58	62	76	80	74	65	59	63	71	66	73	71	63	68	82	69	59	68	82	72	77	73	66	72	79	62	73	84	..	70.0
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	*40.9
Owensboro	Maximum	56	66	58	62	76	80	74	65	59	63	71	66	73	71	63	68	82	69	59	68	82	72	77	73	66	72	79	62	73	84	..	70.0
	Minimum	27	34	33	29	39	41	55	37	36	37	45	34	38	39	33	30	42	36	29	28	39	53	55	54	42	34	40	43	33	48	..	38.8
Paducah (near)	Maximum	53	66	67	60	72	78	72	63	60	60	56	54	65	72	51	68	79	74	58	68	79	74	76	73	64	68	77	63	74	83	..	67.4
	Minimum	28	40	34	30	45	44	47	37	41	43	47	36	40	43	34	33	42	42	29	31	46	54	55	54	46	40	48	45	41	53	..	41.6
Princeton	Maximum	52	65	57	58	69	80	74	59	58	62	60	51	61	72	57	68	76	67	53	65	79	71	72	66	61	65	75	58	73	83	..	65.6
	Minimum	26	39	32	29	38	45	59	37	44	40	47	34	36	36	33	29	39	40	30	28	38	56	56	54	45	34	40	44	35	48	..	39.6
Russellville§§	Maximum	51	63	45	57	68	81	69	46	59	64	62	46	55	69	46	67	77	61	53	65	80	73	72	69	59	62	77	59	71	83	..	68.6
	Minimum	30	34	36	26	38	46	49	39	39	38	44	40	38	41	36	30	40	42	32	27	44	52	56	55	47	37	40	40	34	47	..	39.9
Central Division.																																	
Anchorage	Maximum	47	62	56	54	65	77	73	58	56	58	52	45	55	70	52	66	63	51	50	62	72	71	69	69	56	58	65	55	67	82	..	61.2
	Minimum	29	26	31	21	36	39	39	30	34	45	34	39	36	34	28	35	37	28	24	36	47	57	49	42	31	32	43	32	43	51	..	*35.9
Bardstown	Maximum	50	63	64	57	68	81	76	61	57	62	55	55	53	70	63	67	68	61	51	66	80	74	68	72	62	61	68	65	68	85	..	65.0
	Minimum	29	30	33	25	38	42	58	42	33	37	47	36	40	37	35	27	38	35	29	28	38	53	56	53	46	33	34	43	34	51	..	38.5
Bowling Green	Maximum	54	65	60	61	72	84	74	62	61	68	63	55	56	73	66	70	79	74	56	68	83	76	75	73	68	65	68	64	74	87	..	68.5
	Minimum	28	32	35	27	38	44	57	39	42	37	50	39	39	37	37	30	43	39	31	23	41	54	54	53	48	36	38	45	34	47	..	40.1
Dix Dam	Maximum	47	63	60	52	68	80	75	60	58	62	60	48	48	67	64	62	63	58	47	..	77	74	68	69	66	57	68	69	..	..	..	*62.4
	Minimum	29	27	36	24	35	40	56	..	33	35	..	36	40	..	34	29	35	38	..	24	..	48	52	49	43	36	32	42	..	..	..	*37.1
Eubank	Maximum	54	64	56	58	65	78	77	57	62	68	62	62	58	68	64	63	68	59	59	64	76	72	67	64	64	56	70	69	70	79	..	65.1
	Minimum	28	29	38	25	38	42	57	46	37	36	36	38	40	43	36	26	36	38	36	24	38	52	53	50	42	31	31	44	31	48	..	37.8
Frankfort	Maximum	47	62	61	52	66	76	74	60	55	59	60	51	53	69	65	64	69	65	64	59	47	59	76	73	67	69	68	56	68	84	65	63.2
	Minimum	26	29	36	25	38	41	53	41	34	37	47	35	42	37	34	30	39	39	31	26	36	47	57	50	44	36	33	45	43	49	..	38.8
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Glasgow	Maximum	51	48	59	60	70	80	76	70	62	70	62	51	62	65	65	67	80	70	58	70	80	72	70	71	70	72	75	72	69	82	..	67.3
	Minimum	29	28	34	27	40	45	42	40	41	39	50	39	40	40	30	48	40	31	34	37	60	56	52	45	40	34	45	33	50	..	..	40.3
Greensburg	Maximum	50	64	60	55	68	79	7	60	57	62	61	51	68	63	64	72	62	51	62	78	71	67	69	66	59	74	69	67	80	..	..	66.6
	Minimum	30	34	34	28	41	42	59	40	36	36	46	34	37	41	34	33	41	39	30	29	45	47	58	55	43	38	40	44	35	52	..	39.7
Irvington	Maximum	48	67	60	56	68	80	75	59	66	65	59	48	49	69	63	63	67	51	48	60	78	73	70	71	65	68	70	67	74	81	..	64.0
	Minimum	28	32	35	23	34	41	57	39	38	35	48	34	39	41	34	33	41	39	30	29	45	47	58	55	43	38	40	44	32	45	..	37.8
Lawrenceburg	Maximum	48	67	60	56	68	80	75	59	66	65	59	48	49	69	63	63	67	51	48	60	78	73	70	71	65	68	70	67	74	81	..	64.0
	Minimum	28	32	35	23	34	41	57	39	38	35	48	34	39	41	34	33	41	39	30	29	45	47	58	55	43	38	40	44	32	45	..	37.8
Lawrenceburg	Maximum	48	67	60	56	68	80	75	59	66	65	59	48	49	69	63	63	67	51	48	60	78	73	70	71	65	68	70	67	74	81	..	64.0
	Minimum	28	32	35	23	34	41	57	39	38	35	48	34	39	41	34	33	41	39	30	29	45	47	58	55	43	38	40	44	32	45	..	37.8
Leitchfield	Maximum	52	64	64	58	70	82	77	64	63	67	63	54	61	72	61	70	78	74	56	68	80	76	71	73	67	70	79	62	73	84	..	68.9
	Minimum	29	34	34	27	40	42	60	41	38	39	46	36	37	40	34	31	39	39	30	29	41	53	51	51	45	35	38	42	32	45	..	38.9
Lexington	Maximum	44	62	55	53	63	75	71	59	52	58	53	42	48	66	52	61	60	42	45	61	73	71	64	66	48	52	66	67	60	78	..	59.1
	Minimum	28	35	30	26	41	39	58	37	32	36	39	33	40	39	30	34	39	34	29	33	46	57	55	48	40	38	40	43	41	52	..	39.1
Louisville	Maximum	43	54	56	51	61	57	72	60	51	66	57	46	68	68	58	64	58	51	46	57	73	68	67	76	58	56	60	61	54	61	80	60.0
	Minimum	33	34	33	30	44	40	55	38	36	36	42	35	40	38	39	30	34	39	34	29	33	46	57	55	48	40	38	40	43	41	52	40.0
Louisville	Maximum	45	61	67	52	64	78	70	55	55	58	50	42	57	69	51	66	59	52	48	60	76	69	65	68	52	56	65	53	67	81	..	59.4

x KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., MAY, 1926. No. 5

UNIVERSITY OF ILLINOIS LIBRARY
JUL

GENERAL SUMMARY.

Deficient moisture and wide variations in temperature rendered the month generally unfavorable for growth, hence most vegetation failed to make seasonal progress. Light frost in some northern localities on the 23d caused no damage. Weather conditions suitable for outdoor work, resulted in such rapid progress that the time lost in the preceding month was largely made up. Low temperature was the principal retarding element during the first two weeks, but late in the month drought assumed the most importance in that respect. The situation had become serious locally in the central and western counties when it was relieved by the heavy rains of the 31st. Plowing and planting proceeded at a highly satisfactory rate until the last week, when dry soil hindered or caused suspension of the work in most of the agricultural sections. Areas most seriously affected by the dry weather were the southwestern counties and the lower Green River Valley. In the eastern counties there was more rain and temperatures were not so high. The earlier corn and cotton germinated well, but later plantings came up irregularly or sprouted and perished. Because the soil was too dry to be worked, the completion of corn planting had to be deferred until after the rains. Tobacco plants, most of which were very small at the beginning of the month, were further delayed by the dry, cool weather. Early plants reached the size for transplanting during the last week, two to three weeks later than usual; and the rain on the last day enabled farmers to begin setting. Wheat, rye, barley, and alfalfa made much better progress than other crops. The rain came in time to fill out the wheat heads. Oats grew slowly but remained vigorous. Pastures began to deteriorate in the western districts during the last decade, but they continued good in the eastern counties. Although seed bluegrass headed and bloomed in the dry weather, the coming of the rains at the critical stage of its development assured a good crop of seed. Cultivation of early corn and cotton began late in the month. Both crops remained exceptionally clean, because the continued dry weather after the land was prepared prevented weeds from starting. Potatoes were much retarded, but were not generally injured. Early strawberries in the southern areas were dwarfed by drought.

TEMPERATURE.

The average temperature for the State, based on reports from 44 stations, was 66.2°, which is 0.6° above normal. Minimum temperatures slightly above freezing occurred at many stations on the 4th and at a few stations on the 23d. They registered between 40° and 45° on most days in the second decade. Maxima above 90° occurred generally in the western counties in the last week. Extremes were 101° at Murray on the 27th and 31° at Farmers on the 5th.

PRECIPITATION.

The average precipitation for the State, 80 stations reporting, was 2.36 inches, which is 1.61 inches less than normal, and the lowest record for May, except in 1891 and 1914. In the extreme northern and southeastern districts amounts ranged between 3.0 and 5.0 inches. In the central and southwestern counties from 1.0 to 3.0 inches occurred. In considerable areas along the Ohio and in the central counties the total for the month was less than 1.0 inch. Showers occurred mo[illegible] periods 3d-4th, 9-11th, 14-16th, 18-20th, and 30th-31st. Heavy rains were [illegible] general in the eastern districts on the 15th and 16th. Thunderstorms were reported on 11 days, accompanied by hail in many places. Precipitation extremes were 0.17 inch at Cloverport and 5.62 inches at Hazard.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. In inches reduced to sea-level. Average.	Highest	Date.	Lowest	Date.	Wind. Total movement	Av. hourly velocity	Max. Velocity.* Miles per hour	Direction	Date.
Cairo ..... Ill.	29.93	30.26	4	29.56	9	6921	9.1	56	n	3
Cincinnati ..... Ohio	29.94	30.33	4	29.56	10	8204	7.0	32	nw	24
Evansville ..... Ind	29.96	30.34	4	29.58	9	8235	11.1	52	w	15
Lexington ..... Ky.	29.95	30.29	4	29.54	10	5879	12.1	46	w	16
Louisville ..... Ky.	29.95	30.32	4	29.55	10	6916	9.3	41	n	31

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more	20 per cent or less
Cairo ..... Ill.	71	47	49	330.8	439.0	75	16	4
Cincinnati ..... Ohio.	68	46	66	322.2	444.0	75	14	2
Evansville ..... Ind.	62	38	44	373.0	441.4	85	21	0
Lexington ..... Ky.	69	52	.....	275.6	441.4	62	12	3
Louisville ..... Ky.	65	45	49	353.4	441.4	80	18	0

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Monthly average	Departure from 35-year normal	Highest	Lowest	Precipitation. Monthly average	Departure from 35-year normal	No. of days with .01 in. or more rain
1889	63.6	− 2.0	94	28	4.05	+0.06	..
1890	63.9	− 1.7	93	32	4.22	+0.25	..
1891	62.6	− 3.0	90	29	1.78	−2.19	..
1892	64.6	− 1.0	90	36	5.49	+1.52	..
1893	63.2	− 2.4	96	37	5.59	+1.62	..
1894	64.5	− 1.1	99	32	3.54	−0.43	..
1895	63.9	− 1.7	99	29	3.16	−0.81	8
1896	72.2	+ 6.6	106	42	5.34	+1.37	13
1897	61.4	− 4.2	92	32	3.27	−0.70	10
1898	67.6	+ 2.0	93	31	4.62	+0.65	11
1899	68.8	+ 3.2	94	42	4.79	+0.82	11
1900	66.3	+ 0.7	96	39	3.49	−0.48	10
1901	63.7	− 1.9	97	34	2.65	−1.32	10
1902	70.0	+ 4.4	98	35	3.55	−0.42	9
1903	68.0	+ 2.4	98	39	3.99	−0.88	8
1904	65.0	− 0.6	98	33	3.05	−0.92	10
1905	68.0	+ 2.4	95	38	5.23	+1.26	11
1906	69.5	+ 3.9	95	31	2.54	−1.43	9
1907	61.3	− 4.3	93	30	5.07	+1.10	12
1908	66.7	+ 1.1	96	28	4.34	+0.37	12
1909	63.9	− 1.7	93	37	4.64	+0.67	12
1910	61.1	− 4.5	89	30	4.81	+0.84	12
1911	69.4	+ 3.8	105	29	2.46	−1.51	5
1912	66.7	+ 1.1	97	37	4.53	+0.56	10
1913	66.1	+ 0.5	99	29	2.92	−1.05	8
1914	66.5	+ 0.9	103	32	2.16	−1.81	5
1915	65.2	0.4	95	35	6.62	+2.65	15
1916	67.2	+ 1.6	98	33	4.02	+0.05	9
1917	58.9	− 6.7	92	30	3.43	−0.54	10
1918	69.4	+ 3.8	97	35	4.29	+0.32	8
1919	63.3	− 1.7	95	35	6.05	+2.08	14
1920	64.2	− 1.4	94	32	4.08	+0.11	11
1921	65.9	+ 0.8	97	32	2.45	−1.52	8
1922	67.9	+ 2.3	94	35	3.87	−0.10	10
1923	66.9	− 1.7	91	37	3.98	+0.01	13
1924	59.9	− 5.7	92	34	5.64	+1.67	14
1925	61.2	− 4.4	98	28	2.61	−1.36	7
1926	66.3	+ 0.6	101	31	2.36	−1.61	7

Climatological Data for May, 1926.

Stations	Counties	Elevation, feet	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days. With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division																				
Beaver Dam	Ohio	441	22	66 8 + 0.5		96	27	38	4	47	2.85	−1.38	0.85	0	4	24	2	5	s.	Mrs. Lena F. Taylor.
Beaverville	Ballard	445	44	67.5 + 1.0		91	27	40	4	31	1.89	−2.35	0.61	0	6	12	13	6	sw.	E. W. Horr.
Brandville	McLean	437	22	66.7 − 0.4		92	26	38	4	43	2.13	−1.83	0.81	0	4	19	4	8	sw.	W. A. Taylor.
Calhoun	Hopkins	420	36	68.4 − 0.5		97	27	38	4	44	1.74	2.58	0.86	0	6	16	12	0	s.	Brick Southworth.
Darlington	Hopkins	519	9	69.5 + 4.8		97	25	37	4	46	1.26	2.66	0.40	0	6	16	12	0	s.	C. R. Lovell.
Greenville	Muhlenburg	519	9	69.5 + 4.8		97	25	37	4	46	1.26	2.66	0.40	0	6	16	12	0	s.	C. R. Lovell.
Hopkinsville	Christian	524	30	69.4 + 2.3		98	25	40	4	47	1.21	−2.85	0.60	0	8	19	5	7	sw.	W. E. Graves.
Marion	Crittenden	571	28	69.2 + 2.5		94	28	37	4	36	0.82	−3.44	0.25	0	5	17	9	5	sw.	B. C. Paris.
Mayfield	Graves	364	17	69.6 + 3.2		94	29	40	4	36				0		14	16	0	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	0	68.2		101	27	40	4	47	2.80		1.65	0	4	17	6	8	s.	Harry B. Arnold
Owensboro	Daviess	479	29	66.6 + 1.0		93	25	35	4	43	0.92	−2.79	0.85	0	3	17	5	9	s.	Henry S. Berry.
Paducah	McCracken	516	9	69.2		95	29	40	4	42	1.11	−3.05	0.50	0	4	20	8	3	se.	J. W. Lilley
Paducah, near	McCracken	341	37								1.01	−2.80	0.54	0	4					Frank L. Brown.
Padcah	McCracken	529	19	66.2 − 0.5		93	27	38	4	41	2.51	2.10	2.00	0	7	13	12	6	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	9								1.28	−2.56	0.67	0	5					Thos. L. Wetzel.
Ramsey, Lock 2	McLean	390	15	68.0 + 6.7		95	25	39	4	45	0.65	−3.24	0.25	0	6	20	3	8	s.	Wm. Shelton.
Russellville	Logan																			
Central Division.																				
Anchorage	Jefferson	700	25	64.7 + 0.6		93	25	35	4	46	1.36	−2.48	0.65	0	7	19	7	4	sw.	C. E. Barret.
Bardstown	Nelson	637	29	66.6 + 0.6		95	25	33	4	48	1.19	−2.45	0.80	0	6	15	0	16	sw.	Mrs. Emily T. Sisco
Bowling Green	Warren	500	37	68.4 + 0.8		99	25	37	4	49	0.56	−3.69	0.20	0	7	15	12	4	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	1								0.78		0.33	0	5					J. Frank Thomas.
Bowling Green, No. 3	Warren	410	9								0.80	−4.70	0.32	0	6					Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	573	35								2.29	−1.70	1.04	0	6					F. E. Bradshaw.
Burnside	Pulaski	422	27								2.90	−1.14	0.87	0	6					Charlie Oliver.
Carrollton, Lock 1	Carroll	422	12								0.17	−3.76	0.10	0	5					W. A. Cockerill.
Chesterport	Breckenridge	489	0								3.52		1.08	0	8					W. L. Patchell.
Cool Spring, Dam 36	Campbell	770	2			91	25				2.37		1.04	0	9	7	8	15		Gen. Henry Ellis.
Dix Dam, Burgin	Mercer	1177	32	65.4 + 1.4		91	25	35	4	45	2.46	−1.92	0.90	0	6	18	8	5	s	Mrs. Katie Payne.
Eubank	Pulaski	560	34	65.9 + 0.7		91	25	36	4	43	1.97	−1.84	0.58	0	7	22	3	6	s.	Sidney Wood.
Frankfort	Franklin	691	31																	Jos. H. Blewett.
Franklin	Simpson	449	15								0.87	−2.38	0.26	0	8					Albert Purvis.
Gest, Lock 3	Henry	780	5	68.8		98	29	35	4	44	1.65		0.50	0	6	18	5	8	s.	Dr. Fidelia Edwards.
Glasgow	Barren	506	1								2.11		0.67	0	8					Bert Ross.
Grant, Dam 38	Boone	581	33	64.0 − 0.8		90	27	35	4	45	3.09	−1.20	1.65	0	10	11	2	18	sw.	Mrs. Bettie K. H. Alcorn
Greensburg	Green	550	24								2.62	−1.23	0.50	0	10					Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	646	28	66.6 − 0.3		91	25	35	4	36	2.57	−0.84	0.99	0	6	20	7	4	sw.	W. J. Piggott.
Irvington	Breckenridge	985	32	66.2 + 0.6		93	25	34	4	48	2.70	−1.39	1.14	0	7	15	14	2	s.	William E. Grubbs.
Junction City	Boyle	1052	0								2.01		0.62	0	6					L. J. Vanhook.
Lancaster	Garrard	665	30	67.2 + 2.1		95	25	35	4	41	1.46	−2.64	1.03	0	4	15	11	5	sw.	H. H. Willis.
Leitchfield	Grayson	989	42	64.6 + 0.3		89	25	34	4	32	2.06	−1.46	0.96	0	9	15	10	6	sw.	U. S. Weather Bureau.
Lexington	Fayette	523	15								2.29	−1.42	0.60	0	8					Horace Canter.
Lock 4 Heckman, Lock 8	Jessamine	476	16								1.32	−2.11	0.39	0	9					Andrew J. Keenan.
Lockport, Lock 2	Henry	525	33	66.8 + 0.2		92	25	36	4	33	1.84	−1.80	0.82	0	7	13	15	3	s.	U. S. Weather Bureau.
Louisville	Jefferson	534	16	66.0 + 0.9		89	25	34	4	40	1.20	−2.53	0.40	0	8	22	7	2	sw.	Wm. I. Hunt.
Do (Cherokee Park)	Do	600	1								0.62		0.20	0	6					C. R. Richardson.
Macsordsville	Bard	777	30	65.6 + 1.3		94	25	31	4	46	0.44	−3.63	0.18	0	5	24	4	3		Sisters of Loretto.
St. John	Hardin	490	12								2.37	−0.84	0.52	0	9					Ernest M. Searcy.
Shiloh, Lock 6	Mercer	900	28	63.2 − 0.6		87	26	32	4	39	4.21	+0.15	0.75	0	11	9	12	10	ne.	E. B. Wilson.
Scott	Kenton	825	37	65.0 0.0		94	25	32	4	45	2.22	−1.90	0.51	0	9	16	3	12	n.	Mrs. W. T. Miller.
Shelbyville	Shelby	489	24	64.6 0.0		92	25	35	4	47	2.16	−1.42	0.72	0	8	16	11	4	w.	E. D. Bourne.
Taylorsville	Spencer	526	8								4.60		2.00	0	9					H. K. Vaughn.
Tyrone, Lock 5	Anderson	943	23	65.1 + 1.5		91	25	32	4	38	2.83	−0.73	0.85	0	9	15	10	6	w.	Mrs. E. S. Humlong
Williamstown	Grant	863	9								0.54	−2.92	0.20	0	9					J. C. Stinson.
Woodbury, Lock 4	Butler																			Curtis Purvis.
Eastern Division.																				
Ashland	Boyd	534	9	64.9		90	26	36	5	44	2.74	−1.21	0.50	0	10	14	3	14	sw.	Robert S. Smallwood.
Beattyville	Lee	650	22	65.0 + 0.8		95	25	36	5	48	2.79	−1.38	1.25	0	9	13	9	8	w.	Frank Montgomery
Berea	Madison	1070	24	65.1 0.1		89	26	35	4	40	3.33	−0.73	1.70	0	9	11	14	6	sw.	Kelly Weldon
College Hill, Lock 11	Madison	601	16								1.38	−2.59	0.50	0	8					P. H. Kehoe.
Cynthiana	Harrison	684	8								1.05		0.25	0	8					J. V. Oldham.
Falmouth	Pendleton	600	37								2.80	0.87	0.73	0	8	24	3	4	se.	Mrs. Edna Tinsley.
Farmers	Rowan	668	18	62.2 − 1.5		91	25	31	5	55	4.58	+0.70	1.20	0	6	18	7	5	e.	C. A. Glascock
Flemingsburg	Fleming	841	1								3.76		0.80	0	10					John A. Walters.
Ford, Lock 10	Clark	553	16								1.75	−1.24	0.44	0	11					Col. Frank Powers
Grayson	Carter	585	1								2.04		0.46	0	10					T. Mitchell.
Greenup, Dam 30	Greenup	540	6								1.90		0.35	0	10					Mrs. Agnes Carley
Harlan	Harlan	1197	1	64.5		89	24	40	24	49				0	7	12	2	3		Chas. A. Doig.
Hazard	Perry	869	2								5.62		3.24	0	7					S. C. Gale.
Heidelberg, Lock 14	Lee	864	9								2.75	−1.13	1.51	0	6					Miss Lute Napier.
Henderson	Knott	1032	1	63.8		91	25	31	5	48	3.50		1.05	0	10	21	5	5	sw.	R. R. Davidson.
Jenkins	Letcher	1566	1								5.47		1.61	0	12					Russian Copley
Louisa	Lawrence	564	22								3.85	−0.22	0.72	0	10					Perry E. Bennett
Maysville	Mason	524	29	64.5 0.1		94	26	35	4	45	2.49	−1.46	0.57	0	12	18	8	5	s.	Matthew Woodson.
Middlesboro	Bell	1128	30	63.4 0.1		95	25	32	5	52	4.01	0.17	1.66	0	10	21	8	2		W. R. McKee.
Mount Sterling	Montgomery	960	36	64.9 + 0.8		92	26	38	4	45	2.64	−1.65	0.97	0	11	18	6	7	w.	Andrew M. Stanforth.
Onoonta, Dam 35	Campbell	497	4								3.59		1.26	0	7					Robert Repass.
Pikeville	Pike	635	20								2.89	0.48	1.48	0	5					P. C. Hall.
Prestonsburg	Floyd	640	1								3.42		1.36	0	9					R. W. Jones.
Quicksand	Breathitt	732	1	65.6		93	25	35	5	49	3.91		1.85	0	6					Walter P. Bush.
Revenue, Lock 12	Perry	631	8								2.88		1.25	0	6					J. W. Crooke.
Richmond	Madison	926	35	66.6 1.0		89	25	35	4	36	3.10	0.48	1.07	0	9	19	3	9		Mary Rockwell.
Sergent	Letcher	1295	3	65.3		92	26	34	5	47	4.98		1.46	0	12	16	12	2	nw	Thos. Sullivan.
Valley View, Lock 9	Madison	541	13								2.87	−0.70	0.82	0	16					H. M. Fenwin.
Vanceburg, Dam 32	Lewis	525	11								2.58	−1.31	1.04	0	8					
Wayland	Floyd	700	0																	G. H. Zimmerman.
Whitesburg	Letcher	1142	1								4.29		1.60	0	9					Lawrence R. Uhl.
Williamsburg	Whitley	960	29	66.8 + 1.0		95	25	37	5	49	3.30	−0.80	1.90	0	8	23	4	4		Shelby Angel.
Wurtland, Lock 13	Lewis	611	7								2.24		0.96	0	4					
				66.2		101	27	31	5	55	2.36		3.24	0	7	17	8	6	sw.	

[illegible] averages and extremes

[illegible] temperature data are taken from self-registering thermometers

[illegible] are compiled only for such stations as have ten or more years of record, but all complete reports are [illegible]

[illegible] Ashland, Beattyville, Berea, Brandville, Brooksville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

[illegible] ‡Hilltop, Bracken Co. †Lone Oak, Ky. ‡Locks Nicholasville Ky.: Lock 10, Red House, Ky.: Scott, Covington, Ky.

[illegible] ‡ Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

[illegible] Record for [illegible] published in weekly and monthly summaries. † Precipitation is less than 0.01 inch rain or melted snow

[illegible] Also on other dates. ‡ Record for [illegible] published in weekly and monthly summaries

[illegible] Lock 7, Lawrenceburg, Ky.; Lock 6, Carrollton, Ky.; Locks Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

MISCELLANEOUS.

[illegible] hail passed in a northeast-ly direction across the [illegible] northern edge of Carlisle County, and ended in [illegible] 1 to 5 miles wide, causing damage estimated at [illegible] baseballs, some disc-shaped like saucers, and some in icicle forms 5 to 6 inches long. were observed. Part of the damage was due to the wind carrying the stones against buildings.

May 17. Heavy hail caused damage estimated at $15,000 in the vicinity of Lexington.

May 17. The path of the storm was about two miles wide and six miles long.

May 20. Lightning killed a man in the open between two buildings near Winches-ter.

Daily Precipitation for May, 1926

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G	.75	.45							.85								.30												.03	.35	1.88
Blandville	M	.32						.12	.61	T.																	T			.05	.43	1.53
Calhoun	G	T.	.38					T.	.81						T.		T	T									24			.50	.43	1.56
Farmington	G		.47						.39		T					T		T.										.02			.03	1.43
Greenville	G		.40					.15		T										.07								.05	.30	.27	1.26
Hopkinsville	C		.08					.01	.06		.06							.01	.05										.54	.09	.25	1.08
Marion	C		.18					.08	.20						.11			.25													.82
Mayfield	M									.10									.38												.48
Murray	T		.40					.35										.40												1.05	2.80
Owensboro	O		.05					T.		.85	T					T.		.02	T.		T									T	1.08
Paducah (near)	O								.30										.50											.01	.80	1.61
Paducah	O		.14					.23										.10	.54											T	.01	.01
Princeton	G	.12						T	.06		.08				T.		T.	T.	.02									.17		.05	.10	2.54
Ramsey, Lock No. 2	G		.28							.67									.03										.18		.12	1.28
Russellville	G		.25							.10		.17							.07										.04		.02	.65
Central Division																																
Anchorage	O		.19						.04	.24	.10						.02	.12										T.		T	.65	1.36
Bardstown	S		.05						.25	.14	.15					.30			.20													1.10
Bowling Green	G		.14							.05		.10	.02	.03	.02			T.	T									T		.20		.56
Bowling Green, No. 2	G		.11							.09		.33		T														T		.11	.14	0.78
Brownsville, Lock No. 6	G		.32							.17		.05				.05		.02										.16				0.80
Burnside	C		.46							.02		.02			.65	1.04		.02		T		T.						T		T		2.39
Carrollton (Lock No. 1)	K		.28						.32	.60	.87								.45					.38								2.90
Cloverport	O		T.					T		.10	.03								.02	.01										.04	.01	0.15
Cold Spring, Dam 36	O		.50						T	.63	.31				.09	.09				T.	.01	T.		.75		1.08			T	3.52
Dix Dam, Burgin	K		.42						.04	1.04	.09	T.	T.		.15	.36		.25	.02	T.									.02	2.37
Eubank	C		.18						.45	.53				.30		.90													.10	2.08
Frankfort	K		.56	T.					.32	.18	.10				T.	.18		.58	T.	T		T						T		.03	1.97
Franklin	G																														
Gest, Lock No. 3	K		.17						.01	.11	.10					.08			.25					.03						.08	0.57
Glasgow	G		.10						.20	.33	.20				.50															.25	2.05
Grant, Dam 38	O		.14						.08	.67	.31			T	.02				.04	T.		T		.48		.34			T		2.11
Greensburg	G		.17	.11						.29		.05			.30	.36		.02	.02											.12	1.65	3.09
High Bridge, Lock No. 7	K		.49	T					.10	.50	.14				.40	.44		.34	.13									.03			.05	2.62
Irvington	O								.05	.18	.24		T.		T			.57	T.											.54	.99	2.27
Junction City	K		.28						.66	.05	T			T	1.14	T.				.04											.24	.55	2.70
Lancaster	K		.18						.28	.45					.46	.62															.02	2.01
Leitchfield	G		T						.15	.25								T.	T.											.03	1.03	1.46
Lexington	K		.38					.01	.32	.16	.01			.06	.34			T.	T.			T.								.23	.55	2.06
Little Buckman, Lock No. 8	K		T.	.30					.07	.60	T.				.46	.54			T.	10								.14		T.	.08	2.29
Lockport, Lock No. 2	K		.19						.03	.10	.52				T.	.03		.18	.05					.05							.39	1.82
Louisville	O	T.	.08					T	.06	.36					T.		.06	.45	T.											.01	.82	1.84
Pa. (Cherokee Park)	O		.09						.05	.24	.17				T.			.40	.02											.03	.20	1.20
Mumfordville	G		.20							.07					.17	.14		.01													.03	0.62
St. John	S		.13							.11						.03			.09											.08	0.44
Salvisa, Lock No 6	K		.40	.08					.10	.38	.22				.22	.52												.30		.15	2.37
Scott	L		.34					.75	.75	T.			13	.10				.07	.06				.68			.71			.02	.60	4.25
Shelbyville	S		.41					.20	.51	.11				.66				.12	.29								.17				.35	2.52
Taylorsville	S		.27						.53	.13				.14		.02	.33	.02										T	T	.72	2.16
Tyrone, Lock No. 5	K	.45	.04					.33	.62	.14				.53					T							.02			.46	2.00	4.60
Williamstown	L		.26							.37	.85			.18	.03			.27	.05					.06						.60	2.83
Woodbury, Lock No. 4	G		.20							.07		.10		T.				T.	.02							.09		.04	T.	0.52
Eastern Division																																
Ashland	O			.24						.11	.34			.46	.47			.16			.04	.28		.14	T				.50	2.74
Beattyville	K		.02	.27					.30	.16				.55	1.25			.03								.20			.01	2.76
Berea	K		.22						.28	.14			.06	1.70				.27	.02						T			.30	.34	3.53
College Hill, Lock No 11	K		.20	T.				T	.50	.05			T	.20	.30		T	.03	.05	T.					T			T	.05	.28
Cynthiana	L		.25	.04					.11	.22				T.	.12			.08						.14					.16	1.05
Falmouth	L		.34					.11	.30	.51								.23						.73		.17				.41	2.80
Farmers	L		.23	T.							.20			T	1.10	1.20			T.					.50		T			1.30	4.53
Flemingsburg	L		.10	.30					.50	.56	T				.40			.16						.40		.20			.40	.80	3.56
Ford, Lock No. 10	K		.20	.09					.02	.24	.10				.36	.44		.02	T	.05									.21	.02	1.75
Grayson	L		.05		.14					.22	.18				.04	.44				.07		.01		.46	.12					.46	2.04
Greenup, Dam 30	O		.10	.15						.35					.30	.35				.05		.05		.30		.10				.15	1.90
Haxlan	K																														
Hazard	K		.02	.23					.22	.23	.85				3	.24	T													.83	5.02
Heidelberg, Lock No. 14	K			.24						.22	T				.55	1.51				.06								.17			2.75
Hindman	K		.21					.11		.22				T.	1.15	.43		.03	.08		T.					.35			.68	.24	3.50
Jenkins	K									.85	.12				.29	1.61			.41	.23		.03	.07			.12		.08	.55	1.11	5.47
Louisa	B				.14					.90	.38				.50	.72		.68				.05		.48			.16			.20	3.85
Maysville	O		.11	.02					.18	.15	.30				T.	.16			.11	.01			.01	.55		.32				.57	2.49
Middlesboro	C		.16						.23	.17			.09		.12	1.66	.58		.11	.10							T			.88	4.03
Mount Sterling	L		.06	.34						.26	.11				.48	.27		.03	T.	.04									.08	.57	2.64
Oneonta Dam 35	O		.16							.69	.35								.10					.98		1.26				.05	3.59
Pikeville	B		.03	.12						T	T				.18	1.48				T.				T.		T			1.08	2.89
Prestonsburg	B			.15							.22				.61	1.36			.12	.24				.15		.10				.47	3.72
Quicksand	K			.25					.29	.37					.95	1.85	T		T	T				T.		T	T			.10	3.81
Ravenna, Lock No. 12	K		T.	.25						.22	.12			T	.92	1.25			.12	T						T				T	2.88
Richmond	K		.10	.27				T	1.07	.05					.52	.70	T	T		.05							.26		T.	.08	3.10
Sergent	K		.20						.30	.45		.10		15	1.45	.53		.14		.38						.25			.13	.90	4.98
Valley View, Lock No. 9	K		.17						.25	.17	.16				.82			.20	.17							.37			.22	.30	2.87
Vanceburg, Dam No. 32	O		.36							.13					.41				.26	.03		.05	1.04							.30	2.58
Wayland	B																														
Whitesburg	K		T.						.10	1.60	.10	.13			.40	1.41			.16	.85										.10	4.29
Williamsburg	C		T.	.08					.29	.24		.10			.57	1.90				.07						.05					3.36
Willow, Lock No. 14	K		T.	.25						.19					.96	.84															2.24

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

† Separate dates of falls not recorded. T Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking (K) Kentucky (S) Salt (G) Green (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi. ‡ Cane Oak.

ter; wrecked a house and killed a child near Side View, and destroyed a store with a loss of $14,000 in Menifee County.

Moderate to heavy hail. Dix Dam, Hazard, Williamstown, 10th.

Rivers.—Except for a moderate freshet in the mountain streams on the 15th and 17th, stages were low during the month.

Errata.—April, 1926. Anchorage, partly cloudy days should be 2, cloudy days, 12. Berea partly cloudy days should be 14, cloudy days 12. Richmond, monthly mean temperature should be 52.0° instead of 52.2°. Lexington, maximum temperature on the 27th should be 67° on 28th 66°; mean maximum temperature should be 58.4° and mean monthly temperature 48.8°.

Daily Temperatures for May, 1926.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division	Maximum	85	85	78	66	80	84	85	80	83	79	74	70	70	72	63	81	84	86	79	78	85	76	76	92	94	94	96	89	93	84	87	81.6
Beaver Dam	Minimum	54	52	56	38	40	48	54	59	58	55	53	45	44	44	46	42	49	64	59	44	47	60	39	45	58	56	61	61	59	65	65	52.1
	Maximum	86	75	71	65	78	80	79	78	79	79	69	69	70	63	66	79	80	82	76	73	78	72	73	86	89	89	91	87	90	85	84	78.1
Blandville	Minimum	57	60	55	40	47	58	59	61	56	60	59	52	54	52	45	49	52	65	57	52	54	53	44	55	62	66	68	67	66	70	67	57.0
	Maximum	86	81	77	66	81	84	82	80	81	80	77	69	69	71	66	81	82	85	82	76	80	77	73	90	91	92	92	92	96	85	86	80.3
Cairo	Minimum	54	54	56	58	41	49	54	61	60	58	45	53	48	45	60	46	48	50	63	57	46	49	60	42	47	55	59	63	61	60	69	52.8
	Maximum	87	83	77	63	85	87	84	85	83	82	78	78	78	71	73	66	83	84	86	83	79	82	78	79	92	94	94	97	89	94	87	81.4
Carlington	Minimum	61	58	57	58	59	50	56	58	56	58	55	46	45	45	46	45	58	65	58	46	48	61	40	49	58	60	63	65	62	59	60	52.8
	Maximum	86	85	75	67	80	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84.7
Greenville	Minimum	57	52	57	37	39	48	54	57	55	57	58	48	44	47	45	47	46	60	64	47	47	60	40	47	55	57	62	59	60	65	65	54.0
	Maximum	90	84	74	71	86	81	86	89	85	87	79	74	75	76	66	86	86	90	82	83	84	81	83	96	98	97	98	93	97	86	85	81.3
Hopkinsville	Minimum	59	53	59	39	44	54	57	59	54	59	57	49	45	49	47	43	49	67	63	44	46	61	47	49	54	59	62	64	63	68	66	54.0
	Maximum	90	83	79	69	88	84	84	88	81	81	81	76	69	72	71	70	80	81	82	83	73	77	79	78	89	91	91	93	94	93	94	85.3
Madisonville	Minimum	59	62	54	37	44	54	57	59	54	59	57	49	45	49	47	43	49	67	63	45	47	59	43	49	55	65	68	68	63	65	73	57.1
	Maximum	84	81	79	69	88	84	84	88	81	81	81	76	69	72	71	70	80	81	82	83	73	77	79	78	89	91	91	93	94	93	94	85.3
Marion	Minimum	59	62	54	37	44	54	57	59	54	59	57	49	45	49	47	43	49	67	63	45	47	59	43	49	55	65	68	68	63	65	73	57.1
	Maximum	88	81	73	69	82	83	82	81	81	81	81	76	69	72	71	70	82	85	84	82	73	77	79	78	89	91	91	93	94	93	94	85.3
Mayfield	Minimum	56	55	57	40	43	50	58	60	50	59	55	51	50	51	46	44	50	67	64	45	47	59	43	49	55	65	68	68	63	65	73	57.1
	Maximum	88	79	73	72	84	85	85	86	84	85	74	70	73	73	65	81	86	85	77	80	87	81	80	90	92	91	95	93	95	89	90	81.4
Murray	Minimum	48	49	58	40	41	45	51	54	53	58	57	51	45	47	45	41	44	56	61	46	51	62	44	49	58	59	62	60	59	66	63	53.1
	Maximum	84	82	76	68	81	85	84	86	83	78	69	71	73	76	74	73	76	81	76	78	81	73	74	91	93	93	94	88	95	85	89	81.8
Owensboro	Minimum	57	57	53	35	41	51	54	58	56	56	51	47	43	46	43	46	53	59	55	44	47	58	41	47	57	59	63	64	61	66	66	52.1
	Maximum	86	79	73	79	82	85	83	81	84	80	76	74	73	70	69	82	84	85	79	78	81	77	76	91	94	93	98	93	98	88	89	80.7
Paducah (Iwatt)	Minimum	56	57	55	40	40	57	58	60	56	61	58	52	52	52	52	55	64	56	50	57	57	43	52	55	64	66	69	67	64	70	68	56.5
	Maximum	86	81	69	68	79	82	80	81	81	79	74	68	72	68	65	78	81	86	80	73	78	74	76	88	90	92	93	88	93	84	87	79.8
Princeton	Minimum	54	53	56	38	41	50	58	58	54	57	54	50	46	46	45	41	47	62	56	44	47	60	41	46	58	60	63	62	63	70	64	54.6
	Maximum	87	83	...	70	80	85	84	85	84	85	84	68	69	71	76	61	82	85	87	64	71	82	77	76	91	95	93	95	89	95	87	85.1
Russellville	Minimum	53	68	61	39	...	...	52	55	57	57	60	54	48	44	49	47	47	53	67	62	43	45	53	41	46	58	60	63	62	63	70	54.6
	Maximum	87	85	71	62	77	88	88	85	...	...	81	66	71	71	73	65	82	82	76	70	73	82	72	69	90	93	92	76	85	90	83	85
Sacramento	Minimum	54	57	47	35	40	47	55	54	...	63	47	49	43	45	45	43	50	56	55	42	49	54	35	44	56	54	57	55	59	63	62	50.5
	Maximum	88	86	71	67	79	87	90	87	82	83	68	73	74	76	61	83	84	85	84	77	84	77	74	87	93	87	95	88	96	92	87	87.7
Sebree	Minimum	53	52	55	33	38	47	58	56	54	57	50	40	43	46	46	42	53	62	55	43	46	61	41	45	57	59	63	61	63	67	62	52.7
	Maximum	90	84	74	72	84	90	86	87	86	86	78	74	73	73	69	85	86	86	85	78	80	85	81	79	94	96	96	93	94	87	83	84.1
Bowling Green	Minimum	53	52	59	37	39	49	54	56	55	58	52	46	45	46	46	47	51	62	57	43	45	62	42	46	57	59	63	61	63	67	62	52.7
	Maximum	...	86	82	...	...	...	86	84	82	80	77	70	69	73	70	78	88	86	...	78	...	...	...	...	...	...	...	...	...	...	85	979.7
Dix Dam	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maximum	78	83	78	67	86	86	86	85	78	78	79	69	76	65	76	77	80	77	74	77	77	69	85	91	88	86	84	86	84	84	79.5
Eubank	Minimum	42	56	56	35	38	48	53	55	54	56	49	48	41	53	56	41	52	57	61	43	47	63	38	40	54	54	58	57	62	68	64	51.4
	Maximum	85	85	81	64	74	83	85	84	78	81	68	68	74	73	72	80	83	81	78	80	83	72	71	80	76	68	88	91	91	90	82	87	85	79.5
Frankfort	Minimum	51	51	55	36	41	46	55	56	60	57	49	51	45	47	49	45	54	62	59	46	44	62	40	45	60	57	62	57	60	65	54	52.3
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Franklin	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Maximum	83	82	72	68	84	89	88	85	80	85	72	76	72	71	70	82	82	85	80	79	81	81	85	91	96	94	96	95	98	81	82	83.0
Glasgow	Minimum	56	60	58	35	40	54	51	56	52	56	52	47	45	50	46	42	52	63	58	46	47	62	42	48	59	61	62	59	64	69	64	54.5
	Maximum	84	84	73	62	80	84	85	81	81	81	76	72	71	73	69	79	80	82	78	76	78	76	69	86	85	89	90	86	92	82	87	79.3
Greensburg	Minimum	45	47	55	35	37	42	51	52	50	54	50	48	41	42	43	40	44	58	55	43	40	60	38	41	52	55	58	57	61	60	58	48.6
	Maximum	84	83	73	63	78	85	85	81	81	80	66	71	70	72	64	80	82	83	78	74	80	78	71	87	91	91	86	84	90	83	77	78.9
Irvington	Minimum	52	59	56	35	42	54	58	58	55	56	50	49	45	52	46	47	56	69	57	47	53	59	41	51	64	61	62	58	62	67	59	54.3
	Maximum	88	85	72	62	79	86	85	85	81	81	71	73	70	72	64	80	82	83	78	77	80	78	74	88	93	92	88	86	87	81	82	79.6
Junction City	Minimum	48	48	53	34	36	48	52	54	53	56	48	46	43	47	41	48	46	50	60	41	49	52	40	42	58	56	59	57	60	63	61	50.9
	Maximum	85	83	71	65	81	87	85	82	84	81	68	71	72	74	64	82	85	85	77	77	80	74	73	90	96	98	98	97	97	91	85	80.7
Leitchfield	Minimum	44	54	55	36	40	50	62	60	58	58	50	48	47	50	46	42	46	48	50	61	56	45	43	54	62	57	45	49	58	56	60	53.6
	Maximum	84	84	66	58	75	83	85	83	81	77	78	63	66	66	66	68	68	77	78	79	69	70	77	69	67	85	89	89	88	85	80	78	85	75.2
Lexington	Minimum	60	62	10	34	43	57	63	62	58	58	48	47	48	52	52	47	49	57	62	54	50	56	46	41	55	62	63	59	64	63	64	54.0
	Maximum	85	82	68	62	78	84	86	84	81	80	65	69	69	71	64	81	81	80	71	72	80	69	68	88	92	91	75	83	88	81	82	77.7
Louisville	Minimum	64	61	12	36	46	57	62	65	61	60	48	51	52	52	46	56	62	62	57	60	54	59	46	56	68	68	72	68	70	68	65	56.0
	Maximum	85	84	77	66	77	81	83	82	81	80	68	68	68	70	69	80	81	78	76	79	79	76	69	86	89	89	89	89	89	82	85	85	90	78.6
Mt. Tecumseh Park	Minimum	58	57	53	34	42	50	56	60	57	56	47	49	46	50	46	47	58	58	57	49	48	59	43	49	61	59	63	61	63	68	65	53.3
	Maximum	85	82	73	63	79	85	86	84	84	82	66	73	74	76	62	83	84	84	79	75	83	74	71	90	94	94	86	85	90	83	86	80.5
Nelson	Minimum	52	50	54	34	40	51	54	54	55	56	49	46	42	46	46	48	50	61	56	45	43	54	38	44	51	56	60	57	59	63	64	50.8
	Maximum	83	82	75	57	73	81	84	84	81	80	65	67	67	69	64	63	77	79	78	68	69	78	72	69	85	89	91	88	89	85	83	79.2
Scott	Minimum	57	59	50	32	38	42	45	56	59	53	41	45	46	49	46	43	49	57	56	45	44	45	50	35	45	57	59	58	53	59	66	50.1
	Maximum	87	85	74	63	76	84	89	88	85	81	67	73	72	73	65	80	84	78	70	74	74	71	74	88	92	90	80	83	89	83	84	78.7
Shelbyville	Minimum	50	54	53	32	39	50	56	55	57	53	46	47	43	46	46	42	50	59	56	44	46	60	40	46	58	60	63	61	63	67	62	52.7
	Maximum	84	83	73	60	76	83	85	85	85	80	65	69	69	72	66	81	82	82	76	76	80	69	74	91	93	93	94	88	95	85	89	81.8
Taylorsville	Minimum	46	47	55	33	37	42	54	53	53	55	51	50	50	42	43	47	41	46	58	38	41	43	60	36	41	51	50	50	54	65	63	48.3
	Maximum	86	84	76	58	75	84	87	87	86	79	75	65	65	70	71	78	78	81	80	69	74	74	81	77	78	77	78	80	85	86	87	80.7
Williamstown	Minimum	58	60	54	32	38	52	56	60	60	59	55	42	46	45	49	48	44	58	60	56	46	49	55	38	49	61	62	55	50	54	65	53.3
	Maximum	86	85	78	64	78	84	86	84	84	82	72	73	73	74	70	81	84	86	79	78	81	77	76	91	94	94	96	95	98	81	82	83.0
Eastern Division	**Maximum**	80	83	85	55	74	83	87	88	83	77	69	69	74	74	68	81	84	83	77	71	81	81	78	86	88	90	79	80	81	82	77	79.1
Ashland	Minimum	51	51	47	38	36	46	49	53	51	56	45	48	43	51	53	46	54	57	59	47	43	52	42	42	59	60	63	53	54	61	63	50.4
	Maximum	88	88	71	65	80	85	88	89	83	84	72	71	72	75	72	79	80	85	84	72	78	83	80	92	93	93	77	83	87	87	85	80.4
Beattyville	Minimum	42	46	37	38	36	43	50	53	56	55	50	52	43	50	51	44	44	53	55	43	39	54	38	39	54	53	63	62	58	65	64	48.6
	Maximum	83	84	76	59	76	81	82	81	76	81	68	67	70	72	62	75	79	80	73	69	78	74	64	84	88	88	80	80	82	78	85	76.1
Boyd	Maximum	87	87	74	59	77	84	87	88	84	82	71	72	73	76	70	82	84	85	80	74	80	81	78	89	91	91	89	82	88	85	.....	80.6
	Minimum	57	57	54	35	39	50	57	58	59	56	48	50	48	50	48	50	49	57	63	57	47	44	60	39	54	63	63	62	58	65	.....	54.3
Carter	Maximum	87	86	81	66	78	79	89	90	87	84	69	70	76	76	67	79	82	80	70	76	83	77	...	...	...	...	...	...	50	...	...	79.1
	Minimum	57	56	51	36	37	46	46	49	52	46	35	42	...	37	42	50	50	43	55	...	...	...	...	...	...	...	...	...	...	85	84	83
Farmers	Maximum	42	43	...	31	36	41	47	52	51	...	46	35	42	46	45	50	49	51	50	47	43	51	52	50	47	44	60	63	62	63	66	79
	Minimum	81	87	78	69	76	85	88	91	...	82	71	74	75	73	60	76	82	81	82	76	80	84	81	82	86	87	89	90	80	78	86	79.8
Hindman	Minimum	40	44	55	39	34	41	48	50	...	54	51	49	46	52	51	42	43	51	49	45	42	47	36	38	52	53	56	55	53	59	60	49.2
	Maximum	87	86	86	64	76	86	88	89	81	78	66	69	72	74	67	81	85	83	71	74	77	81	82	81	77	68	87	89	89	90	88	78.6
Maysville	Maximum	51	50	55	36	43	46	52	56	52	49	45	48	43	45	51	44	49	56	61	41	46	59	38	42	61	59	63	61	63	67	62	52.7
	Minimum	88	87	79	70	82	87	90	91	87	85	78	76	78	77	63	79	83	82	77	76	80	84	86	87	88	90	92	90	91	90	87	80.7
Middlesboro	Maximum	86	86	75	57	73	82	86	87	84	82	71	72	73	74	68	78	81	82	74	75	80	84	86	87	88	90	92	90	91	90	87	78.6
	Minimum	46	46	46	36	36	38	46	51	49	52	47	48	40	47	45	42	41	48	54	46	45	47	45	45	47	48	50	49	50	51	50	46.1
Mount Sterling	Maximum	86	86	75	58	75	86	87	88	87	82	74	75	76	76	69	79	82	83	78	74	78	81	82	84	86	87	89	90	91	90	87	81.8
	Minimum	52	51	52	33	39	49	55	55	59	55	47	50	48	50	49	45	45	50	59	55	45	41	55	49	52	52	58	56	55	57	53	49.2
Quicksand	Maximum	89	89	85	67	80	87	89	90	87	84	71	73	73	74	64	79	82	84	74	77	82	83	84	87	89	89	90	90	92	88	88	82.7
	Minimum	42	46	38	39	35	43	46	52	56	52	45	42	45	52	42	45	53	55	49	42	45	53	55	49	53	53	56	55	55	57	54	47.6
Richmond	Maximum	87	86	74	64	77	85	88	89	86	84	73	74	75	76	68	78	82	84	77	76	80	84	86	87	89	90	92	88	88	84	84	81.2
	Minimum	47	46	38	34	35	41	48	50	54	51	45	43	43	49	45	42	45	53	55	49	42	52	53	49	53	53	56	55	55	57	53	48.1
Sergent	Maximum	87	86	78	58	61	84	87	88	87	84	74	77	78	77	73	78	83	83	81	74	81	82	80	87	90	92	88	88	84	84	83	81.2
	Minimum	47	46	38	34	35	41	48	50	54	51	45	43	43	49	45	42	45	53	55	49	42	52	53	49	53	53	56	55	55	57	53	48.1
Williamsburg	Maximum	89	87	80	70	82	89	90	87	86	82	74	77	77	78	73	77	83	83	81	74	77	82	83	84	87	89	90	90	92	88	88	82.7
	Minimum	43	45	38	38	37	41	46	50	53	56	51	48	43	51	46	43	45	52	59	47	42	53	53	49	53	53	56	55	55	57	53	48.1

[illegible] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

[illegible] [illegible] indicate respectively 1, 2, 3, etc., days missing from record.

[illegible] [illegible] [illegible] [

THE LIBRARY OF THE JUN 28 1927 UNIVERSITY OF ILLINOIS
THE LIBRARY OF THE JUN 28 1927 UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., JUNE, 1926. No. 6

GENERAL SUMMARY.

Except for a few days in the second week, temperatures averaged almost continuously below normal and were generally unfavorable for the growth of warm weather crops. The corn crop, already delayed by late planting, made less than normal progress. The cool weather was favorable for transplanting tobacco, resulting in a better stand than is usually obtained in warm Junes. During the first two weeks sufficient rain occurred in all districts to enable farmers to set tobacco, and most of this work was done within that period. There were extraordinary contrasts in precipitation, some districts receiving plenty of rain while others suffered from more or less severe drought. In the south-central counties, including the southern bluegrass region, precipitation was sufficient for the needs of all crops. Within this district the progress of corn, tobacco, and forage crops was satisfactory. In the area outside of this moist region, including most of the immediate Ohio Valley, the Purchase, and bordering counties to the eastward, the Big Sandy Valley, and the southeastern mountain region, vegetation suffered for moisture, and some crops such as potatoes, truck, timothy, and oats were seriously injured and reduced in yield. Raspberries dried on the bushes and gardens supplied few vegetables. In the dry districts the effect of the weather on tobacco and corn was mainly to prevent seasonal growth and to cause marked irregularity in size of plants. Wheat matured and ripened rather slowly but in excellent condition, and harvest proceeded rapidly during the week. In the extreme western counties the size of heads had been somewhat affected by the continued dry weather. Cotton made fair progress, delayed somewhat by the cool weather, but it was not hurt by the drought. Except in a few localities, principally in the Green River Valley, where local rains interfered, corn and tobacco were exceptionally clean and well cultivated.

TEMPERATURE.

The average temperature for the State, based on the reports of 42 stations, was 70.9°, which is 3.0° below normal. Minimum temperatures below 50° occurred at many stations in the periods 5-7th and 27-28th. They were below 60° on many days, especially in the northern and eastern counties. Maximum temperatures seldom reached 90°. The highest was 98° at Hopkinsville and Murray on the 13th and at Bowling Green on the 17th; and the lowest 42° at Junction City on the 6th.

PRECIPITATION.

The average for the State, 81 stations reporting was 3.44 inches, which is 0.65 inch less than normal. The distribution exhibited remarkable contrasts. In the district between the middle Green River Valley and the western edge of the mountains, amounts ranged between 4.0 and 9.0 inches at most stations. A small area in the Lower Licking Valley also received over 4.0 inches. In other districts precipitation varied generally between 1.0 and 3.0 inches, being lightest near the Ohio and Mississippi rivers. Heavy rains occurred quite generally on the 1st, and locally in the central counties on the 13th, 18th, and 22d. There were local showers in the periods 4-7th, 12-15th, and 18th-22d. Practically all rain attended thundershowers, which occurred almost daily in some parts of the State. Precipitation extremes were 0.86 inch at Louisville and 9.29 inches at Munfordville.

MISCELLANEOUS.

June 12.—Squalls attending thunderstorms caused much damage to buildings, timber, crops, and wire systems in Mercer, Woodford, and Fayette counties.

Rivers:—Except for freshets in small streams caused by local rains, particularly in the upper Green River Valley, stages were low during the month.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. In inches reduced to sea-level. Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement	Av. hourly velocity.	Max. Velocity.* Miles per hour	Direction	Date
Cairo ..... Ill.	29.94	30.19	9	29.59	14	5713	7.9	28	w	14
Cincinnati ..... Ohio	29.94	30.20	10	29.50	6	4867	6.8	38	nw.	24
Evansville ..... Ind.	29.97	30.20	10	29.58	14	7125	9.9	35	w	2
Lexington ..... Ky.	29.96	30.26	10	29.60	14	5863	12.3	57	nw	17
Louisville ..... Ky.	29.96	30.22	10	29.58	14	7725	10.7	38	nw.	12

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more	20 per cent or less
Cairo ..... Ill.	73	47	50	330.1	440.1	75	17	1
Cincinnati ..... Ohio.	71	48	66	325.6	446.0	73	14	2
Evansville ..... Ind.	64	43	46	361.0	443.0	81	21	1
Lexington ..... Ky.	73	54	....	307.7	443.0	69	11	2
Louisville ..... Ky.	68	47	52	339.0	443.6	77	17	1

COMPARATIVE DATA FOR JUNE.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01 in. or more rain.
1889	70.6	− 3.3	89	38	3.25	+1.18	..
1890	78.4	+ 4.5	101	51	4.96	+0.87	..
1891	77.1	+ 3.2	97	51	4.48	+0.39	..
1892	75.8	+ 1.9	101	48	4.23	+0.34	..
1893	73.3	− 0.6	97	46	4.64	+0.55	..
1894	75.6	+ 1.7	102	55	2.69	−1.40	..
1895	76.9	+ 2.0	104	47	3.63	−0.46	..
1896	73.5	− 0.4	98	46	4.64	+0.55	10
1897	73.4	− 0.5	101	41	3.61	−0.48	9
1898	76.2	+ 2.3	104	45	3.90	−0.19	9
1899	76.1	+ 2.2	100	44	2.80	−1.29	8
1900	73.9	0.0	100	46	6.14	+2.05	14
1901	75.6	+ 1.7	104	42	3.97	−0.12	9
1902	73.4	− 0.5	101	39	4.75	+0.66	11
1903	68.6	− 5.3	96	37	3.61	−0.48	10
1904	73.2	− 0.7	99	48	3.14	−0.95	11
1905	74.8	+ 0.9	106	45	4.49	−0.40	10
1906	73.9	0.0	97	42	4.53	+0.44	11
1907	70.2	− 3.7	95	41	4.91	+0.82	11
1908	73.4	− 0.5	102	43	4.56	+0.27	12
1909	74.5	+ 0.6	99	43	5.03	+0.94	14
1910	70.9	− 3.0	99	36	5.29	+1.11	10
1911	75.2	+ 1.3	106	45	4.06	+0.03	10
1912	70.2	− 3.7	95	38	2.48	−0.61	10
1913	78.0	+ 4.1	107	38	2.87	−1.22	7
1914	78.7	+ 4.8	103	45	5.30	−1.79	5
1915	77.7	+ 3.8	99	47	4.79	+0.70	12
1916	70.1	− 3.8	99	37	4.91	+0.82	11
1917	70.9	− 3.0	100	39	4.30	+0.21	10
1918	73.6	− 0.3	104	37	3.63	−0.46	7
1919	76.7	+ 2.8	103	51	4.00	−0.09	10
1920	71.9	− 2.0	103	44	3.12	−0.97	7
1921	75.8	+ 1.9	106	46	2.90	−1.19	7
1922	75.4	+ 1.5	100	44	3.10	−0.99	9
1923	73.8	− 0.1	98	42	4.79	+0.70	9
1924	74.2	+ 0.3	99	42	4.39	+0.30	12
1925	77.0	+ 3.1	103	42	3.90	−0.19	7
1926	70.9	− 3.0	98	42	3.44	−0.65	8

Climatological Data for June, 1926.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	22	71.8	— 2.4	95	12†	47	6	39	3.38	+0.21	0.90	0	6	27	0	3	w.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	44	72.8	— 2.2	92	17	50	5	32	2.03	—2.33	0.54	0	7	13	8	9	sw.	E. W. Horr.
Calhoun	McLean	437	22	71.4	— 4.0	93	13	49	28	35	3.24	—0.35	1.81	0	10	7	20	3	e.	W. A. Taylor.
Earlington	Hopkins	420	36	73.2	— 2.5	95	11†	47	28	41	3.18	—0.25	1.15	0	10	23	1	6	sw.	Brick Southworth.
Greenville	Muhlenburg	519	9	[2]71.9	— 3.0	[3]96	12	[4]47	6†	[5]40	3.90	0.11	1.00	0	9	[6]18	[6]10	[6]0	s.	C. R. Lovell.
Hopkinsville	Christian	524	30	74.0	— 1.5	98	13†	49	6	41	2.14	—2.14	1.35	0	11	11	4	15	se.	W. E. Graves.
Marion	Crittenden	364	17	[7]73.9	— 0.5	[8]96	11†	[9]49	28	[5]40	1.06	—2.52	0.40	0	4	13	11	6	sw.	B. C. Paris.
Mayfield	Graves	412	0	76 5	.....	98	13	52	28	38	3.14	+0.29	1.00	0	6	[3]2	[3]4	[3]2	sw.	Mrs. C. R. Sowell.
Murray	Calloway	479	29	71.0	— 3.3	93	17	50	5†	37	1.62	.....	0.77	0	3	15	9	6	s.	Harry B. Arnold
Owensboro	Daviess	516	9	74.2	— 2.8	96	30	49	5†	41	3.36	—0.39	1.43	0	10	17	4	9	sw.	Henry S. Berry.
Paducah (near)§	McCracken	341	37	.....	.....	.....	.....	.....	.....	.....	2.18	—1.75	0.80	0	5	21	7	2	w.	J. W. Lilley
Paducah	McCracken	529	19	71.2	— 4.5	94	30	50	5†	34	3.19	—1.33	1.25	0	5	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	384	9	.....	.....	.....	.....	.....	.....	.....	1.50	—2.07	0.45	0	7	12	11	7	s.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	590	15	71.1	— 3.8	97	17	48	28	39	3.44	—0.35	1.80	0	9	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	384	9	.....	.....	.....	.....	.....	.....	.....	4.12	—1.17	1.82	0	10	[2]0	[4]4	[5]5	w.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	25	70.0	— 1.9	94	17†	46	5†	43	1.19	—2.44	0.59	0	7	18	8	4	sw.	C. E. Barret.
Bardstown	Nelson	637	29	71.4	— 3.1	96	11	45	6	40	3.38	—0.71	1.07	0	8	16	4	10	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	72.6	— 3.2	98	17	49	5†	40	2.53	—1.34	0.65	0	8	16	13	1	s.	Mrs. Lillie G. Causey
Bowling Green, No. 2	Warren	469	1	.....	.....	.....	.....	.....	.....	.....	4.75	.....	1.75	0	9	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	9	.....	.....	.....	.....	.....	.....	.....	7.07	+3.17	2.37	0	10	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	35	.....	.....	.....	.....	.....	.....	.....	4.99	+0.87	1.84	0	11	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	27	.....	.....	.....	.....	.....	.....	.....	3.80	+0.21	2.27	0	10	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	12	.....	.....	.....	.....	.....	.....	.....	5.03	+0.95	2.35	0	12	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	0	.....	.....	.....	.....	.....	.....	.....	2.83	.....	1.44	0	9	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	2	[2]70.0	.....	92	11	47	5	37	5.03	.....	1.27	0	12	13	8	3	w.	Geo. Henry Ellis.
Eubank	Pulaski	1177	32	68.4	3.0	90	12	43	6†	36	3.77	—0.31	1.14	0	6	16	9	5	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	34	70.8	— 2.8	92	17	47	6	36	2.82	—0.38	1.00	0	9	18	2	10	s.	Sidney Wood.
Franklin	Simpson	691	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jos.H. Blewett.
Gest, Lock 3	Henry	449	15	.....	.....	.....	.....	.....	.....	.....	3.22	—0.81	1.20	0	10	.....	.....	.....	.....	Albert Parvis.
Glasgow	Barren	780	5	71.5	.....	95	12†	49	8	38	6.20	.....	1.65	0	10	14	3	13	s.	Dr. Fidella Edwards.
Graul, Dam 38	Boone	506	1	.....	.....	.....	.....	.....	.....	.....	3.20	.....	1.20	0	8	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	581	33	68.4	— 4.9	90	12	44	6	33	5.64	+1.19	1.42	0	13	6	6	18	s.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	550	24	.....	.....	.....	.....	.....	.....	.....	4.73	+0.81	1.02	0	11	.....	.....	.....	.....	Miss Lula Wood.
Irvington	Breckenridge	646	28	70.8	— 2.9	92	11	48	6	33	1.71	—2.28	0.88	0	5	15	8	7	sw.	J. Pigrott.
Junction City	Boyle	985	32	68.6	— 3.5	91	11	42	6	39	5.54	—1.83	1.06	0	15	10	20	0	sw.	William E. Grubbs.
Lancaster	Garrard	1032	0	.....	.....	.....	.....	.....	.....	.....	5.29	.....	1.64	0	11	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	635	30	70.6	— 2.6	91	12	48	5	31	6.15	+2.42	1.50	0	9	8	19	3	sw.	H. H. Willis.
Lexington	Fayette	989	42	69.4	— 2.8	89	17	51	5	27	2.78	—1.21	0.77	0	14	15	11	4	sw.	U. S. Weather Bureau.
Little Hickman, Lock 8‡	Jessamine	523	15	.....	.....	.....	.....	.....	.....	.....	4.32	+0.15	0.90	0	11	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	16	.....	.....	.....	.....	.....	.....	.....	1.24	—3.30	0.56	0	7	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	53	71.4	— 3.3	90	11	52	27	29	0.86	—3.37	0.30	0	7	9	17	4	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	16	69.8	— 3.2	89	17	48	6	33	2.00	—1.76	0.97	0	8	14	12	4	ne.	Wm. I. Hunt
Munfordville	Hart	600	1	.....	.....	.....	.....	.....	.....	.....	9.39	.....	1.98	0	11	.....	.....	.....	.....	C. R. Richardson.
St. John	Hardin	777	30	70.2	— 2.5	92	11†	45	6	37	4.86	+0.83	1.36	0	11	22	3	5	.....	Sisters of Loretto.
Salvisa, Lock 6‡	Mercer	490	12	.....	.....	.....	.....	.....	.....	.....	6.89	+2.33	1.65	0	11	.....	.....	.....	.....	Ernest M. Searcy.
Scott¶	Kenton	900	28	67.1	— 4.6	90	30	48	27	30	2.39	—1.20	1.18	0	7	10	15	5	n.	E. B. Wilson.
Shelbyville	Shelby	825	37	70.0	— 3.5	95	17	45	5	41	2.22	—2.14	1.47	0	9	12	2	16	n.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	24	70.2	— 2.3	91	11†	45	28	43	2.16	—2.10	0.87	0	11	18	3	9	ne.	E. D. Bourne.
Tyrone, Lock 5‡	Anderson	526	8	.....	.....	.....	.....	.....	.....	.....	1.74	.....	0.80	0	8	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	23	69.6	— 1.6	93	30	50	5†	31	4.05	+0.21	1.95	0	10	9	17	4	w.	Mrs. E. S. Hunnlong.
Woodbury, Lock 4‡	Butler	533	9	.....	.....	.....	.....	.....	.....	.....	4.12	+0.44	1.63	0	12	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	9	68.5	— 5.4	92	17	47	6	40	2.87	0.67	0.80	0	10	15	3	12	sw.	Curtis Curtis.
Beattyville	Lee	650	22	69.8	— 2.9	92	11†	48	6	39	3.12	—1.42	0.46	0	12	9	15	6	w.	Robert S. Smallwood.
Berea	Madison	1070	24	69.0	3.9	89	12	46	6	32	3.69	—0.86	1.35	0	12	3	20	7	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	601	16	.....	.....	.....	.....	.....	.....	.....	3.66	—0.25	0.80	0	13	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	8	.....	.....	.....	.....	.....	.....	.....	3.13	.....	0.96	0	8	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	37	.....	.....	.....	.....	.....	.....	.....	5.12	+0.95	1.55	0	9	18	7	5	s.	J. V. Oldham.
Farmers	Rowan	668	18	.....	.....	94	17	.....	.....	.....	1.54	—2.73	0.37	0	7	24	2	4	e.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	841	1	.....	.....	.....	.....	.....	.....	.....	2.11	.....	0.50	0	9	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10‡	Clark	593	10	.....	.....	.....	.....	.....	.....	.....	4.52	+0.94	1.31	0	12	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	1	.....	.....	.....	.....	.....	.....	.....	2.23	.....	0.65	0	11	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	6	.....	.....	.....	.....	[4]45	6	.....	3.63	.....	0.75	0	11	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	2.37	.....	0.70	0	7	[7]7	[5]8	[7]8	.....	Mrs. Agnes Farley
Hazard	Perry	869	2	.....	.....	.....	.....	.....	.....	.....	3.62	.....	1.54	0	6	.....	.....	.....	.....	Chas. A. Durig.
Heidelberg, Lock 14	Lee	664	9	.....	.....	.....	.....	.....	.....	.....	3.07	—1.06	0.75	0	11	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Lake Napier.
Jenkins	Letcher	1566	1	.....	.....	.....	.....	.....	.....	.....	2.40	.....	0.76	0	8	.....	.....	.....	.....	R. R Davidson.
Louisa	Lawrence	581	22	.....	.....	.....	.....	.....	.....	.....	3.84	—0.95	1.81	0	7	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	29	69.6	3.6	93	17	47	27	39	2.61	—1.34	0.68	0	9	10	13	7	s.	Perry E. Bennett
Middlesboro	Bell	1128	30	70.2	— 2.2	95	12	44	6	40	3.18	—1.31	1.23	0	6	23	4	3	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	36	68.2	4.2	91	17	46	6	36	4.19	—0.94	2.03	0	11	11	12	7	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	4	.....	.....	.....	.....	.....	.....	.....	4.90	.....	1.57	0	7	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	686	20	.....	.....	.....	.....	.....	.....	.....	1.92	—2.47	0.38	0	8	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	1	.....	.....	.....	.....	.....	.....	.....	2.75	.....	0.88	0	7	.....	.....	.....	.....	E. C. Bull.
Quicksand	Breathitt	732	1	69.8	.....	92	11	50	28	40	3.67	.....	1.00	0	8	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	8	.....	.....	.....	.....	.....	.....	.....	4.00	.....	0.93	0	11	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	35	70.0	3.5	90	11†	52	5†	30	3.06	—0.89	0.55	0	12	11	11	8	.....	J. W. Crooke.
Sergent	Letcher	1235	3	[7]71.0	.....	[3]93	12†	[4]44	7	41	2.49	.....	0.60	0	10	[5]15	[11]11	[2]5	s.	Mary Rockwell.
Valley View, Lock 9	Madison	541	13	.....	.....	.....	.....	.....	.....	.....	4.29	0.16	0.98	0	10	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	11	.....	.....	.....	.....	.....	.....	.....	2.04	—1.52	1.30	0	5	.....	.....	.....	.....	H. M. Fannin.
Wayland	Floyd	700	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitesburg	Letcher	1142	1	.....	.....	.....	.....	.....	.....	.....	1.03	.....	0.40	0	6	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	930	29	72.2	1 6	95	12	47	6	42	4.02	0.40	0.85	0	11	22	6	2	.....	Lawrence R. Uhl.
Willow, Lock 13	Lee	611	7	.....	.....	.....	.....	.....	.....	.....	4.17	.....	0.90	0	10	.....	.....	.....	.....	Shelby Angel.
State averages and extremes				70.9	.....	98	13†	42	6	43	3.41	0.65	2.37	0	8	15	9	6	sw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Also on other dates. * Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.

¶ Postoffice addresses: Lock 2, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky. §Lone Oak.

Daily Precipitation for June, 1926.

Stations		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																	
Beaver Dam	G	.60				.18								.90		.65			.50														
Blandville	M	.01		.18					.01	.02	T.				.42						.54		.12					.07					
Calhoun	G	.06		.06	.04	.05			.02	T.		.29	T		1.81						.28		.34										
Earlington	G	.69			.16	.02			.01	.05	.04			.07		.49		T	.60														
Greenville	G	.85		T.	.25	.14				.05				.45	1.90	.01	T		.45				.55										
Hopkinsville	C	1.35			.63	.02			.01	.02	.09					.30			.17	.08	.05		.68	T									
Marion	O									.40			.14							.40													
Mayfield	M	1.00								.60																							
Murray	T				.30					.77					.85						.29		.39										
Owensboro	O	1.45			.04	.04		T	T				.38	.36	.03	.07		T	T	.35	.03			.55										
Paducah (near) ¶	O	.80		.10						.65		.08								.50					T		.63						
Paducah	O	1.25							.15	1.12	.16		T							.51													
Princeton	G		T	.13	T		T		T	.22					.17			.16		.36			.45							.01			
Rumsey, Lock No. 2	G	.31			.06	.03							.28			1.80				.21	.07		.40				.28						
Russellville	G	1.82			.57	.27				.03	.02					.01			.10		.07		1.21	.02									
Central Division																																	
Anchorage	O		.59		T.	.02	.06						.31	.03	.05			.13					T										
Bardstown	S	1.07				.14		.03						.85	.36	.05			.63														
Bowling Green	G				.15	.10					.02			.25		.20			.65	.03			.25										
Bowling Green, No. 2	G	1.55			.20	.24					.02			.07		.84			.64	.19			.83										
Brownsville, Lock No. 6	G	2.37			.12	.39								1.07		.81			.54	.02	.07		1.60				.68						
Burnside	S	1.84			.15	.36		T.	T.	.05				.82	.30	.45			.24		.20		.59	.65		T.							
Carrollton (Lock No. 1)	K	2.27			.01	.03		.37						.07		.91			T.				.01				.07			.04			
Cloverport	O	.95			T.	.02		.11					.01	.35	.12	.10			.55	.23	.03		.41	T			.15			T			
Cold Spring, Dam 36	O	1.44	T	T.				.28					.28			.55					.03	.01	.09			.02				.16			
Dix Dam, Burgin	K	.86	T		.03	.17		.21						.66	.92	.08	T.		.75		.05		1.27	.01			.02						
Eubank	K	1.14			.08	.46								.80		.90			.45													
Frankfort	K	1.00			T	.02		.30						.40	.30	.03			.62		.10		.04			T.							
Franklin	S																																
Gest, Lock No. 3	K	1.20				.12		.56						.38	.04	.08			.48		.03		T.		f	.65			.04				
Glasgow	G	1.30			.30			.50						1.30	.40				.35		.30		1.65						.26				
Grant, Dam 38	O	1.20			T.	.02		.60					.90	T.		.39	T.			T.	.04		T.		.02	T.	T			.03			
Greensburg	G	1.42			.01	.30		.04		.04				.85		.42			1.35	.07	.12		.87	.02			.12						
High Bridge, Lock No. 7	K	.96	.01		.07	.22		.10						1.02	.45	.06			.77	T.	.10		.97										
Irvington	O			T.	T.	T.		T.					T.	.88	T.				.29		.26		.09				.19						
Junction City	K	.70			.18	.20	.01	.18	T				.28	1.06	.48	T.			.17	.47	.09	.01		.82	T.		.85	.04						
Lancaster	K	.76			.06	.18		.34					.64	1.64	.52					.61			.47				.66			.01			
Leitchfield	G	1.45			T.	.20		T.	T.	T.		.05		1.25	.40			T.		.20	1.50	.65					.45						
Lexington ***	K	.41			.23	.10	.05						.23	.52	.07			.77		.01		.27	.01	.08		.01	.02			T			
Little Hickman, Lock No. 8	K	.50			.08	.21		.20						.72	.68	.10			.50		.08		.90				.35						
Lockport, Lock No. 2	K			.01	.08		.56						.22	T.				.28	.01		.06							T.				
Lotsville ***	O			T.	.05		.11					T.	.12	.18	.24			.05		.11		T.		T.		T			T			
Do. (Cherokee Park)	G	.97			.02			.20				T.	.04	.28	.26			.13		.10		T.							T			
Munfordville	G	1.98			.25			.14		.02			1.15	.46		1.83			.70		.14		1.70				1.02						
St. John	S	1.36			T	.10		.05						1.20	.15	.01			1.17	.02	.07		.50				.23						
Salvisa, Lock No 6	K	1.30				.10	.28	.18						1.65	.50	.23			1.56				.50				.38			.07			
Scott	L	1.18		T.	T.		.22	.01					.40		.52					.03						.03			T.			
Shelbyville	S	1.47			T.	.05		.03						.14		.19			.29		.03		.04				.08			T			
Taylorsville	S	.33			T	.06	T.	.10				T.	T.	.87	.13			.08	.12	T			.14		.03	.10			.20				
Tyrone, Lock No. 5	K	.30		.03	.18		.13							.80	.02	.06						.22										
Williamstown	L	1.95				.13		.34					.39	.01		.18			.63	T.			.22				.17			.03			
Woodbury, Lock No. 4	G	1.63			.15	.33		.05		.06	.02		.04	.60		.12				T.	.28		.68				.16			T			
Eastern Division																																	
Ashland	O	.40	.80		.20	.40		.37						11		.04			.36				.14	.05									
Beattyville	K	.45			.25	.26		.32						.46	.24	.84			.06		.03		.11	.07			.03						
Berea	K	.27			.30	.18		.27					.12	1.35	.09	T.		.42	.31	.05			.31				.02						
College Hill, Lock No. 11	K	.55			.05	.25		.10						.45	.55	.10			.29		.10		.29	.08	.05		.80						
Cynthiana	L	.56				.25		.35					.55	.24					.68				.05		T.		T.			.05			
Falmouth	L	1.55				.10		.01					.82			.57			.16	T.	T		.18				1.07			.07			
Farmers	L	.34			.20	.18		.37						T		.10			.20				.15				T.						
Flemingsburg	L		.26		.50			.50					.20		.10		.15	.20	.10														
Ford, Lock No. 10	K	.55	.03		.67	.25		T.						.42	.59	.04			1.31		.06		.34	T.	T.		.62	.24		.10			
Grayson	O	.65	.42		.08	.22		.09						.12		.16			.31				.04	.04	.10								
Greenup, Dam 30	O	.35	.60		.10	.33		.30					.02	.25		.40			.46				.75							.07			
Harlan	K	.01			.30									T.	.16	.70				.60	.20		.40										
Hazard	K	1.52			.11	.92								.23			.20																
Heidelberg, Lock No. 14	K	.30			.27	.32		.44						.28	.37	.75			.07		.03		.10										
Hindman	K																																
Jenkins	K	.05		.07	.28								.76		.51						.06		.04	.68									
Louisa	B	1.81			.45	.35								.38		.18			.32					.35									
Maysville	O	.30	.15		T.	.21		.44					.38			.01			.30				.68			T.				.14			
Middlesboro	C				.09					1.23				1.20	.15					.32			.19										
Mount Sterling	L	2.03			.15	.10							.11	.51	.08	.16			.44		.08		.03		.50								
Oneonta Dam 35	O	1.57	.18					.31					.55			1.07							1.01		T.								
Pikeville	B	.34			.12	.38		.12						.34		.38			.06	T.			.18							.18			
Prestonsburg	B	.45				.47		.15						.88		.27			.35														
Quicksand	K	1.00		.20		.45		.38					.74		.10	.65				T.			.15	T.									
Ravenna, Lock No. 12	K	.64	T.		.12	.56		.22						.23	.60	.35	T.		.58		.05		.24	T.			.12						
Richmond	K	.34		T.		.36			.18					.55	.45	.20			.40		.08		.35	.05			.05	.05					
Sergent	K	.20			.20			.40					.03	.25		.38					.02		.60	.26			.09						
Valley View, Lock No. 9	K	.75			.30		.10						.20	.70	.17			.98		.09			.80			.20						
Vanceburg, Dam No. 32	O							.45					.20										1.30				.05			.04			
Vayland	B																																
Whitesburg	K								.06																								
Williamsburg	C	.85			.10	.11		.11		.20				.43	T.	.58			.26				.40	.34			.01						
Willow, Lock No. 13	K	.82			.50	.21		.42						.50	.22	.25	.75		.10				.30										

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

; Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

Daily Temperatures for June, 1926.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	80	83	78	74	75	80	89	84	76	89	94	95	93	88	74	85	95	85	82	83	89	84	84	86	88	83	79	84	91	91	..	84.7
	Minimum	67	58	58	56	49	47	60	59	55	53	61	69	69	65	55	59	66	67	62	56	60	62	57	54	62	61	54	49	52	65	..	58.9
Blandville	Maximum	77	79	78	69	75	81	89	78	76	87	91	91	91	86	77	85	92	85	76	82	86	81	82	84	86	82	78	85	88	91	..	82.8
	Minimum	65	62	61	56	50	57	63	64	63	63	70	73	74	74	60	56	73	66	62	61	65	64	58	58	63	63	58	54	54	55	67	62.8
Calhoun	Maximum	79	83	81	72	74	81	88	86	76	87	90	92	93	88	77	81	91	89	79	81	88	85	88	89	91	86	83	89	95	95	..	83.5
	Minimum	66	56	59	55	50	50	60	59	56	53	62	68	70	72	61	56	68	68	61	58	58	64	64	64	64	60	60	66	47	52	69	59.4
Earlington	Maximum	83	84	80	74	77	81	91	87	79	91	95	95	95	86	78	88	95	88	82	87	90	84	84	88	89	85	81	88	93	95	..	86.4
	Minimum	66	61	60	56	48	49	49	61	57	55	64	72	70	70	62	55	72	68	62	59	59	65	57	55	60	60	56	47	52	69	..	59.9
Greenville	Maximum	82	87	80	76	75	82	95	..	79	91	93	96	92	90	80	..	93	95	91	89	93	94	90	85	87	83	81	89	90	95	..	86.1
	Minimum	68	56	59	55	49	47	60	..	55	53	60	66	68	69	60	..	53	66	61	56	56	61	56	54	59	58	53	47	51	63	..	57.7
Hopkinsville	Maximum	81	85	83	75	78	82	92	85	82	93	96	97	98	90	78	93	98	91	89	91	94	84	88	91	91	86	83	90	94	94	..	87.7
	Minimum	66	55	60	58	51	49	60	62	59	58	64	66	72	73	62	55	68	66	64	58	60	62	57	56	63	64	58	51	63	61	..	60.4
Marion	Maximum	85	82	83	78	74	79	88	87	90	86	92	94	95	86	81	83	93	96	78	82	87	89	83	87	88	85	79	88	89	97	..	86.1
	Minimum	64	61	62	54	50	57	62	64	60	65	72	72	72	74	60	55	72	66	60	60	67	64	59	61	65	61	55	57	60	70	..	62.7
Mayfield	Maximum	80	83	79	72	76	85	92	89	80	87	96	96	93	90	79	87	94	86	81	83	92	89	85	90	90	89	80	88	..	..	..	86.3
	Minimum	64	60	60	55	50	55	61	63	59	61	69	71	73	68	60	56	73	66	62	60	64	64	59	67	61	61	59	49	53	..	..	61.5
Murray	Maximum	82	84	89	79	82	80	90	94	89	90	97	98	90	85	91	95	91	89	93	94	90	85	91	93	89	85	90	92	95	..	..	89.1
	Minimum	69	62	61	61	56	54	64	66	63	62	69	70	73	76	66	63	70	71	66	64	62	65	61	59	67	64	62	52	57	63	..	63.9
Owensboro	Maximum	78	83	71	73	76	81	86	84	78	81	91	90	88	85	82	85	93	85	80	83	87	82	86	89	89	85	82	90	93	96	..	86.3
	Minimum	66	58	58	55	50	50	55	57	56	51	61	67	68	69	57	57	67	66	59	58	58	62	56	57	59	58	55	53	63	65	..	59.6
Paducah (near)	Maximum	81	82	78	73	78	84	91	86	82	88	94	94	94	88	80	88	95	88	77	85	91	86	86	87	89	85	82	90	93	96	..	86.4
	Minimum	65	61	59	56	49	55	62	62	59	62	71	72	73	75	60	57	74	64	62	62	66	65	57	57	62	61	59	49	59	68	..	62.1
Princeton	Maximum	77	80	73	71	72	77	87	86	78	86	91	93	93	83	79	85	91	81	81	81	87	80	79	82	85	81	76	84	84	94	..	82.6
	Minimum	64	56	60	54	50	50	59	62	58	58	64	68	71	72	60	54	70	68	61	59	59	61	58	56	60	60	56	50	53	63	..	59.8
Russellville§§	Maximum	79	84	80	70	71	78	86	82	79	83	92	93	94	83	69	87	97	85	77	83	88	78	80	83	88	79	77	86	91	93	..	83.2
	Minimum	65	56	60	57	51	50	58	63	58	55	60	69	70	73	62	53	60	64	66	57	59	62	56	56	61	64	57	48	52	57	..	59.0
Central Division.																																	
Anchorage	Maximum	78	83	74	68	70	78	82	83	88	89	93	89	88	88	73	80	94	84	77	84	87	82	85	86	88	83	81	88	93	94	..	83.7
	Minimum	63	55	53	55	46	46	53	49	50	51	59	70	68	70	58	59	61	62	62	56	59	58	56	51	57	55	47	47	50	65	..	56.4
Bardstown	Maximum	79	83	77	71	75	79	85	85	88	90	96	94	90	88	76	81	94	84	79	85	87	81	84	86	89	83	81	88	92	94	..	84.6
	Minimum	65	57	56	55	48	45	55	54	53	53	57	69	68	74	61	60	68	65	64	55	61	63	56	54	59	58	52	48	52	64	..	58.1
Bowling Green	Maximum	87	85	83	73	72	81	91	87	80	91	95	96	96	90	77	86	96	88	85	88	88	83	88	88	88	88	83	88	93	96	..	88.4
	Minimum	64	56	61	56	49	49	59	63	57	55	60	65	68	70	61	53	62	64	63	55	59	61	53	55	63	62	55	50	53	62	..	58.8
Dix Dam	Maximum	76	82	81	68	70	77	..	..	..	..	92	..	90	87	72	78	90	83	80	80	84	82	80	82	78	79	80	82	86	88	..	83.1
	Minimum	64	57	56	51	47	50	..	..	..	..	..	..	67	68	61	59	60	65	63	59	63	64	57	56	60	59	53	49	53	63	..	58.5
Eubank	Maximum	75	78	76	75	68	74	74	79	80	85	89	90	84	83	81	82	81	87	74	80	82	78	79	80	82	76	76	75	81	87	84	80.0
	Minimum	62	49	57	56	50	43	43	54	53	51	52	67	66	68	63	63	69	61	60	61	61	56	57	57	51	55	62	61	50	51	60	56.9
Frankfort	Maximum	77	83	82	70	71	77	81	83	83	85	91	91	86	90	79	77	92	82	80	80	86	84	83	84	84	82	78	83	89	91	..	82.8
	Minimum	66	56	66	57	51	47	55	54	52	54	58	69	69	71	60	61	60	66	65	58	63	66	56	55	59	61	52	50	53	67	..	58.9
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Glasgow	Maximum	82	82	81	71	70	76	73	87	79	90	94	95	95	89	75	88	92	88	85	84	79	89	85	85	86	86	85	89	91	88	..	84.4
	Minimum	64	56	60	55	50	52	50	49	56	56	60	69	67	72	62	55	67	64	62	57	61	61	58	54	62	58	55	51	54	62	..	58.6
Greensburg	Maximum	78	82	78	70	69	75	83	80	76	85	89	90	87	85	73	77	87	81	76	79	83	79	78	80	83	80	75	80	83	83	..	80.0
	Minimum	68	51	57	55	48	44	57	54	52	51	54	63	66	67	61	54	60	63	61	56	59	63	58	53	57	62	54	47	51	57	..	56.9
Irvington	Maximum	77	83	78	71	73	77	83	81	79	86	92	89	89	87	76	79	90	81	75	80	84	78	80	81	84	80	80	83	87	89	..	81.7
	Minimum	59	63	56	56	50	48	59	59	56	55	63	72	69	69	60	59	67	67	67	61	57	68	64	57	55	62	60	52	53	64	..	60.0
Junction City	Maximum	78	79	81	68	74	75	84	82	82	89	91	90	86	90	73	79	89	85	78	81	84	77	81	82	81	83	79	85	88	89	..	82.1
	Minimum	63	53	55	57	49	42	54	57	51	49	53	57	51	60	55	59	59	66	63	55	60	63	56	53	55	60	49	48	51	50	..	55.1
Leitchfield	Maximum	77	81	76	70	73	76	85	83	74	88	90	91	90	86	72	82	90	83	76	81	84	78	80	82	84	80	77	83	87	85	..	81.5
	Minimum	64	55	59	56	48	49	65	61	56	55	64	67	67	68	60	58	66	67	61	56	61	64	57	57	63	62	54	52	57	64	..	59.8
Lexington	Maximum	73	78	69	60	69	73	78	80	81	82	88	85	83	84	70	75	89	79	72	78	81	75	77	79	81	79	74	83	85	86	..	78.1
	Minimum	63	59	53	53	51	54	58	61	63	63	65	68	64	70	58	57	62	66	60	55	65	63	61	62	63	58	52	58	66	68	..	60.6
Louisville	Maximum	77	83	70	66	72	78	83	83	85	85	90	88	85	85	70	77	90	82	75	80	84	79	80	82	84	80	77	84	88	90	..	81.1
	Minimum	66	63	56	56	55	53	59	64	63	60	65	70	70	70	57	60	64	68	61	57	64	64	63	60	64	59	52	55	62	72	..	61.7
Do. (Cherokee Park)	Maximum	75	81	80	67	70	77	82	81	82	83	88	88	83	85	74	76	89	80	79	79	84	83	79	82	82	81	76	82	87	88	..	80.8
	Minimum	65	59	55	56	50	48	55	57	54	55	59	72	68	71	57	59	62	65	61	56	62	62	56	56	63	58	51	52	57	69	..	58.9
St. John	Maximum	79	83	75	69	74	77	85	85	84	83	92	92	88	86	74	80	90	85	76	80	84	78	79	83	85	85	82	87	83	88	..	82.3
	Minimum	64	57	56	56	46	45	58	55	53	52	59	68	66	71	60	58	65	65	63	55	61	62	56	54	61	59	52	51	51	65	..	58.1
Scott	Maximum	77	81	74	66	74	78	82	83	85	86	93	92	85	90	80	79	95	84	77	82	86	83	84	86	86	84	81	86	93	93	..	85.6
	Minimum	63	54	53	54	45	46	54	52	52	51	59	69	67	68	67	58	61	63	60	54	60	55	58	59	59	56	47	48	52	65	..	56.5
Shelbyville	Maximum	78	83	76	66	69	78	82	83	85	87	91	91	87	87	74	80	90	82	77	81	85	80	82	84	82	82	80	85	90	88	..	83.3
	Minimum	65	54	53	54	46	46	54	52	52	51	59	69	67	68	67	58	61	63	60	54	60	56	58	59	59	56	47	48	52	65	..	56.5
Taylorsville	Maximum	78	83	76	66	69	78	82	83	85	87	91	91	87	87	74	80	90	82	77	81	85	80	82	84	82	82	80	85	90	88	..	82.2
	Minimum	65	54	53	54	45	46	54	52	52	51	59	69	67	68	67	58	61	63	60	54	60	55	58	59	59	56	47	48	52	65	..	56.5
Williamstown	Maximum	78	83	76	66	69	78	82	83	85	87	91	91	87	87	74	80	90	82	77	81	85	80	82	84	82	82	80	85	90	88	..	82.2
	Minimum	65	54	53	54	45	46	54	52	52	51	59	69	67	68	67	58	61	63	60	54	60	55	58	59	59	56	47	48	52	65	..	56.5
	Maximum	74	80	78	66	71	76	76	80	82	82	91	92	87	87	76	74	91	80	74	79	84	80	84	85	78	77	75	81	86	88	..	82.0
	Minimum	64	57	51	55	50	50	55	54	52	58	60	67	68	71	60	58	58	68	60	53	61	60	57	54	61	59	56	54	59	65	..	58.3
Eastern Division.																																	
Ashland	Maximum	79	84	83	68	69	76	78	83	82	82	80	84	82	80	90	72	92	90	72	76	87	79	79	84	85	84	81	83	90	90	..	81.7
	Minimum	66	59	56	54	50	47	55	53	51	52	52	52	48	52	50	63	56	60	53	57	59	60	58	53	58	63	53	50	53	63	..	55.3
Beattyville	Maximum	78	83	82	66	70	77	82	84	86	86	92	90	83	90	70	80	92	85	76	80	84	78	80	84	78	79	80	80	80	80	85	82.9
	Minimum	64	50	55	56	53	48	53	51	50	52	53	61	67	63	63	60	56	64	61	60	59	62	60	54	56	58	52	51	52	56	..	56.8
Berea	Maximum	74	79	74	65	67	74	80	81	80	82	88	89	82	86	71	74	88	86	74	78	86	78	79	80	80	80	80	80	85	83	..	79.1
	Minimum	64	58	57	55	51	46	57	62	55	54	57	71	66	67	60	56	60	65	63	57	65	60	60	55	61	64	53	48	54	64	..	58.9
Farmers	Maximum	77	83	81	71	73	77	78	83	85	85	91	90	85	92	82	75	94	92	80	87	85	80	85	86	86	86	80	86	91	92	..	83.8
	Minimum	66	44	49	56	48	39	48	45	42	44	45	58	60	60	60	55	50	58	56	51	55	60	55	49	50	54	44	44	42	52	..	51.0
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hindman	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	Maximum	76	82	76	66	70	77	78	81	82	83	90	86	87	91	80	72	93	87	83	78	87	85	80	83	84	83	77	85	91	92	..	82.2
	Minimum	66	57	51	55	52	48	56	53	49	51	52	64	66	67	59	59	55	65	63	52	65	68	55	53	58	58	47	50	52	66	..	56.9
Middlesboro	Maximum	83	87	86	75	71	82	86	88	91	95	87	88	84	88	90	86	92	88	84	86	88	82	86	88	89	85	82	85	91	92	..	85.2
	Minimum	63	50	50	58	53	44	54	51	45	50	49	57	64	61	64	54	57	60	60	60	57	62	63	62	61	59	54	51	49	50	..	55.1
Mount Sterling	Maximum	77	82	71	69	69	73	79	81	78	83	90	90	85	89	69	74	91	83	76	75	84	78	80	83	84	83	75	83	88	90	..	79.9
	Minimum	63	53	54	54	51	46	53	55	54	52	55	60	63	62	61	58	56	64	63	57	60	60	57	62	63	62	51	50	52	57	..	56.4
Quicksand	Maximum	78	81	81	68	69	73	81	84	86	92	90	91	88	90	81	88	94	86	79	83	88	80	81	84	86	85	78	88	89	90	..	82.9
	Minimum	57	52	54	56	52	50	53	53	52	52	52	60	66	63	65	58	58	64	60	59	58	62	61	54	56	61	53	50	52	57	..	55.8
Richmond	Maximum	74	78	70	60	68	75	78	81	84	85	90	93	90	94	81	87	73	77	90	83	76	80	84	70	80	82	85	80	78	85	88	79.8
	Minimum	64	58	57	57	52	52	52	60	58	61	71	67	70	62	60	61	66	64	60	59	58	62	61	54	56	61	53	50	52	57	..	60.2
Sergent	Maximum	80	82	84	80	..	..	80	84	83	85	90	93	90	90	87	85	93	92	85	81	86	86	80	84	88	85	81	86	85	89	..	85.4
	Minimum	61	51	53	56	..	..	44	53	54	51	51	58	60	63	65	58	58	64	60	59	58	62	61	54	56	61	53	50	52	57	..	56.5
Williamsburg	Maximum	81	87	87	81	73	80	86	84	84	87	94	95	90	92	87	85	93	91	87	86	85	87	86	86	88	83	86	88	88	90	..	88.2
	Minimum	65	52	54	58	53	47	57	54	58	54	52	62	67	68	66	55	60	62	62	61	63	64	62	53	57	61	56	54	54	55	..	58.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, ‡, etc., indicate respectively 1, 2, 3, etc., days missing from record.

W B O Louisville, 7-30-26-950

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., JULY, 1926. No. 7

GENERAL SUMMARY.

Although temperatures averaged near normal, there were marked periodical variations above and below that point. A decade of high temperature at the beginning, favorable for corn in those districts where moisture was sufficient, was followed by a week of decidedly cool and less favorable weather, after which temperatures nearer the seasonal average prevailed. Extraordinary variations in precipitation caused exceedingly divergent crop conditions. In general sufficient precipitation for the needs of the crops occurred in the eastern half of the State and also in some central counties. Corn and tobacco made normal progress in that section, and to some extent made up arrears in seasonal advancement. Tobacco remained backward, however, because of late setting. In the western half, particularly the immediate lower Ohio Valley below the mouth of the Kentucky, drought became worse and spread in more or less spotted and irregular fashion over the central counties. In the drier districts corn deteriorated, even in the bottoms, because of "firing", curling, and tasseling without shoots. It suffered to a lesser degree, especially on the uplands, in practically all of the western section. The growth of tobacco, already behind on account of late setting, was much retarded, resulting in decided irregularity in the size of plants. Good rains in the last week relieved the drought and started vigorous growth in most of the dry section. Except in a limited area near the lower Ohio, which received only moderate showers, corn and tobacco were growing rapidly at the end of the month. The extensive root systems developed during the drought contributed largely to the rapidity of growth that followed the rains. The dry weather prevented the planting of most late potatoes in the western counties until after the rains. Gardens suffered severely or made fair progress, varying in condition with the precipitation. The weather was generally favorable for hay and oats harvest, and for threshing. The quality of grain was fine and the yield exceptionally good. Pastures practically dried up in the western counties, but continued fairly good eastward. An unusually fine crop of bluegrass seed was gathered, cured, and cleaned under favorable weather conditions. The dry, cool weather retarded the growth of cotton, but it suffered little otherwise and began to set bolls before the end of the month.

TEMPERATURE.

The average temperature for the State, based on reports from 44 stations, was 77.6°, which is 0.7° above normal. Maxima of 100° or higher occurred at many central and western stations in the periods 2d-5th and 19th-23d. Minima below 50° were registered generally on the 15th, and below 60° from the 11th to 18th. Extremes for the State were 107° on the 3d at Hopkinsville and 43° on the 15th at Middlesboro.

PRECIPITATION.

Based on reports from 81 stations, precipitation for the State averaged 4.36 inches, which is 0.19 inch above normal. In the extreme northeastern counties, the central bluegrass region, and most of the mountain section, also in a few central localities, monthly amounts ranged between 4.0 and 7.0 inches, while a few stations reported from 8.0 to 10.0 inches. In most central and western districts they ranged between 2.0 and 4.0 inches, but less than 2.0 inches occurred in the districts near the lower Ohio river below the mouth of the Salt. Another dry area in the south-central counties received only about 2.0 inches. Local showers were reported on nearly every day from the 1st to the 14th and from the 22d to 31st. Rains were

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Ar. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.94	30.21	18	29.62	8	4668	6.3	42	ne.	6
Cincinnati ..... Ohio	29.98	30.23	17	29.61	9	4205	5.7	44	sw.	16
Evansville..... Ind.	29.97	30.22	17	29.63	9	5313	7.1	40	nw.	22
Lexington ..... Ky.	29.99	30.24	17	29.65	9	8138	10.9	52	ne.	17
Louisville ..... Ky.	29.98	30.23	17	29.64	9	6653	8.9	45	w.	10

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	78	50	57	339.8	447.1	76	16	1
Cincinnati ..... Ohio.	75	56	63	309.2	454.7	68	16	5
Evansville..... Ind.	70	43	48	386.2	449.8	86	24	0
Lexington ..... Ky.	70	..	57	291.9	449.8	65	14	4
Louisville ..... Ky.	72	51	55	333.8	449.8	74	16	2

COMPARATIVE DATA FOR JULY.

	Temperature. Monthly average	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average	Departure from 35-year normal.	No. of days with .01 in or more rain.
1889	75.1	− 1.8	98	50	5.62	+1.45	..
1890	73.0	− 3.9	101	44	2.66	−1.51	..
1891	75.9	− 2.9	91	47	4.08	−0.09	..
1892	76.5	− 0.4	100	48	3.30	−0.87	..
1893	78.8	+ 1.9	101	50	3.48	−0.69	..
1894	76.2	− 0.7	105	43	2.03	−2.14	..
1895	75.2	− 1.7	99	49	5.75	+1.58	9
1896	77.4	+ 0.5	103	47	7.44	+3.27	11
1897	77.8	+ 0.9	107	50	4.79	+0.62	10
1898	77.8	+ 0.9	102	48	4.71	+0.54	11
1899	77.3	+ 0.4	100	47	3.78	−0.39	9
1900	77.9	+ 1.0	101	50	4.91	+0.74	11
1901	81.7	+ 4.8	112	48	1.72	−2.45	6
1902	78.1	+ 1.2	107	48	1.91	−2.26	6
1903	77.5	+ 0.6	104	49	3.53	−0.64	8
1904	75.2	− 1.7	99	46	3.40	−0.77	10
1905	75.9	− 1.0	102	52	5.93	+1.76	13
1906	75.2	− 1.7	100	51	6.02	+1.85	11
1907	78.1	+ 1.2	102	40	4.71	+0.54	9
1908	76.9	0.0	100	50	3.94	−0.23	10
1909	74.8	− 2.1	99	48	6.01	+1.84	11
1910	76.2	− 0.7	96	51	8.63	+4.46	16
1911	75.8	− 1.1	105	42	2.28	−1.89	7
1912	76.8	− 0.1	100	53	5.50	+1.33	12
1913	79.9	+ 3.0	109	48	2.54	−1.63	7
1914	78.8	+ 1.9	109	43	3.20	−0.97	6
1915	78.7	+ 1.2	102	49	5.30	+1.13	11
1916	78.6	+ 1.7	102	52	4.17	0.00	9
1917	75.3	− 1.6	100	50	4.38	+0.21	11
1918	73.8	− 3.1	103	46	3.28	−0.89	8
1919	79.5	+ 2.6	104	50	2.10	−2.07	5
1920	75.2	− 1.7	99	44	3.83	−0.34	9
1921	81.1	+ 4.2	106	52	2.65	−1.52	7
1922	76.4	− 0.5	102	47	4.77	+0.60	9
1923	76.8	− 0.1	99	44	3.59	−0.58	8
1924	73.7	− 3.2	99	45	3.63	−0.54	8
1925	76.7	− 0.2	105	46	3.93	−0.24	9
1926	77.6	+ 0.7	107	43	4.86	+0.19	9

SEP 8 1926
THE LIBRARY OF THE

Climatological Data for July, 1926.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	6225	78.6	+ 0.8	102	20†	49	15	41	1.90	−2.08	0.90	0	4	23	2	6	s.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	44	78.8	+ 0.6	100	3	53	15	31	2.52	−1.37	1.44	0	7	16	9	6	sw.	E. W. Horr.
Calhoun	McLean	437	22	78.3	+ 0.3	100	3	51	15	38	1.55	−2.67	0.71	0	6	10	19	2	sw.	W. A. Taylor.
Earlington	Hopkins	420	36	80.0	+ 1.6	103	2†	49	15	43	3.23	−0.87	2.12	0	4	27	1	3	sw.	Brick Southworth.
Greenville	Muhlenburg	519	9	*79.2	.....	103a	3†	47a	15	42a	3.37	+0.23	1.70	0	4	23a	4a	3a	s.	C. R. Lovell.
Hopkinsville	Christian	524	30	80.6	+ 1.8	107	3	52	15	41	4.13	+0.20	1.35	0	6	17	6	8	sw.	W. E. Graves.
Marion	Crittenden	571	28	80.8	+ 2.9	105	4	58	14†	35	2.00	−1.56	0.58	0	5	18	10	3	nw.	B. C. Paris.
Mayfield	Graves	364	17	*78.2	+ 0.3	100‡	20	49‡	15	38‡	1.90	−2.12	0.99	0	3	.....	.....	.....	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	0	77.9	.....	104	3	44	15	46	2.97	.....	1.46	0	3	18	9	4	s.	Harry B. Arnold
Owensboro	Daviess	479	29	77.8	+ 0.1	101	3	50	15	42	2.40	−0.97	0.74	0	7	22	5	4	s.	Henry S. Berry.
Paducah (near)§	McCracken	516	9	80.8	+ 0.8	104	3	53	15	38	1.43	−1.47	0.85	0	4	23	5	3	sw.	J. W. Lilley.
Paducah	McCracken	341	37	.....	.....	.....	.....	.....	.....	.....	0.83	−3.15	0.80	0	2	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	19	77.6	− 0.5	99	2	52	15	34	6.26	+2.42	2.25	0	9	10	17	4	s.	Dr. W. L. Cash.
Rumsey, Lock 2‡	McLean	384	9	.....	.....	.....	.....	.....	.....	.....	1.52	−0.88	0.58	0	6	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	16	78.8	+ 1.1	102	4†	49	15	38	2.24	−2.33	1.18	0	8	22a	0a	8a	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	25	77.6	+ 1.6	102	3b	48	15	40	3.26	−1.18	2.20	0	7	20	8	3	sw.	C. E. Barret.
Bardstown	Nelson	637	29	79.0	+ 1.7	104	20	45	15	44	3.66	−0.85	0.75	0	10	20	1	10	s.	Mrs. Emily T. Sieco.
Bowling Green	Warren	500	37	79.2	+ 0.3	103	2†	50	15	44	4.29	−0.17	1.18	0	8	17	11	3	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	1	.....	.....	.....	.....	.....	.....	.....	3.02	.....	0.96	0	8	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	9	.....	.....	.....	.....	.....	.....	.....	2.08	−1.02	0.78	0	7	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	35	.....	.....	.....	.....	.....	.....	.....	2.02	−2.87	0.60	0	6	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	27	.....	.....	.....	.....	.....	.....	.....	4.27	+0.87	1.80	0	8	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	12	.....	.....	.....	.....	.....	.....	.....	1.90	−1.93	1.04	0	5	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	0	*77.5	.....	100c	19b	48c	15	48c	7.10	.....	2.21	0	9	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	1177	32	5.2	+ 0.3	100	20	45	15†	41	4.63	.....	1.49	0	13	.....	.....	.....	.....	Geo. Henry Ellis.
Eubank	Pulaski	560	34	78.1	+ 1.2	99	3†	50	15	34	4.40	−0.14	1.15	0	7	19	8	4	n.	Mrs. Katie Payne.
Frankfort	Franklin	590	2	*77.5	.....	100c	19b	48c	15	48c	3.74	−0.37	0.77	0	9	17	7	7	s.	Sidney Wood.
Franklin	Simpson	691	31	.....	.....	.....	.....	.....	.....	.....	4.63	.....	1.49	0	13	.....	.....	.....	.....	Jos.H. Blewett.
Gest, Lock 3	Henry	439	15	.....	.....	.....	.....	.....	.....	.....	3.92	−0.10	1.18	0	9	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	5	81.0	.....	104	20†	49	15	38	3.50	.....	1.40	0	8	17	7	7	s.	Dr. Fidelia Edwards.
Grant, Dam 38	Boone	506	1	.....	.....	.....	.....	.....	.....	.....	5.72	.....	1.51	0	11	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	581	33	75.6	− 1.0	96	20	45	15	36	1.70	−2.89	0.26	0	11	3	8	20	s.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	550	24	.....	.....	.....	.....	.....	.....	.....	4.92	+0.60	1.08	0	12	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	28	78.9	+ 1.5	100	3†	52	15	33	1.85	−1.36	0.55	0	7	18	5	8	sw.	W. J. Piggott.
Junction City	Boyle	985	32	75.8	+ 0.4	99	20*	46	15	39	7.03	+2.73	2.40	0	12	16	11	4	s.	William E. Grubbs.
Lancaster	Garrard	1032	0	.....	.....	.....	.....	.....	.....	.....	3.03	.....	0.88	0	8	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	635	30	78.2	+ 1.6	100	20	49	15	36	6.10	+2.15	2.50	0	13	11	17	3	sw.	H. H. Willis.
Lexington	Fayette	989	42	76.8	+ 0.9	97	21	55	14	24	5.95	+1.51	1.79	0	13	18	9	4	sw.	U. S. Weather Bureau.
Little Hickman, Lock 8¶	Jessamine	523	15	.....	.....	.....	.....	.....	.....	.....	6.26	+2.10	1.61	0	10	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	16	.....	.....	.....	.....	.....	.....	.....	3.60	−0.42	1.89	0	8	.....	.....	.....	.....	Andrew J. Keenun.
LOUISVILLE	Jefferson	525	53	78.8	+ 0.2	101	3	57	14	28	2.73	−1.01	1.47	0	9	11	14	6	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	16	76.8	+ 0.8	96	3	53	15	29	3.89	−1.22	1.84	0	6	16	11	4	ne.	Wm. J. Hind
Munfordville	Hart	600	1	.....	.....	.....	.....	.....	.....	.....	2.58	.....	0.70	0	7	.....	.....	.....	.....	C. R. Richardson.
St. John	Hardin	777	30	77.4	+ 1.4	100	3†	48	15	40	3.91	+0.42	0.95	0	12	26	2	3	.....	Sisters of Loretto
Salvisa, Lock 6¶	Mercer	490	12	.....	.....	.....	.....	.....	.....	.....	5.59	+1.18	1.20	0	14	.....	.....	.....	.....	Ernest M. Searcy.
Scott¶	Kenton	900	28	74.2	− 2.4	95	21	51	14b	26	5.94	+2.60	3.77	0	9	10	14	7	sw.	E. B. Wilson.
Shelbyville	Shelby	825	37	77.8	+ 0.9	104	21	48	15	39	3.40	−0.70	0.92	0	10	12a	3a	15a	n.	Mrs. W. T. Miller.
Taylorsville	Spencer	489	24	76.7	+ 0.6	100‡	21	47‡	15	40	3.58	−0.69	1.22	0	8	12‡	3‡	6‡	n.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	526	8	.....	.....	.....	.....	.....	.....	.....	7.26	.....	1.57	0	13	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	23	76.2	+ 0.5	99	21	52	15	29	5.51	+1.83	2.10	0	9	13	15	3	w.	Mrs. E. S. Humlong
Woodbury, Lock 4‡	Butler	533	9	.....	.....	.....	.....	.....	.....	.....	2.63	−0.53	1.04	0	5	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	9	76.8	+ 0.7	99	22	52	15	32	5.67	+1.62	2.68	0	9	15	3	13	sw	Curtis Purvis.
Beattyville	Lee	650	22	77.2	+ 1.3	101	20†	54	15†	39	5.19	+0.43	2.33	0	9	9	16	6	sw.	Robert S. Smallwood.
Berea	Madison	1070	24	75.8	0.3	98	20†	48	15	35	4.44	0.15	1.55	0	10	7	17	7	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	601	16	.....	.....	.....	.....	.....	.....	.....	9.18	+5.34	3.35	0	15	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	8	.....	.....	.....	.....	.....	.....	.....	4.15	.....	2.20	0	9	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	37	.....	.....	.....	.....	.....	.....	.....	6.23	+2.48	1.57	0	9	15	6	10	s.	J. V. Oldham.
Farmers	Rowan	668	18	*75.6	+ 0.7	101	21	46*	12	43*	5.75	+1.09	2.76	0	8	19	9	3	e.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	841	1	.....	.....	.....	.....	.....	.....	.....	2.44	.....	0.80	0	6	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	553	10	.....	.....	.....	.....	.....	.....	.....	10.70	+5.99	2.04	0	14	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	1	.....	.....	.....	.....	.....	.....	.....	4.93	.....	1.35	0	10	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	6	.....	.....	.....	.....	.....	.....	.....	5.26	.....	1.12	0	11	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Agnes Farley.
Hazard	Perry	869	2	.....	.....	.....	.....	.....	.....	.....	10.72	.....	3.80	0	8	.....	.....	.....	.....	Chas. A. Ihrig.
Heidelberg, Lock 14	Lee	664	9	.....	.....	.....	.....	.....	.....	.....	5.19	+0.77	1.95	0	7	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	1	*75.1	.....	98b	21	48b	15†	36b	6.67	.....	1.67	0	10	22b	3b	4b	nw.	Miss Lake Napier.
Jenkins	Letcher	1566	1	.....	.....	.....	.....	.....	.....	.....	4.10	.....	1.13	0	10	.....	.....	.....	.....	R. R Davidson.
Louisa	Lawrence	584	22	.....	.....	.....	.....	.....	.....	.....	2.51	−0.94	0.65	0	6	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	29	76.0	0.8	99	21	52	15†	34	6.40	+2.10	2.18	0	9	8	16	7	s.	Perry E. Bennett
Middlesboro	Bell	1128	30	71.6	− 0.1	103	20	43	15	47	5.87	+0.50	1.50	0	14	19	9	3	.....	Matthew Woodson.
Mount Sterling	Montgomery	900	36	76.6	+ 0.8	98	20†	51	16	36	6.67	+1.61	2.75	0	10	18	7	6	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	4	.....	.....	.....	.....	.....	.....	.....	5.26	.....	1.10	0	8	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	29	.....	.....	.....	.....	.....	.....	.....	8.00	+3.88	3.52	0	10	.....	.....	.....	.....	Robert Pegrue.
Prestonsburg	Floyd	640	1	.....	.....	.....	.....	.....	.....	.....	5.49	.....	3.10	0	10	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breathitt	732	1	76.2	.....	101	21	49	15†	38	5.23	.....	1.15	0	10	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	8	.....	.....	.....	.....	.....	.....	.....	4.54	.....	1.91	0	11	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	35	77.8	+ 1.1	100	21	52	15	30	4.40	+0.36	1.06	0	10	18	16	2	.....	I. W. Crooke.
Sergent	Letcher	1235	3	75.4	.....	101	21	48	15†	39	4.23	.....	0.85	0	13	14	14	3	ne.	Mary Rockwell.
Valley View, Lock 9	Madison	541	13	.....	.....	.....	.....	.....	.....	.....	6.46	+2.28	2.00	0	12	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	11	.....	.....	.....	.....	.....	.....	.....	1.31	3.63	0.65	0	5	.....	.....	.....	.....	H. M. Fannin.
Wayland	Floyd	700	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitesburg	Letcher	1102	1	.....	.....	.....	.....	.....	.....	.....	4.58	.....	1.52	0	9	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	930	29	77.5	+ 0.8	102	20†	48	15†	41	3.56	−1.73	1.54	0	8	24	0	7	.....	Lawrence R. Uhl.
Willow, Lock 13	Lee	611	7	.....	.....	.....	.....	.....	.....	.....	5.33	.....	2.35	0	7	.....	.....	.....	.....	Shelby Angel.
State averages and ex'cess				77.6	+ 0.7	107	3	48	15	48	4.36	+0.19	3.80	0	9	16	9	6	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, ', ", °, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. ** Received too late to be included in means and summaries.
¶ Post office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.
The departures (from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are
‡ Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
§ Lone Oak.
† Precipitation is less than 0.01 inch rain or melted snow.

fairly general, and in some cases excessive in the period 26.28th. Most of the rain attended local thunderstorms, some of which caused considerable damage from lightning and windsqualls. Precipitation extremes were 0.83 inch at Paducah and 10.72 inches at Hazard.

MISCELLANEOUS.

July 6.—Extensive damage to crops, buildings, and wire systems, due to wind, lightning, and excessive rains occurred in the bluegrass region. The loss in Bourbon County was estimated at $40,000 and in Campbell County at $50,000. One

Daily Precipitation for July, 1926.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
aver Dam	G			.15										.30													.99	.55				1.99
ndyville	M			.39		T.		T.																								
houn	G				.02		.14			T.			.04									.12		.20		.22	.11			1.41	2.51
rlington	G												.25										T		T.	.32	.51		T.	.11	1.19
nnville	G					T.				.10				.80												T.	2.12	.21				3.33
pkinsville	C												.30													.59	1.70				2.29
rion	O			.23		T.			T.	.10			.58	.86										.15		.04	1.35	.76			.27	4.15
yfield	M					.99																				.53	T				.26	2.00
rray	T					.62																			.60	.40						1.62
enshoro	O	.13		T				T.	.04	.29				.44												1.43					.26	2.56
uiah (near) ¶	O				.03								.45													.21	.55	.74		T		2.40
uiah	O								.80																		.10				.80	1.40
neeton	G	1.25		T.		.05	T.	.72					1.10														.03					1.84
nsey, Lock No. 2	G					.15							.02	.56										.02	2.25	.78			.64	.15	6.26
sellville	G				.05								.48											.09	.03	.01	.28	1.18			.17	2.24
Central Division																																
horage	O		T.		.05					.06			.49											.14		.08	2.20			.24		3.26
dstown	S	.70				.08	.09			.08				.05								.06		.75		.55	.40			.36	3.06
ding Green	G			1.18			T				.28			.42										.20	.05	.56	.90	.75		T		4.29
ding Green, No. 2	G			.31							.21			.36										.18	T.	.07	.82	.96			.11	3.62
nsville, Lock No. 6	G	.07		.21										.07										.29		.04	.78	.62				2.08
nside	C						.47		T.		.16											.60				.16	.47			.16	2.62
rollton (Lock No. 1)	K			.92	.10	T.			.02	.32				.18	T.							.15				T.	1.80	.48		T		4.27
verport	O						.02		T.	.32				.24													1.04	.28		T.		1.90
l Spring, Dam 36	O			1.11		.25	1.24		.24	.64	T.		.16	T.		T.											1.21	2.21		.04		7.10
Dam, Burgin	K	T.		.01	.29	.11	.97		.63	.08	.25			T.	.09							.13	.09	T.	T.		1.49	.52		.02		4.63
ank	C						.90				.30												.85		.10		.90	1.15			.26	4.80
nkfort	K		T.	.73	T.		.66		T.	.12				.18									.50		.06		.77	.33			.39	3.74
nklin	G																															
, Lock No. 3	K			.10	.08	T.	.11		.38	.03			T.	.62													1.18	.50			.92	3.92
gow	G						1.40			.30			20											.30	.20		.40			.50	3.50
t. Dam 38	O		T.	1.51		.23	.47		.28	.55	T.			.15	.01					.20			19				.83	1.31			.19	5.72
nsburg	G	.13					.25		.26		.21			.02										.16	.25	.01	.25	.11			.05	1.70
n Bridge, Lock No. 7	K	.07			.53	.14	.73		.66	.10	.10			.12											.96		1.09	.28			.15	4.32
rgton	O					.10				.15			.28											.25		.04	.55		T	.48	1.85
tion City	K		.43			T.	.97	.07	.20	.22			T.	.04									2.40	.10	T.		1.47	.62		.26	.25	7.03
ester	K						.88				.04				.04								11				.88	.61	.64		.23	3.08
chfield	G			.25		.30							.20											2.50		.25	.75			.45	1.40	6.10
rington ***	K	.05	T.	.20		1.79		1.00		.06			.01										.08	.55	.85	.19	.59	T.	T.	.02	.56	5.95
e Hickman, Lock No. 8	K		.10	.10		1.01		T.	.05	.50				T.	T.								40			1.56	1.61	.13		.80	6.26
eport, Lock No. 2	K		.16		.11		T.	.07					73													1.89	.03		.07	.54	3.60
SVILLE ***	O	.03	T.	T.	T.			.01	.11				.78										.02	.06		T.	1.47		.23	.02	2.73
(Cherokee Park)	O	T.							.08				.80											.48			1.84		.64	.05	3.89
fordville	G								.10					.05									48		.23		.45	.57			.70	2.58
ohn	S	.04		.04	.90	.25	.28		.09					.05											.65	.02		.29	.95		.35	3.91
sa, Lock No 6	K	.04	.60	.20	.98	.14	1.20		.40	.16	.12			.15	.25									.15				1.05	.15		T		5.59
yville	L			.45	T.	1.00		.11	.05	.32			.15	.05													3.77			.04		5.81
rsville	S	.06			.06	T.	.82			.08				.25									02	T.	.24		.78	.15		.52		3.40
ne, Lock No. 5	K		.20	.60	1.57	.30	1.63			.10			.06										.07		15		39	1.22		.43	.24	3.58
nstown	L				.40		.26		.22				.60	.05	.03								.21				.65	.12		.68	1.12	7.26
bury, Lock No. 4	G	T.		T.							.04			.50													1.84	.56			.30	5.51
Eastern Division														.17										.50		.03	1.04	.89				2.63
and	O			.18	.10	.30	2.68				.76			.55													.21	.85	.04			5.67
yville	K			.59	.10	T.	2.33				.36			.38									1.00		.15		.07	.21				5.19
e Hill, Lock No. 11	K	.35	.10	.03	.10		.94		.42	.16		T.											.23	.07		T.	1.55	.41			.25	4.44
nana	L		.10		.49	.20	.20		.40					.05									1.45		T.		.75	3.35	.95		.32	9.18
outh	L		.66	.58	1.30	1.37		.20	.07				1.03	15									.14				.60	.05			.02	4.15
ers	L		T.	1.15		.70	.35																				.88	.14				6.23
ngsburg	L			.40		.26		.22					14										T.	.15		2.76	.30			.20	5.75
Lock No. 10	K	.05	.16	T.	1.00	1.54	1.80		.05	.02	.92		60	.37									11				.80					2.44
son	O			.27	.82	.85	.31				.49			.24									2.04		.37		1.02	.64	.72		T.	10.70
up, Dam 30	O			.76	.26		1.12				.06			.45									.26				.17	1.35			.17	4.03
n	K																						1.07				.62	.60	.04	.02	.26	5.26
rd	K				.25	.81		T.	T.	.95	T.																					
lberg, Lock No. 14	K			.55	.43		1.95		T.		.88			.36									1.98	T.	T		2.11	3.80			.82	10.72
nan	K				.30		.68			1.65			.07	.12									.80					.72			T.	5.19
ns	K			.72			.49			.36				.15									1.04		.01	1.67	.55	.58				6.67
a	B			.55			.65				.31			.13									.47	.37	.07		1.13	.30			.04	4.10
ville	L			1.43	.33	.22	.11							1.01														.22	.65				2.51
lesboro	C			.16	.03	.25	.29			.47	.11												.34				.27	.51			2.18	6.40
t Sterling	L			.05	.37	2.75	2.00		.05	T.				.23									1.50	.04	.54	.75	1.22	.36			.03	5.87
ta Dam 35	O			1.07		T.	.91		.09	.80				.50									.16				.57	.20			.29	6.67
lle	B			1.84	3.52	.06	.32		.03	.06				.12									T.				1.05	1.10			.04	5.26
nsburg	B			.45		.20	.25							.20									.03				1.84	.18	T.			8.60
sand	K			.67		.28	1.15				.61			.37									.30		3.10		.10	.36	.07		.46	5.49
ns, Lock No. 12	K	.14		T.	.15	.46	1.91		.07	.12	T.												.77		.21		.22	.41			.54	5.23
nond	K				.05	.40	1.00				.25	.05													.48		.15	.25	.49		.12	4.34
t	K			.15	.10		.45		.05		.85		.04	.09									.15			1.00	1.00			.15	.55	4.40
y View, Lock No. 9	K	.04	.30		1.30		.04		.86			.15											.70	.38		.38	.82	.20		.12		4.33
burg, Dam No. 32	O		.04		.25		.10																.02			.15	2.00	.95		.25	.40	6.46
and	B																											.65		.30	1.34
sburg	K				1.52		.30			.14	.69			.43									.11	.30			.80	.29				
w, Lock No. 13	C			1.54	.08		.59		.23					.04									.26				.35	.47		T.		3.58
	K			.73			2.35		.35		.25												.98				.32	.35				5.33

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the ne of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

was killed by lightning in the open near Harrodsburg; her while in a barn near Paris; and a father and two sons er a tree near Cloverport. A woman was rendered uncon- us when lightning struck a residence at Glasgow.

July 7.—A man was killed by lightning while in his barn near Murray.

Rivers:—Freshets occurred in small headwater streams in some districts, otherwise stages were low during the month.

Daily Temperatures for July, 1926.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	96	99	101	97	95	96	96	96	95	92	80	89	80	78	83	88	92	97	100	102	102	101	94	96	95	85	78	88	92	91	84	92.2
	Minimum	64	67	71	75	70	74	67	70	72	74	61	52	65	63	49	51	52	56	60	65	66	70	69	65	70	68	62	66	65	73	72	65.0
	Maximum	94	98	100	91	91	93	87	89	91	87	82	84	79	73	83	84	90	92	95	96	95	98	91	92	87	81	83	90	94	92	84	89.1
Blandville	Minimum	65	76	74	70	71	73	69	71	72	78	65	60	67	58	53	58	64	61	67	70	74	71	72	70	70	70	67	68	69	72	74	68.4
	Maximum	95	97	100	97	94	94	92	92	91	89	81	86	84	77	80	85	89	96	97	99	98	98	90	94	92	87	80	87	91	89	86	90.5
Calhoun	Minimum	65	68	71	73	72	73	69	72	72	76	62	53	68	56	51	52	58	57	62	65	66	71	72	67	70	68	64	67	67	72	73	66.1
	Maximum	100	103	103	99	96	98	99	94	93	91	85	89	85	81	83	89	94	95	96	97	100	101	100	100	95	82	84	91	94	91	91	93.4
Earlington	Minimum	66	70	74	77	72	77	68	72	72	78	63	54	69	53	49	51	59	64	67	70	71	73	72	70	67	72	71	65	66	65	78	66.7
	Maximum	98	101	103	100	98	99	100	98	93	88	...	88	82	77	83	89	94	97	100	101	103	101	98	98	96	86	83	91	92	91	91	94.1
Greenville	Minimum	68	68	70	74	69	73	66	69	78	61	...	60	64	54	47	49	52	55	60	64	67	68	65	65	68	68	65	68	69	73	73	64.3
	Maximum	102	105	107	98	97	100	99	97	96	94	86	93	84	80	85	89	95	100	101	103	102	103	98	100	94	82	83	91	94	91	93	94.0
Hopkinsville	Minimum	65	69	73	77	67	73	69	73	71	78	63	53	65	55	52	54	55	59	63	66	68	72	70	67	72	71	66	68	69	73	73	66.7
	Maximum	98	101	102	105	95	99	93	98	92	92	83	88	88	82	87	92	92	99	99	98	100	98	92	91	95	96	78	88	94	95	93	98.0
Marion	Minimum	66	74	78	74	70	76	69	73	71	78	62	53	70	58	62	62	58	64	71	73	77	72	73	69	70	71	67	64	66	65	72	68.6
	Maximum	...	...	...	...	...	...	...	95	93	93	83	90	85	81	85	89	94	97	99	100	99	98	95	98	92	84	88	94	92	...	...	92.0
Mayfield	Minimum	...	...	...	...	...	...	...	70	60	76	64	55	68	58	49	54	56	59	64	69	73	70	70	66	70	69	63	65	67	72	...	64.4
	Maximum	100	103	104	95	92	97	95	92	93	91	84	88	84	80	84	88	93	97	100	100	101	98	96	100	99	83	82	97	93	91	90	98.0
Murray	Minimum	66	71	72	75	69	72	71	66	67	75	58	48	62	51	41	46	47	66	55	58	59	62	89	95	96	86	86	86	88	91	89	91.4
	Maximum	97	100	101	96	94	97	93	94	93	84	82	86	82	78	83	85	93	96	96	97	99	97	88	93	96	78	78	88	94	96	94	94.6
Owensboro	Minimum	63	68	72	74	70	72	66	71	69	63	59	54	61	57	50	52	51	56	62	65	66	70	69	63	68	71	67	64	68	73	77	68.6
	Maximum	100	102	104	100	96	99	94	94	88	86	88	87	83	80	85	90	94	98	100	101	101	96	94	96	88	92	91	81	80	90	88	91.9
Paducah (near)	Minimum	64	72	70	77	71	74	69	72	72	75	63	57	58	61	53	55	57	60	65	73	77	72	73	69	70	71	67	64	66	68	71	67.2
	Maximum	97	99	98	94	93	93	90	85	80	86	82	76	78	76	78	83	87	92	95	98	98	99	97	91	88	84	80	80	85	87	87	89.3
Princeton	Minimum	65	70	71	73	69	72	69	71	70	77	64	55	66	57	52	53	55	58	63	66	67	69	71	68	65	68	64	66	67	69	73	70.2
	Maximum	98	100	102	96	97	97	96	97	95	94	81	88	75	76	82	86	93	98	101	102	102	99	97	97	91	76	77	84	91	82	86	91.1
Russellville§§	Minimum	65	69	69	74	68	72	67	70	72	75	61	56	67	54	49	51	54	58	52	66	70	71	67	68	70	72	68	71	72	73	72	66.4
Central Division.																																	
	Maximum	96	98	102	96	96	98	95	97	95	89	82	88	82	75	84	87	91	98	101	102	102	100	91	93	91	79	75	87	91	90	86	91.1
Anchorage	Minimum	65	67	69	70	69	67	65	67	72	68	62	51	64	54	48	52	53	58	62	63	65	71	67	69	71	64	64	64	67	71	71	63.8
	Maximum	95	98	103	97	95	94	95	96	94	91	82	87	78	80	86	88	95	100	103	104	103	101	98	96	94	76	77	91	94	92	91	92.3
Bardstown	Minimum	65	69	73	75	71	72	65	67	73	71	57	51	64	54	45	52	53	56	62	62	68	72	72	70	71	67	68	68	68	73	72	65.5
	Maximum	100	103	100	94	95	97	95	95	96	92	85	90	77	82	87	89	86	102	103	103	103	103	97	97	95	78	79	86	91	95	88	90.5
Bowling Green	Minimum	64	68	73	68	68	70	68	70	70	76	60	53	65	54	50	50	55	58	63	66	69	73	67	68	70	65	66	69	68	71	70	65.3
	Maximum	93	98	98	93	91	91	89	91	90	89	81	81	79	75	80	85	...	...	100	100	99	100	99	99	96	...	...	96	...	88	91	95	88	90.6
Dix Dam	Minimum	63	68	70	71	71	72	66	68	70	74	61	52	65	56	48	51	...	...	52	52	68	71	66	...	...	65	...	68	68	72	71	64.6
	Maximum	91	97	97	91	92	89	88	90	90	75	88	70	74	79	82	89	94	97	100	99	97	97	89	84	80	80	76	86	87	83	83	87.3
Eubank	Minimum	61	62	69	68	62	72	65	53	64	75	54	47	58	57	45	45	51	54	60	62	67	71	68	65	68	64	66	67	69	73	70	62.4
	Maximum	92	95	99	95	91	93	89	93	91	91	81	85	84	75	80	83	89	95	98	98	99	97	97	97	89	90	88	90	91	79	76	86	89	88.3
Frankfort	Minimum	65	70	72	73	72	70	69	68	74	71	58	55	65	57	50	54	55	61	65	66	69	74	70	70	72	67	67	67	68	72	72	66.4
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Franklin	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maximum	98	101	101	90	90	92	95	94	91	92	82	89	72	80	84	84	94	97	97	104	104	102	99	96	94	82	86	86	91	83	180	92	72	87
Glasgow	Minimum	65	67	72	69	69	67	70	69	72	74	60	51	64	54	49	52	58	59	62	70	69	70	70	68	70	70	68	70	70	89	82	87
	Maximum	89	93	95	90	89	90	88	90	88	89	79	81	77	86	80	85	90	94	96	95	94	92	89	88	82	75	83	86	86	86	87	90
Greensburg	Minimum	62	64	70	72	66	69	64	67	73	68	57	50	61	54	45	50	51	55	58	61	65	72	66	67	69	67	65	68	67	71	70	65
	Maximum	93	97	100	95	92	94	91	92	94	88	79	85	80	80	81	85	89	94	97	98	100	98	91	92	93	86	87	86	91	91	92	91
Irvington	Minimum	66	72	74	78	72	75	69	72	74	71	61	56	65	56	50	52	56	57	61	66	68	71	67	71	69	71	69	71	69	73	74	67
	Maximum	95	96	97	92	93	94	92	89	89	89	78	81	77	77	85	85	89	94	98	99	99	97	93	94	90	79	79	86	90	89	84	89
Junction City	Minimum	62	66	63	64	65	70	58	63	69	73	52	49	68	55	46	49	50	55	63	68	66	70	67	68	67	70	67	65	68	67	73	65
	Maximum	94	99	99	93	92	93	90	91	91	91	80	86	78	78	83	88	90	96	99	100	100	99	94	92	91	80	78	87	90	88	86	90
Leitchfield	Minimum	65	77	75	74	70	70	67	71	72	74	61	55	66	55	49	55	61	60	64	68	70	73	67	67	70	67	65	68	67	73	83	67
	Maximum	91	95	92	90	88	86	87	89	88	85	72	79	74	70	76	82	87	91	95	96	97	94	83	87	87	80	77	83	88	89	83	87
Lexington	Minimum	67	74	73	71	71	66	66	69	72	60	56	61	60	55	57	63	68	69	75	78	79	76	69	67	66	65	67	69	68	70	72	68
	Maximum	92	98	101	93	91	94	90	92	90	85	76	82	80	74	80	84	88	96	97	98	98	95	91	90	90	85	86	88	88	90	91	90
Louisville	Minimum	69	75	74	78	73	73	72	73	75	64	60	62	62	57	63	63	67	75	74	78	78	73	71	70	71	69	67	68	67	67	69	72
	Maximum	91	94	96	91	91	91	89	91	91	90	78	82	81	74	77	81	85	91	94	95	95	94	94	94	88	87	79	76	83	88	88	87
Do. (Cherokee Park)	Minimum	66	70	73	73	72	74	70	68	74	69	58	55	66	55	50	52	55	62	65	68	70	75	70	70	69	67	64	66	66	67	70	67
	Maximum	95	99	100	95	92	93	90	91	89	89	87	85	79	77	82	85	91	96	100	100	100	98	98	93	91	92	84	76	86	90	87	91
St. John	Minimum	63	68	71	72	70	72	66	70	72	69	59	52	64	55	48	52	54	56	59	63	65	72	66	67	71	69	64	66	68	70	72	66
	Maximum	89	92	91	82	85	84	84	87	87	81	73	79	77	74	80	84	90	93	96	97	99	97	94	86	85	78	76	82	86	86	82	86
Scott	Minimum	62	68	100	68	69	69	63	65	70	67	54	56	62	51	51	56	59	65	68	70	70	75	67	64	60	64	66	68	63	66	72	67
	Maximum	95	99	92	98	94	96	96	93	93	92	89	81	87	82	84	88	93	98	101	102	104	101	92	92	94	82	84	89	90	90	84	92
Shelbyville	Minimum	64	69	71	70	69	69	66	70	70	68	53	52	64	51	48	54	56	59	64	66	67	72	68	68	69	64	64	64	65	69	71	66
	Maximum	93	97	99	...	...	...	...	...	...	...	...	...	78	78	80	84	89	95	98	98	99	100	98	89	88	87	80	84	88	89	82	89
Taylorsville	Minimum	63	70	...	...	...	...	...	...	...	...	...	53	63	53	47	49	50	56	60	62	66	71	67	66	68	67	65	67	66	68	71	63
	Maximum	91	97	92	90	88	89	87	89	89	86	76	84	80	74	79	84	87	90	96	96	99	96	86	87	80	75	70	69	67	64	65	83
Williamstown	Minimum	63	71	73	67	70	67	66	66	71	69	54	55	65	53	52	67	58	64	67	70	72	74	69	66	63	64	67	64	65	68	71	67
Eastern Division.																																	
	Maximum	91	95	92	88	93	93	91	86	91	93	78	83	81	73	78	83	88	92	97	98	98	99	97	88	88	83	78	89	89	87	...	...
Ashland	Minimum	65	64	71	67	71	68	67	64	75	74	61	59	63	56	52	53	56	61	65	66	68	71	70	67	63	62	65	68	68	71	70	...
	Maximum	95	98	97	95	94	87	90	92	92	92	77	83	76	76	79	85	91	93	99	101	101	101	90	91	90	85	85	89	90	92	89	...
Beattyville	Minimum	63	66	67	66	68	68	68	66	67	73	60	60	60	59	61	51	53	58	63	62	65	69	69	68	67	68	66	66	67	68	70	...
	Maximum	94	93	96	88	89	89	86	89	89	90	73	81	75	75	81	87	91	96	98	98	97	97	93	93	91	86	86	86	88	88	88	...
Berea	Minimum	65	64	69	69	71	67	67	69	73	70	57	50	61	57	48	49	52	60	66	69	69	73	67	68	66	66	66	66	67	68	68	...
	Maximum	94	98	93	93	91	89	88	93	91	91	81	84	81	75	79	86	91	93	98	100	101	99	97	93	91	86	86	88	88	88	88	...
Farmers	Minimum	56	61	64	60	65	65	63	58	64	71	58	46	58	53	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maximum	94	...	...	94	94	89	85	92	92	94	74	80	75	74	78	83	87	91	95	97	98	97	91	90	87	88	88	90	90	90	90	...
Hindman	Minimum	61	...	...	66	67	66	67	65	67	69	62	51	57	58	48	48	51	56	61	62	63	66	63	66	65	65	81	82	87	88	86	...
	Maximum	91	...	...	94	94	89	87	89	90	90	87	84	80	73	79	84	86	91	97	97	99	97	94	86	85	80	80	82	87	88	87	...
Maysville	Minimum	90	95	88	88	88	88	87	88	91	90	70	71	59	62	61	58	62	62	63	63	66	69	69	65	66	59	64	66	66	68	68	...
	Maximum	91	97	71	67	67	70	66	70	68	53	52	64	51	48	54	56	59	64	66	67	72	62	68	69	69	64	64	64	65	69	71	...
Middlesboro	Minimum	96	98	96	89	92	88	91	90	91	92	81	84	77	79	79	83	87	89	93	103	102	101	94	89	88	86	85	87	88	89	87	...
	Maximum	96	98	96	89	92	88	91	90	91	92	81	84	77	79	79	83	87	89	92	96	98	97	88	89	87	83	83	84	88	90	88	...
Mount Sterling	Minimum	90	95	93	95	93	90	90	90	90	92	91	95	82	77	79	79	81	86	92	96	98	97	88	87	86	83	83	84	88	90	88	...
	Maximum	92	96	91	88	91	89	89	89	89	91	82	88	74	73	78	86	89	92	96	98	100	101	100	92	91	89	85	89	89	90	92	...
Quicksand	Minimum	61	65	67	67	69	69	66	65	67	72	61	52	58	58	49	49	52	56	61	62	64	67	65	65	69	66	66	67	66	70	69	...
	Maximum	92	96	95	94	95	89	89	90	90	89	83	91	71	75	78	84	88	92	96	98	98	98	93	93	90	87	86	87	87	88	88	...
Richmond	Minimum	68	71	76	71	72	72	68	70	72	72	59	58	65	57	52	55	58	62	71	70	74	75	70	70	71	70	71	69	69	69	72	...
	Maximum	96	96	95	94	95	89	89	89	91	91	83	82	75	78	83	87	91	93	97	97	99	97	93	90	87	87	87	90	88	88	88	...
Sergent	Minimum	60	61	63	64	67	66	64	64	66	67	63	51	56	59	48	48	51	57	60	61	62	66	66	64	64	67	69	73	70	72	69	...
	Maximum	95	99	100	94	95	93	90	93	93	95	88	86	87	77	81	85	92	95	98	102	100	92	94	90	88	82	84	87	90	91	89	...
Williamsburg	Minimum	60	63	68	68	68	69	65	66	70	72	59	52	57	61	48	48	53	59	53	61	63	67	67	66	67	69	68	67	68	68	68	...
	Maximum	94	98	98	94	94	92	91	92	93	94	86	87	84	82	84	87	91	94	97	98	98	97	94	92	91	87	87	89	90	91	90	...

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

a, b, c, etc., indicate respectively 1, 2, 3 etc., days missing from record.

W. B. = Louisville, 8:31 p. m. 90.

53,05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., AUGUST, 1926. No. 8

THE LIBRARY OF THE
UNIVERSITY OF ILLINOIS

GENERAL SUMMARY.

Daily mean temperatures near normal favored crop development; but an excess of moisture in most districts, with persistent cloudiness tended to delay maturity, and cause sappy conditions with large growth of foliage. [illegible] most districts in the first decade were followed during the next two weeks by heavy showers of almost daily occurrence. In the western counties, all crops were stimulated to rapid growth and made extraordinary progress, especially late corn and tobacco, which had been delayed and dwarfed by the drought. In the eastern counties late crops also profited by the rains; but the excess of moisture and the frequency of showers caused damage to grain, mainly oats, in shock, resulted in stalk rot and spread of rust on tobacco, delayed field work, and caused suspension of fall plowing. Corn in bottoms was damaged by overflow of streams and some corn felt in the softened fields under the influence of local wind squalls. In general, however, the corn crop on well-drained soil, even in the wettest localities, made excellent progress. Early tobacco ripened very slowly, and cutting had barely commenced at the end of the month, prompted generally by fear of rust damage. Topping of late tobacco was mainly completed during the last week. Growth had been so rapid, due in part to the large root systems developed during the dry weather, that most plants had reached fairly good size. Rust and stalk rot were checked by the fine weather of the last week. It was also possible to resume fall plowing. Melons and cannery tomatoes were injured by the continued rains. Cowpeas and soybeans grew rank and pods decayed to some extent. Alfalfa and clover revived and made good growth, but seed clover largely failed to fertilize. Cutting of the third crop of alfalfa was delayed about two weeks. Fungus diseases on fruit seemed to be worse during the rainy weather, causing much loss; while picking and marketing were rendered difficult. Except for the tendency to grow somewhat rank, cotton made good progress. Bolls began opening only a few days later than the average date.

TEMPERATURE.

The average temperature for the State, determined from reports of 45 stations, was 77.3°, which is 1.7° above normal. There were two short periods of moderately cool weather, otherwise daily averages were generally above normal. Minimum temperatures were higher and the nights were warmer than usual in August. Extremes for the State were 101° at Glasgow on the 6th and 51° at Middlesboro on the 26th.

PRECIPITATION.

Precipitation for the State, based on reports from 81 stations, averaged 7.51 inches, which is 3.80 inches above normal and the heaviest for August since State records were established. Rain occurred in most districts in the periods 1st-3d, 7th, 30th-31st; and daily in some part of the State from the 12th to 25th. It was especially heavy locally on the 1st, 15-19th, and 24th. Distribution over the State was quite irregular. In most of the southern counties amounts ranged between 8.0 and 12.0 inches. In the bluegrass region and the north-central counties, the range was generally from 6.0 to 9.0 inches. Near the eastern boundary and about the lower Green, from 4.0 to 6.0 inches occurred. Extremes for the State were 12.63 inches at Princeton and 2.26 inches at Sergent. Thunderstorms were frequent, but were not often attended by destructive lightning.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. In inches reduced to sea-level.					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity	Max. Velocity * Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.57	30.15	8	29.67	1	4324	5.5	42	sw.	16
Cincinnati ..... Ohio	29.60	30.18	31	29.22	1	5457	7.3	51	nw.	6
Evansville ..... Ind.	29.66	29.78	8	29.51	1	4467	5.9	33	nw	31
Lexington ..... Ky.	29.60	30.19	13	29.21	1	6005	7.9	54	se.	11
Louisville ..... Ky.	29.61	30.20	8	29.67	1	5499	7.4	52	nw.	6

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	91	69	78	239.8	420.0	69	14	2
Cincinnati ..... Ohio.	90	67	76	224.5	423.5	68	7	5
Evansville ..... Ind.	86	63	71	284.4	421.7	67	11	2
Lexington ..... Ky.	86	71	..	234.2	421.7	60	11	4
Louisville ..... Ky.	86	66	71	265.2	421.7	63	12	2

COMPARATIVE DATA FOR AUGUST.

Year	Temperature.				Precipitation.		
	Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Monthly average.	Departure from 35-year normal.	No. of days with .01in or more rain.
1889	70.6	−5.0	100	43	1.21	−2.48	..
1890	73.2	−2.4	101	44	6.16	+2.45	..
1891	72.9	−2.7	105	43	5.82	+2.11	..
1892	75.4	−0.2	96	45	3.13	−0.58	..
1893	74.8	−0.8	99	48	1.32	−1.99	..
1894	77.1	+1.5	105	41	6.02	−0.69	5
1895	76.6	+1.0	102	49	2.15	−1.56	6
1896	77.1	+1.5	105	41	2.83	−0.88	9
1897	75.2	−0.4	101	49	2.33	−1.38	7
1898	76.7	+1.1	100	55	3.83	+0.12	6
1899	78.1	+2.5	102	51	3.09	−0.62	6
1900	80.4	+4.8	104	52	2.74	−0.97	12
1901	75.5	−0.1	101	50	5.12	+1.41	7
1902	75.6	0.0	103	45	2.48	−1.23	8
1903	75.5	−0.1	100	49	3.27	−0.44	8
1904	75.2	−0.4	100	45	2.61	−1.07	9
1905	75.7	+0.1	99	42	3.82	+0.11	10
1906	77.4	+1.8	99	45	4.37	+0.66	10
1907	74.8	−0.8	99	48	4.27	+0.56	6
1908	75.3	+0.7	104	49	2.79	−0.92	7
1909	76.2	+1.3	104	45	2.60	−1.11	6
1910	74.0	−1.6	100	46	2.72	−0.99	10
1911	76.2	+0.6	106	45	4.03	+0.32	13
1912	73.7	−1.9	98	43	4.71	+1.00	7
1913	78.0	+2.4	108	44	2.81	−0.90	12
1914	76.0	+0.4	100	49	5.84	+2.23	14
1915	71.3	−4.3	100	42	6.29	+2.58	9
1916	77.0	+1.4	101	47	4.25	+0.54	8
1917	73.9	−1.7	100	42	3.49	−0.22	7
1918	80.2	+4.6	111	50	8.18	−0.53	8
1919	75.0	−0.6	104	47	3.49	−0.22	13
1920	73.4	−2.2	98	43	5.80	+2.09	10
1921	76.0	+0.4	101	48	5.28	+1.57	6
1922	75.2	−0.4	101	47	2.43	−1.28	12
1923	75.4	−0.2	99	43	6.03	+2.32	12
1924	75.3	−0.3	103	43	3.60	−0.71	7
1925	76.5	−0.9	106	41	1.47	−2.84	6
1926	77.3	+1.7	101	51	7.51	+3.80	14

Climatological Data for August, 1926.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	22	78.6	+ 2.2	98	11	56	26	32	5.56	+2.25	1.90	0	15	20	2	9	w.	Mrs. Lena F. Taylor.
Blandville	Ballard	345	14	76.8	0.0	91	10†	61	8†	24	11.04	+7.90	3.83	0	26	9	9	13	sw.	E. W. Horr.
Calhoun	McLean	437	22	77.8	+ 0.4	95	10	57	26	29	7.70	+4.08	2.18	0	12	6	22	3	se.	W. A. Taylor.
Earlington	Hopkins	420	36	79.0	+ 1.9	97	10	56	26	31	8.26	+5.99	3.46	0	13	19	6	6	sw.	Brick Southworth.
Greenville	Muhlenburg	519	9	77.8	+ 1.1	97	11	55	26	31	6.00	+1.74	1.91	0	13	18	12	1	s.	C. R. Lovell.
Hopkinsville	Christian	524	30	79.4	+ 1.5	100	10	58	26	34	6.84	+3.40	1.94	0	14	9	12	10	se.	W. E. Graves.
Marion	Crittenden	571	28	79.2	+ 1.1	97	10†	59	8	28	4.64	+1.85	1.85	0	9	11	15	5	e.	B. C. Paris.
Mayfield	Graves	412	0	79.2	.....	99	12	55*	26	39*	6.14	.....	1.50	0	12	10	17	4	sw.	Mrs. C. R. Sowell.
Murray	Calloway	479	29	76.2	− 0.1	96	11	56	26	30	4.77	+1.41	1.49	0	12	21	3	7	se.	Harry B. Arnold
Owensboro	Daviess	516	9	80.0	+ 0.8	100	5	59	26	33	10.60	.....	5.00	0	12	.....	.....	.....	.....	J. W. Lilley
Pinnacle (near)	McCracken	341	37	.....	.....	.....	.....	.....	.....	.....	8.16	+4.88	2.48	0	12	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	329	19	76.8	− 0.9	93	10†	59	26	27	12.63	+9.31	4.50	0	17	6	15	10	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	9	.....	.....	.....	.....	.....	.....	.....	5.15	+0.86	1.58	0	14	.....	.....	.....	.....	Thos. L. Wetzell.
Rumsey, Lock 2	McLean	390	15	77.8	+ 0.1	98	11	57	26	34	7.22	+4.56	1.55	0	14	16	4	11	s.	Wm. Shelton.
Russellville	Logan																			
Central Division.																				
Anchorage	Jefferson	500	25	77.0	+ 2.3	97	11	56	26	30	6.95	+3.06	1.52	0	14	12	13	6	sw.	C. E. Barret.
Bardstown	Nelson	657	29	77.8	+ 0.8	99	11	55	26	32	7.43	+3.70	1.30	0	13	11	4	16	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	560	37	78.4	+ 0.1	99	10	58	26†	36	9.34	+5.57	1.70	0	15	11	9	11	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	1	.....	.....	.....	.....	.....	.....	.....	9.76	.....	1.72	0	15	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6	Edmonson	410	9	.....	.....	.....	.....	.....	.....	.....	12.82	+8.22	2.23	0	18	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	35	.....	.....	.....	.....	.....	.....	.....	10.18	+6.02	1.80	0	17	.....	.....	.....	.....	B. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	27	.....	.....	.....	.....	.....	.....	.....	8.87	+6.05	1.99	0	16	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	489	0	.....	.....	.....	.....	.....	.....	.....	7.03	+3.21	1.60	0	14	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	770	2	79.4	.....	99†	12	56†	27	31†	8.19	.....	2.00	0	17	.....	.....	.....	.....	W. L. Patchell.
Pax Dam, Burgin	Mercer	1177	32	76.5	+ 2.7	94	11	53	26	32	6.20	.....	1.29	0	13	11†	9†	5†	.....	Geo. Henry Ellis.
Eubank	Pulaski	960	34	77.9	+ 2.9	95	11	58	26	26	9.21	+4.87	1.61	0	15	11	6	14	s.	Mrs. Katie Payne.
Frankfort	Franklin	691	31	.....	.....	.....	.....	.....	.....	.....	8.47	+4.79	2.15	0	14	14	3	14	s.	Sidney Wood.
Franklin	Simpson	449	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jos. H. Blewett.
Gest, Lock 3	Henry	780	5	79.5	.....	101	6	56	26	38	9.42	+5.49	2.52	0	14	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	506	1	.....	.....	.....	.....	.....	.....	.....	9.95	.....	1.60	0	11	16	6	9	s	Dr. Fidelia Edwards.
Grait, Dam 38	Boone	581	33	76.4	+ 0.1	93	11	54	26	29	7.49	.....	1.50	0	14	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	550	24	.....	.....	.....	.....	.....	.....	.....	9.02	+5.12	1.40	0	16	6	1	24	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	646	28	77.5	+ 1.4	94	11	58	26	25	7.52	+3.47	1.44	0	14	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	985	32	76.6	+ 2.1	97	11	53	26	35	6.66	+3.06	2.15	0	12	13	9	9	sw.	W. J. Piggott.
Junction City	Boyle	1032	0	.....	.....	.....	.....	.....	.....	.....	8.21	+4.66	1.70	0	17	17	10	4	s.	William E. Grubbs.
Lancaster	Garrard	635	30	77.4	+ 1.8	94	10†	59	27	29	7.17	.....	1.70	0	13	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	889	42	76.0	+ 1.5	95	11	60	25	25	7.03	+3.46	2.60	0	18	5	23	3	sw.	H. H. Willis.
Lexington	Fayette	523	15	.....	.....	.....	.....	.....	.....	.....	7.32	+2.37	2.15	0	17	14	11	6	sw.	U. S. Weather Bureau.
Little Eickman, Lock 5	Jessamine	476	16	.....	.....	.....	.....	.....	.....	.....	7.20	+3.04	1.53	0	14	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	525	53	77.6	+ 0.6	94	11	60	26	23	6.89	+3.38	1.60	0	14	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	534	16	76.2	+ 1.5	90	6	57	26	23	6.85	+2.89	1.62	0	16	6	16	9	s.	U. S. Weather Bureau.
Do (Cherokee Park)	Do.	600	1	.....	.....	.....	.....	.....	.....	.....	9.72	.....	2.20	0	16	7	18	6	sw.	Wm. J. Hunt.
Munfordville	Hart	777	30	77.2	+ 2.3	95	10	56	26	31	9.22	+5.37	3.70	0	14	14	6	11	.....	C. R. Richardson.
St. John	Hardin	490	12	.....	.....	.....	.....	.....	.....	.....	9.46	+5.58	2.30	0	14	.....	.....	.....	.....	Sisters of Loretto
Salvisa, Lock 6	Mercer	900	28	75.1	+ 0.3	92	11	55	26	25	6.47	+4.60	1.96	0	15	.....	.....	.....	.....	Ernest M. Searcy.
Scott	Kenton	825	37	77.6	+ 2.1	98	11	57	8	30	7.25	+3.89	3.18	0	15	5	18	8	sw.	F. B. Wilson.
Shelbyville	Shelby	449	24	76.5	+ 2.2	93	11	55	26	28	4.18	+0.31	1.24	0	12	7	5	19	s.	Miss Ruth Ratta.
Taylorsville	Spencer			.....	.....	.....	.....	.....	.....	.....	6.65	.....	2.40	0	13	11	9	11	sw.	E. D. Bourne.
Tyrone, Lock 5	Anderson	526	8	.....	.....	.....	.....	.....	.....	.....	7.25	.....	2.00	0	15	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	23	76.3	+ 2.1	95	11	57	26	26	6.29	+2.10	1.51	0	13	10	10	11	sw	Mrs. E. S. Humlong.
Woodburn, Lock 4	Butler	538	9	.....	.....	.....	.....	.....	.....	.....	8.11	+3.61	2.40	0	15	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	9	78.3	+ 2.8	98	11	58	26	35	3.17	−1.10	0.80	0	14	12	9	10	sw.	Curtis Purvis.
Beattyville	Lee	690	22	77.6	+ 2.5	99	11	56	27	35	9.46	+4.98	1.53	0	17	3	16	12	ne.	Robert S. Smallwood.
Berea	Madison	1076	24	75.8	+ 1.4	92	6†	53	26	28	7.30	+3.03	1.30	0	17	3	19	9	sw.	Frank Montgomery.
College Hill, Lock 11	Madison	691	16	.....	.....	.....	.....	.....	.....	.....	6.35	.....	1.15	0	16	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	8	.....	.....	.....	.....	.....	.....	.....	8.15	+4.62	2.25	0	14	.....	.....	.....	.....	P. H. Kellor.
Falmouth	Pendleton	660	37	.....	.....	.....	.....	.....	.....	.....	8.10	+3.68	2.30	0	14	14	4	13	se.	J. V. Oldham.
Farmers	Rowan	668	18	76.9	+ 2.8	99*	12†	53	26†	36	7.81	.....	1.38	0	12	14	6	9	e.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	841	1	.....	.....	.....	.....	.....	.....	.....	6.76	+2.24	1.28	0	13	16	6	9	e.	C. A. Glascock
Frenchburg	Menifee	993	10	.....	.....	.....	.....	.....	.....	.....	4.63	.....	0.71	0	14	.....	.....	.....	.....	John A. Walters.
Hood, Lock 10	Clark	589	1	.....	.....	.....	.....	.....	.....	.....	4.89	.....	1.10	0	15	.....	.....	.....	.....	Col. Frank Powers.
Grayson	Carter	840	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. Mitchell.
Greenup, Dam 30	Greenup	517	1	73.4	.....	90	4†	52	26	32	.....	.....	.....	.....	.....	12	14	5	.....	Mrs. Agnes Farley.
Harlan	Harlan	1157	1	.....	.....	.....	.....	.....	.....	.....	7.06	.....	2.60	0	7	.....	.....	.....	.....	Chas. A. Ihrig.
Hazard	Perry	869	2	.....	.....	.....	.....	.....	.....	.....	8.20	.....	1.66	0	17	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	664	9	73.6	.....	96*	5†	52*	25	33*	6.51	.....	1.87	0	10	25	0	6	sw.	Miss Lake Napier.
Hindman	Knott	1032	1	.....	.....	.....	.....	.....	.....	.....	7.02	.....	1.52	0	16	.....	.....	.....	.....	R. R. Davidson.
Jenkins	Letcher	1566	1	.....	.....	.....	.....	.....	.....	.....	4.72	+0.83	1.03	0	13	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	544	22	.....	.....	.....	.....	.....	.....	.....	9.13	+6.07	2.60	0	13	12	10	9	s.	Perry E. Bennett
Maysville	Mason	524	29	77.6	+ 0.9	96	11	56	26	31	7.69	+3.48	2.46	0	14	18	10	3	.....	Matthew Woodson.
Middlesboro	Bell	1128	39	73.8	− 0.4	97	10†	51	26	39	6.50	+2.53	1.10	0	15	12	8	11	w.	W. R. McKee.
Mount Sterling	Montgomery	930	36	75.8	+ 1.7	93*	6†	52*	26	30*	12.23	.....	2.45	0	14	.....	.....	.....	.....	Andrew M. Staniforth.
Opequon, Dam 35	Campbell	497	4	.....	.....	.....	.....	.....	.....	.....	6.02	+1.95	2.86	0	11	.....	.....	.....	.....	Robert Bepass.
Pikeville	Pike	646	20	.....	.....	.....	.....	.....	.....	.....	5.73	.....	1.23	0	15	.....	.....	.....	.....	F. C. Bell.
Prestonsburg	Floyd	640	1	.....	.....	.....	.....	.....	.....	.....	6.38	.....	0.85	0	17	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breath it	732	1	77.4	.....	100	11	57	26	36	9.36	.....	1.60	0	13	.....	.....	.....	.....	Walter P. Bush.
Ravenna, Lock 12	Estill	651	8	.....	.....	.....	.....	.....	.....	.....	4.40	+0.80	0.70	0	13	13†	9†	3†	.....	J. W. Crooke.
Richmond	Madison	926	35	77.0	+ 1.5	92†	7	58†	26	24†	2.26	.....	0.86	0	14	22§	6§	2§	nw.	Mary Rockwell.
Rockcastle	Letcher	1295	3	73.0	.....	97	11	56‖	9	35‖	6.98	+2.85	0.96	0	20	.....	.....	.....	.....	Thos. Sullivan.
Sargent	Madison	841	13	.....	.....	.....	.....	.....	.....	.....	4.65	+0.41	0.99	0	9	.....	.....	.....	.....	H. M. Fannin.
Valley View, Lock 9	Madison	925	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warsaw, Dam 42	Gallatin	760	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	G. H. Zimmerman.
Wayland	Floyd	1142	1	.....	.....	.....	.....	.....	.....	.....	5.10	.....	1.50	0	9	.....	.....	.....	.....	Lawrence R. Uhl.
Waynesburg	Lincoln	976	20	78.2	+ 2.2	98	11	55	26	34	11.89	+7.23	2.85	0	12	21	6	4	.....	Shelby Angel.
Williamsburg	Whitley	1142	1	.....	.....	.....	.....	.....	.....	.....	7.07	.....	1.25	0	13	.....	.....	.....	.....	.....
Willow, Lock 13	Lee	611	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes				77.8	+ 1.7	101	6	51	26	39	7.51	+2.80	5.00	0	14	12	10	9	sw.	

State averages and extremes

All temperature data are taken from self-registering thermometers.

The departure from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining the section or division means.

Reference letters, as a, refer to notes appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. † Records too late to be included in means and summaries.

‡ Post office at Pleasureville. § Lone Oak.

‖ Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8 Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

Kinney, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

T Precipitation is less than 0.01 inch rain or melted snow

MISCELLANEOUS.

Aug. 17.—Excessive rains caused extensive damage by washing out bridges and culverts and flooding bottoms in the northern and western counties.

Aug. 23.—A woman was drowned by the sudden rising of a creek near Frankfort. A boy was killed by lightning near Middleburg.

Daily Precipitation for August, 1926

Stations		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																	
Beaver Dam	G	.58		.38	.10		.10						10	.20			.16	.70	.80	.20	.20	.10					.20						
Blandville	M	.27	.46	.02	T.		.06						.33	.56		.04	.80	.30	.85	.17	.07	.29											
Calhoun	O	.16		T.	T			T.			T		.24	.48		.21		.87	.59	.01	.31	.26		.03								
Burkinton	G	.09	.42	T	.11		.54																										
Greenville	G	.38			.17	.04		.28					1.05				.18		.58	.48	.50	.31	.11				.24						
Hopkinsville	C	1.34			.07	.04							.24		T	T	1.91	.75	.25	.18		.70		.15	.3					T	T	
Marion	O	T	.21	.16	.42	T.							.79	.01	T	T	.02	1.14	1.34	.64	.02	.22	T				.05				.15	.41	
Mayfield	M		.65	.40		.10							.15			T	1.85															
Murray	T	1.15	.66	.25									1.60			1.16	2.30	1.26	.10	.45	.35											
Owensboro	O	.20	.28	.09				T					1.25			.10	.20	1.50	.40	.10	.54											
Paducah (negr)	O	.85	1.60	.10										.87		T.	.15	.18	1.49	.10	.48	.02	.07		.49	.14							
Paducah	O	.73	.08	.20	1.15								12	.25	.75		1.08		.56	.10	.65	.25			.22								
Princeton	G	.50	.43	1.60	.25		.03								.18	.72		.14	1.65	2.4		.43	T	.12			T				T		
Rudiman	G	.34	.16											.40	.13		.30	.63	.50	.90	.88	.63					1.10					
Russellville	G	1.40		.03	.20	.02							.14	.88		.29	.05		1.66	.56	.09	.04	.25		.13	.80				T	.06		
														.52		.03	.69	1.51	1.55		.02				.54	.5				.62	.4		
Central Division																																	
Anchorage	O	.25	.07																														
Bardstown	S	.95	.13				1.52						.83			.86	.04	.35	.97		1.15	T.	.08	.35	.42								
Bowling Green	G	1.26	.10	.05	1.28	.90	.30						.32	.93			.53	1.03	1.50	.62		.50	.14		.23	.45							
Bowling Green, No. 2	G	.96	.17	.14	1.31	.22								.10		.22	1.70	.15	.58	1.66			.16		.16	.6							
Brooksville, Lock No. 6	G	1.47	.27	.48	.25	.15	.80							.39		.27	.23	1.72	1.67	.94			.16	T.	.67	.62							
Burnside	C	.27	.12	.74			.03						1.68	.04		.06	.98	1.68	2.23	.93		.60	.18	.56	.55							
Carrollton (Lock No. 1)	K	.92	.41	.52	.09		1.32						.57			.38	.12	1.54	1.33	1.34	.66	.50			1.15	1.80	.02						
Cloverport	O	.65	.52	.21			.04						.24		.04	.50	1.90	.28	.49	.64	.03	.35	1.04	.03	.53								
Cold Spring, Dam 36	O	2.00	.35	.40	.17		1.50				T.			14		13	.16	.70	1.60		.16	.30	.28		.78	1.05				T			
Dix Dam, Burgin	K		T.	.02	.10	.02	.54						.15	.11	.07	.76	.13	.48	.93	.11	.12	.40	.19		.55					T			
Erlanger	C	.18	.35	.24	.13		.40						1.29	.15			.70	.83	.56	.42	.79		T.	.29	.30								
Frankfort	K	2.18	.05	T.	.08		1.10						1.25	.20			1.30	4.01	1.61	.65					.40					T			
Franklin	G												.33	T.		.71	.26	.65	.70	.70	.05	.15		1.56	.66							
Gest, Lock No. 3	K	2.72	.21	T.	.20		.70						1.00			2.52	.34	.04	.80	.21	.62	.68		.21	.24								
Glasgow	G	.50	.30	.45			.50									1.09	1.20	1.50	.20		1.60			1.20								
Grand Dam 38	O	1.98	.08	.02	T.		1.50						.14	.02	T	.52	.03	.41	.65	.31	1.09	13	T.	.51						1.40	9.55	
Greensburg	G	1.34		.03	.38		.16						.03	.30		.09	.60	1.33	.71	.05	.96			1.40	.65	.02				1.04	9.62	
High Bridge, Lock No. 7	K	.86	.07		.08		.61						1.02	.14		1.44	.58	.68	.12	1.37	.28			.20	.56						7.59	
Irvington	O	.27	.02	.58			.67				T.	T.	T.		.08	.54	1.42	T.		2.16			.15	.43						7.92	
Junction City	K	.27	.32	.01			.28						1.70	.07	.03	.22	.19	1.33	.69	.93	.79	.10		.70	.09						7.02	
Leitchfield	G	.10	T.	.30			.16						.95	.10			.04	1.26	.94	1.70	.16	.17		.80	.27						8.21	
Lexington	K	.22	.01	.02			.70						.60	T.		10	.85	.75	.95	.50	.15			.65							7.17	
Little Rockman, Lock No. 9	K	.45	T.	.67	.10		.48	T.					.18	.02		.22	.79	.62	.49	.48	.51	.19		.11	.55	.05				1.25	.45	7.10	
Lockport, Lock No. 2	K	.12		.22			.56						1.17	.10		T.	.15	.56	2.15	.30	.66	.42		.14	.28						7.03	
Lopsville	S																														7.02	
Dix (Cherokee Park)	O	.09	.01	.08	.03		.66						1.22			1.53	.80	.01	1.12	.41	.66	.08		.24	.19						7.25	
Munfordville	O	.18	T.	.05	.08		.63						.24	T.	T.	.57	1.03	.02	.27	.75		1.50		.19	1.24					.09	7.20	
St. John	O	.30	.70	.09	1.07		.86						.02	.01	T.		1.62	.14	.88	.99	.30	1.05		.02	1.52				.05	.02	6.89	
Salvisa, Lock No 6	S	.59	.03	.18	.02		1.68				T.						1.20	2.20	1.08	.67	.07	.29			.76					.69	.65	6.85	
Scott	K	1.05	.10		.10		.82										.05	.72	1.03	3.76	.01	.09		.69	.48					.04	9.72	
Shelbyville	L	1.96	.41	.66			1.77	.04					.80	.14		.45	.10	.78	.90	.12	.95		.07		.33	.24						9.32	
Taylorsville	S	.31	.25	.02	.57		.88						.16			.12	1.66	.01	.68	.43	.18	.25	.33		.41					T		9.46	
Tyrone, Lock No. 5	S	.31	.65				.47				T		.15			.66	.25		1.12	.94		.18		3.18							8.47	
Williamstown	K		.05										.43		T.	.06	.20	.12	.95	T.	.12	T.		.19	1.24					T.	.25	
Woodbury, Lock No. 4	L	.95	.25				1.11						.42	.02	.05	.04	.05	T.	1.12	.08	.30	.12		.45	.33	2.40				.01	.03	4.18	
Eastern Division													.10	.74		1.51	.45	.03	.77	.03	.13	.01			.21					.05	6.65	
Ashland	G	1.26		.16	.21		.04							.02		.02	.20	1.10	2.40	.73		.08			.60	.16						6.20	
Beattyville	O		.12																											.61	.52	8.11	
Berea	K	.20	.16	.08			.05							.04		.40	.29	.40	.20	.80	.23	.03	.05		.11	.40							
College Hill, Lock No. 11	K	.12	.11	.07			.12						.80	T.		.16	.09	1.11	.44	.24	.43	1.53		1.04	1.15	.14				.05		8.17	
Cynthiana	K	.26	.04	.07	.23		.59						.68		.03	.15	.92	.27	.28	1.78	.74			.45	.38	.29				1.42	.68	9.46	
Falmouth	L	.45	.10	.04			1.80						.25			.20	.35	.40	.40	1.15	.64	.60		.40	.40					.68	.64	7.01	
Farmers	L	1.32	.05	.22			.72						.07	.60		1.05	.35	.02	.60	1.15	.50			.30	.40					.70		7.39	
Flemingsburg	L	2.90		.03			1.22						.11	.05		2.35	1.18		.65	.03	.48			.74								8.35	
Ford, Lock No. 10	K	1.20	.16				.21						.10			.55	.45	.83	.68	.58	.60			.54								8.15	
Grayson	O		.21				.80						.40		.55	.35	.20	1.38	.74	.90	.10		.37	.51						.67		8.10	
Greenup, Dam 30	K	.37	.04	T.	.61		.75						.47	T.		.06	.30	.44	.60	.25	.82	.53		.16	1.28					.15		7.81	
Harlan	O		.21				.20						.22	.50		.71	.50	.29	.27	.28	.32	.08	.56	.27						.05	.03	6.56	
Hazard	O	.20	.12	.18			.25						.20			.65	.10	.18	.86	1.05	.12	.05	.20		.04	.02							4.63	
Heidelberg, Lock No. 14	K																															4.89	
Hindman	K	.23	.04	.05			.10						.97					.46	2.60	.58	T.			.54	1.40					.11		7.66	
Jenkins	K			T.		.31							1.05			.04	.41	.95	.92	.72	.34	1.30		1.06	.32	.05				.50	.32	8.30	
Louisa	K	.16	.03	.80			.64	.02				.84	.82	.04			.59	.53	1.87		.66			.74	.65					.60		6.51	
Maysville	B	.15												.50			.31	.50		.29	.03		.48	.42	.26					.07		6.64	
Middlesboro	O	1.15	.14		.08		1.16						.26		.14	6.4	1.02	.30	.18	.28	.20	1.10			.35	.86	.12				1.02	.14	7.42	
Mount Sterling	C	1.12	.05		.60		.68							.92		2.00	.75	T.	.61	.78	.79	T.	.37		.21	.13							4.72	
Owenita Dam 35	L	.34	.05	T.	.15		.66								.16	.22	.05		.86	.66	.83			2.46	.51							9.13	
Pikeville	O	2.45	.60	T	T.		1.66						.63	.02		.62	.68	.32	.46	.34	1.10	.30								.34	.50	7.69	
Prestonsburg	B		T.			.12	T						.25	.53	.11	1.84	1.78	.40	.21	T	.96	.08	.45	.31						.06		6.50	
Quicksand	K			.20		.08	.70						1.12			2.86	.12	.84	.18	.66	T.											12.23	
Ravenna, Lock No. 12	K	.72	.06	.05			.40						.24	.67	.15		1.23	.33	.10	.88	.18	.06		1.01	1.00	.20				.68	T.	6.02	
Richmond	K	.10	T.	T.			.18						.65	.25	T.	T.	.25	.55	.45	.35	.10	.35		.40	.70	.10						5.73	
Sergent	K	.37	.10	.05			.70						.60			T.	.32	1.60	1.20	1.07	.18	.52	T.	.88	.68	T.				.85	.15	6.38	
Valley View, Lock No. 6	K		.02	.19			.06									.40	.30	.25	.40	.50	.40			.55	.56					.48	1.55	9.36	
Vanceburg, Dam No. 32	K	.29	.10	.12		.03	.20						.55			.05		.05	.68	.12				.04			.08	.03	.02	.86	2.26	
Wayland	O	.78	.30				.66						.50	.10	.03	.28	.37	.29	.95	.96	.95		.28	.15	.50	.53			.20	.35	6.98	
Whitesburg	B													.75		.99		.33			.35			.27	.28						4.65	
Williamsburg	K		.40																														
Willow, Lock No. 13	K	.70			.12								.95	T.					.95	.66	.20	.10		1.50	.80					.60		5.10	
		.42		.07	.61		.13						1.80	.95		T.	.48	1.07	.23	.10	1.20			.92	.85					1.38	11.89	
													.48			.50	1.25	.47	.09		.52			1.07						.68	.48	7.07	

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

c Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Rivers.—Low stages prevailed in the Ohio during the first two weeks, after which a sharp rise that culminated in the lower section on the 25th resulted in stages of 25 to 35 feet at most stations along the border of this State. The upper Green was moderately high on the 20th and the upper Cumberland on the 26th.

Errata.—June, 1926, precipitation, greatest in 24 hours, Beattyville, 0.84, 15th; total, Hopkinsville, 2.74; prevailing direction, Russellville, south. July, 1926, mean temperature, Ashland, 76.9; total precipitation, Mayfield, 1.59; prevailing direction, Hopkinsville and Shelbyville, south.

Daily Temperatures for August, 1926.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	86	89	85	90	94	95	87	84	89	97	98	90	89	93	90	86	82	87	80	85	94	94	93	79	83	85	90	93	94	92	86	89.2
	Minimum	72	72	70	70	70	71	67	67	69	68	74	70	69	71	72	72	69	70	72	70	68	74	69	69	62	66	68	63	67	70	69	68.1
Blandville	Maximum	84	87	83	85	89	90	83	82	87	91	90	91	83	84	82	84	74	83	85	72	67	71	70	73	69	61	61	61	70	72	69	71	69-1
	Minimum	71	69	71	71	71	73	65	64	64	69	75	72	69	71	72	70	69	72	70	69	72	69	68	70	61	57	60	63	69	71	70	68.7
Calhoun	Maximum	86	87	86	87	90	93	88	87	87	95	94	89	88	88	84	86	85	85	86	84	91	89	88	80	84	88	90	93	94	91	92	89.7
	Minimum	73	70	71	70	70	71	67	69	64	69	97	96	89	88	82	86	87	83	86	90	83	94	93	93	83	85	91	93	94	69	70	70	68.4
Earlington	Maximum	86	89	89	90	92	94	89	87	90	96	96	96	89	88	91	88	89	90	87	91	91	91	91	91	91	91	91	91	91	91	91	91	91.4
	Minimum	74	71	70	69	72	70	66	66	69	73	78	73	69	70	73	72	70	71	69	69	72	71	69	70	68	71	70	62	66	63	61	71	70.1
Greenville	Maximum	86	98	86	90	92	92	85	84	89	96	97	86	84	87	85	85	82	83	85	89	92	83	92	95	95	86	84	89	94	97	98	96	91	90.5
	Minimum	71	70	68	67	68	69	68	68	68	69	72	69	67	69	70	71	68	70	68	74	82	83	92	95	95	86	84	89	94	97	96	91	90	68.4
Hopkinsville	Maximum	86	91	89	87	91	95	88	87	93	100	98	85	91	93	91	90	82	87	89	92	85	92	95	95	95	86	84	89	94	97	96	91	90	89.8
	Minimum	71	74	69	71	70	69	67	64	67	74	70	69	68	71	72	69	71	72	69	71	71	69	67	69	67	61	61	61	70	70	69	69	68	68.6
Marion	Maximum	85	87	87	88	87	91	91	91	90	97	97	96	94	94	90	88	89	90	89	90	91	94	94	91	90	91	91	91	91	91	91	91	91	91.2
	Minimum	71	69	71	69	72	74	65	59	65	70	70	70	70	71	70	70	70	70	69	67	70	72	72	72	72	60	61	61	70	70	69	69	68	68.4
Mayfield	Maximum	89	88	85	88	91	95	88	84	90	99	96	96	88	89	90	90	85	89	90	89	95	96	98	95	95	86	84	89	94	97	96	91	90	89.0
	Minimum	71	68	70	71	70	71	66	61	62	67	74	74	70	70	71	69	69	72	71	69	70	68	71	70	62	60	63	61	71	70	69	67	67	66.9
Murray	Maximum	89	91	88	91	93	97	85	81	91	96	97	99	91	93	89	90	85	89	90	89	95	96	98	94	95	86	84	89	94	97	96	91	89	90.3
	Minimum	66	65	64	67	65	...	...	...	...	...	71	71	69	68	70	70	69	70	71	69	68	70	71	72	69	66	68	70	63	59	58	64	67	68	67	68	66.8
Owensboro	Maximum	87	86	86	89	92	92	83	83	87	94	96	86	85	89	85	90	85	85	88	89	92	88	92	95	95	86	84	89	94	97	96	91	89	89.7
	Minimum	71	68	68	67	68	70	64	59	62	67	70	71	67	69	72	71	68	69	70	64	66	66	69	63	61	58	60	63	67	66	66	65	67	68	67	66.2
Paducah (near)	Maximum	89	88	91	92	100	97	89	89	93	100	99	94	97	96	90	85	90	92	87	89	94	95	95	91	90	91	91	91	91	91	91	91	91	91.0
	Minimum	71	69	72	70	71	73	62	60	63	69	73	75	71	71	72	70	69	72	72	69	74	71	68	70	68	63	58	58	63	66	70	67	69	69.1
Princeton	Maximum	89	88	91	92	100	97	89	89	93	100	99	97	98	96	90	85	90	92	87	89	94	95	95	91	90	91	91	91	91	91	91	91	91	91	91	91	91	91	91

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., SEPTEMBER, 1926. No. 9

THE LIBRARY OF THE
NOV 4 1926
UNIVERSITY OF ILLINOIS

GENERAL SUMMARY.

Mean daily temperatures above normal during three weeks vored the growth of retarded crops in the western counties d hastened maturity in the eastern counties. Much cloudi- ss, with frequent showers and often heavy to excessive rains, terfered greatly with outdoor work, particularly tobacco arvest. Early tobacco ripened normally, but the rains delayed tting from a week to ten days. In the second decade, which as fairly dry, the work of caring for this crop was pushed with e utmost speed, and tobacco housed at this time began curing asonably well. In the last decade, however, almost daily owers rendered the work of cutting and housing exceedingly fficult, and resulted in tobacco being placed in barns in un- tisfactory condition. Under these circumstances there was me sweating, but an occasional dry day with sunshine inter- ersed at critical intervals, largely checked such tendencies and evented serious injury. Late tobacco developed rapidly but pened slowly. Practically all Burley had been saved at the se of the month, but a small percentage of the crop remained the field in the Dark district. Except on a few days early rn dried very slowly. Its sappy condition and the prevailing mp weather caused cutting to be delayed as long as possible. here was fairly good progress with silo filling. Most late corn s safe from frost at the end of the month. In the second cade the weather was mostly favorable for curing late hay, t rains caused injury at other times. Late white potatoes d sweet potatoes suffered from lack of sunshine. Cannery matoes rotted seriously, and were reduced in yield because of lure to set fruit in the rainy weather. Cotton grew rank and ening of bolls was delayed. Plowing made some progress, nerally better in the southwestern counties where the rains re lighter and less frequent; but late in the month it was spended because of rain or deferred in order to care for the bacco crop. Less than the usual amount of rye was sown, rgely because of the luxuriant condition of pastures. Fruit s picked and marketed with some difficulty and with more an the usual loss.

TEMPERATURE.

The average temperature for the State, determined from the ports of 43 stations, was 73.5°, which is 3.2° above normal. xcept for a sharp cool wave from the 25th to 28th, mean mperatures were near or above normal and minima generally derate or fairly high for this month. Extremes for the ate were 98° on the 17th at Murray, and 40° on the 26th at ott.

PRECIPITATION.

Precipitation for the State, based on reports from 80 stations, eraged 3.78 inches, which is 0.97 inch above normal. Except the western counties, where showers were somewhat scattered, n occurred quite generally in the period 1st-6th. From the d to 30th rain was also general on most days, and frequently avy to excessive. Local downpours caused some injury to ps. Marked irregularity prevailed in areal distribution. In e central and extreme northern counties amounts ranged tween 4.0 and 6.0 inches at most stations. In the western rision and the eastern mountain section they were generally less than 3.0 inches, and at a few stations less than 2.0 inches. Extremes for the State were 7.31 inches at Quicksand and 1.18 inches at Pikeville.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
								Max. Velocity.*		
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity	Miles per hour	Direction.	Date.
Cairo ..... Ill.	30.02	30.40	26	29.85	5	5200	7.2	34	sw.	23
Cincinnati ..... Ohio	30.08	30.47	26	29.85	2	3859	5.4	30	sw.	4
Evansville ..... Ind.	30.06	30.47	26	29.87	5	5238	7.3	34	sw.	22
Lexington ..... Ky.	30.07	30.40	26	29.88	2	7973	11.1	50	ne.	2
Louisville ..... Ky.	30.08	30.45	26	29.88	1	6586	8.9	42	s.	5

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more	Number of days with 20 per cent or less
Cairo ..... Ill.	89	68	76	249.5	372.4	67	14	5
Cincinnati ..... Ohio.	89	69	80	177.6	373.1	48	6	8
Evansville ..... Ind.	85	62	70	246.6	372.9	66	12	6
Lexington ..... Ky.	88	70	..	214.9	372.9	57	10	5
Louisville ..... Ky.	86	66	76	223.8	372.9	60	10	6

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.				Precipitation.		
	Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Monthly average.	Departure from 35-year normal.	No. of days with .01 in or more rain.
1889	72.1	+1.8	101	36	1.23	−1.58	..
1890	67.0	−3.3	95	36	2.71	−0.10	..
1891	69.5	−0.8	97	42	1.89	−0.92	..
1892	68.5	−1.8	93	38	2.68	−0.13	..
1893	69.6	−0.7	99	35	3.24	+0.43	..
1894	71.7	+1.4	98	37	2.71	−0.10	..
1895	73.4	+3.1	101	27	1.10	−1.71	..
1896	68.6	−1.7	100	30	3.77	+0.96	13
1897	72.8	+2.5	105	31	0.21	−2.60	7
1898	73.4	+3.1	103	42	4.36	+1.55	11
1899	68.7	−1.6	105	27	1.66	−1.15	9
1900	74.6	+4.3	102	35	2.25	−0.56	5
1901	68.1	−2.2	98	33	3.57	+0.76	6
1902	67.3	−3.0	97	29	4.01	+1.20	6
1903	69.1	−1.2	100	32	0.91	−1.90	16
1904	71.1	+0.8	99	34	2.58	−0.23	4
1905	70.2	0.1	95	36	2.61	−0.20	8
1906	73.0	+2.7	95	45	6.15	+3.34	6
1907	69.1	−1.2	102	35	3.00	+0.19	13
1908	71.6	+1.3	101	36	1.63	−1.78	6
1909	67.7	−2.6	97	32	2.51	−0.30	3
1910	71.8	+1.5	99	38	4.41	+1.60	6
1911	74.3	+4.0	99	46	3.71	+0.90	8
1912	71.0	+0.7	103	33	2.80	−0.01	10
1913	69.6	−0.7	106	29	2.49	−0.32	7
1914	67.8	−2.5	97	36	2.56	−0.25	9
1915	70.7	+0.4	99	32	3.32	+0.51	8
1916	67.2	−3.1	98	32	3.48	+0.67	7
1917	67.7	−2.6	98	34	2.56	−0.25	6
1918	62.8	−7.5	92	30	2.94	+0.13	8
1919	71.5	+1.2	102	40	1.69	−1.12	8
1920	70.8	+0.5	16	38	3.30	+0.49	4
1921	75.5	+5.2	99	45	5.37	+2.56	9
1922	72.7	+2.4	103	39	2.22	−0.59	13
1923	69.8	−0.5	94	39	2.87	+0.06	5
1924	68.3	−5.0	97	35	4.49	+1.68	8
1925	77.2	+6.9	110	45	2.83	+0.02	10
1926	73.5	+3.2	98	40	3.78	+0.97	9

Climatological Data for September, 1926.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	22	75.1	+ 4.2	94	14†	46	26	34	2.36	−0.32	0.70	0	9	19	4	7	s.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	14	73.6	+ 2.7	89	14†	44	26	28	2.24	−0.91	0.77	0	7	12	9	9	sw.	E. W. Horr.
Calhoun	McLean	437	22	73.3	+ 1.3	91	14	43	26	34	2.03	−0.76	0.71	0	7	5	19	6	e.	W. A. Taylor.
Earlington	Hopkins	420	36	75.5	+ 4.4	94	16	46	26	37	1.71	−0.98	0.63	0	7	21	3	6	sw.	Brick Southworth.
Greenville	Muhlenburg	519	9	74.0	+ 3.0	95	22	44	26	40	2.20	−0.61	0.90	0	6	21	6	3	s.	C. R. Lovell.
Hopkinsville	Christian	524	30	76.8	+ 4.7	96	14†	45	26	39	2.97	−0.18	1.60	0	4	14	9	7	se.	W. E. Graves.
Marion	Crittenden	571	28	74.8	+ 2.6	92	19	50	26†	37	2.17	−0.76	0.71	0	4	12	12	6	sw.	B. C. Paris.
Mayfield	Graves	364	17	76.1	+ 4.7	94	14†	45	25	40	2.90	−0.19	1.20	0	4	16	13	1	ne.	Mrs. C. R. Sowell.
Murray	Calloway	412	0	75.7	.....	98	17	44	11	41	1.32	.....	0.52	0	4	12	13	5	e.	Harry B. Arnold
Owensboro	Daviess	479	29	72.0	+ 1.5	90	17†	43	26	31	3.53	+0.69	1.00	0	8	12	5	13	s.	Henry S. Berry.
Paducah (near)§	McCracken	516	9	76.2	+ 3.2	97	20	45	26	39	2.78	−0.48	1.15	0	5	23	2	5	se.	J. W. Lilley
Paducah	McCracken	341	37	.....	.....	.....	.....	.....	.....	.....	1.88	−1.06	0.70	.....	4	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	37	.....	.....	.....	.....	.....	.....	.....	2.80	−0.18	1.20	0	10	9a	11a	9a	n.	Dr. W. L. Cash.
Princeton	Caldwell	529	19	*72.8	+ 1.4	90a	14†	44a	26	29a	4.44	+1.05	2.34	0	8	.....	.....	.....	.....	Thos. L. Wetzell.
Rumsey, Lock 2‡	McLean	384	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Russellville	Logan	590	15	75.0	+ 3.5	94	22	46	26	36	2.04	−0.96	0.80	0	8	24	1	5	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	25	71.5	+ 3.0	92	22	42	26	37	2.86	+0.20	0.93	0	11	20	6	4	sw.	C. E. Barret.
Bardstown	Nelson	637	29	73.4	+ 1.9	92	14†	44	26	34	3.43	+0.58	0.96	0	9	12	7	11	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	75.8	+ 4.1	96	16†	46	26	35	3.91	+0.57	1.80	0	6	11	12	7	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	1	.....	.....	.....	.....	.....	.....	.....	2.86	.....	0.97	0	9	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	9	.....	.....	.....	.....	.....	.....	.....	4.17	+0.49	1.98	0	9	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	35	.....	.....	.....	.....	.....	.....	.....	5.14	+2.31	0.83	0	10	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	27	.....	.....	.....	.....	.....	.....	.....	2.72	+0.11	0.87	0	15	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	12	.....	.....	.....	.....	.....	.....	.....	4.03	.....	0.94	0	11	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	0	.....	.....	.....	.....	.....	.....	.....	2.66	.....	1.24	0	15	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	2	*72.8	.....	92d	22	41d	26	32d	5.64	+2.13	1.16	0	8	21	6	3	.....	Geo. Henry Ellis.
Eubank	Pulaski	1177	32	74.8	+ 5.6	93	16	48	26	30	2.06	−0.80	0.62	0	10	12	8	10	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	34	72.6	+ 4.1	90	4	45	26	32	.....	.....	.....	.....	.....	9	6	15	w.	Sidney Wood.
Franklin	Simpson	691	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jos.H. Blewett.
Gest, Lock 3	Henry	449	16	.....	.....	.....	.....	.....	.....	.....	4.35	+1.25	1.14	0	13	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	5	76.0	.....	95	17	49	26	34	2.40	.....	1.00	0	4	23	5	2	s.	Dr. Fidella Edwards.
Grant, Dam 38	Boone	506	1	.....	.....	.....	.....	.....	.....	.....	4.66	.....	1.63	0	16	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	581	33	72.0	+ 2.4	93	23	47	26	30	6.24	+3.18	2.71	0	11	3	8	24	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	24	.....	.....	.....	.....	.....	.....	.....	3.87	+0.90	1.47	0	8	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	28	72.6	+ 2.3	90	22	44	26	29	3.33	+0.44	0.72	0	9	15	6	9	sw.	W. J. Piggott.
Junction City	Boyle	985	32	74.4	+ 5.1	92	9†	47	27	35	6.24	+3.18	1.67	0	11	9	6	6	s.	William E. Grubbs.
Lancaster	Garrard	1032	0	.....	.....	.....	.....	.....	.....	.....	4.66	.....	1.13	0	11	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	635	30	73.8	+ 4.0	93	22	45	26	32	4.10	+0.63	1.60	0	6	10	16	4	s.	H. H. Willis.
Lexington	Fayette	989	42	71.4	+ 2.9	88	14	42	26	27	4.04	+1.62	1.78	0	9	12	12	6	sw.	U. S. Weather Bureau.
Littlebeckman, Lock 8¶	Jessamine	523	15	.....	.....	.....	.....	.....	.....	.....	4.66	+1.16	1.50	0	7	.....	.....	.....	.....	Horace Center.
Lockport, Lock 2	Henry	476	16	.....	.....	.....	.....	.....	.....	.....	4.96	+2.23	1.72	0	13	.....	.....	.....	.....	Andrew J. Keenan.
LOUISVILLE	Jefferson	525	53	71.8	+ 1.3	89	22	44	26	27	5.34	+2.71	1.98	0	13	7	13	10	n.	U. S. Weather Bureau.
Do (Cherokee Park)	Do.	534	16	71.3	+ 2.4	87	4	43	26	27	4.07	+0.93	0.82	0	13	11	12	7	ne.	Wm. I. Hunt.
Munfordville	Hart	600	1	.....	.....	.....	.....	.....	.....	.....	1.62	.....	0.60	0	7	.....	.....	.....	.....	C. R. Richardson.
St. John	Hardin	777	30	73.1	+ 3.8	93	16†	44	26	35	4.49	+1.49	1.50	0	9	17	5	8	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	490	12	.....	.....	.....	.....	.....	.....	.....	5.36	+2.24	1.60	0	8	.....	.....	.....	.....	Ernest M. Searcy.
Scott ¶	Kenton	900	28	68.8	− 0.3	87	4	40	26	31	4.10	+1.47	0.62	0	16	3	14	13	sw.	E. B. Wilson.
Shelbyville	Shelby	825	37	71.6	+ 2.4	90	2†	42	26	36	3.63	+0.18	0.76	0	11	13	7	10	n.	Miss Ruth Ratta.
Taylorsville	Spencer	489	24	71.4	+ 3.4	89	16	45	26	32	4.58	+1.30	1.55	0	13	16	7	7	n.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	526	8	.....	.....	.....	.....	.....	.....	.....	4.54	.....	1.72	0	8	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	23	70.4	+ 1.8	87	4	41	26	27	3.69	+0.73	1.02	0	13	9	11	10	w.	Mrs. E. S. Humlong.
Woodbury, Lock 4‡	Butler	533	9	.....	.....	.....	.....	.....	.....	.....	2.76	−0.16	0.80	0	7	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	9	73.5	.....	92	4†	49	26	32	2.24	−0.67	0.50	0	11	10	2	18	sw.	Curtis Jarvis.
Beattyville	Lee	650	22	74.2	+ 4.4	92	4†	51	26	33	5.65	+2.58	1.54	0	12	13	7	10	ne.	Robert S. Smallwood.
Boreas	Madison	1070	24	72.8	+ 3.5	90	24	48	26	30	5.71	+2.85	1.49	0	11	4	17	9	w.	Frank Montgomery.
College Hill, Lock 11	Madison	601	16	.....	.....	.....	.....	.....	.....	.....	4.28	+0.81	1.30	0	9	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	8	.....	.....	.....	.....	.....	.....	.....	3.38	−0.23	1.48	0	9	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	37	.....	.....	.....	.....	.....	.....	.....	2.71	+0.25	1.14	0	11	11	7	12	e.	J. V. Oldham.
Farmers	Rowan	668	18	71.8	+ 3.6	91	4†	46	25	37	1.83	−1.17	0.64	0	5	18	4	8	e.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	841	1	.....	.....	.....	.....	.....	.....	.....	2.72	.....	0.60	0	10	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	10	.....	.....	.....	.....	.....	.....	.....	4.44	+0.80	1.45	0	8	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	1	.....	.....	.....	.....	.....	.....	.....	1.99	.....	0.43	0	8	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	6	.....	.....	.....	.....	.....	.....	.....	3.11	.....	0.90	0	9	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Agnes Farley
Hazard	Perry	869	2	.....	.....	.....	.....	.....	.....	.....	5.70	.....	2.80	0	5	.....	.....	.....	.....	Miss A. Ihrig.
Heidelberg, Lock 14	Lee	664	9	.....	.....	.....	.....	.....	.....	.....	5.36	+1.85	1.30	0	9	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Lake Napier.
Jenkins	Letcher	1566	1	.....	.....	.....	.....	.....	.....	.....	1.74	.....	0.30	0	11	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	584	22	.....	.....	.....	.....	.....	.....	.....	4.80	+2.13	1.10	0	9	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	29	71.5	+ 1.8	90	5†	43	26	36	3.71	+0.77	0.71	0	10	14	6	10	s.	Perry E. Bennett
Middlesboro	Bell	1128	30	74.3	+ 5.4	93	9†	53	26†	34	4.13	+1.25	0.85	.....	10	18	8	4	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	36	*71.8	+ 4.2	90a	5†	45a	26	37a	4.61	+1.07	2.10	0	8	.....	.....	.....	.....	W. R. McKee.
Oneonta, Dam 35	Campbell	497	4	.....	.....	.....	.....	.....	.....	.....	5.89	.....	1.71	0	13	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	20	.....	.....	.....	.....	.....	.....	.....	1.18	−2.22	0.36	0	6	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	1	.....	.....	.....	.....	.....	.....	.....	4.55	.....	1.56	0	10	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breathitt	732	1	74.0	.....	93	24	51	26	34	7.31	.....	1.65	0	10	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	8	.....	.....	.....	.....	.....	.....	.....	6.99	.....	2.40	0	9	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	35	73.7	+ 3.2	90	21	48	26	29	4.06	+1.24	1.08	0	8	14	8	8	.....	J. W. Crooke.
Sergent	Letcher	1235	3	74.3	.....	92	21	52	26	31	2.99	.....	1.60	0	13	14	12	4	nw.	Mary Rockwell.
Valley View, Lock 9	Madison	541	13	.....	.....	.....	.....	.....	.....	.....	5.95	+2.01	2.00	0	12	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	11	.....	.....	.....	.....	.....	.....	.....	3.33	+0.70	1.10	0	8	.....	.....	.....	.....	H. M. Francis.
Weeksland	Floyd	760	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	G. H. Zimmerman.
Whitesburg	Letcher	1142	1	.....	.....	.....	.....	.....	.....	.....	3.65	.....	1.01	0	10	.....	.....	.....	.....	Lawrence R. Thh.
Williamsburg	Whitley	999	29	76.3	+ 5.8	95	8	51	26	38	4.54	+1.00	2.28	0	5	24	3	3	.....	Shelby Angel.
Willow Lock 13	Lee	611	7	.....	.....	.....	.....	.....	.....	.....	5.99	.....	1.66	0	9	.....	.....	.....	.....	.....
State averages and ex'remes				73.5	+ 3.2	98	17	40	26	41	3.78	+0.97	2.80	0	9	14	8	8	sw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

*Also on other dates. **Received too late to be included in means and summaries.

¶Post-office addresses: —Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

MISCELLANEOUS,

Sept. 24.—Heavy hail damaged late corn and tobacco in a narrow strip near Sandersburg, Fayette County.

Rivers.—Rains of the first and last weeks caused rises to moderate stages in the Ohio. The Mississippi along the western border was relatively higher than the Ohio during the last three weeks.

Daily Precipitation for September, 1926.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
aver Dam	.70			.20	.10				.08															.10	.28	.30			.40	.26		2.36
andville				.08	.02				.01				.05									T		.77		T.	.67	.64			2.24
albourn				T.	.02	T.			.06			T.											T.	.04	.71			.12	.46	.02		2.03
arlington	.38				.12	.32								T.										.03	.16	.07			.43			1.71
eonville		T.			.04				T.														.26	.35	.45			.90	.26		2.29
arion	1.60					T.																		.22		.42			.75			2.97
ayfield					.71																		T.	T.	.58			.50	.38			2.17
array					.45								1.60											.25				1.20				2.90
enshoro					.52																	.25			.25			.36				1.02
ucah (near) ¶	.06					.90			.66	T.			T.		T.								T.	T.	.03	.50		.06	.32	1.00		2.54
ucah					.35								.23												.79			.35	1.15			2.28
uceton					.25				T.				T.		T.											.45			.76	.48		1.88
unsey, Lock No. 2	2.34			.06	.56								.01	.01									.22	.15	.25			.22	1.20	.12		2.80
ssellville	.11		.05		.02	.01			.08														.02	.08		.72			.25	.84		4.44
																								.03		.80			.76	.32		2.04
Central Division																																
chorage			.11	.36	.06	.15			.14							.09							.19	.71		T.	.04	.08	.93		2.86
rdstown	.03	.40	.38	.23	.60																		.16		.05	.96			.62			3.43
wling Green	1.80		.34																				.05	T	.64			.41	.65			3.91
wling Green, No. 2	.92		.24		.04																		.02	.05	.05	.21		.36	.97			2.86
owsville, Lock No. 6	.20		.34		.04																		.04	.05	1.98	.73			.46	.33		4.14
rsidie		.08	2.54	.17		.12	.27		.08							.02	.03	.33					.66			.98	T.		.65	.16			5.11
rollton (Lock No. 1)		.83	.81		.53	.47			.32														.11	.16	.34	.22		.11	.69	.77		5.14
verport	.11				.13	.22			.22				T.	T.	.01								.18	.12	T.	.59	T.	.02	.25	.87		2.74
d Spring, Dam 36		.11	.67	.15	.15	.17			T.	.02			T.			.42					.03		.33	.35	.94	.20		.19	.04	.26		4.03
Dam, Burgin	.11	.02	.88			.20	T.																	.01	.05				.15	1.24		2.66
nnk		.35	1.15								.35													.58	1.16	.65			.60	.80		5.64
nkfort	.15	.03	.23		.25	.05			T.	T.					T.						T.		.02		.03	.62			.08	.60		2.06
nklin																																
t, Lock No. 3	.24	.10	1.05		.02	.71	T.		.14							.22							.06	.02	.04	1.14	T.	.06	T.	.55		4.35
sgow		.30																						.20	1.00				.90			2.40
nt, Dam 38		.25	1.63	T.	.28	.29			.01	.01			.01	T.	.18	.47					T.		.16	.11	.52	.13		.21	.08	.32		4.66
ensburg	.10	.12	2.71			.16																	.02	.20	1.10	.99	.01		.51	.32		6.24
h Bridge, Lock No. 7	.27	.06	1.47			.22	.07																		.15	.43			.14	1.00		3.87
ington			.68		.42	T.			.15				T.		.06	T			.08				.11	T.	.52		T.	.15	.52	.72		3.33
ction City	.35	.05	.61			.66																		1.67	.65		.02	.10	.40	1.65		6.24
ester	.05	.26	.62	.50		.15																	.01	.06	.85	1.13			.21	.82		4.66
chfield		T.																			T.		T.	.10	1.60				.60	1.40		4.10
dington ***				.20	.20																	T.	.02	.02	1.78			.06	.23	.79		4.04
le Hickman, Lock No. 8	.18	.93	T.	T.		.03			T.														T.	T.	.39	.52			.12	1.00		4.66
kport, Lock No. 2	T.	.15	1.50			.98								T.	.43							.24	T.	.07	.77	T.	.01	.04	.38	.29		4.96
svilla ***	.09	1.72		.20	.60	T.		.12							.15						T.	.01	.12	1.75	.25			.18	.11	.95		5.34
. (Cherokee Park)	T.	.23	.09	.48	.63				.39				T.			.07							T.	.07	.38	.82			.07	.06	.64		4.07
fordville		.03	.47	.16	.54	.33			.43					T.	.07									.10	.15	.15			.17	.69		1.62
John	.35					.10																		.03	.73	1.50			.18	.95		4.49
isa, Lock No 6	.18	T.	.69	.03	T.	.20			T.				T.			T.									.18	.95			.18	1.60		5.36
t	.26	.35	1.50		.34	T.																										
byville	.44	.24	.05	.15	.09	.15			.18				T.		.60	.06				.15			.03	.73	1.50			.18	.95		4.10
lorsville	.05	.12	.40		.13	.46			.13						.03						.21	.62	.48	.25		T.	.16		.29		4.03
one, Lock No. 5	.10	.27	1.01	.24	.25	.05			.09															.25	.76			.10	.60		3.53
ianstown	.80	1.72		.07																		T.	.09	T.	1.55	.01		.05	.11	.71		4.53
dbury, Lock No. 4		1.02	.37		.04	.56			.05														.17	.42	.60				.42	.34		4.54
Eastern Division	.80				.13	.28																.12	.08	.02		.73		.62	.08	.58		3.69
land																							T.	.24		.50		T.	.38	.43		2.76
tyville		.44	.18			.10	.20		.25																							
a		.13	.49	.22		.04	1.88		.07													.16		.02		.04	.50			.05	.30		2.24
ge Hill, Lock No. 11	.09	.48	.90	T.	T.																			.03	.55	1.54	.15			.27	.78		5.65
iana	.10	.12	1.30	T.		.08			.22															.03	T.	1.49	1.00	.04		.02	.27	1.17		5.71
outh	.04	.38	1.48		T.																			.03	T.	.80	1.10	T.	T.	.10	.65		4.28
ners		.15	.31			.45			.06				.04		.04	.03								.26		.68			.05	.50		3.38
ngsburg	.64	.24	.80																					.03	.05	.01		1.14		.08	.39		2.71
Lock No. 10	.13	.20	.86		.20																				T.	.25				.42			1.83
son	.03	.57	1.45			.41	T.	T.	T.															.10	.60	.15				.55	.13		2.72
nup, Dam 30		.43	.27			.18																			T.	.30				.09	1.38		4.44
an		.33	.82			.18																		.10	.18	.22		T.		.22	.31		1.99
rd																									.25	.20	.90			.03	.30		3.11
lberg, Lock No. 14				.83									T.																			
man		.07	.27	.13		1.23			.04															T.		2.80	T.	.20	.89	.98		5.70
ing																								T.	1.30	1.28			T.	.34	.70		5.36
sa	.30	.14	.20																													
sville		.70	.24			.20	.08		.04				.02											.80	.13	.11	.19	.20	.11		1.74
lesboro		.31	.58	.58		.39			.60															.81	.95				.12	1.10		4.80
t Sterling	.31		.82			.65									.04					.71			.08		.55		T.	.05	.42		2.71
nta Dam 35		.02	2.10			.22			.34			.06											.40		.20	.10			.85	.40		4.13
ille		.43	.35		.25	.60			.02				T.			T.							.08		.06	.48			.11	.94		4.01
onsburg		.36	.16	T.						T.		T.			T.					.51		.62	.15	1.71	.56		.21	.07	.31		5.59
ssund		.43	.34	.06		1.36			.27								T.							T.			.18	.08	.12	.28		1.18
ans, Lock No. 12		1.57	.90	.50		.21			1.65															.24	1.08		.05	.20	.52		4.55
mond		.05	1.77	.18		.08																		.55	.60		.10	.30	.95		7.31
nt		.15	1.00	.05																			.18	T.	2.49	1.05			.15	1.04		6.99
y View, Lock No. 9	.10	.57	.07			.05	.06		.60						.25	.04							.05	T.	.53	1.05			.15	1.08		4.06
sburg, Dam No. 32	.15	2.00	.55			.45			.02														.03			.38		.16	.33	.35		2.99
andit	.92		.40	.10	1.10																.04	.02	.02	.29	.48			.02	.28	1.05		5.95
sburg																								.30		.03			.06	.42		3.33
nsburg																																
w, Lock No. 13		.99	1.01	.20					.20							21								10		.25	.31	.24	.14		3.65
		.11	1.66																													
						.13			.77						.15								.78	1.15		2.28		T.	.58	.20		4.54
																										.40			.25	.72		5.99

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the
ne of observation.
(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.
¶ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.
‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.
River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland
) Tennessee; (O) Ohio; (M) Mississippi.
¶Lone Oak.

rrata. —August, 1626, maximum temperature, Greenville, 98 on 24; Hindman,
maximum temperature, 87.3, mean minimum temperature, 61.8, mean monthl
rature, 76.0. Middlesboro, mean maximum temperature, 87.3, mean monthly
rature, 75.6.

Daily Temperatures for September, 1926.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	90	91	93	92	91	90	84	92	85	79	84	92	83	94	92	93	92	90	92	92	91	94	90	90	77	67	72	71	69	80	..	86.4
	Minimum	68	72	72	70	70	70	54	60	59	48	53	64	64	82	82	67	66	58	58	59	69	69	72	73	59	46	50	50	60	67	..	63.8
Blandville	Maximum	86	86	87	87	87	76	80	88	79	74	79	85	80	89	88	88	89	87	87	86	87	88	85	85	79	61	65	62	72	85	..	81.9
	Minimum	71	76	71	73	70	66	60	72	64	54	52	57	68	69	70	70	69	71	69	67	68	71	74	73	56	44	50	56	61	65	..	65.2
Calhoun	Maximum	87	87	89	89	89	77	82	89	86	75	82	87	80	91	89	90	89	87	88	89	89	89	88	87	88	81	83	66	65	68	76	83.1
	Minimum	68	73	74	70	71	67	65	60	66	62	48	53	65	66	70	68	64	62	60	61	68	72	75	74	53	43	53	55	60	67	..	63.5
Earlington	Maximum	90	92	93	90	91	78	86	91	85	78	85	91	84	92	91	94	93	93	93	93	94	95	91	89	84	67	73	70	71	82	..	86.2
	Minimum	70	75	72	74	71	68	55	63	75	54	48	56	67	66	72	71	67	68	60	60	70	70	74	73	54	43	50	50	60	65	..	64.8
Greenville	Maximum	88	90	90	89	89	83	85	90	86	77	86	90	85	92	91	94	93	95	94	95	96	97	93	91	90	81	68	77	79	89	..	86.2
	Minimum	67	72	71	70	69	68	53	60	67	51	46	54	65	65	68	67	65	59	58	57	66	67	72	71	51	44	49	56	62	66	..	61.7
Hopkinsville	Maximum	91	93	94	93	94	85	91	94	85	82	90	94	88	96	95	94	95	94	93	95	96	93	91	90	81	68	77	72	79	89	..	89.1
	Minimum	67	72	70	69	77	74	64	70	75	54	51	58	67	66	69	65	67	64	65	59	64	70	78	71	53	45	49	56	62	66	..	64.4
Marion	Maximum	89	90	87	89	88	88	83	88	88	80	81	89	88	88	88	90	90	89	92	91	90	90	89	87	85	66	71	68	65	65	..	84.8
	Minimum	71	72	74	72	70	65	58	65	68	52	52	64	69	67	67	70	70	67	66	65	68	70	74	72	51	50	50	55	60	65	..	64.8
Mayfield	Maximum	85	90	90	90	89	84	86	92	91	78	84	92	83	94	89	94	92	90	93	91	91	90	89	87	85	66	71	71	79	88	..	87.9
	Minimum	71	71	71	71	72	69	67	58	65	70	54	49	67	68	67	69	69	67	69	68	65	68	70	73	74	45	47	49	56	60	62	64.3
Murray	Maximum	93	93	91	95	92	92	88	93	84	79	85	92	85	95	91	96	98	95	94	92	95	93	91	93	82	72	76	71	85	92	..	88.9
	Minimum	70	69	67	67	69	70	55	62	70	54	44	55	56	65	68	65	63	62	65	58	66	64	72	74	68	46	50	55	62	66	..	61.7
Owensboro	Maximum	88	88	89	89	88	84	88	95	84	78	74	83	85	81	88	87	89	90	86	88	88	90	86	88	75	55	43	51	52	53	54	82.5
	Minimum	67	68	69	69	68	62	56	60	67	52	56	54	66	64	67	67	67	66	67	69	61	62	69	72	73	55	43	51	52	53	54	61.6
Paducah (near)	Maximum	92	94	94	93	91	84	88	95	84	83	87	91	85	94	93	96	96	94	94	97	95	94	89	94	82	70	68	64	71	91	..	88.1
	Minimum	72	73	72	73	70	67	58	66	67	51	48	54	68	68	71	70	68	68	65	63	68	70	74	74	51	45	50	56	61	65	..	64.2
Princeton	Maximum	88	89	89	89	89	77	82	89	85	71	80	86	82	90	88	88	89	87	89	88	90	..	80	86	76	63	53	44	49	55	60	64	[a]82.4 [a]63.3
	Minimum	68	71	70	69	70	68	58	66	67	53	52	57	67	66	69	67	67	66	62	63	70	..	72	73	53	44	49	55	60	64	..	86.7
Russellville[§§]	Maximum	90	90	92	90	91	82	86	91	87	79	85	91	85	93	91	93	92	91	92	94	90	90	79	75	72	73	78	89	..	63.3		
	Minimum	68	71	72	69	68	70	57	62	68	55	49	58	64	66	69	67	65	60	65	61	65	68	73	64	73	46	48	52	61	66	..	
Central Division.																																	
Anchorage	Maximum	89	90	90	90	87	77	80	88	79	76	80	89	76	90	89	90	88	86	87	90	85	92	89	88	76	64	65	59	69	75	..	82.4
	Minimum	67	70	70	69	69	62	55	55	62	48	53	52	65	65	67	66	66	60	56	59	65	67	66	66	70	52	42	52	52	57	54	60.6
Bardstown	Maximum	89	89	87	87	87	87	81	90	86	79	83	89	83	92	88	91	90	85	91	91	90	85	91	91	92	91	83	71	77	71	77	84.5
	Minimum	67	71	70	70	71	71	66	66	72	52	51	55	64	61	69	66	65	58	56	59	59	68	73	74	60	44	51	55	60	67	..	62.4
Bowling Green	Maximum	91	91	93	92	93	84	90	94	85	84	88	94	90	94	92	96	96	92	90	93	95	93	93	93	90	80	70	71	75	77	90	88.4
	Minimum	65	70	70	67	67	70	57	60	70	52	51	58	64	64	68	65	65	59	62	62	65	67	71	72	71	46	51	57	57	62	64	63.1
Dix Dam	Maximum	..	..	..	..	..	..	90	89	85	79	84	..	87	91	88	90	88	87	..	81	90	92	90	88	84	..	65	68	72	77	..	[a]84.4
	Minimum	68	67	..	..	..	..	55	50	72	53	51	..	66	62	69	67	64	61	..	55	60	68	66	70	72	64	44	..	..	..	..	..	[a]61.3
Eubank	Maximum	89	86	81	88	87	85	80	87	85	75	78	86	86	90	80	93	85	86	88	85	90	89	86	86	79	65	68	78	85	85	..	83.7
	Minimum	68	71	67	67	69	72	59	57	70	56	54	59	60	65	70	64	63	61	64	60	66	67	71	72	70	48	52	58	65	78	..	64.4
Frankfort	Maximum	87	88	87	90	89	80	79	88	86	77	79	85	83	86	88	88	86	86	86	86	85	87	89	85	80	65	65	64	71	76	..	82.2
	Minimum	69	73	71	70	72	72	57	56	71	54	53	54	67	62	68	67	65	63	60	61	67	67	71	77	56	45	54	55	59	58	..	63.0
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Glasgow	Maximum	90	88	92	90	91	90	89	90	89	81	84	90	88	92	90	94	95	90	94	89	92	90	91	88	81	75	84	88	80	89	..	88.5
	Minimum	64	71	76	75	74	76	64	60	72	54	54	61	65	64	60	70	66	65	60	69	60	69	69	69	58	49	51	58	54	51	..	63.6
Greensburg	Maximum	86	86	85	87	83	84	80	87	85	75	80	85	85	86	85	86	83	83	85	89	90	92	88	87	76	62	66	73	73	84	..	82.6
	Minimum	64	69	66	65	67	69	56	57	68	59	48	57	65	63	67	63	65	55	59	60	65	65	69	70	54	47	53	58	60	62	..	61.3
Irvington	Maximum	87	87	88	88	88	77	79	86	81	74	79	85	80	87	87	88	88	82	86	87	86	90	87	86	78	62	68	69	72	72	..	81.5
	Minimum	68	71	73	71	72	67	56	60	67	52	53	56	67	63	72	69	67	62	59	69	68	70	76	76	55	44	52	53	55	65	..	63.6
Junction City	Maximum	89	88	89	89	89	85	83	89	92	80	86	90	86	90	87	87	88	88	92	90	89	88	90	90	87	87	89	90	90	83	70	70	78	..	86.5
	Minimum	67	72	68	67	70	69	57	55	70	53	51	56	66	61	67	62	63	60	71	60	67	64	62	70	55	55	58	47	56	60	68	..	62.4
Leitchfield	Maximum	88	89	90	90	89	78	83	90	85	78	85	89	82	91	89	89	89	89	91	90	92	93	89	87	76	65	70	68	70	80	..	84.4
	Minimum	67	72	72	69	70	70	56	58	66	52	53	57	64	66	69	68	68	66	60	61	69	70	74	73	54	45	51	55	60	67	..	63.2
Lexington	Maximum	81	84	86	87	87	78	77	86	81	75	81	84	78	88	85	87	83	82	85	86	86	86	86	86	80	75	62	63	69	74	..	79.8
	Minimum	68	66	69	71	71	64	60	61	59	52	54	67	64	61	70	70	65	61	66	68	66	72	72	74	49	42	52	53	59	66	..	63.1
Louisville	Maximum	88	86	88	88	87	78	79	86	78	78	81	86	74	87	87	88	88	85	82	85	86	83	89	87	86	75	62	63	58	69	72	80.5
	Minimum	69	71	71	74	70	65	59	62	59	52	56	59	66	62	70	68	68	62	62	66	66	66	71	76	72	50	44	52	52	57	65	63.2
Iva (Cherokee Park)	Maximum	86	85	85	87	86	82	77	84	82	72	76	83	81	86	85	84	81	81	83	84	83	86	87	86	75	61	63	61	68	71	..	79.7
	Minimum	68	73	70	71	71	69	58	57	68	51	53	54	66	60	70	66	67	61	60	63	66	68	64	66	71	43	51	52	56	64	..	62.9
St. John	Maximum	89	90	91	89	90	78	89	89	87	77	83	90	83	91	88	89	89	89	91	90	90	90	91	89	88	72	64	64	64	70	77	83.9
	Minimum	67	70	69	69	69	69	57	60	67	51	53	55	65	63	68	66	66	61	56	59	69	68	74	70	62	44	51	54	58	57	..	62.3
Scott	Maximum	84	86	85	87	86	78	76	83	79	73	77	84	73	82	86	85	78	84	83	82	77	83	86	84	72	59	61	61	67	71	..	78.1
	Minimum	61	69	66	70	70	67	54	55	65	50	51	58	61	56	60	66	62	71	66	68	63	67	66	72	70	54	48	52	56	61	65	64.1
Shelbyville	Maximum	88	90	88	90	90	77	80	88	82	77	82	87	77	89	89	89	87	84	87	89	86	89	90	87	81	64	66	61	69	71	74	59.6
	Minimum	66	70	69	77	70	68	58	58	63	48	51	51	65	59	66	64	64	59	55	57	66	65	71	74	53	42	50	53	57	63	67	82.6
Taylorsville	Maximum	86	88	85	88	88	78	78	85	81	75	79	76	78	84	88	89	85	81	85	[a]87	86	87	88	85	78	62	65	62	71	76	..	80.7
	Minimum	65	71	70	69	71	71	51	53	68	51	50	51	65	62	66	65	64	68	56	65	68	65	70	75	66	45	50	55	59	67	72	76.2
Williamstown	Maximum	84	85	85	87	84	77	78	84	79	74	76	83	77	84	85	86	81	81	83	84	78	84	86	86	77	60	61	58	67	72	..	78.9
	Minimum	66	72	67	71	71	67	55	57	68	50	51	56	67	58	68	66	64	59	62	64	63	67	71	73	51	49	54	54	62	..	..	62.0
Eastern Division.																																	
Ashland	Maximum	87	90	87	92	92	87	79	80	88	77	83	88	76	89	92	90	85	89	90	88	82	85	88	88	86	87	67	63	62	68	76	83.3
	Minimum	64	70	67	70	72	71	66	55	69	61	60	56	67	62	67	68	65	60	65	62	66	65	68	74	67	49	53	52	57	64	..	63.7
Beattyville	Maximum	88	89	92	90	85	83	91	90	79	85	89	90	92	91	91	89	91	88	87	91	90	91	89	90	85	63	68	72	72	82	..	85.2
	Minimum	69	67	68	68	67	68	60	58	65	58	53	62	66	64	66	66	67	62	65	66	66	68	70	68	51	54	57	61	68	70	78	82.1
Berea	Maximum	85	86	87	88	87	82	78	87	86	74	81	85	85	87	87	87	87	85	86	84	86	89	86	88	90	81	58	63	68	70	78	83.5
	Minimum	70	72	67	70	72	73	66	57	72	55	53	59	68	62	71	66	68	63	67	66	66	66	72	70	54	48	52	56	61	65	..	84.1
Farmers	Maximum	84	90	89	91	90	87	79	85	90	79	83	89	90	89	91	85	87	87	88	84	86	90	84	80	74	60	66	69	81	87	..	59.4
	Minimum	63	66	65	64	67	68	50	52	65	54	46	51	58	63	63	61	55	61	58	66	61	63	71	73	51	46	51	53	57	62	65	
Hindman	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Maysville	Maximum	86	86	89	90	90	82	79	88	84	76	80	87	74	87	89	88	78	86	87	86	80	84	89	85	75	61	61	61	67	78	..	81.3
	Minimum	64	69	66	70	71	71	57	58	70	54	52	51	64	57	65	77	64	60	63	61	65	63	67	74	56	43	50	52	56	62	..	61.7
Middlesboro	Maximum	86	89	88	90	89	85	87	90	93	88	87	86	90	90	86	89	90	90	91	92	90	93	89	90	72	59	72	75	74	84	..	86.4
	Minimum	65	64	64	66	64	64	67	65	61	65	63	66	62	63	61	64	64	64	58	61	62	66	68	64	53	52	53	60	62	64	69	62.1
Mount Sterling	Maximum	..	85	89	88	90	80	76	88	86	76	86	89	80	90	89	90	86	86	87	89	88	90	83	87	84	84	87	83	88	90	81	[a]82.2
	Minimum	..	70	67	66	70	68	57	57	68	56	52	61	61	60	67	66	64	59	62	60	64	66	68	71	71	45	49	52	58	59	..	[a]61.5
Quicksand	Maximum	87	87	91	91	91	88	84	91	90	79	87	89	87	89	87	86	88	90	90	90	86	86	86	88	84	62	63	64	65	66	72	84.7
	Minimum	67	65	66	65	65	65	67	66	64	65	58	62	63	65	64	66	63	60	60	61	63	62	64	65	66	52	54	59	63	65	..	63.2
Richmond	Maximum	85	86	86	86	88	88	82	86	85	78	81	85	83	89	87	89	88	86	86	86	85	87	89	85	80	63	65	66	70	78	..	82.7
	Minimum	70	72	68	70	72	70	60	60	72	56	52	62	66	64	72	69	68	64	66	68	64	69	73	73	57	48	54	57	61	65	..	64.7
Sergent	Maximum	87	87	91	91	91	88	84	91	90	79	87	89	87	89	87	86	88	90	90	90	86	87	92	88	84	62	64	66	68	74	83	85.9
	Minimum	67	65	66	65	65	65	67	66	64	65	58	62	63	65	64	67	67	65	66	63	64	63	67	71	58	51	56	60	62	66	..	64.3
Williamsburg	Maximum	85	88	87	87	87	80	85	92	89	84	88	92	92	94	91	92	94	91	92	93	91	92	90	91	90	81	77	78	77	75	88	88.3
	Minimum	65	68	67	67	67	69	65	62	69	61	58	63	65	64	67	67	65	66	63	64	63	64	69	69	67	51	54	61	65	66	..	64.3

[§§] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[a] 2, etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. Louisville, 8-31-26-950

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., OCTOBER, 1926. No. 10

GENERAL SUMMARY.

The temperature averaged somewhat above normal, but daily means were variable with rather sharp departures at the beginning and near the close. Killing frost in the northern and eastern counties from the 25th to 27th caused no damage of consequence. Frequent and heavy precipitation rendered all work difficult and caused serious delay. Even in the short periods when weather conditions were most favorable, there was much cloudiness with prevailing high humidity, so that corn and tobacco dried very slowly and the soil remained heavy. Except on a few days rain largely prevented corn cutting and silo filling. Complaint of damage in shock, due to the persistent dampness, continued during the month. Even in standing corn drying was so delayed that no gathering was attempted except in the extreme western counties. Cutting and housing tobacco were mainly completed in the first week, with the weather warm, showery, and decidedly unfavorable for curing. More or less sweating in barns was reported, especially from the northern and central districts. Conditions for curing were somewhat better in the southwestern counties, where there was more sunshine and less rain. Wheat sowing became general in the second week, and proceeded intermittently until about the middle of the month, after which the soil was too wet to be worked on most days. In some localities the sowing of fall grains had been scarcely more than half completed at the end of the month. Wheat and rye came up to good stands and grew rapidly, in some cases becoming too advanced. Pastures continued luxuriant, but the turf became soft on account of frequent soakings. Sweet potatoes and late white potatoes suffered from lack of sunshine. Slow growth continued during the month, with variable results in yields and unfavorable conditions for digging and drying at the end. There was little favorable weather for saving late hay and practically none in which curing could be thorough. The late growth of clover, timothy and alfalfa, was much more vigorous than usual, although tending to rankness and succulence in the absence of sunshine.

TEMPERATURE.

The average temperature for the State, determined from reports of 43 stations, was 59.3°, which is 1.2° above normal. The month began with a marked warm wave in which maximum temperatures reached 90° at many stations and daily averages were 10° to 15° above normal. The coolest weather of the month occurred in the period 24-27th, when averages were 10 to 20 degrees below normal at most stations. Extremes for the State were 94° on the 1st at Murray, and 25° on the 27th at Middlesboro and on the 27th at Shelbyville.

PRECIPITATION.

Precipitation for the State, based on reports from 79 stations, averaged 5.96 inches, which is 3.36 inches above normal. Except in the western division, where rain was somewhat less frequent, showers occurred daily and quite generally in the periods, 1st-5th; 10-13th, 20th, 23d-26th, and 29th-31st. Except on the 7th and 8th, rain was reported from some part of the State on every day. Rains were heavy locally on the 5th, 19th, 20th, 24th, and 31st. In a broad belt through the central counties from the Green River basin to the lower Big Sandy, and in the section to the northward, monthly amounts ranged generally between 6.0 and 9.0 inches. In the southeastern and extreme western counties they ranged between 3.0 and 5.0 inches. Extremes for the State were 9.60 inches at Salvisa, Mercer County, and 2.12 inches at Pikeville. Snow flurries were reported from northeastern stations on the 25th.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. (In inches reduced to sea-level) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour	Direction.	Date.
Cairo ..... Ill.	29.99	30.17	[illegible]	[illegible]	24	5758	7.7	29	n.	30
Cincinnati ..... Ohio	29.99	30.21	9	29.57	24	4540	6.1	25	nw.	24
Evansville ..... Ind.	30.00	30.20	25	29.70	24	5926	8.0	37	sw.	28
Lexington ..... Ky.	30.00	30.19	9	29.49	24	3951	12.1	36	sw.	28
Louisville ..... Ky.	30.00	30.20	25	29.59	24	7192	9.7	37	s.	4

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Humidity. 7 a. m.	Noon	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	86	62	70	219.3	318.1	63	15	7
Cincinnati ..... Ohio.	88	64	75	135.8	346.1	38	6	13
Evansville ..... Ind.	83	61	69	201.7	347.3	58	10	6
Lexington ..... Ky.	86	73	[illegible]	177.5	347.3	51	10	[illegible]
Louisville ..... Ky.	84	65	74	347.3	347.3	56	10	8

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with 01in or more rain.
1889	52.0	-6.1	89	23	2.42	-0.18	
1890	55.7	-2.4	87	23	2.94	+0.44	
1891	54.8	-3.3	82	21	0.78	-1.82	
1892	57.3	-0.8	95	19	0.51	-2.69	
1893	56.4	-1.7	90	19	4.00	+1.40	
1894	58.6	+0.5	92	25	1.36	-1.24	
1895	52.2	-5.9	89	14	1.24	-1.36	5
1896	55.8	-2.3	90	25	1.71	-0.89	5
1897	62.2	+5.1	95	26	1.10	-1.50	4
1898	57.1	-1.0	93	21	4.19	+1.59	10
1899	61.3	+3.2	93	26	2.42	-0.18	7
1900	64.5	+6.4	94	29	2.29	-0.31	5
1901	58.1	+0.0	93	25	1.57	-1.03	4
1902	60.1	+2.0	91	25	2.34	-0.26	5
1903	55.7	-2.4	91	19	2.22	-0.38	4
1904	57.2	-0.9	93	26	0.82	-1.78	3
1905	57.0	-1.1	90	25	4.95	+2.35	7
1906	56.9	-1.2	91	20	1.51	-1.09	3
1907	55.5	-2.6	93	20	2.97	+0.37	7
1908	57.1	-1.0	92	20	0.71	-1.89	3
1909	55.2	-2.9	94	18	2.11	-0.49	6
1910	61.4	+3.3	96	17	4.45	+1.85	6
1911	59.9	+1.8	94	27	3.71	+1.11	12
1912	59.5	+1.4	92	25	1.42	-1.18	4
1913	56.9	-1.2	92	23	3.55	+0.95	8
1914	59.7	+1.6	91	22	5.10	+2.50	9
1915	60.6	+2.5	96	27	3.40	+0.80	8
1916	57.6	-0.5	97	24	2.59	-0.01	6
1917	51.1	-7.0	90	20	3.18	+0.58	6
1918	62.3	+4.2	91	22	3.81	+1.21	10
1919	65.6	+7.5	98	35	7.89	+5.39	15
1920	61.0	+2.9	93	24	1.64	-0.86	4
1921	57.1	-1.0	90	24	2.93	-0.29	7
1922	60.2	+2.1	96	28	2.78	-0.44	5
1923	56.5	-1.6	96	19	1.68	-1.54	4
1924	61.1	+3.0	91	24	0.95	-2.27	3
1925	52.8	-5.2	88	13	2.99	-0.23	7
1926	59.3	+1.2	94	25	5.96	+3.36	11

Climatological Data for October, 1926.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	22	60.4 + 1.7	92	1†	30	22	41	5.85 +3.05	2.20	0	6	16	9	6	w.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	44	[a]60.5 + 1.9	87[a]	2	31[c]	25	27[a]	4.38 +1.38	1.45	0	7	10[a]	8[a]	12[a]	nw.	E. W. Horr.
Calhoun	McLean	437	22	60.8 + 0.8	88	2	34	27	30	6.52 +3.13	2.04	0	8	6	18	7	nw.	W. A. Taylor.
Earlington	Hopkins	420	36	61.6 + 2.3	90	1†	34	21†	33	5.17 +2.60	1.28	0	11	14	6	11	nw.	Brick Southworth.
Greenville	Muhlenburg	519	9	61.9 + 2.6	91	1†	33	21†	41	6.14 +2.08	2.00	0	13	21	9	1	s.	C. R. Lovell.
Hopkinsville	Christian	524	30	62.0 + 1.4	92	1†	33	25	36	7.20 +4.16	1.86	0	11	14	3	14	se.	W. E. Graves.
Marion	Crittenden	571	28	61.7 + 2.8	88	2†	32	25	37	3.92 +1.38	1.70	0	5	8	14	9	sw.	B. C. Paris.
Mayfield	Graves	364	17	62.6 + 2.8	93	4	31	25	33	4.60 +2.07	1.75	0	8	10	12	9	w.	Mrs. C. R. Sowell.
Mayfield	Graves	412	0	62.6	94	1†	31	21[b]	42	5.23	1.62	0	6	12	11	8	s.	Harry B. Arnold
Murray	Calloway	479	29	58.3 − 0.6	88	2	33	25	27	8.26 +4.98	1.70	0	12	14	10	7	nw.	Henry S. Berry.
Owensboro	Daviess	516	9	62.4 + 1.6	92	1†	30	25	34	2.48 −1.81	0.83	0	6	18	5	8	so.	J. W. Lilley
Paducah (near)[§]	McCracken	516	9	62.4 + 1.6	92	1†	30	25	34	3.29 +0.01	1.00	0	8	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	37	.....	.....	.....	.....	.....	.....	4.78 +2.29	1.45	T.	9	9	10	12	n.	Dr. W. L. Cash.
Princeton	Caldwell	529	19	[a]59.8 + 0.7	87[a]	1†	33[a]	25	27[a]	6.37 +2.66	2.10	0	13	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2[‡]	McLean	384	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Russellville	Logan	590	15	60.4 + 1.0	91	1	34	25	32	6.58 +4.10	1.71	0	8	16	3	12	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	25	[a]56.6 − 0.2	89[a]	1	26[a]	27	33[a]	6.17 +3.12	1.83	T.	9	17[a]	4[a]	9[a]	sw.	C. E. Barret.
Bardstown	Nelson	637	29	59.2 + 0.1	90	1	27	27	38	7.60 +4.78	1.66	0	12	8	5	18	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	37	[a]60.8 + 1.6	93	1	33[a]	25	30[a]	7.55 +4.83	2.00	0	12	8	11	12	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	1	.....	.....	.....	.....	.....	.....	6.28	1.64	0	11	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6[‡]	Edmonson	410	9	.....	.....	.....	.....	.....	.....	6.41 +2.72	1.60	0	11	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	35	.....	.....	.....	.....	.....	.....	4.44 +1.41	1.12	0	10	.....	.....	.....	.....	F. B. Bradshaw.
Carrollton, Lock 1	Carroll	422	27	.....	.....	.....	.....	.....	.....	8.03 +4.97	2.25	T.	14	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	12	.....	.....	.....	.....	.....	.....	6.71	2.42	T.	13	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	0	.....	.....	.....	.....	.....	.....	4.58	1.20	0	12	17	1	13	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	2	[a]59.3	89[a]	1	31[c]	26	31[b]	5.50 −2.78	1.60	0	6	15	7	9	s.	Geo. Henry Killis.
Eubank	Pulaski	1177	32	63.7 + 6.8	89	1	30	26	36	5.61 +3.14	1.38	T.	13	13	1	17	w.	Mrs. Katie Payne.
Frankfort	Franklin	560	34	60.2 + 3.1	86	1	31	27	33	.....	.....	.....	.....	.....	.....	.....	.....	Sidney Wood, Jos. B. Blewett.
Franklin	Simpson	691	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Albert Purvis.
Gest, Lock 3	Henry	449	15	.....	.....	.....	.....	.....	.....	5.37 +2.18	1.18	0	13	.....	.....	.....	.....	Dr. Fidelia Edwards.
Glasgow	Barren	780	5	61.6	93	2	30	24	43	8.44	2.00	T.	9	16	7	8	s.	Bert Ross.
Grand Dam 38	Boone	506	1	.....	.....	.....	.....	.....	.....	4.60	1.00	0	12	.....	.....	.....	.....	.....
Greensburg	Green	581	33	59.0 + 1.9	90	1	28	26	37	8.84 +6.08	1.42	T.	19	6	2	23	ne.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	24	.....	.....	.....	.....	.....	.....	7.19 +4.21	1.64	0	13	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	28	58.9 + 3.3	87	1	31	27	30	6.45 +3.70	1.76	T.	12	13	7	11	sw.	W. J. Piggott.
Junction City	Boyle	985	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	William E. Grubbs.
Lancaster	Garrard	1032	0	.....	.....	.....	.....	.....	.....	4.50	1.16	0	14	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	635	30	59.8 + 1.7	90	1	30	27	32	8.65 +5.92	2.25	T.	11	8	15	8	sw.	H. H. Willis.
Lexington	Fayette	989	42	57.2 − 0.2	85	1	32	25	22	7.46 +5.24	1.91	T.	16	11	12	8	sw.	U. S. Weather Bureau.
Little Hickman, Lock 8[§]	Jessamine	523	15	.....	.....	.....	.....	.....	.....	7.03 +4.18	1.38	0	14	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	16	.....	.....	.....	.....	.....	.....	5.31 +2.21	1.51	0	12	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	53	58.5 − 0.8	87	1	33	27	26	6.15 +3.52	1.70	T.	11	6	16	9	s.	U. S. Weather Bureau.
Do (Cherokee Park)	Do.	534	16	58.8 + 0.9	84	1†	31	27	31	7.61 +4.46	2.24	T.	11	7	14	10	s.	Wm. I. Hunt.
Munfordville	Hart	600	1	.....	.....	.....	.....	.....	.....	5.27	0.97	0	8	.....	.....	.....	.....	C. R. Richardson.
St. John	Hardin	777	30	58.7 + 1.0	89	1	27	26	38	9.48 +6.65	1.92	T.	14	19	4	8	.....	Sisters of Loretto.
Salvisa, Lock 6[§]	Mercer	490	12	.....	.....	.....	.....	.....	.....	9.60 +7.10	2.10	0	12	.....	.....	.....	.....	Ernest M. Searcy.
Scott[§]	Kenton	900	28	56.1 − 1.3	85	1†	32	27	29	6.79 +3.96	2.74	T.	11	4	11	16	w.	E. B. Wilson.
Shelbyville	Shelby	825	37	57.4 + 0.7	88	1	25	27	34	5.91 +2.49	1.52	T.	13	11	9	11	n.	Miss Ruth Ratta.
Taylorsville	Spencer	489	24	58.2 + 1.9	86	3	27	27	33	6.37 +3.40	1.34	T.	13	14	5	12	s.	E. D. Bourne.
Tyrone, Lock 5[§]	Anderson	526	8	.....	.....	.....	.....	.....	.....	6.52	1.25	T.	12	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	948	23	57.0 + 1.9	85	3†	30	26	30	5.34 +2.43	1.24	T.	13	8	12	11	w.	Mrs. E. S. Humlong.
Woodbury, Lock 4	Butler	538	9	.....	.....	.....	.....	.....	.....	7.37 +3.65	2.20	0	10	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	9	60.0 + 2.3	88	2†	32	26	37	6.07 +3.38	1.40	T.	14	13	2	16	sw.	Curtis Purvis.
Beattyville	Lee	650	22	59.6 + 1.8	90	4	30	26	36	5.14 +1.79	2.28	T.	11	6	14	11	ne.	Robert S. Smallwood.
Berea	Madison	1070	24	58.9 + 0.3	88	1	30	26	31	5.57 +2.49	1.78	T.	13	10	12	9	sw.	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	16	.....	.....	.....	.....	.....	.....	7.77 +4.43	1.40	T.	15	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	8	.....	.....	.....	.....	.....	.....	5.92 +2.62	1.10	0	14	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	37	.....	.....	.....	.....	.....	.....	5.83 +3.39	1.09	0	13	10	5	16	se.	J. V. Oldham.
Farmers	Rowan	668	18	[a]58.6 + 1.9	89[a]	3	26[a]	26	43[b]	8.81 +5.37	2.25	0	10	14[a]	3[a]	13[a]	e.	Mrs. Edna Tinsley.
Flemingsburg	Fleming	841	1	.....	.....	.....	.....	.....	.....	6.65	1.25	0	10	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10[§]	Clark	593	10	.....	.....	.....	.....	.....	.....	5.80 +3.87	1.34	0	12	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	1	.....	.....	.....	.....	.....	.....	8.21	3.77	0	11	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	6	.....	.....	.....	.....	.....	.....	5.13	1.55	0	16	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Agnes Farley
Hazard	Perry	869	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	664	9	.....	.....	.....	.....	.....	.....	5.73 +1.94	2.45	0	10	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	1	[a]58.8	87[a]	1†	26[a]	26	34[a]	5.02	1.96	T.	10	18	4	9	.....	Miss Lake Napier.
Hodgson	Letcher	1566	1	.....	.....	.....	.....	.....	.....	3.19	1.08	0	11	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	584	22	.....	.....	.....	.....	.....	.....	6.45 +3.29	1.80	0	11	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	29	58.8 + 1.7	88	1†	31	26	35	3.99 +1.47	0.77	0	13	7	14	10	s.	Perry E. Bennett.
Middlesboro	Bell	1128	30	58.8 + 1.4	86	4	25	26	42	2.51 −0.10	0.92	0	7	23	6	2	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	36	56.6 + 1.0	88	3	27	26	36	7.90 +4.93	2.21	T.	13	15	5	11	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	4	.....	.....	.....	.....	.....	.....	6.94	1.67	0	13	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	20	.....	.....	.....	.....	.....	.....	2.12 −0.74	0.52	0	9	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	1	.....	.....	.....	.....	.....	.....	4.08	1.16	0	8	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breathitt	732	1	60.3	89	1	30	26	45	5.91	1.95	T.	9	.....	.....	.....	.....	R. W. Jones.
Riverona, Lock 12	Estill	651	8	.....	.....	.....	.....	.....	.....	5.80	1.60	0	9	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	35	60.2 + 1.8	88	1	31	26	28	6.67 +3.86	1.75	T.	12	12	3	16	.....	J. W. Crooke.
Sargent	Letcher	1235	3	60.0	89	2	29	26	38	3.77	0.80	T.	13	19	6	6	nw.	Mary Rockwell.
Valley View, Lock 9	Madison	541	13	.....	.....	.....	.....	.....	.....	6.88 +3.45	1.70	T.	13	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	11	.....	.....	.....	.....	.....	.....	3.90 +1.21	1.45	0	8	.....	.....	.....	.....	H. M. Fannin.
Woodland	Floyd	700	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitesburg	Letcher	1142	1	.....	.....	.....	.....	.....	.....	4.01	0.98	0	8	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	929	29	61.1 + 1.6	91	3	30	26	37	3.39 +0.53	0.90	0	7	23	3	5	.....	Lawrence R. Chi.
Willow, Lock 13	Lee	611	7	.....	.....	.....	.....	.....	.....	4.72	1.59	0	7	.....	.....	.....	.....	Shelby Angel.
State averages and extremes				59.3 + 1.2	94	1	25	26[d]	43[e]	5.96 +3.36	3.77	0	11	12	8	11	sw.	

All temperature data are taken from self-registering thermometers.
Precipitation data are computed only for such stations as have ten or more years of record, but all complete reports are
The departures from normal temperature and precipitation are computed on the records for the current month and the
used in determining section or division means. [a]Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference-letters, [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days, etc. [c] Precipitation is less than 0.01 inch rain or melted snow. [d] One Oak.
[a] Also on other dates. [e] Received too late to be included in means and summaries. [f] Lock 10, Red House, Ky.; Snell, Covington, Ky.
[g] Post-office address: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Snell, Covington, Ky.

MISCELLANEOUS.

Oct. 4.—Some damage was caused by a local windstorm at Cloverport.

Floods.—Sharp rises in the Ohio River during the 2d and 4th weeks caused moderately high stages. The Mississippi alon the western border reached exceptionally high fall stages, lack ing but few feet of flood stage and causing considerable damag to lowland crops.

Daily Precipitation for October, 1926.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
eaver Dam G		.45			1.90					1.10	.05												2.20		15						
ardstown M				1.45						.41									.05				.18	1.14	T						
arlington G		.51			2.04					.69			.15							1.25		T		1.90	.02	T						
eenville G		.71	.08		.90	.05				1.35	.04	T	.06							.20			.04	2.60	.07			T			
opkinsville C		.02			1.04					.54	1.86		.03							.29		T		1.25	.44	.03			1.41			
arion O					.42					1.60														1.50					1.18			
urray T				1.70						1.15														1.75								
ewsboro O	1.26	T			.70	.21	.04			.48										1.70			1.62	.47					.80			
aducah (near) ¶ O					.15	.35				.83													.02	1.60		.18		.05	.40			
aducah O					1.00					.64	.10								T					.30					.25	.55		
ineyon G		.04		1.29	.03					1.45		.02	T	T						.02		T	T	1.43	T			T	.10	.40	T	
ussellville G					2.10					.21	.48		.16							.97			.04	1.27	.50	.04	.05		.05	.02	.40	
Central Division										.60	1.58												.01	1.20		.04						
nchorage O					1.46	.04																										
ardstown S					.65	1.83				.19																						
owling Green G		1.66			.15	.90				.81		.12	1.03						T	.75				1.02	.08				.43	.54	.05	
owling Green, No. 2 G			.09		2.00					.20	1.26		.45							.22			.05	1.15		.13			.06	.02		
owensville, Lock No. 6 G										.52	.91		.64	.47						.09			.03	.20	1.62	.14	.02					
arnside C		.10			1.60					.19	1.19		.06							.24			.11	.84	.96	.03						
arrollton ¶ (Lock No. 1) K	.16		T	.05	.04					T	.85	T	.28	.04	T					.60				1.69	.53	.03	.04					
overport K	.13		.27		1.92	.23														.60				.60	.70	T	T					
ld Spring, Dam 86 O	.88		.70		2.25	.02				.19	.20		.06							.76			T	1.03	.74			.20		.20	.42	
k Dam, Burgin ¶ K			.05		.55	.35				T	.03					.05		T	.37	T		T	.78	1.08	T			.56	.19	.41	
bank C	1.60									.01	.42		1.20						.85			.04	.47	.53	.03			.08		.42	.44
ankfort K	.03	.20	.14		2.42	.25				.35			.15						1.00				.30	1.25							
anklin K	.22	.39	.12		.86	.04					.27		.36										.70	.58	T	T		.03	.08	.38	
st. Lock No. 3 ¶ K	.32	.06	.22		1.18	.11				T									.72				.65	.63				.30	.14	.57	
asgow G			2.00		1.00						.20		.25											2.00		.10			.20	.20	
ant, Dam 38 O	.19	.12	.21		1.00	.13				.80	1.00		.14							.22			.06	1.38	.20	.13			.02	.22	
eensburg G	.43	.02		.01	1.42						T					.05			.43			T	.34	1.00	T	T		.44	.46	.20	
gh Bridge, Lock No. 7 K	.58				.75	.33				.95	.29	.36	.65	.35	.05		T	.01	.92			.06	1.38	.20	.13			.02	.22	
ington O		.08		.32	1.76					T	.49		1.64	.05					.85			.05	.38	1.25		.07			.04	.71	
ction City K										.61	T	T	.06						1.07			T	1.63	.11	.11			.47	.42	.18	
acaster K	.48	.05		.53	.26															.80	T			1.52	.64				.02		.42	
field G	T	.10	T	2.25						.45			.42	.09		.10				.60			.06	.47	1.16	0.2	.03			.38	
ington *** K	.54	.08	T	.20	.85					1.35	.10		T						1.80			T	1.70	.15	.10			.10	.50	.50	
tle Hickman, Lock No. 8 ¶ K	.34	.56			.78	.52			T.	.50		.19				.19			.92	.37	.43		.62	1.71	.01	T		.14	.78	.35	
kport, Lock No. 2 K	.48	.36		1.51	.02				T	.11		.07							.74		.08	.57	1.58	T	.06			.16	.83		
nsville*** O		.81		1.03	.62					.10								T	.46	.67	.78		.08	1.63	T	.02	T	.52	.45		
o. (Cherokee Park) O	.53	1.29		.05	2.24						.17		.02						.38			T		1.52	.64			.02		.42	
nfordville G	.10				.95					.90			.85						.80	T				.86	.10					.95	
John S	1.62	.50		T	1.92					.88	.08	.02	.10						1.10				1.80	T.	.28		.18	.13	.50	.42	
tt L	.02	.22	.18	T.	2.71	T.				T		.64	2.10						.74				1.00	.64	T.	T			1.15		
bbsville S	.32	.32			1.52	.05				.26	.71		.47			.14		T.	.36	T.			1.55	.35				.55	.30	.20	
one, Lock No. 5 K		.85	.14	T	1.01					.55	.03	T.	.29	T.					.32				1.25	.26				.24	.72	.17	
lamstown L	.18	.10		1.25	.46					.52		.56						T	.70			.03	1.34	.39	T.			.10	.43	.51	
dbury, Lock No. 4 G	.12	.05	.06		1.11					.06	.12								.65		.05	.67	.80	T				26 1	.02		
Eastern Division	.08				2.20					.28	1.48									.71			1.24	.36		.01		.57	.33	.41	
dand O	.27	.04	.18			.82														.24		T.	1.36	.44	.03	.04				1.22	
ttyville ¶ K	.27	.03		T		.21				.06		.68	.40			.12			.64			.06	.40	1.40							
ea K	.07	.03			.76					.18	T.	T	.13			.04			2.28	T.		.02	.36	.87	T.			10	.90		
eee Hill, Lock No. 11 K	.75	.03	.20		.25	.90				.20	.04		.35			.14			1.78			.03	1.05	.20			T.	.05	.80		
hany L	.20	.02	1.06	.50	.30	.03				T.	.20	T.	1.40	.25		.12			1.20			.10	.25	1.26	T			.12	.80		
mouth L	.05	.07	1.09	.02	.79	.10				T	.28		.12			T			.56				1.01	1.10			.08	.09	1.04		
mers L			.42		.40	2.25					.19					T			.56				.67	.90			.05	.06	.06		
ngsburg L	1.20	1.25		.45						T.		1.68				.32			.76			T	.75	.90			.05	.75	.85		
d, Lock No. 10 K	.35	T.		.20	.46					.10		.50							.90				.50	1.20				.25	.75		
yson O	.11		1.07			.78					.18	1.24	.02			T.			.84			.05	.38	1.31	T.	T.	T	.10	.04		
enup, Dam 30 ¶ O	.04		.10		.04	.57				.07		3.77						.50				.09	.46	.65				.11	.60		
lan K										.13		.25	.38			.10			.60	.01		.01	.28	1.55				.26	.20	.71	
ard ¶ K																																
lberg, Lock No. 14 K	.32					.18					.28			.13		.15			2.45			.04	.43	.47					1.20		
lman K	.30	.22			.31					.14			.14			.12			1.96				.60	.92	T.	T.			.05		
ins K						.27					.21			.07	.05	.05			1.08	.07	.11			.57					1.20		
isa O	.08	.13				.55					.09		1.80	.45		.15			.80				1.05	.12					.15		
sville O	.04	.10		T	.74	.50					.09		.04			.14			.53				.42	.86					.22		
dleshoro C	.34				.04						.33								.25				.03	.01	T			.55	.15		
nt Sterling L		.14	T.		.85					.07	.39		2.21			.08	.31		1.25				.92	.18					.25		
nita Dam 35 O	.03	.44	.10		1.07	.63					.05												1.56	.24	T			.28	.51	.81	
donsburg B	.08					.08					.28			.12			.40		.40				.68	1.15				.53	.28	.63	
eksand B	.05					.27								.53					.52	.12			.22	.30	T.					.24	
mas, Lock No. 12 K	.30					.65					.19			.38					1.16	.05			.41	.77						.84	
mond K	.22				.35	.80					.20		.12	T.		T			1.95			T.	.60	.85	.04					.85	
ent K	.55			1.05						.20	.10		.50		.05				1.60			T	1.61	.10	T					1.17	
ey View, Lock No. 9 K	.24	.02	.15		.23					.08	.25		.10			.05			1.75			.10	1.42	T						.15	
eenburg, Dam No. 32 O		.85			.45					.17	.14		1.49		.15				1.40			.08	1.70	.04	.01					.20	
land ¶ B						.55							.32										.24	1.45	.01			.30	T		
tesburg K	.20																	.53													
mstown C	.05				T					.70		.21	.06						.80												
ow, Lock No. 13 ¶ K	.32					.56				.80										T.	.40	.05	.10	.05						.72	
										.33													.46	.70						.80	
																			1.59				.48	.72						.95	

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

; Separate dates of falls not recorded. T Trace, or less than 0.005 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking (K) Kentucky (S) Salt (G) Green (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi

¶ Long Oak

Errata. 8th, Beattyville, clear instead of clear and cloudy. Marion, prevailing direction, east instead of southwest. Shelbyville, days clear, part cloudy and cloudy. 11, instead of 13.7 10. Lexington, mean maximum temperature on 25th, 87 instead

Daily Temperatures for October, 1926.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	93	92	90	89	78	70	71	80	83	80	75	77	74	73	74	79	70	83	73	59	58	70	58	57	49	63	66	46	70	64	59	71.7
	Minimum	63	68	70	64	48	40	47	51	50	59	62	62	60	45	46	41	42	40	47	46	30	34	42	35	37	32	49	66	48	43	43	49.0
	Maximum	86	87	86	83	71	61	71	75	76	68	68	73	67	69	69	76	65	79	72	59	58	68	57	56	48	54	68	70	68	59	...	*68.7
Blandville	Minimum	68	71	72	69	60	48	46	52	66	59	61	60	58	52	49	52	64	72	66	63	58	67	69	56	47	52	64	72	69	59	56	60.3
	Maximum	87	88	87	87	82	67	70	77	79	75	71	73	73	70	71	75	71	75	76	63	58	67	69	56	47	52	64	72	69	59	56	70.6
Calhoun	Minimum	64	66	69	72	63	49	43	48	52	66	61	62	60	49	48	49	48	51	48	47	35	41	48	41	36	38	34	50	58	47	42	50.9
	Maximum	84	86	89	87	78	68	73	80	80	69	71	77	72	70	73	77	78	81	72	61	60	71	60	56	48	54	67	74	75	62	59	71.7
Earlington	Minimum	66	70	72	70	65	49	42	59	66	59	61	58	59	50	45	48	49	55	49	47	34	42	50	26	34	60	49	57	67	73	72	69	60	74.5
	Maximum	91	89	91	89	86	88	73	82	81	80	74	79	74	73	76	77	78	81	78	69	61	70	64	60	49	57	67	73	72	69	60	74.5
Greensville	Minimum	62	65	68	71	64	47	39	45	56	57	59	61	60	48	43	46	41	49	49	45	33	37	47	40	33	37	34	48	60	49	41	49.3
	Maximum	92	91	92	89	79	69	75	82	83	73	69	79	75	74	75	78	78	82	79	73	63	63	72	61	49	53	69	75	69	68	59	73.6
Hopkinsville	Minimum	62	66	68	68	64	46	41	48	53	58	60	62	61	52	48	46	41	49	50	49	34	46	36	41	33	39	35	47	67	46	42	50.4
	Maximum	86	88	88	86	83	83	84	80	82	82	68	75	71	70	67	73	75	78	80	75	68	68	68	58	43	52	62	72	67	61	49	72.1
Marion	Minimum	64	67	72	72	70	46	52	56	55	58	60	60	57	49	45	50	48	55	46	46	36	46	48	42	32	39	39	52	55	47	40	51.3
	Maximum	88	88	88	86	83	83	84	80	82	82	68	75	71	70	67	73	75	78	80	75	68	68	68	58	43	52	62	72	67	61	49	72.1
Mayfield	Minimum	68	71	72	72	70	46	52	56	55	58	60	60	57	49	45	50	48	55	46	46	36	46	48	42	32	39	39	52	55	47	40	51.3
	Maximum	90	90	92	93	76	72	75	79	80	70	68	79	77	73	74	78	71	83	84	79	62	73	72	58	50	58	68	72	71	64	61	74.8
Murray	Minimum	62	66	68	69	64	45	40	45	49	57	60	66	59	51	44	46	41	48	52	58	31	34	50	45	31	41	32	48	60	59	42	50.5
	Maximum	87	88	86	85	78	65	67	74	78	70	72	74	67	66	70	73	66	76	68	57	57	66	56	53	46	53	62	72	70	55	54	67.9
Owensboro	Minimum	62	64	68	65	63	46	40	47	52	54	58	57	59	49	52	48	49	52	49	44	35	41	49	41	30	41	37	55	57	47	40	49.4
	Maximum	92	92	91	88	75	70	77	82	81	71	71	79	70	73	78	80	72	82	77	62	65	71	62	57	56	57	70	74	70	62	62	73.2
Paducah (near)	Minimum	67	71	73	66	60	48	43	53	58	59	61	58	60	50	47	50	42	55	50	48	35	41	49	41	30	41	37	55	57	47	40	51.6
	Maximum	87	87	84	82	70	66	70	75	78	71	69	75	71	69	69	75	69	75	74	66	58	68	64	58	50	58	68	72	71	67	58	69.5
Princeton	Minimum	64	67	68	69	60	48	43	49	54	58	59	58	59	49	48	48	42	51	48	48	34	39	48	42	33	40	35	...	58	45	41	*50.2
	Maximum	91	88	89	88	75	67	72	79	81	63	68	73	66	71	72	76	67	80	78	56	62	70	58	47	48	51	67	72	69	60	58	69.9
Russellville§§	Minimum	65	68	70	69	65	49	42	48	54	58	58	62	63	52	48	48	42	48	51	50	35	39	45	46	34	36	38	40	54	58	44	50.9
Central Division.																																	
Anchorage	Maximum	89	...	87	86	76	62	67	75	81	64	71	78	67	73	72	72	66	78	68	58	57	68	57	56	41	47	58	73	66	61	54	*67.6
	Minimum	63	...	65	65	58	46	37	42	49	58	56	49	55	50	42	45	46	50	37	46	31	37	40	40	30	26	46	56	44	36	46	*45.6
Bardstown	Maximum	90	88	88	88	77	65	68	78	80	75	76	81	71	74	72	75	67	79	71	59	60	68	58	56	41	47	62	73	68	66	56	70.2
	Minimum	64	66	66	68	58	50	40	44	56	59	59	59	63	49	47	45	44	47	48	42	49	34	35	48	39	29	30	27	44	58	45	48.3
Bowling Green	Maximum	93	89	90	90	81	70	74	80	83	72	70	72	71	75	77	79	69	82	76	65	62	71	65	52	49	54	67	73	67	65	54	71.9
	Minimum	65	69	70	67	68	64	47	40	45	50	57	59	60	61	51	47	45	44	47	50	50	35	35	47	40	33	37	35	45	57	43	*45.6
Cave City	Maximum	92	66	67	68	64	47	40	45	50	57	59	60	61	51	47	45	44	47	50	50	35	35	47	40	33	37	35	47	67	63	...	*70.0
	Minimum	89	85	...	88	81	69	66	...	...	...	...	80	77	72	69	71	77	...	78	73	64	58	67	61	...	33	31	32	42	57	56	...	*48.6
Diz Dam	Maximum	63	67	...	65	64	49	40	...	...	...	...	41	58	63	52	47	46	...	46	42	49	38	38	47	...	33	31	32	42	57	56	...	*48.1
	Minimum	89	81	84	86	79	80	79	84	85	88	83	79	75	73	75	75	86	84	76	76	71	66	67	68	61	66	57	60	65	65	67	75.1
Eubank	Minimum	69	67	58	61	60	62	60	54	63	68	60	63	61	55	55	54	56	53	45	40	39	36	37	37	31	36	34	55	55	55	57	52.3
	Maximum	86	85	85	85	81	72	63	71	77	76	72	77	74	69	67	74	70	76	75	64	65	66	64	58	46	48	55	71	69	65	60	69.5
Frankfort	Minimum	64	66	66	68	66	51	41	43	51	59	60	58	64	51	48	46	46	48	42	50	49	37	49	45	36	32	31	42	59	57	42	50.5
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Franklin	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maximum	91	93	89	90	88	68	71	78	80	71	71	74	74	68	71	79	80	79	74	70	65	69	68	59	54	49	62	71	66	64	59	72.7
Glasgow	Minimum	81	76	69	72	62	48	42	49	46	54	58	61	50	50	52	55	60	46	51	41	34	39	32	30	31	34	32	49	59	56	42	50.4
	Maximum	90	86	86	86	80	68	69	77	82	67	70	76	74	73	69	76	66	79	73	68	58	67	58	58	44	44	61	73	67	64	64	70.1
Greensburg	Minimum	64	64	64	63	62	48	40	41	46	57	57	58	61	50	47	45	44	42	47	49	33	32	47	41	33	28	29	41	58	52	41	47.9
	Maximum	87	79	86	85	75	69	64	74	78	69	71	75	68	69	66	72	66	76	68	58	56	66	57	56	43	49	59	72	67	62	54	67.6
Irvington	Minimum	64	69	70	70	64	50	40	48	54	60	60	60	59	48	49	49	47	53	46	48	37	42	46	40	34	36	31	42	58	42	41	50.2
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Junction City	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maximum	90	87	89	86	79	65	70	79	81	70	70	77	71	73	72	76	66	80	69	63	59	68	59	54	43	51	62	71	67	62	55	69.8
Leitchfield	Minimum	63	68	69	70	63	47	41	46	52	58	60	62	60	47	49	50	45	50	47	37	35	39	48	42	34	33	30	48	58	50	43	49.7
	Maximum	85	82	84	84	72	58	62	72	76	66	70	76	68	65	67	70	59	73	69	54	54	63	62	55	37	40	54	70	62	61	47	65.6
Lexington	Minimum	62	68	68	69	64	49	44	50	58	57	58	61	53	53	48	52	44	48	44	43	38	42	47	37	32	32	32	45	57	43	39	49.2
	Maximum	87	83	86	85	73	61	65	74	78	66	70	76	68	70	68	71	65	76	66	56	56	65	58	54	40	47	57	71	65	62	52	66.7
Louisville	Minimum	64	69	69	68	57	51	43	51	57	60	60	57	55	52	48	52	48	56	44	46	40	46	44	38	35	36	33	47	55	45	40	50.3
	Maximum	84	83	84	84	82	69	62	70	76	74	69	72	71	69	68	70	68	75	74	63	58	64	62	56	43	45	56	71	69	61	51	67.7
Ow (Cherokee Park)	Minimum	64	68	68	68	54	48	42	46	52	61	59	55	61	51	46	47	45	50	43	48	38	42	44	45	35	38	31	45	57	46	39	49.5
	Maximum	83	87	87	87	84	82	69	62	70	76	74	69	72	71	69	68	70	68	75	74	69	68	70	68	75	74	69	63	58	53	71	67	61	46	65.5
St. John	Minimum	63	67	67	70	64	51	42	46	52	61	59	55	61	51	46	47	45	50	43	48	38	42	44	45	35	38	31	45	57	46	39	49.5
	Maximum	89	86	86	86	78	60	69	78	80	70	78	78	71	74	71	75	65	81	72	63	61	69	57	43	48	60	68	70	71	68	55	70.4
Scott	Minimum	62	64	68	68	54	46	39	40	49	58	54	60	55	48	49	48	46	50	44	46	33	38	38	29	29	27	33	45	53	53	46	46.6
	Maximum	85	85	85	85	75	61	61	66	77	70	71	74	68	71	66	68	61	71	68	57	56	59	56	54	41	37	42	58	53	52	43	65.5
Shelbyville	Minimum	63	65	66	66	62	48	36	41	47	55	58	55	60	47	44	43	46	46	38	47	31	37	43	42	34	27	26	43	58	41	39	46.7
	Maximum	88	85	87	87	74	64	63	75	80	65	71	77	73	71	73	77	68	77	73	63	53	66	59	57	42	43	58	68	63	58	49	68.2
Taylorsville	Minimum	63	65	66	66	62	48	36	41	47	55	58	55	60	47	44	43	46	46	38	47	31	37	43	42	34	27	26	43	58	41	39	46.7
	Maximum	85	84	86	85	80	66	63	71	76	69	70	75	70	70	66	73	68	77	73	64	54	65	61	56	44	45	56	72	67	62	52	67.9
Williamstown	Minimum	65	66	65	66	64	49	39	44	47	57	58	56	61	55	46	44	46	46	40	49	35	36	47	44	35	29	32	42	58	50	50	66.0
	Maximum	84	82	85	85	77	66	61	66	77	71	68	73	71	68	68	70	65	70	68	61	54	61	61	54	42	42	58	70	68	60	50	48.3
	Minimum	63	66	65	69	63	49	39	43	52	60	58	57	58	46	43	48	42	48	48	46	33	40	41	43	33	30	31	40	54	49	41	49.0
Eastern Division.																																	
Ashland	Maximum	84	88	88	84	85	69	63	68	75	71	68	80	75	71	68	80	75	74	75	72	72	72	63	58	66	65	59	54	49	54	73	69	67	60	70.4
	Minimum	64	64	65	66	67	51	39	42	49	65	66	56	61	56	46	46	45	46	41	42	41	38	47	52	37	32	30	36	56	54	41	49.9
Beattyville	Maximum	89	86	88	90	74	64	66	72	81	65	73	80	74	76	73	76	68	83	83	45	49	59	75	64	46	35	30	36	34	50	50	67.1
	Minimum	68	63	64	65	61	51	41	41	49	56	59	61	62	56	51	46	48	45	49	39	25	34	46	35	30	36	34	50	50	43	40	47.3
Berea	Maximum	88	85	85	85	77	67	64	70	76	68	70	71	70	68	75	63	76	70	65	54	66	58	57	44	42	45	72	65	63	60	67	67.2
	Minimum	62	70	69	70	63	51	38	41	52	58	58	60	62	56	50	46	45	46	45	45	38	47	47	43	32	30	34	41	57	56	40	49.4
Farmers	Maximum	87	85	89	87	76	68	65	70	80	75	73	79	74	75	70	76	68	75	74	66	63	67	67	62	...	64	57	58	55	69	65	60	70.0
	Minimum	65	62	63	60	61	42	40	36	45	53	56	56	45	40	43	39	36	47	34	31	45	46	46	33	33	35	38	55	54	53	46	46.6
Hindman	Maximum	87	86	86	87	76	65	65	70	79	64	65	78	76	71	71	75	63	74	76	63	56	67	...	42	35	29	37	31	45	49	42	*48.1
	Minimum	66	62	64	63	60	50	45	40	46	53	57	58	61	54	50	48	48	40	47	46	39	35	...	42	35	29	37	31	45	49	42	*48.1
Maysville	Maximum	88	85	88	88	78	70	68	73	79	78	71	70	77	71	71	68	73	68	72	71	64	66	66	65	58	46	44	54	73	70	65	69.3
	Minimum	65	70	65	64	65	48	38	41	49	58	59	59	56	61	56	45	42	41	45	41	47	36	37	44	48	36	31	35	58	55	48	50.5
Middlesboro	Maximum	86	83	85	86	76	68	69	72	78	72	68	75	74	74	72	74	71	75	78	71	69	65	62	60	49	44	55	65	67	65	62	70.8
	Minimum	62	61	60	59	63	47	43	38	45	50	51	59	60	54	50	47	50	54	39	34	30	38	46	32	25	34	30	51	48	42	37	46.1
Mount Sterling	Maximum	86	87	88	87	73	63	64	67	79	64	73	76	68	72	67	76	59	74	66	58	55	66	56	55	44	42	54	71	64	54	46	66.4
	Minimum	64	65	66	65	60	48	36	38	46	54	55	55	59	55	43	43	44	44	42	46	35	34	46	44	33	27	35	35	56	45	35	46.1
Quicksand	Maximum	87	85	86	85	80	63	63	70	78	74	72	77	73	74	72	75	68	77	75	67	60	69	70	62	49	50	58	68	68	59	71	71.2
	Minimum	67	63	65	65	63	50	45	43	50	56	58	60	62	56	51	49	49	41	46	50	38	37	43	47	35	30	38	33	48	50	43	49.4
Richmond	Maximum	88	84	86	85	81	63	65	72	79	76	69	76	73	72	70	73	65	76	70	64	56	65	61	58	52	40	57	71	66	56	42	51.1
	Minimum	65	69	68	70	65	59	43	44	54	60	58	60	64	57	56	49	48	49	44	49	39	41	48	49	33	31	33	43	56	56	42	51.1
Sergents	Maximum	87	85	86	88	89	71	64	70	78	72	72	77	74	74	72	75	68	78	70	67	58	68	68	68	45	49	57	68	68	67	65	72.4
	Minimum	67	62	62	62	61	50	47	52	59	59	56	57	62	55	52	51	48	51	48	52	42	43	45	48	45	43	45	45	54	51	49	49.4
Williamsburg	Maximum	87	88	91	90	80	70	70	76	82	66	68	76	75	79	74	81	68	82	79	71	62	72	65	63	48	48	65	73	70	67	63	73.3
	Minimum	63	67	65	63	65	50	43	42	48	55	58	62	62	56	53	50	51	45	51	50	35	35	43	45	34	30	36	38	50	46	43	49.0

§§ Instrument is read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* † ‡ indicate respectively 1, 2, 3 etc., days missing from record.

‡ P. † Lawrenceburg 30-day to 1960

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., NOVEMBER, 1926. No. 11

THE LIBRARY OF THE
JAN 5 1927
UNIVERSITY OF ILLINOIS

GENERAL SUMMARY.

The temperature was quite changeable, but averaged considerably below normal. Brief intervals of moderate weather alternated with extended periods of marked but somewhat irregular temperature deficiency. The cold, cloudy, windy weather that predominated rendered the month disagreeable and generally unfavorable for outdoor work. As a result there was much delay in farm activities. This was especially serious with respect to corn, because the bad condition of the shocks and the large amount of fallen corn made speedy gathering very desirable. There was some improvement in shocked corn during the first week, but little change thereafter. Gathering revealed that a larger percentage of the crop than usual had been damaged by excess moisture. In the week ending on the 23d the weather was particularly inclement, with hard freezes nearly every night and considerable snow in the central and southern counties. Following the snow temperatures on the 22d fell nearly to zero at several central stations. During the lowest temperature there was some snow cover in most of the State. Apparently the freezes caused no injury to grains. Although the aggregate precipitation was near normal, its frequency, together with the low temperature, freezing, and thawing, kept the surface soil very wet and hindered the removal of husked corn from the fields. Drainage improved slowly toward the end of the month. Wheat sowing continued for a few days after the 1st, finally ceasing without being completed because of wet soil and the late date. Except for a brief dormant period during the cold week, wheat and rye continued to grow slowly. Early wheat which was generally in excellent condition, made up less than the usual part of the acreage, owing to the difficulty experienced in sowing at the proper time. Late wheat came up well, but a large part of it showed only one leaf at the end of the month. Though low temperature prevented much growth of grass, pastures remained in excellent condition from the preceding month and continued to furnish good grazing. For this reason stock required only light feeding. Gravel roads deteriorated and dirt roads became very bad.

TEMPERATURE.

The average temperature for the State, 44 stations reporting, was 42.9°, which is 3.4° below normal and among the low records for this month. Except for a few warm days, the first three weeks were unseasonably cold, with mean temperatures frequently 10° to 15° below normal and minima below freezing. The last week was generally mild and favorable. Temperature extremes were 80° on the 14th at Dix Dam and zero on the 22d at Glasgow

PRECIPITATION.

Precipitation for the State, based on reports from 81 stations, averaged 3.40 inches, which is 0.13 inch below normal. It occurred generally in the periods 9-10th, 15-18th, 21st, 25-27th, and 29-30th. Heavy local rains were reported on the 9th, 15th, 16th, and 26th. Snow, ranging in depth from 1.5 to 4.0 inches, occurred in the central counties on the 21st. It was generally lighter, varying from a trace to 1.0 inch in the extreme northeastern counties and along the southern border. Total precipitation ranged between 1.5 and 3.0 inches in the northeastern districts, and from 3.5 to 5.0 inches in central and southern sections. The extremes were 5.57 inches at Junction City and 1.23 inches at Lockport, Henry County. Thunderstorms occurred at several stations in two periods, one immediately following the middle of the month and one near the close.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.10	30.50	11	29.44	26	7478	10.4	46	sw.	25
Cincinnati ..... Ohio	30.10	30.53	11	29.39	26	6861	9.5	36	s.	26
Evansville ..... Ind.	30.11	30.54	11	29.46	26	7789	10.8	46	sw.	25
Lexington ..... Ky.	30.10	30.51	11	29.52	26	11314	15.7	52	sw	26
Louisville ..... Ky.	30.11	30.54	11	29.45	26	9026	12.5	42	s.	26

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	80	60	62	195.6	305.6	64	12	5
Cincinnati ..... Ohio.	77	60	65	120.8	301.5	40	7	12
Evansville ..... Ind.	77	59	66	117.0	303.7	39	4	11
Lexington ..... Ky.	82	69	..	125.0	303.7	41	7	13
Louisville ..... Ky.	76	62	65	140.4	303.7	46	10	11

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 25-year normal.	No. of days with .01 in or more rain.
1889	43.1	−3.2	85	10	6.04	+2.51	..
1890	48.6	−2.3	81	19	4.87	+1.34	..
1891	43.5	−2.8	75	10	6.04	+2.51	..
1892	42.8	−3.5	78	9	3.85	+0.32	..
1893	44.3	−2.0	79	2	3.12	−0.41	..
1894	43.3	−3.0	80	8	1.32	−2.21	4
1895	45.8	−0.5	85	16	4.29	+0.76	7
1896	49.3	+3.0	80	11	5.01	+1.48	7
1897	47.8	+1.5	78	12	4.69	+1.16	10
1898	43.2	−3.1	80	10	2.79	−0.74	7
1899	49.8	+3.5	79	20	2.12	−1.41	5
1900	47.0	+0.7	82	16	7.78	+4.25	9
1901	41.8	−4.5	82	11	1.52	−2.01	4
1902	53.4	+7.1	90	20	4.42	+0.89	11
1903	42.5	−3.8	81	5	3.01	−0.52	6
1904	44.7	−1.6	79	14	0.89	−2.64	3
1905	46.4	+0.1	79	14	3.55	+0.02	7
1906	46.1	−0.2	83	11	5.02	+1.49	7
1907	44.2	−2.1	75	15	3.49	−0.04	7
1908	48.6	+2.3	80	8	2.61	−0.92	7
1909	54.7	+8.4	86	19	2.29	−1.24	6
1910	41.1	−5.2	78	11	2.04	−1.49	6
1911	41.6	−4.7	85	9	4.51	+0.98	8
1912	45.2	−1.1	82	16	1.22	−2.31	4
1913	50.5	+4.2	81	8	3.25	−0.28	9
1914	46.9	+0.6	83	5	1.23	−2.30	5
1915	49.8	+3.5	85	16	4.80	+1.27	9
1916	47.8	+1.5	80	8	1.72	−2.01	4
1917	44.3	−2.0	78	11	1.23	−2.50	5
1918	46.1	−0.2	77	19	1.90	−1.83	6
1919	47.4	+1.1	78	16	7.31	+3.78	8
1920	44.7	−1.6	79	10	3.21	−1.32	8
1921	49.8	+3.5	79	20	7.85	+4.45	12
1922	48.3	+2.0	87	16	1.92	−1.60	6
1923	46.4	+0.1	76	16	3.65	+0.12	6
1924	45.7	−1.4	83	13	1.82	−1.71	9
1925	44.9	−1.4	78	8	5.13	+1.60	11
1926	42.9	−3.4	80	0	3.26	−0.13	8

Climatological Data for November, 1926.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall melted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	24	44.2	− 2.7	76	3	6	22	52	5.50	+2.32	1.50	4.0	8	9	18	3	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	44	42.8	− 4.5	72	25	19	22	38	4.70	+0.63	1.42	1.0	8	8	9	13	sw.	E. W. Horr.
Calhoun	McLean	420	36	43.0	− 4.9	70	25	13	22	36	4.54	+1.08	1.26	4.0	9	6	15	9	sw.	W. A. Taylor.
Farmington	Hopkins	519	9	43.0	− 3.8	77	25	13	22	40	4.15	+0.16	1.95	2.0	10	17	8	5	s.	Brick Southworth.
Greenville	Muhlenburg	524	30	43.4	− 5.1	70	25	13	22	38	3.76	−0.42	1.31	1.3	8	9	1	20	s.	W. E. Graves.
Hopkinsville	Christian	571	28	43.8	− 4.5	70	25	16	22	34	4.48	+0.76	1.25	2.0	7	9	8	13	nw.	B. C. Paris.
Marion	Crittenden	364	17	44.5	− 4.8	71	25	18	22	34	3.67	−0.71	1.00	0.7	7	10	11	9	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	412	0	44.1	.....	73	25	11	22	36	3.78	.....	1.22	0.9	6	16	8	6	n.	Harry B. Arnold
Murray	Calloway	479	29	41.4	− 5.8	71	25	3	22	37	4.17	+0.71	1.32	3.0	11	7	7	16	nw.	Henry S. Berry.
Owensboro	Daviess	516	9	44.1	− 3.9	72	25	17	22	34	4.60	+0.31	1.10	1.5	8	9	14	7	se.	J. W. Lilley
Paducah (near §)	McCracken	341	37	.....	.....	.....	.....	.....	.....	.....	4.16	+0.56	1.24	1.0	7	.....	.....	.....	.....	Frank L. Brown.
Padiwan	McCracken	329	19	42.3	− 4.6	70	14‡	15	22	33	2.95	−1.17	0.62	1.5	9	9	8	13	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	9	.....	.....	.....	.....	.....	.....	.....	3.31	0.64	0.97	4.0	8	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2 ‡	McLean	500	15	43.0	− 4.8	68[c]	15	12[c]	22	35[b]	3.91	+0.32	1.60	1.5	7	13[c]	2[c]	12[c]	s.	Wm. Shelton.
Russellville	Logan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Anchorage	Jefferson	700	25	41.2	3.1	69[a]	14	9[a]	22	32[b]	1.98	−0.97	0.53	1.6	9	10[a]	13[a]	8[a]	sw.	C. E. Barret.
Bardstown	Nelson	637	29	42.4	− 4.3	71	14	8	22	38	2.80	−0.50	0.72	3.0	7	7	4	19	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	509	37	43.2	− 4.1	70	25	11	21	37	4.59	+0.78	1.50	2.7	9	9	16	6	w.	Mrs. Lillie G. Causey
Bowling Green, No. 2	Warren	469	1	.....	.....	.....	.....	.....	.....	.....	4.47	.....	0.93	2.5	10	.....	.....	.....	.....	J. Frank Thomas.
Bowling Green, Lock 6	Edmonson	410	9	.....	.....	.....	.....	.....	.....	.....	4.29	−0.26	1.28	3.0	10	.....	.....	.....	.....	Virgil M. Whalin.
Brodnaxville, Lock 7	Pulaski	573	35	.....	.....	.....	.....	.....	.....	.....	5.50	+2.29	1.22	2.0	10	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Carroll	422	27	.....	.....	.....	.....	.....	.....	.....	1.63	1.30	0.45	.....	10	.....	.....	.....	.....	Charlie Oliver.
Carrollton, Lock 1	Breckenridge	422	12	.....	.....	.....	.....	.....	.....	.....	3.05	−0.54	0.80	0.8	10	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	489	0	.....	.....	.....	.....	.....	.....	.....	3.09	.....	0.45	.....	10	.....	.....	.....	.....	W. L. Patchell.
Cold Spring, Dam 36	Campbell	770	2	43.4	.....	80[c]	14	9[c]	21	31[b]	3.48	.....	0.72	T	10	.....	.....	.....	.....	Geo. Henry Ellis.
Dix Dam, Burgin	Mercer	1177	32	43.2	− 1.9	69	14	11	22	34	5.01	+1.84	1.28	3.5	9	4	7	19	s.	Mrs. Katie Payne.
Falmouth	Pulaski	569	34	43.0	− 3.4	72	14	16	22	34	1.80	−1.61	0.51	1.0	10	15	1	14	s.	Sidney Wood.
Frankfort	Franklin	691	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jos.H. Blewett.
Franklin	Simpson	449	15	.....	.....	.....	.....	.....	.....	.....	1.96	−1.14	0.45	.....	9	.....	.....	.....	.....	Albert Purvis.
Gest, Lock 3	Henry	780	5	44.0	.....	70	8	0	22	48	3.88	.....	1.00	2.0	7	10	6	14	n.	Dr. Fidella Edwards.
Glasgow	Barren	566	1	.....	.....	.....	.....	.....	.....	.....	1.39	.....	0.38	.....	10	6	2	22	s.	Bert Ross.
Grand Dam 38	Boone	881	33	41.8	− 3.4	71	14	3	22	42	4.43	+1.02	1.09	3.0	12	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	850	24	.....	.....	.....	.....	.....	.....	.....	3.57	+0.40	0.71	3.0	9	.....	.....	.....	.....	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	646	28	42.4	− 4.2	68	14	11	22	29	2.74	−0.61	0.98	2.2	9	7	6	17	w.	W. J. Pigrott.
Irvington	Breckenridge	985	32	42.0	− 1.9	72	4[b]	4	22	44	5.57	+2.33	1.45	3.0	7	11	10	9	s.	William E. Grubbs.
Junction City	Boyle	1032	0	.....	.....	.....	.....	.....	.....	.....	4.55	.....	1.45	.....	10	.....	.....	.....	.....	L. J. Vanhook.
Lancaster	Garrard	935	30	42.6	− 2.9	67	14	12	22	31	4.35	+0.39	1.40	3.0	9	8	11	11	sw.	H. H. Willis.
Leitchfield	Grayson	980	42	40.8	− 4.0	70	14	16	22	35	3.21	−0.27	0.87	2.8	10	10	7	13	sw.	U. S. Weather Bureau
Lexington	Fayette	923	15	.....	.....	.....	.....	.....	.....	.....	4.13	+1.43	0.80	3.5	10	.....	.....	.....	.....	Horace Carter.
Little Beckman, Lock 8	Jessamine	876	16	.....	.....	.....	.....	.....	.....	.....	1.23	−1.68	0.33	1.0	10	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Henry	525	53	42.2	− 4.5	70	14	18	22	32	1.83	−2.35	0.58	1.5	9	5	8	17	se.	U. S. Weather Bureau.
Louisville	Jefferson	534	16	42.4	− 4.2	69	14	15	22	32	1.93	−1.33	0.52	2.0	6	9	5	16	s.	Wm. I. Hunt.
Do (Cherokee Park)	Do.	540	1	.....	.....	.....	.....	.....	.....	.....	2.86	.....	0.80	2.5	9	.....	.....	.....	.....	C. R. Richardson.
Munfordville	Hart	660	1	.....	.....	.....	.....	.....	.....	.....	3.45	−0.08	0.87	4.0	10	16	6	8	.....	Sisters of Loretto.
St. John	Hardin	777	30	41.5	− 4.2	68	14	5	22	38	4.41	+1.82	0.98	2.0	9	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6	Mercer	490	12	.....	.....	.....	.....	.....	.....	.....	1.59	−1.26	0.46	T.	8	5	6	19	sw.	E. B. Wilson.
Scott	Kenton	900	28	41.8	− 3.0	71	14	17	22	33	2.46	−0.95	0.66	2.5	11	8	5	17	s.	Miss Ruth Ratta.
Shelbyville	Shelby	825	37	41.0	− 3.4	71	14	10	22	33	3.29	−0.04	0.78	1.7	9	9	8	13	sw.	E. D. Bourne.
Taylorsville	Spencer	489	24	41.0	− 3.8	70	14	5	22	34	2.44	+0.26	0.72	2.0	10	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5	Anderson	526	8	.....	.....	.....	.....	.....	.....	.....	1.78	−0.95	0.50	0.5	8	7	7	16	w.	Mrs. E. S. Humlong.
Williamstown	Grant	943	23	41.3	− 3.8	68	14	15	22	35	3.44	−0.65	1.43	3.0	11	.....	.....	.....	.....	J. C. Stinson.
Woodbury, Lock 4	Butler	533	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ashland	Boyd	534	9	44.8	.....	75	14	20	12	38	2.91	−0.67	1.10	0.5	11	9	2	19	w.	Curtis Purvis.
Beattyville	Lee	1070	24	42.8	− 4.5	74	14	16	22	37	3.74	+0.80	1.01	1.8	12	8	6	16	s.	Robert S. Smallwood.
Berea	Madison	601	16	.....	.....	.....	.....	.....	.....	.....	4.25	+1.15	1.25	3.8	7	5	16	9	sw.	Samuel M. Mayfield.
Cowgill, Lock 11	Harrison	684	8	.....	.....	.....	.....	.....	.....	.....	3.54	+0.82	0.92	3.5	9	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	600	37	.....	.....	.....	.....	.....	.....	.....	2.33	−0.99	0.70	0.8	10	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	668	18	43.5	− 1.3	78[a]	14	9[a]	21	46[b]	1.63	−1.54	0.82	T.	10	14	6	10	s.	J. V. Oldham
Farmers	Rowan	841	1	.....	.....	.....	.....	.....	.....	.....	4.11	+1.05	1.65	2.0	9	10[b]	3[b]	15[b]	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	563	10	.....	.....	.....	.....	.....	.....	.....	3.14	.....	1.45	T.	8	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	589	1	.....	.....	.....	.....	.....	.....	.....	3.27	+0.36	0.99	2.3	11	.....	.....	.....	.....	John A. Walkers.
Grassey	Carter	540	6	.....	.....	.....	.....	.....	.....	.....	2.28	.....	0.88	5.0	9	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	1197	1	.....	.....	.....	.....	.....	.....	.....	2.31	.....	1.00	.....	13	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	869	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Agnes Farley
Hazard	Perry	664	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chas O. Ihrig.
Hendrickson, Lock 14	Lee	1032	1	42.4	.....	77	15	17	12‡	38	4.27	.....	1.24	3.6	7	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1566	1	.....	.....	.....	.....	.....	.....	.....	4.62	+0.62	1.07	2.5	9	.....	.....	.....	.....	Miss Lake Napier.
Jackson	Letcher	884	22	.....	.....	.....	.....	.....	.....	.....	4.57	.....	1.05	1.7	10	16	3	11	n.	R. R. Davidson.
Louisa	Lawrence	524	29	43.0	1.7	75	14‡	16	22	37	5.40	.....	1.88	T.	9	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	1128	30	41.9	− 4.1	71	14	16	12	39	2.62	+0.65	1.25	.....	6	.....	.....	.....	.....	Perry E. Bennett
Middlesboro	Bell	930	36	41.0	3.0	74	14	14	22	39	1.56	−1.46	0.48	T.	9	6	3	21	sw.	Matthew Woodson.
Mount Sterling	Montgomery	497	4	.....	.....	.....	.....	.....	.....	.....	3.58	−0.16	1.15	0	8	19	6	5	.....	W. R. McKee.
Oneonta, Dam 35	Campbell	616	20	.....	.....	.....	.....	.....	.....	.....	3.80	+0.56	0.96	2.0	9	9	7	14	w.	Andrew M. Stanforth.
Pikeville	Pike	630	1	.....	.....	.....	.....	.....	.....	.....	1.97	.....	0.63	T.	8	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	732	1	44.2	.....	77	14	19	12	42	3.26	+0.67	1.02	T.	8	.....	.....	.....	.....	F. C. Ball
Quicksand	Breath H	631	8	.....	.....	.....	.....	.....	.....	.....	3.51	.....	1.40	2.0	5	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	926	25	44.5	2.3	76	14	18	22	36	4.06	.....	1.10	2.0	7	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	1235	3	43.6	.....	74[c]	15	15	21	48[c]	3.46	.....	1.04	.....	9	.....	.....	.....	.....	J. W. Crooke
Sargent	Letcher	841	13	.....	.....	.....	.....	.....	.....	.....	3.77	+0.90	1.27	2.7	7	11	4	15	.....	Mary Rockwell.
Turkey View, Lock 9	Madison	525	11	.....	.....	.....	.....	.....	.....	.....	5.25	.....	1.35	2.0	9	17	5	8	n.	Thos Sullivan.
Vanceburg, Dam 32	Lewis	700	0	.....	.....	.....	.....	.....	.....	.....	5.14	+2.10	0.80	4.0	9	.....	.....	.....	.....	H. M. Fannin.
Vreeland	Letcher	1142	1	.....	.....	.....	.....	.....	.....	.....	1.93	−2.25	0.85	.....	9	.....	.....	.....	.....	.....
Williamsburg	Whitley	939	29	45.2	2.0	75	14	18	22	42	2.94	.....	1.72	T.	8	.....	.....	.....	.....	G. H. Zimmerman.
Willow Lock 13	Lee	611	7	.....	.....	.....	.....	.....	.....	.....	4.61	+1.57	1.21	2.0	8	21	2	7	.....	Lawrence R. Uhl.
											3.01	.....	0.98	1.6	7	.....	.....	.....	.....	Shelby Angel.
				42.9	3.4	80	14	0	22	52	3.46	0.33	1.95	2.0	9	10	7	13	s.	

State averages and extremes.

‡Temperature data are taken from self-registering thermometers. Precipitation data are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

[a] Departures from normal temperature and precipitation are Locks on the Green River; other Locks are on the Kentucky River. [b] Records for less than 10 years. [c] Runsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River. [d] Represents two days, etc.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, [a] represents two days, etc.

‡ Received too late to be included in means and summaries. § Lone C

* Also on other dates. † Precipitation is less than 0.01 inch rain or melted snow.

¶ Destroyed by sickness. — Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

MISCELLANEOUS.

Rivers:—Stages in the Ohio River were somewhat higher than usual in this month. Heavy precipitation in the upper basin on the 16th caused a rather sharp rise during the following w

Errata for October, 1926. Elkhank, days with precipitation, .01 or 7 instead of 6. Princeton, prevailing direction of wind S. instead of N.

Daily Precipitation for November, 1926.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G						.52		.90						1.50		.80	.08			.40				1.04				.30			3.26
Brandville	M							.41	.57					.67	.77	T	.33	T		.11					.42				.42			2.70
Calhoun	G							.52	1.26						1.23		.15	.15			.34				.05	.47			.37			3.01
Earlington	G							T	1.04	.05						.01	.35	T			.34	T			.02	.69			.50	.61		3.06
Greenville	G							.41	.45	.02					1.95		.10	.20			.23				.02	.40			.45			3.55
Hopkinsville	C							.68	.07						1.31		.24				.19				.19	.74			.34			3.54
Marion	O							.47	1.25						.80		.40				.22				T	.87			.59			4.13
Mayfield	M							.50	.60					.40	1.60						.07					.20			.60			3.37
Murray	T							.30	.85						1.22		.22			.09	.20								.50			3.08
Owensboro	O			T				.45	.54						1.32	.02	.10	.18			.67			.30	.05	.73			.44			4.17
Paducah (near) ¶	O							.45	.85						1.10		.40				.15				.05	1.10			.50			4.55
Paducah	O							T.	1.24	.10					.90		T.	.20	T.		.10			T.	T	1.09			.50			4.16
Princeton	G							.30	.60					T.	.50		.28	.02		T.	.18				.01	.62		T.	.44			2.95
Ramsey, Lock No. 2	G								.84	.17					.97			.16			.40	T.			.02	.42			.53	T		2.67
Russellville	G								.60						1.60			.55			.26				.10	.41			.45			3.37
Central Division																																
Anchorage	O							.68	.31						.53		.09	.02			.16				.24	.29			.20			1.99
Bardstown	S								.56						.72		.24				.53				.20	.12			.43			2.80
Bowling Green	G							.40	.45						1.56		.15	.18			.27				.32	.80	T.		.62			4.59
Bowling Green, No. 2	G								.83	.14				T.	.93	.34		.29			.34	T.			.09	.39			.89	.83		4.17
Brownsville, Lock No. 6	G								.83	.18					1.28	.07		.25			.30	T.	T.		.03	.94			.55	.63		4.29
Burnside	C	T.						T.	1.17	.10					.72	.92		.30			.25	T.		T.		1.22	.16		.16	.56		5.56
Carrollton ‖ (Lock No. 1)	K		.01						.35	.03					.22	.21	T.	.20	.01		.05					.45	.04		.01	.05		1.63
Cloverport	O	T.							.63	.28					.80	.03		.28	T.		.36	T.		T.		.42	.03		.25	.01		3.09
Cold Spring, Dam 36	O		T.			.03		.34	.10	T.					T.	.45	.14	.03	T.	T.						.45	.27		.16	.18		2.05
Dix Dam, Burgin	K								.72	T.					.33	.64	T.	.11			.17	.10	T.			.59	.06	.58	.18			3.45
Eubank	C								1.09	.10					.16	1.28	.35				.30				1.25		.27		.27			5.01
Frankfort	K								.27	.05	T.				.15	.51		.02	T.		.05					.42	.02		.25	.05		1.80
Franklin	G																															
Gest, Lock No. 3	K								.33	T.					.17	.45	T.	.09			.20				.34	.14			.18	.06		1.56
Glasgow	G								.90	T.								1.00			.30				.36	.61	.10	.67				3.88
Grant, Dam 38	O			T.					.30	.14	T.				.07	.21	.01	.09	T.	T.						.38	.05		.42	.10		1.39
Greensburg	G	.02						.07	.69	.02				T.	1.00	.01	T.	.21			.29				.62	.55	.01		.50			4.43
High Bridge, Lock No. 7	K								.70						.26	.71		.13			.30					.45	.20		.63	.19		3.57
Irvington	O	T.		T.				.24	.60	T.					.98		.08	.10	T.		.25				.10	.18			.21			2.74
Junction City	K								.93						1.42			.30			.30				1.45	.15		1.02				5.57
Lancaster	K								.83	.01					.36	.68			.22		.23					1.47	.10		.42	.25		4.36
Leitchfield	G								.55	.30				T.	1.40		.15	.15			.25				.80	.55			.40			4.55
Lexington ***	K	T.						.52	.14	T.				T.	.86	.01	.08	.05	T.		.22			T.	.20	.46			.65			3.21
Little Hickman, Lock No. 8	K		T.						.80	.15					.40	.64		.20			.24	T.				.80	.10		.70	.10		4.13
Lockport, Lock No. 2	K							.28	.04	T.																						
Louisville ***	O			T.				.39	.19	T.				T.	.33	.09		.05		.09					.11	.07		.14	.09			1.23
Do. (Cherokee Park)	O			T.					.52						.58	T.	.15	T.	T.	.03	.15				.11	.14			.11			1.83
Munfordville	G								.80	.10					.62		T.	T.			.37				.18	.17			.17			1.52
St. John	S			.01				.10	.70						.20	.10		.20			.25					.50	.30		.35			2.80
Salvisa, Lock No 6	K								.50	T.				T.	.87		.12	.21			.35				.30	.46			.34			3.45
Scott	L	T.		T.					.46	T.					.36	T.	.02	.03	T.		.21				.65	.05	.35		.35	.07		4.41
Shelbyville	S								.44						.66	.03	.11	.05			.25				.32	.25	.03		.12			1.59
Taylorsville	S							.14	.44						.66	.03	.11	.05			.25				.17	.26	.03		.32			2.46
Tyrone, Lock No. 5	K							.05	.50	.01					.61	T.	T.	.78	T.	.15					.43	.31			.47			3.29
Williamstown	L							.40	.64					.72	.18			.10	T.		.26				.60	.11		.50	.08			2.94
Woodbury, Lock No. 4	G								.42	T.					.50			.06	T.		.05			.01	.26	.25			.22			1.78
Eastern Division									.56	.05					1.48	.02		.26			.30	T.			.03	.55	.03		.20	.03		3.44
Ashland	O	.11	.04																													
Beattyville	K	.02							.40	.18					1.10			.06	.03		.07					.35	.22			.31			2.97
Berea	K								.56	.05	T				1.01	.01		.25			.16	.04				.66	.51		.01	.48		3.74
College Hill, Lock No. 11	K								.67	T					1.25			.21			.27			T.	.63	.45	T		.67			4.25
Cynthiana	L	.04	T.	T.					.55	T					.02	.92		.10			.25	T				.75	.26		.10	.65			3.54
Falmouth	L				.06				.50	.03					.02	.70	T.				.08					.30	.15		.20	.17			2.53
Farmers	L	.76							.25						.28	.32		.08			.02					.25	.15		.24	.08			1.63
Flemingsburg	L								.40						.92			.21			.15					.75	.22		.32	.45			4.11
Ford, Lock No. 10	K	T.	.01						1.46	T.					.67		.10	.27								.20	.21		.34	.20			3.49
Grayson	O	.04	.02						.68	.01	T.				T.	.96	T.	.15	T.	T.	.17	.01				.84	.02		.60	.14			3.27
Greenup, Dam 30	O	.08	.02						.31							.88		.32			.11					.26			.15	.18			2.28
Harlan	K								.37	.02					1.00	.01	.06	.05			.02					.07	.05		.06	.50			2.31
Hazard	K	.04																														
Heidelberg, Lock No. 14	K							T	.99	.22					1.24	T.					.20				.60	T.	.98	T.				4.27
Hindman	K								.62	.05					1.07			.25		.27	.66	T	T		.86	.39			.52			4.02
Jenkins	K								1.05	.10					.86	.41		.16			.17				.50	.80			.30	.12		4.57
Louisa	B	.09							1.22	.17					1.88	.09		.21		.19						.56	.72			.42			5.40
Maysville	O	.05	.03						.38						1.25											.17	.45			.25			2.62
Middlesboro	C									T					.4			.07	T.		.02					.18	.26		.28	.24			1.56
Mount Sterling	L		.01	T.					1.15									.35							.05	.80	.78	.02	.41		.05		3.59
Oneota Dam 25	O								.57	T					.85	.02		.22			.26		T.		.47	.41	T.		.26	T.		3.80
Pikeville	B	.12							.32	.18								.63	T		.03					.43	.18		.04	.10			1.97
Prestonsburg	B								.36	.08					1.02		.16	T		T.						.28	.36			.28			3.26
Quicksand	K								.67	.14						1.40		.10							.24	.22	.47			.30			3.54
Ravenna, Lock No. 12	K	.10	T.						.75							1.10		.25			.20				.66		.05			.56			4.06
Richmond	K								.44	T.	T				.58	T.	.10	T.			.12	.05			T.	1.04	.15		T				3.46
Sergent	K								.74	T					1.27			.25			.37				.80	.20			.15	.38			3.77
Valley View, Lock No. 9	K								1.35	.10					1.10	.80						.25			.45	.35			.35	.30			5.25
Vanceburg, Dam No. 32	O	.10	.05						.86	.05					.70	.02		.15			.15				.40	.15			.72				3.14
Wayland	B								.29	.07						.85	.05	.08								.09				.40			1.13
Whitesburg	K	.07																														
Williamsburg	C									.14					1.72			.25	T.						.14	.16	.02			.50			2.54
Willow, Lock No 13	K								1.03	.10				T.	1.21			.10			.14					.35	.40			.70			4.61
									.54	.16					.56			.23			.16					.80							3.61

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

Daily Temperatures for November, 1926.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	64	65	76	59	57	65	66	60	57	55	44	55	60	70	62	49	57	49	41	44	36	41	53	56	67	65	44	66	60	48	..	56.
	Minimum	29	53	34	21	27	33	36	41	36	29	20	24	36	53	48	36	37	36	34	41	35	42	51	56	72	67	46	62	59	52	..	52.
Blandville	Maximum	64	46	54	45	54	63	67	56	56	52	40	52	57	68	56	54	54	53	34	41	35	42	51	56	72	67	46	62	59	52	..	53.
	Minimum	39	31	33	34	31	37	43	48	32	33	20	29	44	54	43	38	33	25	24	23	26	19	27	40	33	37	28	39	39	29	..	33.
Calhoun	Maximum	64	50	53	51	55	64	63	61	56	56	40	52	61	70	66	54	53	49	41	40	35	44	51	58	68	66	45	65	61	47	..	54.
	Minimum	34	31	27	33	31	33	35	42	34	28	21	25	40	53	47	38	40	27	30	25	27	10	21	43	36	36	28	35	35	25	..	32.
Earlington	Maximum	66	50	55	51	55	62	64	55	57	34	41	54	60	69	65	54	53	39	40	39	35	41	52	56	70	69	44	66	64	50	..	57.
	Minimum	36	30	26	31	31	44	40	48	34	27	18	27	27	55	44	40	39	26	28	26	26	18	23	47	34	37	28	30	33	24	..	30.
Greenville	Maximum	67	54	59	56	55	64	67	61	58	41	44	53	61	70	69	56	60	61	42	40	39	46	52	58	69	77	48	72	69	50	..	55.
	Minimum	34	28	24	30	26	33	32	42	35	26	12	22	41	53	47	37	41	24	26	19	24	10	20	40	37	37	27	34	37	21	..	30.
Hopkinsville	Maximum	67	61	58	52	57	67	68	57	56	47	44	58	61	69	65	56	52	42	43	39	37	42	54	57	70	68	47	67	67	47	..	55.
	Minimum	33	31	25	29	25	29	34	45	35	26	19	25	37	51	46	37	38	24	23	20	26	13	22	43	32	39	28	33	34	25	..	31.
Marion	Maximum	64	64	60	53	54	63	65	61	56	56	41	52	63	69	65	54	50	44	38	32	25	27	39	39	34	42	51	57	70	67	46	54.
	Minimum	40	30	33	34	30	39	44	48	38	24	19	31	44	50	44	38	32	25	27	22	24	16	29	43	36	36	27	37	38	27	..	33.
Mayfield	Maximum	66	66	55	54	56	64	65	62	57	39	42	52	59	67	65	55	54	39	41	42	38	44	52	59	71	70	47	62	63	56	..	55.
	Minimum	40	32	28	32	29	38	41	47	36	24	20	27	43	51	40	47	37	25	23	23	26	18	24	45	41	42	27	37	39	27	..	33.
Murray	Maximum	68	60	58	52	57	64	67	61	59	50	44	56	62	66	63	56	52	47	43	40	47	45	55	60	73	69	60	67	62	55	..	57.
	Minimum	33	31	24	28	22	29	31	43	35	24	16	22	40	56	46	40	37	23	22	18	27	14	20	44	42	40	24	34	41	22	..	30.
Owensboro	Maximum	63	52	56	49	55	62	65	58	57	44	34	55	59	69	66	56	52	38	40	38	45	58	58	56	72	70	56	61	61	56	..	55.
	Minimum	35	29	25	32	28	33	37	46	33	25	21	28	33	42	44	35	35	25	28	24	21	3	18	40	35	33	24	32	35	26	..	30.
Paducah (near)	Maximum	66	54	57	53	59	66	66	58	57	37	45	52	59	69	66	56	52	38	40	40	38	45	58	58	72	70	56	61	61	56	..	55.
	Minimum	40	30	30	34	30	38	43	46	35	24	18	28	45	53	45	39	36	28	25	23	26	17	26	25	38	40	25	37	39	27	..	32.
Princeton	Maximum	64	50	50	51	54	63	63	55	55	37	40	52	61	70	64	54	47	43	38	38	36	39	51	57	70	66	45	65	63	51	..	53.
	Minimum	33	31	26	30	25	30	35	48	37	25	18	25	38	50	45	38	34	28	24	25	20	23	15	22	45	37	38	26	35	24	..	31.
Rossellville§§	Maximum	63	47	57	58	55	63	64	60	..	..	..	..	52	61	68	52	49	56	33	40	40	33	40	51	56	66	54	45	65	51	46	..	*52.
	Minimum	35	32	26	29	29	30	36	48	47	..	..	..	23	40	51	39	40	25	24	21	23	12	22	34	44	51	33	30	44	25	..	*33.
Central Division.																																	
Anchorage	Maximum	64	50	49	41	54	64	64	68	58	33	42	53	59	69	66	48	56	48	33	31	35	39	46	51	58	59	..	63	58	44	..	*51.
	Minimum	34	26	23	38	29	32	34	38	33	28	18	32	35	48	47	35	29	28	30	28	18	9	17	35	35	34	..	29	37	38	..	*30.
Bardstown	Maximum	64	64	54	45	55	64	66	63	60	41	45	55	64	71	67	56	59	46	36	31	34	40	49	54	62	60	43	65	60	47	..	53.
	Minimum	33	26	23	30	29	29	34	40	33	29	21	21	37	52	45	32	45	28	25	28	14	8	17	44	44	33	32	30	36	33	..	55.
Bowling Green	Maximum	66	57	53	48	47	65	66	64	55	37	44	54	65	69	68	58	59	50	42	40	42	52	56	60	70	68	45	69	65	60	48	56.
	Minimum	35	30	25	30	28	29	32	32	35	28	19	28	35	46	48	38	37	24	24	23	11	20	40	45	39	22	28	36	29	..	..	*30.
Dix Dam	Maximum	62	56	57	46	53	62	..	69	63	42	41	53	61	70	64	54	47	43	38	38	36	39	51	57	70	66	45	65	63	51	..	*55.
	Minimum	36	29	26	35	34	33	..	32	41	29	23	23	36	50	51	37	34	28	26	9	14	40	36	..	36	..	..	28	..	..	..	*31
Eubank	Maximum	56	47	50	47	52	60	60	67	61	58	55	53	61	69	63	61	55	50	47	43	41	50	51	54	54	55	62	59	58	..	..	*55.
	Minimum	30	29	22	28	33	28	34	35	40	27	21	21	35	49	48	36	35	28	25	26	26	11	16	40	44	41	31	28	44	28	..	31.
Frankfort	Maximum	62	60	48	47	52	60	62	67	65	42	37	52	61	72	70	54	57	56	37	35	32	37	46	53	57	60	46	64	63	44	..	53.
	Minimum	35	32	26	35	23	32	33	36	41	30	24	22	35	51	53	39	36	32	31	31	27	16	19	34	34	39	33	36	41	30	..	32.
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Franklin	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Maximum	62	64	52	44	55	62	69	70	54	49	68	55	60	60	69	40	62	60	52	50	43	48	52	55	64	60	64	66	56	49	..	57.
Glasgow	Minimum	35	32	25	31	30	34	39	31	35	26	19	31	38	41	33	32	30	29	26	17	25	0	23	44	48	39	42	40	37	35	..	31.
	Maximum	63	56	53	48	54	62	67	66	58	39	39	56	64	71	68	53	59	57	39	35	33	42	52	56	61	61	42	69	61	43	..	54.
Greensburg	Minimum	30	28	22	27	28	24	27	32	32	29	22	26	31	46	49	36	32	25	25	19	25	3	14	34	45	36	31	27	41	23	..	29.
	Maximum	62	46	51	47	53	61	62	62	56	36	39	52	60	68	66	47	57	48	35	32	33	28	50	55	62	61	41	64	58	47	..	51.
Irvington	Minimum	38	29	29	35	32	38	41	49	34	28	23	27	41	52	47	37	35	26	29	28	25	11	25	40	41	34	30	33	37	34	..	33.
	Maximum	64	69	63	72	55	62	72	69	62	42	41	53	58	71	66	51	56	53	34	33	32	44	50	52	54	57	41	62	61	43	..	54.
Junction City	Minimum	26	34	22	30	26	29	28	33	41	28	21	19	35	52	50	30	37	28	26	25	22	4	14	36	37	37	31	20	26	33	..	29.
	Maximum	64	50	54	46	55	63	64	63	54	35	41	52	60	67	65	50	52	48	40	34	35	42	49	54	62	62	44	63	59	48	..	52.
Leitchfield	Minimum	36	28	25	33	31	33	38	44	35	25	22	26	40	42	49	37	36	27	28	25	25	12	24	43	45	36	32	32	37	33	..	32.
	Maximum	58	42	46	40	50	59	62	68	58	31	35	51	61	70	64	44	55	34	31	29	29	35	46	48	56	59	36	63	55	40	..	48.
Lexington	Minimum	35	30	30	36	33	36	42	48	41	27	22	27	41	53	44	36	32	28	27	26	20	16	29	44	41	21	28	28	36	24	..	33.
	Maximum	63	48	49	43	52	61	62	66	57	33	38	52	60	70	68	46	56	51	34	31	27	25	18	26	39	38	34	31	31	36	33	33.
Louisville	Minimum	36	32	32	38	35	39	41	46	33	27	24	28	42	53	42	37	32	29	30	27	25	18	26	39	38	34	31	31	32	29	..	51.
	Maximum	62	59	48	47	51	61	62	66	57	39	37	52	60	69	66	52	56	51	34	34	32	37	45	52	59	61	37	62	61	44	..	51.
Do (Cherokee Park)	Minimum	38	31	27	37	34	34	40	40	37	27	23	24	29	49	52	36	34	29	30	29	24	15	22	36	34	35	31	30	38	34	..	33.
	Maximum	64	54	49	49	55	63	64	64	51	38	41	52	60	68	66	54	53	53	38	35	39	43	48	56	62	54	39	63	61	61	..	59.
St John	Minimum	35	32	24	30	28	30	33	33	33	26	20	25	28	50	47	36	30	28	24	22	21	5	16	40	34	31	31	32	31	31	..	32.
	Maximum	61	50	46	45	52	60	64	67	63	40	37	52	60	71	68	50	56	56	32	31	33	38	47	49	57	57	36	66	59	39	..	51.
Scott	Minimum	35	29	22	34	33	35	39	40	40	28	19	21	37	51	50	36	35	29	28	26	17	24	37	37	32	36	27	29	33	..	..	32.
	Maximum	63	50	48	46	53	62	64	67	61	39	39	53	61	71	64	54	55	44	35	34	34	39	41	52	58	59	40	69	58	44	..	51.
Shelbyville	Minimum	34	28	23	32	31	31	31	36	35	28	21	21	37	49	49	37	39	27	29	28	24	16	18	31	32	36	30	30	37	34	..	30.
	Maximum	62	60	47	45	52	59	60	66	60	40	37	51	59	70	68	53	57	53	35	33	30	36	49	53	59	56	36	60	60	42	..	51.
Taylorsville	Minimum	32	29	25	31	31	31	38	30	34	38	28	23	21	32	48	36	37	29	28	29	26	23	5	15	30	31	26	32	29	39	35	30.
	Maximum	59	57	48	48	50	60	64	67	64	39	37	52	56	68	66	51	55	52	36	33	31	37	47	49	56	57	38	60	60	45	..	51.
Williamstown	Minimum	33	27	25	35	32	33	36	40	37	27	19	21	34	50	49	36	31	27	27	27	25	15	21	37	31	26	27	25	38	32	..	31.
Eastern Division.																																	
Ashland	Maximum	62	66	45	50	53	63	65	71	70	62	39	51	61	75	74	55	57	57	38	34	33	42	50	52	52	49	22	28	51	35	..	55.
	Minimum	33	35	29	34	39	30	31	33	53	33	26	20	33	45	54	41	36	33	31	28	27	22	33	32	32	32	22	28	37	16	..	34.
Beattyville	Maximum	63	54	53	51	55	64	70	72	67	40	42	55	67	76	71	51	58	56	36	34	36	45	53	58	53	52	28	36	57	37	..	54.
	Minimum	36	34	28	30	34	27	28	32	39	31	23	20	31	36	50	36	30	31	29	30	28	19	18	29	35	37	20	27	43	31	..	31.
Berea	Maximum	60	53	48	46	52	59	65	57	61	41	37	53	62	74	69	52	56	54	34	33	32	41	49	52	54	59	38	48	60	48	..	54.
	Minimum	35	32	33	35	34	34	39	41	40	28	20	28	35	54	51	37	34	29	27	27	23	16	22	39	39	39	28	33	41	..	..	*57.
Farmers	Maximum	62	57	51	52	55	66	70	68	63	44	39	52	78	72	57	60	56	58	54	42	65	59	59	58	68	63	51	..	..	..	..	*29
	Minimum	29	31	20	29	35	22	23	29	50	30	23	15	28	40	52	27	26	26	28	28	9	14	25	30	43	31	23	46	35	..	..	54.
Hindman	Maximum	59	47	50	49	50	60	63	72	67	54	40	53	65	75	77	55	56	56	35	34	33	41	50	52	50	61	51	63	57	50	..	54.
	Minimum	33	32	24	25	29	25	29	51	31	26	17	27	37	52	87	29	32	28	20	28	17	19	29	36	41	29	25	35	36	..	..	31.
Maysville	Maximum	61	58	47	47	52	61	64	69	69	50	38	52	63	75	75	54	58	58	38	36	31	39	49	53	58	41	65	61	46	..	..	53.
	Minimum	32	29	25	35	38	32	31	33	48	31	24	19	32	43	52	38	36	30	32	26	27	16	16	32	70	39	30	28	44	35	..	32.
Middlesboro	Maximum	57	52	49	51	51	58	63	68	66	57	50	50	60	71	70	63	56	55	50	45	39	49	51	59	70	68	50	58	56	53	..	58.
	Minimum	31	31	23	21	34	23	22	28	27	28	23	16	26	27	49	30	26	29	26	20	21	23	17	29	40	40	32	48	46	34	..	28.
Mount Sterling	Maximum	59	52	54	47	52	60	64	64	40	38	53	66	74	66	48	56	53	34	33	33	40	49	51	54	58	56	45	58	65	56	41	..
	Minimum	36	31	23	31	32	28	31	37	38	28	22	18	36	46	46	34	30	30	26	22	18	14	16	33	38	34	27	36	46	37	30	..
Quicksand	Maximum	63	49	51	53	52	63	72	71	68	58	42	55	69	72	74	65	57	..	..	..	..	..	..	45	59	54	62	45	67	61	50	..
	Minimum	32	31	25	25	39	25	24	25	52	32	26	17	29	45	40	38	30	30	28	24	23	18	17	21	50	35	45	31	28	25	39	..
Richmond	Maximum	60	52	52	52	54	63	68	71	64	39	44	54	66	74	66	48	56	53	32	37	36	29	28	36	36	35	33	25	44	38	..	48.
	Minimum	36	31	28	26	35	35	34	43	43	44	30	24	28	39	50	32	37	30	28	28	25	20	26	36	45	39	37	45	59	55	54	..
Sergent	Maximum	63	49	51	53	52	63	72	71	68	58	42	55	69	72	74	65	57	..	..	..	..	..	..	45	59	54	64	64	63	59	51	..
	Minimum	32	31	25	25	39	25	24	25	52	32	26	17	29	45	40	38	30	30	28	24	23	18	17	21	50	35	45	31	28	25	39	..
Williamsburg	Maximum	63	65	56	53	56	65	70	72	65	50	43	55	64	75	71	55	58	57	40	38	39	45	58	59	55	54	64	64	63	59	51	..
	Minimum	41	33	27	27	37	27	28	31	47	31	24	21	35	44	51	38	37	30	28	29	25	18	21	39	39	47	34	29	48	35	..	37.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, etc., indicate respectively 1, 2, 3 etc., days missing from record.

W. B. Louisville, 10-28-26, 1:00

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., DECEMBER, 1926. No. 12

GENERAL SUMMARY.

Variable temperatures, with little sunshine and much wind, rendered the month disagreeable and unfavorable for the usual outdoor activities. Precipitation was relatively light in the first two decades and heavy to excessive in the last. Except for about a week of fair weather near the middle of the month, when the soil was hard frozen, conditions were decidedly unfavorable for moving corn and fodder out of fields. Even in this period the prevailing low temperatures were a hindrance to gathering corn. During the rainy spell later in the month, this work made no progress of consequence. As a result of the continued interference by unpropitious weather, it is estimated that at least one-third of the corn crop remained in the field at the end of the month. Deterioration of corn in shock and on the ground continued, especially in the frequent brief periods when temperatures rose above normal. The soaking rains late in the month saturated and settled the shocks and caused more standing corn to fall. Slow growth of winter grains continued at intervals in the first decade, but later on the plants were generally dormant. On account of the saturated condition of the soil, the freezes caused some lifting, but in general early sown wheat and rye remained in good condition. Late sown grains did not look so well, and seemed to suffer more from the freezes. Frequent periods of dampness favored handling tobacco, but dirt roads in exceedingly bad condition hindered marketing. Pastures furnished some grazing in the first half of the month, but full feeding was required in the last half. Floods in all streams of the State, caused by the excessive precipitation in the last decade, damaged lowland crops and carried away considerable corn.

TEMPERATURE.

The average temperature for the State, 43 stations reporting, was 37.8°, which is 0.2° above normal. In the first half of the month low and high temperatures alternated in periods of one to three days each. Rather sharp cold prevailed from the 14th to 18th, when minima ranging between 5° and 10° were registered at most stations. Extremes for the State were 75° on the 13th at Williamsburg, and 5° on the 16th at Hindman.

PRECIPITATION.

Precipitation for the State, based on reports from 80 stations, averaged 6.01 inches, which is 1.93 inches above normal. Light to moderate and generally local precipitation occurred in the period 5-13th. Moderate to excessive rains occurred almost daily from the 20th to 29, inclusive. In the south-central border counties and eastward in the southeastern mountain region, the total for the month ranged between 9.0 and 11.0 inches, about three-fourth of which occurred in the decade beginning with the 20th. In the remainder of the southern half of the State, amounts ranged from 6.0 to 9.0 inches. Precipitation diminished rapidly toward the Ohio River, varying generally between 3.0 and 5.0 inches in the northern counties. Eastern stations, mainly in the mountains, reported from 1.0 to 4.0 inches of snow. Precipitation extremes were 2.73 inches at Lockport, Henry County, and 11.31 inches at Burnside. The freezing and thawing, together with the heavy rains, caused marked injury to macadamized roads.

MISCELLANEOUS.

Dec. 25.—A sleet and ice storm caused much damage to [illegible] and wire systems in the northern and western counties.

Floods.—Heavy rains on the 21st and 22d caused freshets in headwater streams that in some cases produced record [illegible]

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. Inches reduced to sea level. Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.14	30.63	18	29.37	12	7405	10.0	51	n.	26
Cincinnati ..... Ohio	29.14	29.68	18	29.49	13	6243	8.5	26	w.	26
Evansville ..... Ind.	30.16	30.67	18	29.44	12	6234	8.5	36	w.	26
Lexington ..... Ky.	30.14	30.69	18	29.37	13	10644	14.3	38	s.w.	26
Louisville ..... Ky.	30.15	30.70	18	29.50	12	8625	11.6	33	w.	12

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Norm.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with. 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	84	74	54	139.6	309.1	45	9	16
Cincinnati ..... Ohio	86	78	58	89.4	266.3	34	6	12
Evansville ..... Ind.	86	74	55	77.2	266.3	29	6	9
Lexington ..... Ky.	84			72.2	266.3	27	5	9
Louisville ..... Ky.	80	75		90.6	266.3	34	4	10

LIBRARY OF THE
UNIVERSITY OF ILLINOIS
FEB 5 1927

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature. Monthly average	Departure from 35-year normal	Highest	Lowest	Precipitation. Monthly average	Departure from 35-year normal	No. of days with 0.01 or more fall
1892	36.2	- 1.6	76	13	1.67	- 2.71	
1893	37.8	+ 0.2	70	12	3.81	- 0.57	
1894	42.4	+ 4.8	70	15	4.16	- 0.22	
1895	34.6	- 3.0	74	3	4.22	- 0.16	
1896	33.3	- 4.3	68	10	2.69	- 1.69	
1897	38.7	+ 1.1	76	- 11	4.31	+0.28	
1898	36.9	+ 1.2	77	6	4.43	- 0.10	
1899	39.6	+ 2.0	73	7	1.82	- 2.71	
1900	37.0	+ 0.4	70	3	3.75	- 0.83	
1901	33.1	- 3.5	72	- 12	3.74	- 0.84	
1902	37.4	+ 2.8	70	- 15	4.26	+0.18	
1903	38.8	+ 1.0	70	- 12	2.59	- 1.49	
1904	36.9	- 5.3	72	- 23	4.90	+0.82	
1905	30.7	- 6.9	58	0	7.36	+3.28	
1906	35.4	- 1.2	70	- 2	4.10	- 1.26	
1907	37.3	- 0.3	76	11	4.64	- 1.72	
1908	39.0	- 1.4	76	- 8	5.64	- 0.72	
1909	38.5	+ 0.9	74	- 3	5.90	- 0.46	
1910	33.7	- 2.2	71	- 8	3.46	- 2.90	
1911	29.9	- 7.7	70	- 11	3.46	- 0.67	
1912	31.5	- 6.5	66	- 3	3.36	- 0.77	
1913	42.1	+ 4.0	74	11	6.36	+2.17	12
1914	37.2	- 0.1	73	11	3.35	- 0.84	
1915	37.0	- 1.0	74	- 3	4.33	- 1.86	
1916	32.8	- 4.8	70	26	2.33	- 1.85	
1917	37.0	- 0.6	74	5	3.37	- 1.14	
1918	33.3	- 2.1	72	14	4.33	- 1.48	
1919	29.6	- 11.1	74	14	4.33	+0.15	
1920	33.3	- 7.2	70	6	4.33	- 2.07	
1921	41.1	- 3.0	76	18	4.44	+0.36	
1922	34.6	- 3.6	74	5	5.93	+0.85	
1923	41.5	- 1.6	74	17	3.33	- 1.19	
1924	[illegible]	- 4.4	74	18	4.33	+0.82	
1925	[illegible]	- 3.3	74	17	4.33	- 0.18	
1926	[illegible]	- 1.7	75	5	4.33	+2.59	
1926	34.8	- 2.8	70	5	4.33	+1.59	
1926	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Climatological Data for December, 1926.

Stations	Counties	Elevation, feet.	Length of record, years	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	22	37.5	+ 0.4	70	4	10	15	31	4.17	+0.42	1.50	0	6	10	16	5	n.	Mrs. Lena F. Taylor.
Bandsville	Ballard	445	14	36.8	− 0.3	65	3	13	15†	34	5.93	+2.66	1.38	0.7	11	8	3	20	n.	E. W. Horr.
Calvert	Mclean	437	22	38.2	0.0	70	4	41	15	30	4.61	+0.36	1.59	T.	9	3	14	14	nw.	W. A. Taylor.
Earlington	Hopkins	420	36	37.9	− 0.2	66	3†	10	16	34	6.33	+2.62	2.45	T.	10	9	2	20	n.	Brick Southworth
Greenville	Muhlenburg	519	9	38.8	+ 0.1	74	3	7	16	42	3.10	+1.18	0.75	0	7	12	14	5	s.	C. R. Lovell.
Hopkinsville	Christian	524	30	38.6	+ 0.1	67	3	9	16	36	8.24	+3.46	2.49	0	10	2	6	23	ne.	W. E. Graves.
Marion	Crittenden	571	28	36.4	1.1	60	13	12	17	27	4.12	−0.10	1.00	1.0	6	7	3	21	nw.	B. C. Faris.
Mayfield	Graves	364	17	38.9	− 1.0	66	4	13	16	29	4.50	0.25	1.75	0.0	6	7	4	20	n.	Harry B. Arnold
Murray	Calloway	412	0	39.4	.....	69	3	9	16	39	8.46	.....	2.94	0.0	5	10	11	10	s.	Henry S. Berry.
Owensboro	Daviess	479	29	36.0	− 1.0	67	3	9	16	36	4.01	+0.21	1.32	T.	10	7	2	22	nw.	J. W. Lilley
Paducah near S	McCracken	316	9	38.6	1.0	67	8	13	15	29	5.68	+0.94	1.85	1.0	9	8	6	17	nw.	J. W. Lilley
Paducah	McCracken	341	37	.....	.....	.....	.....	.....	.....	.....	4.92	+1.16	1.30	1.0	10	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	359	19	36.9	− 1.5	63	4	10	16	28	5.48	+1.10	1.37	T.	11	7	3	21	n.	Dr. W. L. Cash
Princeton	Caldwell	384	9	.....	.....	.....	.....	.....	.....	.....	4.23	+0.39	1.15	T.	12	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2	Mclean	390	9	.....	.....	.....	.....	.....	.....	.....	7.92	+4.28	2.19	0	13	10	1	20	s.	Wm. Shelton.
Russellville	Logan	590	15	37.8	− 0.9	65	4?	11	16	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Anchorage	Jefferson	700	25	34.6	+ 1.0	65	13	10	16	33	4.54	+0.56	1.32	T.	10	7	5	19	nw	C. E. Barret.
Bardstown	Nelson	687	29	37.1	+ 1.4	69	3	9	16	35	5.20	+0.88	1.58	0	8	5	0	26	ne.	Mrs. Emily E. Sisco.
Bowling Green	Warren	500	37	39.0	+ 1.4	68	13	9	16	35	10.23	+5.69	2.18	0	10	6	9	16	w.	Mrs. Lallie G. Causey
Bowling Green, No. 2	Warren	469	1	.....	.....	.....	.....	.....	.....	.....	11.06	.....	2.68	0	14	.....	.....	.....	.....	J. Frank Thomas.
Brandenburg, Lock 6	Meade	410	9	.....	.....	.....	.....	.....	.....	.....	7.59	+2.92	1.67	T.	12	.....	.....	.....	.....	Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	773	33	.....	.....	.....	.....	.....	.....	.....	11.31	+7.02	2.65	T.	14	.....	.....	.....	.....	C. E. Bradshaw.
Burnside	Pulaski	422	27	.....	.....	.....	.....	.....	.....	.....	3.12	+0.12	0.77	0	13	.....	.....	.....	.....	Charlie Oliver.
Carrollton, Lock 4	Carroll	422	12	.....	.....	.....	.....	.....	.....	.....	4.74	0.08	0.81	T.	13	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	489	0	.....	.....	.....	.....	.....	.....	.....	3.30	.....	0.63	0.2	13	.....	.....	.....	.....	W. L. Patchell.
Cool Spring, Dam 56	Campbell	770	2	38.2	.....	68?	13	10?	16	36?	5.01	.....	1.12	0.0	13	14	0	17	.....	Geo. Henry Ellis.
Fox Dam, Bargin	Mercer	1177	32	40.5	+ 4.1	67	13	9	16	42	8.76	+4.89	2.10	0.0	12	6	5	20	s.	Mrs. Katie Payne.
Eubank	Pulaski	1100	34	38.6	+ 1.4	67	13	12	16	32	4.24	−0.65	0.89	T.	13	6	1	24	s.	Sidney Wood.
Frankfort	Franklin	569	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Josh. Blewett.
Franklin	Simpson	691	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Albert Patvis.
Glasgow	Barren	449	15	.....	.....	.....	.....	.....	.....	.....	4.04	−0.37	0.71	0.0	14	.....	.....	.....	.....	Dr. Fidelia Edwards.
Goat, Lock 3	Henry	780	6	38.6	.....	68	14	10	17	38	9.60	.....	3.00	0	7	16	5	10	s	Bert Ross.
Grant, Dam 38	Boone	506	3	.....	.....	.....	.....	.....	.....	.....	3.04	.....	0.80	1.0	10	.....	.....	.....	.....	.....
Greensburg	Green	581	33	38.8	+ 2.3	69	13	9	16	34	8.82	+4.66	2.00	T.	17	4	3	24	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	24	.....	.....	.....	.....	.....	.....	.....	5.44	+0.96	1.06	0.0	14	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	28	36.6	− 0.1	63	13	12	16	29	4.69	+0.77	1.32	T.	8	8	1	22	w.	W. J. Piggott.
Jacobus City	Boyle	985	32	37.8	+ 1.6	69	13	9	16	38	7.12	+2.59	1.95	T.	11	10	6	15	w.	William E. Grubbs.
Lancaster	Garrard	1032	0	.....	.....	.....	.....	.....	.....	.....	5.64	.....	1.04	0	13	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	665	30	37.4	+ 0.8	66	13	10	16	30	6.20	+1.37	2.00	T	10	7	8	16	nw.	H. B. Willis.
Lexington	Fayette	989	42	35.0	− 0.8	66	13	10	16	40	4.32	+1.00	1.31	0.2	12	3	9	19	sw.	U. S. Weather Bureau
Little Hickman, Lock 8	Jessamine	523	15	.....	.....	.....	.....	.....	.....	.....	5.90	+1.85	1.17	0	12	.....	.....	.....	.....	Horace Cantrer.
Loanhorst, Lock 2	Henry	476	16	.....	.....	.....	.....	.....	.....	.....	2.78	−1.53	0.69	0	13	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	53	35.2	2.4	64	13	12	16	39	3.71	−0.02	1.25	0.1	12	4	6	21	nw.	U. S. Weather Bureau.
Do. Cherokee Park	Do.	534	16	36.4	+ 0.2	65	13	12	16	29	3.67	0.78	.....	T.	9	6	7	18	n.	Wm. I. Hunt
Mandeville	Bard	600	1	.....	.....	.....	.....	.....	.....	.....	7.13	.....	1.35	0	12	.....	.....	.....	.....	C. R. Richardson.
Mt. Sterling	Montgomery	777	30	36.8	+ 1.4	69	13	8	16	31	4.27	0.28	0.92	T.	11	11	2	18	.....	Sisters of Loretto.
Mt. Vernon	Rockcastle	1100	0	.....	.....	.....	.....	.....	.....	.....	6.98	+2.10	1.90	0	13	.....	.....	.....	.....	Ernest M. Searcy.
Nelson, Lock 5	Hardin	490	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	L. B. Wilson
Nelson, Lock 5	Mercer	900	38	.....	.....	.....	.....	.....	.....	.....	5.13	+1.24	1.38	0.1	15	7?	2?	21?	n.	Miss Cath Ratta,
Nicholasville	Kenton	825	37	36.5	+ 1.5	68	13	9	15†	31	5.22	+0.82	1.30	T.	11	8	2	21	n.	E. D. Bourne
Owingsville	Shelby	789	24	37.2	+ 2.0	66	13	10	16	30	5.22	+0.82	1.30	0	7	.....	.....	.....	.....	H. K. Vaughn.
Paris	Bourbon	926	8	.....	.....	.....	.....	.....	.....	.....	4.27	0.16	1.30	0	7	.....	.....	.....	.....	.....
Paris	Bourbon	943	23	34.6	+ 1.1	60	3†	7	16	30	5.54	+0.63	0.78	2.0	12	5	4	22	nw.	Mrs. E. S. Humbong
Shelbyville	Shelby	800	37	.....	.....	.....	.....	.....	.....	.....	5.22	+0.82	1.30	T.	11	.....	.....	.....	.....	.....
Taylorsville	Spencer	189	24	37.2	+ 2.0	66	13	10	16	30	5.22	+0.82	1.30	0	7	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5	Anderson	526	8	.....	.....	.....	.....	.....	.....	.....	4.27	0.16	1.30	0	7	.....	.....	.....	.....	.....
Williamstown	Grant	943	23	34.6	+ 1.1	60	3†	7	16	30	5.54	+0.63	0.78	2.0	12	5	4	22	nw.	Mrs. E. S. Humbong
Woodbury, Lock 4	Butler	535	9	.....	.....	.....	.....	.....	.....	.....	7.49	+3.16	1.75	T.	11	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	9	38.0	− 1.3	70	13	11	16	59	5.08	+1.67	0.96	T.	13	4	1	26	w.	Curtis Curtis.
Beattyville	Lee	650	22	38.7	+ 3.0	71	13	9	16	32	7.59	+3.17	1.55	T.	15	4	6	21	s.	Robert S. Smallwood
Berea	Madison	1070	21	39.6	+ 3.0	70	13	10	16	42	6.66	+2.25	2.14	T.	13	2	12	16	sw.	Sister M. Mayfield.
Berea	Madison	1078	16	.....	.....	.....	.....	.....	.....	.....	6.58	+1.61	1.40	0	13	.....	.....	.....	.....	Lelly Walden
Big Hill, Lock 11	Madison	601	16	.....	.....	.....	.....	.....	.....	.....	4.57	+0.38	0.90	0.5	16	.....	.....	.....	.....	P. B. Kelso.
Cynthiana	Harrison	684	8	.....	.....	.....	.....	.....	.....	.....	3.42	+0.07	0.77	T.	12	5	7	19	se.	J. V. Oldham
Farmers	Rowan	600	37	.....	.....	.....	.....	.....	.....	.....	5.52	+1.33	1.10	0	10	9?	2?	19?	e.	Mrs. R. F. Stamper.
Farmers	Rowan	668	8	38.0	− 2.0	69?	13	9?	16	41?	5.52	+1.33	1.10	0	10	.....	.....	.....	.....	.....
Flemingsburg	Fleming	841	1	.....	.....	.....	.....	.....	.....	.....	5.60	.....	1.10	0	11	.....	.....	.....	.....	C. A. Claycock
Grassy Creek, Dam 30	Clark	593	10	.....	.....	.....	.....	.....	.....	.....	5.12	+1.29	1.18	0	14	.....	.....	.....	.....	John S. Waters.
Hazel Green	Wolfe	1000	1	.....	.....	.....	.....	.....	.....	.....	4.78	.....	0.86	0	15	.....	.....	.....	.....	ol. Frank Powers.
Jackson	Breathitt	589	1	.....	.....	.....	.....	.....	.....	.....	4.41	.....	0.77	0	15	.....	.....	.....	.....	T. Mitchell.
Jackson, Dam 30	Breathitt	540	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Agnes Farley
Jenkins	Letcher	1197	1	.....	.....	.....	.....	.....	.....	.....	10.63	.....	3.82	4.0	16	.....	.....	.....	.....	Chas. O. Brig.
Jenkins	Perry	869	2	.....	.....	.....	.....	.....	.....	.....	7.26	+2.59	1.45	0	13	.....	.....	.....	.....	S. C. Cole.
Louisburg, Lock 14	Lee	664	9	.....	.....	.....	.....	.....	.....	.....	7.47	.....	2.43	3.7	16	9	5	17	.....	Miss Lake Napier.
Morehead	Knott	1062	1	39.3	.....	68	13	5	16	32	8.36	.....	1.75	0	14	.....	.....	.....	.....	R R Davidson.
Mt. Olivet	Fleming	1100	1	.....	.....	.....	.....	.....	.....	.....	5.10	.....	1.18	0	14	.....	.....	.....	.....	Hassan Copley.
Neon	Letcher	1306	1	.....	.....	.....	.....	.....	.....	.....	6.47	+2.67	1.07	0	13	.....	.....	.....	.....	Perry E. Bennett
Olive Hill	Carter	564	22	.....	.....	.....	.....	.....	.....	.....	4.42	+0.29	0.84	0	13	7	2	22	s.	Matthew Woodson.
Paintsville	Johnson	824	29	37.4	+ 2.8	68	13	11	16	31	8.85	+4.08	1.68	0.1	11	12	8	11	.....	W. B. McKee.
Pikeville	Pike	1128	30	40.6	+ 2.2	64	5?	8	17	36	8.85	+4.08	1.68	T.	12	7	5	19	w.	W. B. McKee.
Pikeville	Pike	1125	3	40.7	.....	70	13	7	16	32	5.60	+0.80	1.62	T.	12	7	5	19	w.	Andrew M. Stanforth
Mount Sterling	Montgomery	940	36	35.9	1.0	67	12	7	16	32	3.42	.....	0.70	1.2	10	.....	.....	.....	.....	Robert Bygess.
Quicksand, Dam 35	Campbell	497	0	.....	.....	.....	.....	.....	.....	.....	7.64	+3.26	1.42	T.	14	.....	.....	.....	.....	J. C. Hall.
Riverside	Pike	630	20	.....	.....	.....	.....	.....	.....	.....	6.58	.....	1.45	0	8	.....	.....	.....	.....	R. W. Jones.
Rockhouse	Floyd	640	1	.....	.....	.....	.....	.....	.....	.....	9.45	.....	1.85	0.2	13	.....	.....	.....	.....	Wesley P. Bush.
Quicksand	Breathitt	782	1	40.2	.....	70	13	12	16	37	7.35	.....	1.08	0	11	.....	.....	.....	.....	I. W. Combs.
Rockhouse, Lock 17	Estill	631	8	.....	.....	.....	.....	.....	.....	.....	7.01	+3.06	1.75	0	12	8	2	21	.....	Mary Bockwell.
Rockhouse	Madison	695	35	39.0	+ 1.9	67	13	11	16	39	6.35	.....	2.50	2.0	16	11	9	11	n.	Miss Sullivan.
Salyersville	Letcher	1255	3	40.7	.....	70	13	7	16	49	6.34	+1.81	1.98	0	11	.....	.....	.....	.....	Chas. Sullivan.
Salyersville, Lock 19	Madison	541	13	.....	.....	.....	.....	.....	.....	.....	4.45	+0.57	1.00	0	11	.....	.....	.....	.....	D. M. Fetters
Sandy Hook, Dam 32	Lewis	825	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sandy Hook	Floyd	780	0	.....	.....	.....	.....	.....	.....	.....	10.5	.....	2.15	3.0	14	.....	.....	.....	.....	C. H. Zimmerman.
Sassafras	Letcher	1442	1	.....	.....	.....	.....	.....	.....	.....	11.76	17.45	2.46	T.	14	17	4	11	.....	Lucy Lee R. Cole.
Sassafras	Knott	1050	22	42.0	+ 2.2	75	13	6	16	35	11.76	17.45	2.46	T.	14	17	4	11	.....	Shelby Amos.
Sassafras, Lock 19	Knott	611	7	.....	.....	.....	.....	.....	.....	.....	6.24	.....	1.25	0	16	.....	.....	.....	.....	.....
State average and extremes				37.8	0.2	75	13	5	16	49	1.61	1.95	3.82	0.3	12	8	5	18	n.	

† Lowest on record. ? Record incomplete. ‡ Lone Oak.

V. Observations: Data are taken from self-registering thermometers.

Precipitation: The records from several localities are incomplete, owing mainly to the breaking of rain gauges by ice. Discrepancies between the Greenville, Paducah, and Woodbury records and those in the Ohio River and other Locks are due to the Kentucky River and to the omitting of rain or melted snow [illegible] Between dates, 5, 6, 7, appearing in the table indicate rainfall on the days missing for exposure; as in exposures two days, etc.

Barometer indexes, 5, 6, 7, appearing in the table indicate readings on days missing for exposure; as in exposures two days, etc. T. Precipitation is less than 0.01 inch rain or melted snow ‡ Lone Oak.

* Approximate dates. ? Record incomplete or estimated and [illegible]

† Lowest on record. Lock 5 Lawrenceburg, Ky.; Lock 6, Prestonville, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red Houses, Ky.; Scottsville, Ky.

Lock 5 Lawrenceburg, Ky.; Lock 6, Prestonville, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red Houses, Ky.; Scottsville, Ky.

[illegible] Dam 32 [illegible] Lock 19 [illegible] Dam 32 [illegible] Dam 30 [illegible] Dam 35 [illegible] Dam 38

Daily Precipitation for December, 1926.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G								.35			.20									1.50			.70	.55			.65				
Briensville	M				T.	.02		1.38				.11							.01	1.10	1.04		.10	.11	.74		.65	.65		T		
Calhoun	G							.46	T			.02	T						T	.51	1.55	.03		.44	.61	.47		.58		T		
Carrollton	G						T	.32	.10		.11									.55	2.45	.40		.45	.62	.60		.55		T		
Catlettsville	G						T.	.52	T			.12								.60				.45	.28	.69		.45				
Hardinsville	C							.08	.84	.04		.22												.65	.28	.69		.45		T		
Marion	O					T.				.59			.05							1.48	2.40			1.41	.81	.61		.84				
Maysville	M								1.10			.10									.85	1.10				.53			.73	T		
Marion	O								.97			.35								1.67	.75			.75	.25							
Owensboro	O				T.				.47			.10	T.								2.04			1.42				1.12				
Paducah (near) ¶	O	.05							1.08			.12								.70	1.35	.02			.41	.28	.11	.40	.30		T		
Paducah	O								.75	.08			T.							.70	.85			.37	.34	.05		1.10				
Pennyrile	G					T.	.11	.71	.01		.15	T.	T					T.	1.15	1.37	.02	T	.44	.60		.15	.75				T		
Ramsey, Lock No. 2	G		.03					.19	.17			.66								.43	1.15	.56		.46	.64	.60		.25	.52			
Russellville	G				.02		.03	.50	.15	.01		.57								.60	2.15	.82		1.25	.11	.51		.55				
Central Division																																
Anchorage	O			T.	.03		T	.02	.31	T.		.16								.61	1.32	.03		.23	.25			.82	T.			
Bardstown	S				.04				.43			.27								.55	1.10			.10	.25							
Bowling Green	G				T.			.10	1.20	.02		.45								.65	1.55			.10	1.20			.71				
Bowling Green, No. 2	G				.07			.11	.49	.84		.68	.72							2.00	2.18			1.85	1.42		1.00				.02	
Brownsville, Lock No. 6	G					.03			.10	.44			.40							.32	2.65	1.05		1.62	.63	.83		.76	.35			
Burnside	C				T.	.06		.26	2.81	1.00		.15	.72		T					.65	1.65	1.09		1.42	.52	.55		.44	.75	T		
Carrollton (Lock No. 1)	K				.06	.01		.01		.17	T.		.03							.05	2.65	1.36		1.65	1.17	.68		.65	.48			
Covington	O				.11			.01	.26	.30		T.	.11							.55	.45	.52	T	.06	.64	.77		.20	.45			
Cecil Springs, Dam 36	K				.17	.01		.11	T.	.32	T		.18					T.		.31	.31	.48	.01	.25	T.	.63		.21	.31	T.		
Dix Dam, Bargin	K			.05				.09	.05	.37	T		.39							.38	.94	1.32	T.	.60	.43	.74		.40	.35	T.		
Eubank	C								.23	.60		.35	.65							.25	2.10	1.25	1.08	.05	.95			.70	.37			
Franklin	G				.05	T		T.	.05	.25	T.	.03	.15							.32	.75	.85		.22	.55	.85		.15	.43	T.	T.	
Georg. Lock No. 3 ¶	K				.01			.04	.03	.26	T.	T.	.12	.02						.17	.60	.71		.25	1.2	.70	T.	.18	.70			
Glasgow	G								.80			.40								2.00	3.00			2.40	1.00	.30						
Grand Detours	O				.10		T.	.03		.31	T	.55									.11	.53		.05		.80	T	.17	.35			
Hog Bridge, Lock No. 7	K				.02	.01		.02	.05	.36			.22							.90	2.10	.28	.02	1.45	1.20	.58		1.62	.05		.01	
Irvington	O				.13		T.	T.	.57	T.		.13	T.	T.						.35	1.05	1.06		.58	.95	.78		.27	.42			
Junction City	K				.13			.10	.25			.47								.62	1.32	T.		.25	.92			.75	T.		T	
Lancaster	K		.02					.02	.02	.20			.55							.85	1.95	.55		.55	1.40	.16		.75	T.			
Leitchfield	G				T.			.05	.20	T.		.20								.22	1.04	.91		.50	.40	.53		.50	.33			
Lexington	K		.01	.11		.02	T.	.29	T.	T		.33							.05	.75	2.00	.10		.75	1.00	.15		.80	T.		T	
Little Hickman, Lock No. 8	K			.08	T.		T.	.10	.25	T.										.60	1.14	.01		.62	.53		T.	.64	T.		T.	
Lockport, Lock No. 2	K		.02			.02	.03	.16	T.	T.		.18	.50							.41	1.63	1.17		.70	.20	.77		.20	.40			
Louisville	O		T.	.01	T.		.02	.27	T.			.13							.37	.60	.36		.19	.11	.38		.05	.16	T.		T
Mc. Cheroque Park	G			.10		T.	.02		.29				.10						.00	.47	1.13	T.	.01	.14	.82		.00	.50	T.		T.
Munfordville	G						.04	.60	.09			.50									*	1.74			*	.75			T.	.60		T	
Nelson	K						.05	.32	.02		.60	.10								.40	1.35	1.16		.95	.33	.64	T.	.60	.48			
Ohio, Lock No 6	K			.15	.15		T	.20	.38			.40	T							.30	.60		.15	.20	.93	T		.92	T.	T	T	
Olney	L																			.25	1.05	1.96		.10	.20	.75		.45	.92			
Owensville	S				.09			.05	.39	.02		.68	.12							.60	1.98	.67	.01	.41	.82	.30		.74	.02			
Paducah	S								.40			.15	.10							.55	1.30	.20		.46	.75	.20	.18	.87				
Pikeville	L				.14		T.		.36			.30								1.30	.82			.70				.65			T.	
Woodbury, Lock No. 1	G				.01			.02	.27			.09	.09							.44	.78	.26			.72	.16		.70	.03			
Eastern Division						T.		T.	.24	.47			.42							.52	1.75	.94		1.22	.22	.81		.12	.48			
Ashland	O																															
Barbourville	K				.15	.21		.03		.25			.64							.29	.79	.56		.10	.28	.82		.31	.25			
Beattyville	K				.11	.04			.07	.65	.01		.53	T.						.18	1.10	.55		.22	.60	1.37		.39	.55	.03		
College Hill, Lock No. 11	K				.08		.10		.45	.02		.24	.28	T.						.34	2.14	.29		.75	1.12	.33		.55	T.		T	
Cynthiana	L	.02			.05	.07		.12	T.	.35		.05	.52							.90	.57	1.40	T.	.85	.50	.95		.32	.35	T.		
Frankfort	L				.10	.02		.08	.05	.25		.08	.20							.45	.72	.60		.24	.26	.70	T.	.18	.45			
Germantown	L				.07			.03		.25	T.		.10							.24	.68	.53		.15	.12	.77		.18	.43			
Jackson	L	1.10			.20				.35			.40								.25	1.00			.35	.50		.52	.25				
Lock No. 10	K				.30			.50	.30		.40									.50		1.10	.20	.20	.40	.60		.70				
Madison	O				.05	.03		.01	.02	.34	T	T	.33							.40	.85	1.18	T.	.41	.50	.73		.22	.25	T.		
Meeting, Dam 30	O				.08	.05		.06	.16	.08		.13	.31							.25	.80	.76		.14	.35	.85		.34	.14			
Milton	K				.15	.20		.01	.02	.30	.01		.27							.27	.70	.77		.18	.15	.76		.21	.34			
Morehead	K			T.	.11	T				.87	T.					T.	T.			.23	.82	1.46	T.		1.16	1.42		.82	.98			
Nicholasville, Lock No. 14	K				.04	.15		T.	.08	.71			.65							.25	1.15	1.45		.38	.82	1.06		.56	.50			
Oneida	K			.02	.02			.17	.70	.09		.25				.20	.17			.36	2.43	.44		.91	1.25	.10		1.05	.68			
Orkas	K				.08			.26	.10	.74		.58	.04	.22							1.52	1.75				.84	.54		.72	.77	.05		
Paris	K				.13		.20			.25		.35	.62							.95	.56	1.07		.18	.75	.70		.41	.46			
Pebbleboro	C				.01	.17		.01	T.	.20	T		.25							.38	.81	.66		.16	.15	.68		.14	.39	T.		
Point Sterling	L							.23	1.68			.40	.45							.65	.77	.18		1.68	1.02	.38		1.68				
Rockcastle Dam 35	O				.29			.09	.50	.42		.20								.46	1.62	.18		.61	.79	.66		.44	T.		T	
Sweet Lick	K				.08			T.		T.	.48	T.	.14							.27	.93	.62		.21		.76		.12	.58			
Tenfoldtown	B					.12		.16	.12	.68		.32	.86	T.	T					.78	.68	.22		1.01	.42	.52		.18	.58			
Wiesand	K					.26				.58	T		.70							T.	.76	1.45			1.27	.45			.60			
Wayne, Lock No. 12	K				.20			.10	T.	.76		T.	.60	.05						.40	1.25	1.88	.75	.55		.55		.60	1.21	T		
Wildwood	K			.10			T.	T.		.94	T.	T.	.33							.15	1.60	1.08		.62	.44	.50		.38	.35			
Wingo	K			.55					.38	T.		.55		.20						.15	1.75	.40		.52	1.05			.40	.26	T.	.20	
Valley View, Lock No. 9	K			.20				.15	.76			.55			.20					.50	2.50	.35	.10	.30	.25	.35		.10	.10	.10	.05	
Zanesville, Dam No. 32	K			.12				.08	.60			.40	.10							.74	1.38			.62	.72			.98	.62			
Zoneland	B									.23	.03		.20							.40	1.00	.70			.10	.21	.75	.20	.40			
Zubenbarg	K					T.		.06	.12	.80		.30	.52		.07					.31	1.40	2.15		.40	1.50	.85		.60	1.83			
Zillhardsburg	K			T.				.30	.11	1.03		.20	.58		.10					.11	2.04	2.00		.75	1.70	.60		.63	.77			
Zillow, Lock No. 13	K				.06					.77				.50						.26	1.05	1.26		.07	.70		.66	.75	.40			

§ Record of rainfall was interrupted by frozen conditions.

Hours of observation.

(7-8 a. m. on mark-ed.) Regular Weather Bureau stations; precipitation is for fixed hour period, midnight to midnight.

Precipitation observed in the morning; amount recorded is for the preceding 24 hours. * Precipitation observed in the next following observation.

; separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

In southeastern Kentucky was interrupted in many places. Parts of Corbin, Pineville, Harlan, Hazard, and other mountain towns were flooded. No accurate estimate of damage could be obtained, but it is believed to exceed $100,000 in the entire district. The lower Cumberland was in flood and still rising at the close of the month.

Errata for November, 1926. Anchorage: clear, 11; cloudy, and cloudy days, December 10-14-6, should be 10-14-5. Brandenburg: clear, 9; cloudy, and cloudy days, December 9-13-8, should be 9-12-9. Owensboro: clear, 11; cloudy, and cloudy days, December 7-7-16, should be 8-8-14.

Daily Temperatures for December, 1926.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	45	45	66	70	60	39	42	58	45	40	55	58	64	42	28	35	45	39	48	48	50	45	50	51	40	34	40	40	25	44	45	46.8
	Minimum	24	20	35	50	36	35	30	30	38	20	31	35	35	19	14	16	20	19	19	39	42	23	36	37	28	25	29	23	24	16	32	28 7
Blandville	Maximum	44	47	65	62	52	37	37	46	41	38	48	61	60	26	28	31	45	38	47	51	49	42	50	50	30	32	33	35	33	47	41	44.0
	Minimum	31	25	40	52	34	30	31	41	35	35	30	42	26	16	13	14	25	19	26	41	42	35	36	29	26	13	25	32	21	20	33	29.6
Calhoun	Maximum	44	42	67	70	61	38	39	55	43	39	56	59	65	35	26	35	45	41	48	49	48	42	51	52	36	32	34	36	31	45	44	46.0
	Minimum	36	24	37	49	38	29	31	39	37	35	31	38	35	18	14	11	21	15	22	40	40	35	35	36	30	23	27	32	23	16	37	30.5
Earlington	Maximum	46	42	66	68	62	39	39	56	42	40	49	60	66	32	24	34	41	37	49	51	50	48	50	54	33	28	35	37	33	46	42	45.6
	Minimum	28	28	38	55	35	29	32	41	37	36	33	37	32	18	14	10	26	19	20	43	42	35	35	33	26	24	28	33	21	15	34	30.2
Evansville	Maximum	48	42	74	64	62	42	59	57	46	42	55	59	56	44	32	38	47	42	49	54	54	47	51	53	40	36	39	42	37	46	48	48 5
	Minimum	34	32	52	51	36	27	33	40	36	33	28	34	36	36	13	7	20	18	17	39	41	33	34	29	21	27	32	20	18	30	30	29.2
Greenville	Maximum	44	43	71	67	61	40	43	57	45	41	52	59	61	36	29	35	46	41	50	51	52	47	52	54	36	33	36	39	34	47	43	47.4
	Minimum	31	32	51	50	37	28	32	42	37	34	28	36	30	18	15	9	19	20	31	41	44	44	48	50	50	42	37	36	31	33	31	32 5.2
Hopkinsville	Maximum	45	47	67	66	60	42	57	66	45	40	61	60	66	36	29	35	46	41	50	51	52	47	48	53	40	34	33	31	26	15	25	31	33	29.7
	Minimum	31	24	33	49	37	28	32	42	37	34	28	36	30	18	15	9	19	20	31	41	44	44	48	50	50	42	37	36	31	33	31	32 5.2
Marion	Maximum	47	45	45	56	55	38	40	43	47	40	37	48	60	56	32	22	34	44	44	48	50	50	42	57	56	51	26	17	25	31	33	29 5
	Minimum	35	26	38	39	31	28	32	40	40	34	34	30	38	32	15	19	12	25	17	24	42	40	35	35	32	24	15	24	30	24	19	34
Mayfield	Maximum	55	48	65	66	62	39	58	59	46	39	51	62	63	46	30	30	47	46	49	51	50	45	49	54	39	30	33	35	35	47	46	47 5
	Minimum	35	25	30	51	37	24	35	43	35	36	30	38	38	17	14	13	24	21	25	41	42	35	36	34	22	16	28	25	25	20	38	30.3
Murray	Maximum	46	57	69	65	65	48	58	58	57	40	58	68	62	33	33	37	45	42	52	51	51	52	57	54	47	38	37	39	36	48	41	49.8
	Minimum	32	24	30	41	38	22	32	41	36	33	27	31	31	18	15	9	20	22	17	41	42	36	37	31	30	17	26	33	22	17	31	28.9
Owensboro	Maximum	44	38	67	57	51	39	57	57	41	41	47	57	64	30	27	32	38	41	47	48	45	44	47	52	31	30	34	36	32	45	39	44.4
	Minimum	32	24	34	44	37	26	30	38	34	33	28	35	28	13	10	9	19	18	21	40	37	32	36	28	28	24	25	22	15	26	27	27.6
Paducah (near)	Maximum	51	49	66	62	61	38	58	67	44	40	51	62	69	36	27	37	45	42	47	51	53	44	52	53	33	31	33	34	33	48	44	47.2
	Minimum	36	25	39	51	37	30	35	43	35	35	30	39	38	16	13	14	25	17	24	42	40	35	35	32	24	15	24	30	24	19	34	30.1
Princeton	Maximum	46	44	62	63	60	38	60	62	42	39	48	60	62	35	25	33	42	37	48	48	48	44	51	49	35	29	33	34	34	40	39	44 8
	Minimum	32	24	34	51	38	28	32	40	35	34	28	37	35	16	13	16	26	18	21	40	40	34	33	34	28	19	25	30	25	17	30	29.0
Russellville	Maximum	44	44	64	65	60	43	55	51	44	38	49	59	65	29	28	33	42	38	48	49	48	39	52	51	35	30	41	42	29	43	40	45.3
	Minimum	32	24	34	51	38	28	32	40	35	34	28	37	35	16	13	16	26	18	21	40	40	34	33	34	28	19	25	30	25	17	30	29.0
Smithland	Maximum	44	44	64	65	60	43	55	51	44	38	49	59	65	29	28	33	42	38	48	49	48	39	52	51	35	30	41	42	29	43	40	45.3
	Minimum	32	24	34	51	38	28	32	40	35	34	28	37	35	16	13	16	26	18	21	40	40	34	33	34	28	19	25	30	25	17	30	29.0
Tompkinsville	Maximum	48	48	68	68	62	40	57	58	46	42	52	62	66	32	28	34	43	40	49	50	50	45	49	54	39	30	33	35	35	47	46	47 6
	Minimum	35	25	39	51	37	24	35	43	35	36	30	38	38	17	14	13	24	21	25	41	42	35	36	34	22	16	28	25	25	20	38	30.3
Warsaw	Maximum	46	57	69	65	65	48	58	58	57	40	58	68	62	33	33	37	45	42	52	51	51	52	57	54	47	38	37	39	36	48	41	49.8
	Minimum	32	24	30	41	38	22	32	41	36	33	27	31	31	18	15	9	20	22	17	41	42	36	37	31	30	17	26	33	22	17	31	28.9
Williamstown	Maximum	44	38	67	57	51	39	57	57	41	41	47	57	64	30	27	32	38	41	47	48	45	44	47	52	31	30	34	36	32	45	39	44.4
	Minimum	32	24	34	44	37	26	30	38	34	33	28	35	28	13	10	9	19	18	21	40	37	32	36	28	28	24	25	22	15	26	27	27.6
Winchester	Maximum	51	49	66	62	61	38	58	67	44	40	51	62	69	36	27	37	45	42	47	51	53	44	52	53	33	31	33	34	33	48	44	47.2
	Minimum	36	25	39	51	37	30	35	43	35	35	30	39	38	16	13	14	25	17	24	42	40	35	35	32	24	15	24	30	24	19	34	30.1
Central Division.																																	
Auburn	Maximum	41	34	64	55	51	36	56	52	39	37	45	54	65	32	24	34	40	32	45	45	44	39	49	50	36	31	37	36	31	38	35	42.3
	Minimum	23	23	34	25	31	26	27	39	35	34	30	29	32	18	12	10	18	15	15	38	28	34	36	26	31	23	25	31	22	14	28	27 0
Bardstown	Maximum	43	38	69	48	60	38	57	52	46	42	41	55	68	41	34	32	42	36	49	48	48	46	47	51	38	35	42	41	31	41	39	45.1
	Minimum	30	23	34	36	31	26	27	35	37	35	35	36	36	20	12	9	21	21	17	40	35	32	35	32	29	23	27	31	23	15	31	29.1
Bowling Green	Maximum	44	40	65	65	60	42	57	58	45	45	51	66	68	43	29	35	46	39	48	50	48	50	53	52	51	35	43	43	37	43	41	47.6
	Minimum	33	30	30	47	39	29	28	48	38	38	30	32	42	20	16	9	19	21	28	35	38	33	35	38	35	25	27	35	26	15	30	30.4
Dix Dam	Maximum	41	38	68	58	...	40	57	56	54	53	40	45	52	68	54	30	30	40	...	49	48	48	...	48	52	52	...	43	45	40	38	39	46.9
	Minimum	32	25	34	...	36	26	28	42	38	35	35	31	38	18	16	11	...	17	40	43	...	35	44	38	...	28	34	25	18	34	30.6
Eolia	Maximum	51	38	63	58	57	61	60	55	54	52	53	57	67	64	60	31	38	55	47	49	50	58	55	50	47	46	43	38	38	37	46	50.1
	Minimum	31	22	35	48	45	38	25	46	39	35	33	32	49	22	24	9	13	22	16	37	35	37	34	35	26	25	36	25	25	16	32	30.9
Falmouth	Maximum	33	37	64	59	55	35	58	57	45	40	46	53	67	55	30	29	39	37	48	48	44	47	53	47	37	42	43	36	32	48	40	45.8
	Minimum	34	25	35	42	36	29	27	44	37	36	36	33	52	21	18	12	20	18	19	40	41	37	38	42	34	26	28	35	23	19	34	31.3
Frankfort	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Franklin	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Glasgow	Maximum	50	43	64	60	50	50	56	54	43	56	40	41	57	68	59	56	48	43	36	49	50	48	56	55	31	50	48	40	51	48	43	50.0
	Minimum	30	23	34	34	28	29	37	43	30	28	20	30	35	45	21	19	10	21	18	21	30	20	28	20	26	30	32	28	19	18	15	27.1
Greensburg	Maximum	48	38	65	62	52	38	57	55	50	49	47	56	69	47	30	32	41	37	49	49	52	50	48	52	48	42	43	41	37	41	42	47.2
	Minimum	28	24	34	50	36	28	26	34	38	34	34	27	45	21	18	9	15	16	15	38	43	35	35	43	32	26	27	35	24	18	31	29.9
Hardyville	Maximum	43	38	62	58	56	37	56	53	41	39	46	57	63	34	25	31	42	35	45	47	48	42	51	51	35	32	41	38	32	44	43	46.0
	Minimum	29	28	36	42	33	27	30	41	36	35	34	27	42	18	15	12	24	16	26	29	40	38	38	37	29	25	27	32	24	17	32	29.6
Horse Cave	Maximum	44	37	64	61	59	36	56	52	44	39	48	56	66	36	27	34	40	35	47	47	48	44	51	53	36	32	37	39	33	46	42	47 9
	Minimum	30	26	34	46	33	27	30	41	36	35	34	27	41	20	15	10	21	17	23	42	43	35	36	36	32	24	26	26	22	16	32	28.6
Hudson City	Maximum	39	32	66	46	53	37	53	53	43	38	44	54	66	36	27	33	43	35	47	47	48	46	48	51	40	33	40	38	33	43	42	46	74.6
	Minimum	31	25	34	46	33	27	30	41	36	35	34	27	41	20	15	10	21	17	23	42	43	35	36	36	32	24	26	26	22	16	32	28.6
Leitchfield	Maximum	44	37	64	61	59	36	56	52	44	39	48	56	66	36	27	33	43	35	47	47	48	46	48	51	40	33	40	38	33	43	42	46	74.6
	Minimum	31	25	35	48	35	29	29	42	36	35	32	36	36	19	15	10	21	20	19	38	41	35	34	36	31	25	27	35	25	16	31	29.4
Litchfield	Maximum	44	44	61	58	57	34	54	56	42	36	42	53	66	29	24	26	36	29	46	47	47	47	48	50	37	41	46	39	36	46	43	48.0
	Minimum	34	25	37	37	27	24	33	37	36	33	33	36	36	16	11	10	22	17	23	38	38	45	39	48	51	33	28	38	30	31	40	37	42 3
Lexington	Maximum	43	36	63	56	54	37	56	52	39	37	45	56	64	39	29	29	33	32	46	48	45	39	48	51	33	28	38	38	31	40	37	43	74.2
	Minimum	28	26	36	36	36	26	28	35	35	36	36	26	25	17	13	12	24	17	19	39	39	35	37	33	27	24	26	31	20	17	30	28 2
Louisville	Maximum	38	26	63	60	53	35	55	55	43	39	44	54	65	41	27	28	40	30	47	46	47	43	48	50	36	34	38	38	34	39	39	43 7
	Minimum	34	26	33	49	33	26	27	41	35	35	26	33	33	15	13	12	23	16	17	38	38	34	34	34	28	24	27	32	24	17	32	29 1
Louisville (Bureau Pk.)	Maximum	41	26	63	60	53	35	55	55	43	39	44	54	65	41	27	28	40	30	47	46	47	43	48	50	36	34	38	38	34	39	39	43 7
	Minimum	34	26	34	49	33	26	27	41	35	35	26	33	33	15	13	12	23	16	17	38	38	34	34	34	28	24	27	32	24	17	32	29 1
Madison	Maximum	41	26	63	60	58	40	57	56	51	38	50	56	69	42	29	33	38	38	47	48	48	43	48	50	36	34	38	38	34	39	39	43 7
	Minimum	29	23	35	36	34	25	22	28	36	33	33	35	40	17	15	8	16	18	16	38	37	35	34	32	30	25	28	31	23	15	31	28 3
Mount	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Nashville	Maximum	53	54	70	64	57	50	55	54	43	42	46	54	68	37	29	41	41	34	46	46	47	41	48	52	41	36	39	39	36	38	39	44 9
	Minimum	33	30	33	38	32	30	29	35	36	34	35	28	44	18	9	6	18	18	15	37	38	31	36	34	32	26	31	33	26	23	28	28 1
Nashville	Maximum	42	36	63	57	57	47	55	54	45	40	45	54	66	39	29	36	40	35	45	46	46	42	48	52	40	36	38	38	35	38	38	45 2
	Minimum	32	30	33	38	32	30	29	35	36	34	35	28	44	18	9	6	18	18	15	37	38	31	36	34	32	26	31	33	26	23	28	28 1
Nashville	Maximum	42	36	63	57	57	47	55	54	45	40	45	54	66	39	29	36	40	35	45	46	46	42	48	52	40	36	38	38	35	38	38	45 2
	Minimum	32	30	33	38	32	30	29	35	36	34	35	28	44	18	9	6	18	18	15	37	38	31	36	34	32	26	31	33	26	23	28	28 1
Nat. Agricultural	Maximum	39	29	61	58	56	39	55	52	38	33	41	52	63	31	23	29	36	32	43	43	43	38	46	49	34	30	34	36	30	40	39	42 7
	Minimum	28	19	31	35	31	22	28	33	31	32	28	33	31	14	14	7	19	10	15	31	36	27	33	32	28	24	24	31	17	11	31	27 0
Owensboro	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Owensboro	Maximum	44	38	67	57	51	39	57	57	41	41	47	57	64	30	27	32	38	41	47	48	45	44	47	52	31	30	34	36	32	45	39	44 4
	Minimum	32	24	34	44	37	26	30	38	34	33	28	35	28	13	10	9	19	18	21	40	37	32	36	28	28	24	25	22	15	26	27	27 6
Paducah	Maximum	51	49	66	62	61	38	58	67	44	40	51	62	69	36	27	37	45	42	47	51	53	44	52	53	33	31	33	34	33	48	44	47 2
	Minimum	36	25	39	51	37	30	35	43	35	35	30	39	38	16	13	14	25	17	24	42	40	35	35	32	24	15	24	30	24	19	34	30 1
Pembroke	Maximum	44	44	64	65	60	43	55	51	44	38	49	59	65	29	28	33	42	38	48	49	48	39	52	51	35	30	41	42	29	43	40	45 3
	Minimum	32	24	34	51	38	28	32	40	35	34	28	37	35	16	13	16	26	18	21	40	40	34	33	34	28	19	25	30	25	17	30	29 0
Princeton	Maximum	46	44	62	63	60	38	60	62	42	39	48	60	62	35	25	33	42	37	48	48	48	44	51	49	35	29	33	34	34	40	39	44 8
	Minimum	32	24	34	51	38	28	32	40	35	34	28	37	35	16	13	16	26	18	21	40	40	34	33	34	28	19	25	30	25	17	30	29 0
Russellville	Maximum	44	44	64	65	60	43	55	51	44	38	49	59	65	29	28	33	42	38	48	49	48	39	52	51	35	30	41	42	29	43	40	45 3
	Minimum	32	24	34	51	38	28	32	40	35	34	28	37	35	16	13	16	26	18	21	40	40	34	33	34	28	19	25	30	25	17	30	29 0
Smithland	Maximum	44	44	64	65	60	43	55	51	44	38	49	59	65	29	28	33	42	38	48	49	48	39	52	51	35	30	41	42	29	43	40	45 3
	Minimum	32	24	34	51	38	28	32	40	35	34	28	37	35	16	13	16	26	18	21	40	40	34	33	34	28	19	25	30	25	17	30	29 0
Tompkinsville	Maximum	48	48	68	68	62	40	57	58	46	42	52	62	66	32	28	34	43	40	49	50	50	45	49	54	39	30	33	35	35	47	46	47 6
	Minimum	35	25	39	51	37	24	35	43	35	36	30	38	38	17	14	13	24	21	25	41	42	35	36	34	22	16	28	25	25	20	38	30 3
Warsaw	Maximum	46	57	69	65	65	48	58	58	57	40	58	68	62	33	33	37	45	42	52	51	51	52	57	54	47	38	37	39	36	48	41	49 8
	Minimum	32	24	30	41	38	22	32	41	36	33	27	31	31	18	15	9	20	22	17	41	42	36	37	31	30	17	26	33	22	17	31	28 9
Williamstown	Maximum	44	38	67	57	51	39	57	57	41	41	47	57	64	30	27	32	38	41	47	48	45	44	47	52	31	30	34	36	32	45	39	44 4
	Minimum	32	24	34	44	37	26	30	38	34	33	28	35	28	13	10	9	19	18	21	40	37	32	36	28	28	24	25	22	15	26	27	27 6
Winchester	Maximum	51	49	66	62	61	38	58	67	44	40	51	62	69	36	27	37	45	42	47	51	53	44	52	53	33	31	33	34	33	48	44	47 2
	Minimum	36	25	39	51	37	30	35	43	35	35	30	39	38	16	13	14	25	17	24	42	40	35	35	32	24	15	24	30	24	19	34	30 1

Temperatures read in the morning; the maximum temperature given read is, however, to the preceding day, on which it also almost always occurs.

Dashes indicate respectively 1, 2, 3 etc., days missing from record.

NKE

LIBRARY OF THE
FEB 25 1927
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXI LOUISVILLE, KY., ANNUAL, 1926. No. 13

GENERAL SUMMARY.

The special features of the year's weather were the precipitation deficiency in the first six months; the cold spring and early summer; the persistent rains in late summer and autumn; and the abnormal cloudiness in the last five months. Although the temperature for the year averaged near normal, decided periodic irregularities appear in the records of most months. Except for a warm February, temperatures below normal predominated in the first half of the year. March was colder than February, and the April mean ranked among the low records for that month. The low temperatures, continuing through the first half of May, delayed planting and caused vegetation to start slowly. Precipitation was below normal in every month from January to June, inclusive. This was favorable for winter grains, grass, and clover, since the well drained condition of the soil reduced to a minimum the injury by lifting freezes. With the advent of summer and the increasing dryness of the soil, plowing became difficult, germination uncertain, and growth irregular. Dwarfing tendencies appeared in corn, potatoes, oats, gardens, and small fruits. The crops of quick development, such as potatoes, oats, and strawberries were seriously injured. By the end of May well defined drought conditions existed in the western counties. Pastures deteriorated, and even deeply rooted forage crops were affected. The backwardness of corn and tobacco indicated late maturity for a large proportion of both crops. This was more serious in the western than in the eastern counties. From late in July to October, inclusive, temperatures above normal and frequent, often excessive, rains changed entirely the character of the season. Belated crops revived; and, owing to the late date of killing frost, mostly matured in time. Persistent rains in August, September, and October interfered with harvesting the crops and caused considerable damage. Tobacco in barns was injured by sweating, while corn in shock dried too slow and molded extensively. In October the soil was almost continuously too wet for seeding, therefore completion of this work was not possible within the usual period. A large proportion of grain was sown late. November and December were cold, cloudy, wet, and generally unfavorable. Corn gathering progressed haltingly because of muddy fields and frequent spells of inclement weather, while shocked and fallen corn continued to deteriorate. The dampness was favorable for handling tobacco. Heavy rains in the latter half of December caused disastrous floods in headwater streams.

The Weather By Months.

JANUARY.—Temperatures were variable and precipitation was irregularly distributed. Two cold waves brought temperatures near zero to most districts. Warm spells caused complete thaws that resulted in damage to roads. Winter grains were protected by snow during a part of the cold weather, especially in the eastern counties.

FEBRUARY.—Frequent sharp changes in temperature, with deep thawing followed by lifting freezes, caused some damage to winter grains and clover. Temperatures averaged above normal, but the quick changes to colder kept vegetation generally dormant. Although frequent, precipitation was below the seasonal average.

MARCH.—In the main the month was unseasonably cold and persistently unfavorable for outdoor work. Vegetation remained backward and but little planting was done. Because of the light precipitation, the better soils remained well drained and grains were only slightly damaged by freezes.

APRIL.—Temperatures almost continuously below normal retarded growth and caused much planting to be deferred. Fruit buds were damaged by freezes. Rains delayed plowing in some northern districts, but the light to moderate precipitation did not impede farm work in other sections.

MAY.—Low temperatures during the first two weeks continued to hold back vegetation, but late in the month drought became the most important retarding feature. Dry soil hindered plowing and planting, and interfered with germination of seeds planted late in the month.

JUNE.—The month was generally unfavorable for warm weather crops. Most tobacco was transplanted in the first two weeks. Except in the south-central counties precipitation was deficient, and crops of quick growth were seriously injured by drought. Wheat made satisfactory progress, but ripened somewhat late.

JULY.—Drought became worse, with marked deterioration of crops, in the western half of the State. Good rains in the last week relieved the drought in most districts. Precipitation was generally sufficient in the eastern counties.

AUGUST.—Temperatures were favorable, but excessive moisture and persistent cloudiness delayed maturity of crops in northern and eastern districts. The rains were generally beneficial in the drier western localities. Pastures became fine.

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature.				Precipitation	
	Mean.	Departure	Highest.	Lowest.	Average.	*Departure.
1889	55.6	−0.9	101	3	35.97	− 0.77
1890	57.1	+0.6	101	4	38.82	+ 2.08
1891	56.3	−0.2	105	0	49.69	+ 3.95
1892	55.3	−1.2	101	− 6	44.25	− 1.49
1893	55.5	−1.0	101	−22	44.71	− 1.03
1894	57.1	+0.6	105	−12	34.81	−10.93
1895	55.0	−1.5	104	−18	38.47	− 7.27
1896	57.6	+1.1	106	12	44.68	− 1.06
1897	57.2	+0.7	107	−16	46.72	+ 0.98
1898	57.2	+0.7	103	−12	52.38	+ 6.64
1899	56.4	−0.1	105	−32	46.38	+ 0.64
1900	57.7	+1.2	104	− 9	44.40	− 1.34
1901	55.3	−1.2	112	−22	35.65	−10.09
1902	56.5	0.0	107	− 3	44.35	− 1.39
1903	55.8	−0.7	104	− 16	41.16	− 4.58
1904	55.3	−1.2	106	− 9	35.10	−10.64
1905	55.8	−0.7	106	−16	47.68	+ 1.94
1906	57.0	+0.5	100	−12	48.84	+ 3.10
1907	56.1	−0.4	102	−11	47.76	+ 2.02
1908	55.7	−1.2	104	− 2	41.94	− 3.80
1909	56.5	0.0	104	−14	51.56	+ 5.62
1910	55.3	−1.2	100	−20	50.67	+ 4.93
1911	58.0	+1.5	106	−16	46.77	+ 1.03
1912	54.9	−1.9	100	−20	42.95	− 2.79
1913	56.9	+1.4	109	− 2	47.46	+ 1.72
1914	56.3	−0.2	109	−16	41.80	− 3.94
1915	56.2	−0.3	102	0	51.92	+ 6.18
1916	56.2	−0.3	102	−14	45.49	+ 0.25
1917	53.5	−3.0	100	−21	46.01	+ 0.27
1918	56.5	0.0	111	−20	40.64	− 5.10
1919	57.9	+1.4	104	− 1	52.13	+ 6.39
1920	55.5	−1.0	100	− 6	46.80	+ 1.16
1921	60.1	+3.6	106	11	49.42	+ 3.68
1922	58.5	+2.0	103	1	44.43	− 1.31
1923	57.1	+0.6	99	− 4	53.92	+ 8.18
1924	55.0	−1.5	103	− 9	42.68	− 3.06
1925	57.6	+1.1	110	− 9	41.11	− 4.63
1926	56.1	−0.4	107	−11	49.95	+ 4.21

*Compared with 35 years' normal.

Climatological Data for the Year 1926.

Stations	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit). Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Precipitation (inches). Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	Number of days. With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	Prevailing direction of wind.
WESTERN DIVISION																				
Beaver Dam	Ohio	441	23	57.2	102	July 20†	3	Jan. 23	24	45.27	5.85	Oct.	1.90	July	10.0	86	204	83	78	w.
Blandville	Ballard	445	45	57.1	100	July 3	3	Jan. 23	48	47.43	11.04	Aug.	1.74	Feb.	7.8	98	a123	a104	a137	sw.
Calhoun	McLean	437	23	56.9	100	July 3	− 1	Jan. 23	24	45.05	7.70	Aug.	1.55	July	10.2	104	91	130	84	nw.
Carlington	Hopkins	420	37	57.9	103	July 2†	0	Jan. 23	37	45.70	8.24	Aug.	1.71	Sept.	12.0	103	204	41	120	sw.
Greenville	Muhlenburg	519	10	57.9	103	July 3†	3	Jan. 23	10	45.22	6.14	Oct.	1.26	May	.....	111	b201	b111	b45	s.
Hopkinsville	Christian	524	31	58.5	107	July 3	6	Jan. 23	31	50.25	8.24	Dec.	1.21	May	3.7	107	139	72	154	se.
Marion	Crittenden	571	29	58.0	105	July 4	0	Jan. 23	30	34.18	4.64	Aug.	0.82	May	12.0	66	131	114	120	nw.
Mayfield	Graves	364	18	58.7	100	July 20	7	Jan. 23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	sw.
Owensboro	Daviess	479	30	55.4	101	July 3	− 5	Jan. 23	30	42.98	8.26	Oct.	0.92	May	8.0	114	152	67	146	nw.
Paducah (near)	McCracken	516	10	58.9	104	July 3	1	Jan. 23	10	43.41	10.60	Aug.	1.11	Mar.	6.5	81	207	66	92	se.
Paducah	McCracken	341	.....	.....	.....	.....	.....	.....	38	39.29	8.16	Aug.	0.83	July	6.5	.....	.....	.....	.....	.....
Princeton	Caldwell	529	20	56.3	99	July 2	2	Jan. 23	22	51.67	12.63	Aug.	1.50	June	7.5	119	a120	a112	a132	s.
Rumsey, Lock 2	McLean	384	.....	.....	.....	.....	.....	.....	10	42.13	6.37	Oct.	1.28	May	12.0	109	.....	.....	.....	.....
Russellville	Logan	590	16	56.6	102	July 4†	7	Jan. 23	16	48.23	7.92	Dec	0.65	May	4.3	112	a185	a24	a137	s.
CENTRAL DIVISION.																				
Anchorage	Jefferson	700	26	54.0	102	July 3†	− 8	Jan. 23	26	39.19	6.95	Aug.	1.19	June	17.7	111	d169	d91	d101	sw.
Bardstown	Nelson	637	30	56.2	104	July 20	0	Jan. 23	30	44.29	7.60	Oct.	1.19	May	11.3	112	132	83	200	sw
Bowling Green	Warren	560	38	57.8	103	July 2†	7	Jan. 23	39	58.81	10.23	Dec.	0.56	May	7.2	122	142	125	98	w.
Bowling Green No. 2	Warren	.....	.....	.....	.....	.....	.....	.....	2	60.24	11.06	Dec.	0.78	May	.....	.....	.....	.....	.....	.....
Brownsville, Lock 6	Edmonson	410	.....	.....	.....	.....	.....	.....	10	60.55	12.32	Aug.	0.80	May	7.0	119	.....	.....	.....	.....
Burnside	Pulaski	775	.....	.....	.....	.....	.....	.....	36	60.51	11.31	Dec.	2.02	July	7.5	119	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	422	.....	.....	.....	.....	.....	.....	28	51.16	8.87	Aug.	1.63	Nov.	.....	141	.....	.....	.....	.....
Cloverport	Breckenridge	422	.....	.....	.....	.....	.....	.....	13	46.48	8.03	Oct.	0.17	May	14.6	132	.....	.....	.....	.....
Cold Spring	Campbell	.....	.....	.....	.....	.....	.....	.....	1	57.71	8.19	Aug.	2.05	Nov.	.....	136	.....	.....	.....	.....
Dix Dam, Burgin	Mercer	770	3	.....	100	July 19†	5	Jan. 14†	3	46.78	6.20	Aug.	2.11	Feb.	11.5	136	.....	.....	.....	.....
Eubank	Pulaski	1,177	33	56.3	100	July 26	− 2	Jan. 14	33	58.05	9.21	Aug.	2.36	Mar.	11.5	100	143	82	140	s.
Frankfort	Franklin	560	35	56.0	99	July 3†	2	Jan. 14	38	42.85	8.47	Aug.	1.80	Nov.	11.4	126	157	38	170	sw.
Gest, Lock 3	Henry	449	.....	.....	.....	.....	.....	.....	16	45.83	9.42	Aug.	0.87	May	.....	138	.....	.....	.....	.....
Glasgow	Barren	780	6	57.9	104	July 20†	0	Nov. 22	.....	.....	.....	.....	.....	.....	.....	.....	.....	203	55	106	s.
Grant, Dam 38	Boone	506	.....	.....	.....	.....	.....	.....	2	47.97	7.49	Aug.	1.39	Nov.	10.5	138	.....	.....	.....	.....
Greensburg	Green	581	34	55.1	96	July 20	2	Jan. 14	38	62.62	9.02	Aug.	1.70	July	11.5	162	74	32	259	s.
High Bridge, Lock 7	Jessamine	850	.....	.....	.....	.....	.....	.....	25	52.30	7.52	Aug.	2.34	April	13.5	133	.....	.....	.....	.....
Irvington	Breckinridge	646	29	55.9	100	July 3†	− 2	Jan. 23	29	42.83	6.66	Aug.	1.71	June	10.4	104	148	73	144	sw.
Junction City	Boyle	.....	33	.....	99	July 20	− 6	Jan. 14	.....	.....	.....	.....	.....	.....	14.3	.....	.....	.....	.....	s.
Lancaster	Garrard	985	.....	.....	.....	.....	.....	.....	1	48.78	7.17	Aug.	2.01	May	6.0	122	.....	.....	.....	.....
Leitchfield	Grayson	645	31	56.4	100	July 20	5	Jan. 23	31	56.51	8.65	Oct.	1.46	May	9.0	105	106	166	93	sw.
Lexington	Fayette	989	43	53.8	97	July 21	5	Jan. 23	39	47.61	7.46	Oct.	1.54	April	19.5	140	128	113	124	sw.
Little Hickman, Lock 8	Jessamine	523	.....	.....	.....	.....	.....	.....	16	53.83	7.32	Aug.	1.97	Mar.	12.5	121	.....	.....	.....	.....
Lockport, Lock 2	Henry	476	.....	.....	.....	.....	.....	.....	17	40.70	7.20	Aug.	1.24	June	16.8	134	.....	.....	.....	.....
LOUISVILLE	Jefferson	525	54	55.4	101	July 21	3	Jan. 23	54	42.79	6.89	Aug.	0.86	June	13.8	128	90	136	139	s.
Do. Cherokee Park	Hart	.....	17	55.2	96	July 3	3	Jan. 23	18	43.17	7.61	Oct.	1.20	May	12.2	123	130	106	129	sw.
Munfordville	Jefferson	534	.....	.....	.....	.....	.....	.....	4	53.51	9.72	Aug.	0.62	May	8.3	122	.....	.....	.....	.....
St. John	Hardin	777	31	55.4	100	July 3	− 1	Jan. 23	31	54.76	9.22	Aug.	0.44	May	13.0	124	205	52	98	.....
Salvisa, Lock 6	Mercer	490	.....	.....	.....	.....	.....	.....	13	63.95	9.60	Oct.	2.37	May	.....	123	.....	.....	.....	.....
Scott	Kenton	960	29	.....	95	July 21	− 5	Jan. 29	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shelbyville	Shelby	825	38	54.7	104	July 21	− 4	Jan. 23	38	45.44	7.25	Aug.	2.12	Mar.	16.9	139	e127	e53	e182	n.
Taylorsville	Spencer	489	25	54.6	100	July 21	− 2	Jan. 14†	25	42.82	6.37	Oct.	2.16	June	11.5	131	f133	f68	f154	sw.
Tyrone, Lock 5	Anderson	526	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Williamstown	Grant	943	24	53.8	99	July 21	− 4	Jan. 23	24	48.84	6.29	Aug.	1.78	Nov.	26.2	142	109	119	137	w.
Woodburn, Lock 4	Butler	533	.....	.....	.....	.....	.....	.....	10	50.99	8.11	Aug.	0 52	May	7.4	118	.....	.....	.....	.....
EASTERN DIVISION.																				
Ashland	Boyd	534	10	55.7	99	July 22	5	Jan. 29	10	43.68	6.07	Oct.	2.20	Mar.	13.0	145	125	25	217	sw.
Beattyville	Lee	650	23	55.9	101	July 20†	− 4	Jan. 14	24	55.22	9.46	Aug.	2.28	Mar.	11.5	154	a94	a110	a160	w.
Berea	Madison	1,070	25	55.4	98	July 20†	4	Jan. 14	25	54.36	7.01	Aug.	2.65	Mar.	18.6	147	64	169	132	sw.
College Hill, Lock 11	Madison	601	.....	.....	.....	.....	.....	.....	17	57.70	9.18	July	1.38	May	19.8	154	.....	.....	.....	.....
Cynthiana	Harrison	684	.....	.....	.....	.....	.....	.....	9	43.37	6.35	Aug.	1.05	May	13.3	135	.....	.....	.....	.....
Falmouth	Pendleton	600	.....	.....	.....	.....	.....	.....	38	50.27	8.15	Aug.	1.63	Nov.	12.0	128	139	76	150	se.
Farmers	Rowan	668	19	.....	101	July 21	−11	Jan. 14	.....	.....	.....	.....	.....	.....	.....	.....	f163	f60	f136	e.
Flemingsburg	Fleming	.....	.....	.....	.....	.....	.....	.....	1	47.31	7.81	Aug.	2.11	June	.....	.....	.....	.....	.....	.....
Ford, Lock 10	Clark	593	.....	.....	.....	.....	.....	.....	11	53.45	10.70	July	1.75	May	15.7	138	.....	.....	.....	.....
Grayson	Carter	.....	.....	.....	.....	.....	.....	.....	1	42.42	8.21	Oct.	1.63	April	23.0	133	.....	.....	.....	.....
Greenup, Dam 30	Greenup	540	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heidelberg, Lock 11	Lee	664	.....	.....	.....	.....	.....	.....	10	53.58	8.30	Aug.	2.39	April	11.0	130	.....	.....	.....	.....
Jenkins	Bell	.....	.....	.....	.....	.....	.....	.....	1	52.01	8.36	Dec.	2.08	April	.....	152	.....	.....	.....	.....
Louisa	Lawrence	584	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maysville	Mason	524	30	54.8	99	July 21	− 1	Jan. 14	30	45.33	9.13	Aug.	1.56	Nov.	16.8	139	115	91	159	s.
Middlesboro	Bell	.....	30	55.9	103	July 20	− 4	Jan. 14	30	52.55	8.86	Dec.	2.48	April	8.2	115	238	80	47	.....
Mount Sterling	Montgomery	930	37	54.0	98	July 20†	− 1	Jan. 14	37	54.00	7.90	Oct.	1.97	Feb.	.....	.....	.....	.....	.....	w.
Oppossum, Dam 35	Campbell	497	.....	.....	.....	.....	.....	.....	5	60.32	12.23	Aug.	1.97	Nov.	19.7	114	.....	.....	.....	.....
Pikeville	Pike	636	.....	.....	.....	.....	.....	.....	21	41.17	8.00	July	1.18	Sept.	7.0	106	.....	.....	.....	.....
Prestonburg	Floyd	640	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Quicksand	Breathitt	.....	1	56.2	101	July 21	0	Jan. 14	1	58.38	9.17	Dec.	2.00	April	16.2	116	.....	.....	.....	.....
Ravenna, Lock 12	Estill	641	.....	.....	.....	.....	.....	.....	9	53.66	9.36	Aug.	1.99	April	.....	111	.....	.....	.....	.....
Richmond	Madison	926	36	56.3	100	July 21	8	Jan. 23	36	49.07	7.01	Dec.	2.31	Mar.	11.8	130	e156	e66	e137	.....
Sargent	Letcher	1,235	4	56.7	101	July 21	5	Jan. 13	4	44.82	6.35	Dec.	1.99	April	18.5	142	d179	d108	d74	nw.
Valley View, Lock 9	Madison	541	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vanceburg, Dam 32	Lewis	525	.....	.....	.....	.....	.....	.....	12	30.02	4.90	Feb.	1.34	July	.....	105	.....	.....	.....	.....
Whitesburg	Letcher	.....	.....	.....	.....	.....	.....	.....	1	47.72	10.55	Dec.	1.03	June	18.0	111	.....	.....	.....	.....
Williamsburg	Whitley	939	30	57.9	102	July 20†	8	Jan. 14	32	57.73	11.83	Aug.	2.43	Jan.	6.4	110	252	47	66	.....
Willow, Lock 13	Lee	611	.....	.....	.....	.....	.....	.....	8	49.79	7.07	Aug.	1.92	April	8.6	90	.....	.....	.....	.....

All temperature data are taken from self-registering thermometers.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.
† Also on other dates.

SEPTEMBER.—Temperatures above normal favored the growth of retarded crops; but frequent and heavy rains interfered with outdoor work, especially harvesting tobacco. Late crops grew very sappy and matured slowly.
OCTOBER.—Conditions rains delayed fall work. With the soil generally too wet, preparation of fall grains went on intermittently. Pastures continued in luxuriant condition. Late vegetables suffered from lack of sunshine and excessive moisture.

NOVEMBER.—Temperatures were changeable but generally low. Cloudy, windy, rainy weather, rendered the month unfavorable for outdoor work. Corn was seriously damaged in shock, and gathering was much delayed.
DECEMBER.—Heavy rains in the latter half caused serious floods in all streams of the State. Corn gathering was delayed and damage in shock continued. The damp weather favored handling tobacco.

Monthly and Annual Precipitation for the Year 1926, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Beaver Dam	4.75	+0.48	2.05	-1.13	2.70	-1.54	4.20	+0.08	2.85	-1.38	3.38	+0.21	1.90	-2.08	5.56	+2.25	2.36	-0.32	5.85	+3.05	5.50	+2.82	4.17	+0.42	45.27	+2.26
Blandville	4.01	-0.62	1.74	-2.79	2.65	-1.98	4.30	-0.23	1.89	-2.35	2.03	-2.38	2.52	-1.37	11.04	+7.90	2.24	-0.91	4.38	+1.38	4.70	+0.63	5.95	+2.00	47.42	0.67
Calhoun	4.11	-0.77	2.14	-1.12	2.36	-2.36	4.12	-0.47	2.13	-1.83	3.24	0.35	1.55	-2.67	7.70	+4.65	2.08	-0.78	6.52	+3.13	4.54	+1.06	4.61	+0.36	48.16	1.50
Lexington	3.52	-0.96	2.88	-0.72	2.28	-2.60	3.97	-0.40	2.13	-2.58	3.18	-0.25	3.23	-0.87	8.24	+5.69	1.71	-0.98	5.17	+2.66	3.46	-0.08	6.33	+2.52	45.76	0.17
Greenville	4.50	+0.16	3.42	+0.08	3.22	-1.73	3.96	-0.91	1.26	-2.66	3.96	-0.11	3.37	+0.23	6.66	+1.74	2.20	-0.61	6.14	+2.08	4.15	+0.16	3.16	-1.18	46.22	0.36
Hopkinsville	5.63	+0.44	1.27	-2.42	3.54	-1.49	2.72	-1.68	1.21	-2.85	2.74	-1.54	4.13	+0.20	6.84	+3.40	2.97	-0.18	7.20	+4.16	3.76	-0.42	8.24	+3.66	50.35	1.64
Marion	4.24	-0.39	2.15	-0.89	2.10	-2.50	2.48	-2.10	0.82	-3.44	1.06	-2.52	2.00	-1.56	4.64	+1.42	2.17	-0.76	3.92	+1.38	4.48	+0.76	4.12	-0.10	34.18	10.74
Mayfield	4.65	+0.62	1.85	-1.79	.....	.....	2.70	-1.85	.....	.....	3.14	+0.29	1.90	-2.12	8.64	+5.32	2.90	-0.19	4.60	+2.07	3.67	-0.71	4.56	-0.25	.....	.....
Murray	.....	.....	.....	.....	.....	.....	2.73	.....	2.80	.....	1.62	.....	2.97	.....	6.14	.....	1.32	.....	5.23	.....	3.78	.....	8.16	.....	.....	.....
Owensboro	3.47	-0.62	1.79	-1.46	2.59	-1.95	3.71	-0.85	0.92	-2.79	3.36	-0.39	2.40	-0.97	4.77	+1.41	3.53	+0.6	8.26	+4.98	4.17	+0.71	4.01	+0.21	42.98	1.27
Paducah (near)	4.25	.....	2.45	.....	3.45	.....	.....	.....	1.11	-3.06	2.13	-1.75	1.43	-1.47	10.60	.....	2.78	-0.48	2.48	-1.81	4.60	+0.31	5.68	+0.94	43.41	.....
Paducah	3.50	-1.13	1.88	-1.73	2.44	-1.95	4.03	-0.30	1.01	-2.80	3.19	-1.33	0.83	-3.15	8.16	+4.88	1.88	-1.66	3.29	+0.61	4.16	+0.06	4.92	+1.16	39.29	6.44
Princeton	3.28	-0.97	2.16	-2.03	2.95	-2.20	4.37	+0.37	2.51	-2.10	1.50	2.07	0.26	+2.42	12.63	+9.31	2.80	-0.18	4.78	+2.29	2.95	1.17	5.48	1.10	51.67	3.19
Ramsey, Lock No. 2 †	4.39	+0.78	2.13	-0.59	2.14	-2.48	3.73	-0.49	1.28	-2.56	3.44	-0.35	1.52	-0.88	5.15	+0.86	4.44	+1.05	6.37	+2.66	3.91	0.64	4.23	+0.39	42.13	2.35
Russellville	4.25	-0.97	1.77	-1.90	4.40	-1.00	3.10	-1.74	0.65	3.24	4.12	-1.17	2.24	2.33	7.22	+4.56	2.04	0.96	6.58	+4.10	3.94	+0.82	7.92	+4.28	48.23	.....
CENTRAL DIVISION.																										
Anchorage	3.84	-0.24	1.79	-1.05	2.08	-2.16	3.17	-0.83	1.36	-2.48	1.19	-2.44	3.26	-1.18	6.95	+3.66	2.86	+0.20	6.17	+3.12	1.98	-0.97	4.54	+0.56	39.15	4.41
Bardstown	3.85	-0.87	1.25	-2.39	2.54	-2.15	2.53	-1.45	1.19	2.45	3.38	0.71	3.06	-0.85	7.45	+3.70	3.43	+0.58	7.05	+4.78	2.80	-0.56	5.26	-0.88	44.29	-1.93
Bowling Green	5.65	-1.01	2.90	-1.77	4.04	-0.88	3.22	-1.04	0.56	-3.69	2.53	-1.34	4.29	-0.17	9.34	+5.57	3.91	+0.57	7.65	+4.83	4.59	+0.78	10.23	+5.69	58.41	+10.79
Do. No. 2	5.09	.....	3.23	.....	4.95	.....	4.01	.....	0.78	.....	.....	.....	4.73	.....	9.76	.....	2.86	.....	6.28	.....	4.47	.....	11.06	.....	60.24	.....
Brownsville, Lock No 6*	4.82	.....	2.52	-1.68	4.25	-2.06	3.93	-1.14	0.89	-4.70	7.07	-3.17	2.08	-1.02	12.32	+8.22	4.17	+0.49	6.41	+2.72	4.29	-0.26	7.89	+2.92	60.85	.....
Carrollton, Lock No. 1	3.60	-0.64	4.44	+1.56	2.13	-1.20	5.27	+2.09	2.90	1.14	3.86	+0.21	4.27	+0.87	8.87	+6.05	5.14	+2.31	5.59	+3.94	1.63	1.30	3.12	+0.12	60.51	11.18
Cloverport	3.68	-0.46	4.04	+1.41	2.38	-1.88	3.67	-0.38	0.17	-3.76	5.03	+0.95	1.96	-1.93	7.03	+3.21	2.72	+0.11	5.03	+3.47	3.09	-0.54	4.74	0.18	52.16	12.87
Cold Spring, Dam 36	2.24	.....	5.14	.....	2.64	.....	5.96	.....	3.52	.....	2.83	.....	7.10	.....	8.19	.....	4.03	.....	6.71	.....	2.05	.....	3.36	.....	57.71	.....
Dix Dam, Burgin	4.03	.....	2.11	.....	3.09	.....	2.69	.....	2.37	5.03	.....	4.63	.....	6.20	.....	2.66	.....	4.58	.....	3.48	.....	5.91	.....	46.78	.....
Eubank	4.28	-0.19	3.15	-0.71	2.36	-2.62	3.51	-0.39	2.46	-1.92	3.77	-0.31	4.40	-0.14	9.21	+4.87	5.64	+2.13	5.56	+2.78	5.01	+1.84	8.76	+4.89	58.05	+10.23
Frankfort	4.07	-0.06	3.15	-0.41	1.97	-2.73	2.95	-0.78	1.97	-1.84	2.82	-0.58	3.74	-0.37	8.47	+4.79	2.06	-0.80	5.61	+3.14	1.80	-1.61	4.24	+0.65	42.85	-1.40
Franklin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fres. Lock No. 3	3.01	-1.10	3.22	+0.16	2.68	-1.70	3.77	-0.18	0.87	-2.38	3.22	0.81	3.92	-0 10	9.42	+5.49	4.35	+1.25	5.37	+2.18	1.96	-1.14	4.04	-0.37	45.83	-0.72
Glasgow	.....	.....	2.84	.....	3.52	.....	2.63	.....	1.65	.....	6.20	.....	3.50	.....	9.05	.....	2.40	.....	8.44	.....	3.88	.....	9.60	.....	.....	.....
Grant, Dam 3	2.26	.....	5.52	.....	2.31	.....	5.67	.....	2.11	.....	3.26	.....	5.72	.....	7.49	.....	4.66	.....	4.60	.....	1.39	.....	3.04	.....	47.97	.....
Greensburg	5.06	+0.55	3.06	-0.96	4.12	-0.91	2.60	-1.25	3.09	-1.20	5.64	+1.19	1.70	-2.89	9.02	+5.12	6.24	+3.18	8.84	+6.08	4.43	-1.02	8.82	+4.66	62.62	14.59
High Bridge, Lock No. 7	4.57	+0.18	2.53	-0.72	3.00	-1.44	2.34	-1.42	2.62	-1.23	4.73	+0.81	4.12	+0.60	7.52	+3.47	3.87	+0.90	7.19	+4.21	3.57	+0.40	5.44	+0.96	52.50	6.72
Irvington	3.09	-1.33	3.36	+0.03	2.67	-1.93	3.71	-0.31	2.57	-0.84	1.71	-2.28	1.85	-1.36	6.66	+3.00	3.33	+0.44	6.46	+3.70	2.74	+0.61	4.69	+0.71	42.83	0.94
Junction City	5.44	+0.45	3.66	-0.68	3.09	-2.08	3.86	-0.08	2.70	-1.39	5.54	-1.83	7.03	+2.73	8.21	+4.66	6.24	+3.18	.....	.....	5.57	+2.33	7.12	+2.59	.....	.....
Lancaster	4.45	.....	2.98	.....	2.84	.....	2.26	.....	2.01	.....	5.29	.....	3.63	.....	7.17	.....	*4.66	.....	4.50	.....	4.55	.....	5.04	.....	48.78	.....
Leitchfield	4.10	-0.55	2.30	-1.18	3.30	-1.68	2.70	-1.68	1.46	-2.64	6.15	+2.42	6.10	+2.15	7.00	-3.21	4.10	+0.63	8.65	+5.92	4.35	-0.39	6.20	+1.37	56.51	9.18
Little Hickman, Lock 8.	4.41	-0.33	2.67	-0.58	1.97	-2.01	2.87	-0.72	2.29	-1.42	4.32	+0.15	6.26	+2.10	7.32	+2.37	4.66	+1.16	7.63	+4.18	4.13	-1.43	5.90	+1.85	53.83	5.53
Louisville	3.48	-0.96	3.21	+0.59	2.43	-2.04	3.99	-0.31	1.32	-2.11	1.24	3.30	3.60	-0.47	7.26	+3.04	4.96	+2.23	5.31	+2.21	1.23	-1.68	2.73	-1.53	53.83	7.94
Do (Cherokee Park).	3.73	-0.17	2.75	-1.00	2.66	-1.66	4.30	+0.23	1.84	-1.80	0.56	-3.37	2.73	-1.01	6.89	+3.38	5.34	+2.71	6.15	+3.52	1.83	-2.35	3.71	-0.42	40.76	4.26
Lunsford	3.21	-1.16	2.63	-0.19	2.76	-1.65	3.32	-1.14	1.20	-2.53	2.00	-1.76	2.89	-1.22	6.85	+2.89	4.07	+0.93	7.61	+4.46	1.93	-1.33	3.67	-0.78	42.79	1.54
Mt. John	4.89	.....	2.64	.....	4.35	.....	2.50	.....	0.62	.....	9.39	.....	2.58	.....	9.72	.....	1.62	.....	5.27	.....	2.86	.....	7.13	.....	53.51	.....
Nelvisa, Lock No. 6	4.43	-0.08	3.82	+0.16	3.42	-1.57	2.91	-1.27	0.43	-3.68	4.86	+0.83	3.91	+0.42	9.22	+5.37	4.49	+1.49	9.48	+6.65	3.45	-0.68	4.27	-0.28	53.76	6.60
Olcott	4 87	+0.37	2.43	-0.78	2.52	-0.63	3.46	-0.31	2.37	0 84	6.89	+2.33	5.59	+1.18	9.46	+5.98	5.36	+2.24	9.60	+7.16	4 41	+1.82	6.99	-2.10	69.56	-21.42
Phelpsville	2.76	-1.33	5.04	+2.29	2.33	-1.11	6.14	+2.96	4.21	+0.15	2.39	-1.20	5.94	+2.60	8.47	+4.60	4.10	+1.47	6.79	+3.96	1.59	-1.26	.....	.....	.....	.....
Taylorsville	3.83	-0.43	4 69	+0.89	2.12	-2.59	3.08	-0.64	2.22	-1.90	2.32	2.14	3.40	-0.76	7.25	+3.89	3.63	+0.18	5.91	+2.49	2.46	-0.95	5.18	-1.24	45.44	0.34
Tyrone, Lock No. 5	4.26	-0.29	2.50	-0.96	2.22	-2.42	2.35	-2.02	2.16	1.42	2.16	-2.14	3.58	-0.69	4.18	+0.31	4.48	+1.30	6.37	+3.40	3.29	-0.04	5.22	+0.82	42.82	4.42
Williamstown	3.59	.....	.....	.....	.....	.....	4.60	.....	.....	.....	1.74	.....	7.26	.....	6.65	.....	4.54	.....	6.52	.....	2.94	-0.26	4.27	0.16	.....	.....
Woodbury, Lock No. 4†	3.80	+0.17	4.45	+1.72	3.00	-1.38	4.56	-1.23	2.83	-0.73	4.05	+0.21	5.51	+1.83	6.29	-2.10	3.79	+0.73	5.34	+2.43	1.78	-0.95	3.54	-0.68	48.84	-7.39
EASTERN DIVISION.	4.24	.....	2.54	-1.02	4.36	-1.08	3.41	-1.13	0.52	-2.92	4.12	+0.44	2.63	-0.53	8.11	+3.61	2.76	-0.16	7.37	+3.65	3.44	-0.65	7.49	-3.16	50.96	.....
Ashland	4.04	-0.57	4.67	+1.01	2.20	-1.79	2.62	-0.71	2.74	-1.21	2.87	-0.67	5.67	+1.62	3.17	-1.10	2.24	-0.67	6.07	+3.38	2.91	-0.67	5.08	+1.67	43.68	-0.29
Beattyville	4.62	-0.12	3.40	-0.47	2.28	-2.80	2.33	-1.82	2.79	-1.38	3.12	-1.42	5.19	+0.43	9.46	+4.98	5.65	+2.58	5.14	+1.79	3.74	+0.80	7.50	+3.17	55.22	+5.74
Berea	5.22	+0.47	2.89	-0.22	2.65	-2.11	2.94	-0.75	3.33	-0.73	3.69	0.86	4.44	-0.1	7.01	+2.43	5.71	+2.85	5.57	+2.49	4.25	+1.15	6.66	+2.29	54.56	6.86
College Hill, Lock No. 12	4.39	-0.65	3.50	+0.84	3.24	-0.92	2.99	-0.27	1.38	-2.59	3.66	-0.25	9.18	+5.34	7.35	+3.03	4.28	+0.81	7.77	+4.43	3.54	+0.82	6.28	+1.64	57.76	+11.58
Cynthiana	4.24	.....	3.72	.....	2.63	.....	1.90	.....	1.05	.....	3.13	.....	4.15	.....	6.85	.....	3.38	-0.23	5.92	+2.62	2.33	-0.99	4.57	-0.38	43.37	.....
Falmouth	3.51	-0.19	4.43	+1.12	2.52	-1.57	3.87	+0.47	2.80	-0.87	5.12	+0.95	6.22	+2.48	8.15	+4.62	2.71	+0.25	5.83	+3.39	1.63	-1.54	3.42	+0.07	50.27	-9.11
Farmers	.....	.....	3.15	+0.15	.....	.....	2.08	-2.02	4.53	+0.70	1.54	-2.73	5.75	+1.09	8.10	+3.68	1.83	-1.17	8.81	+5.87	4.11	+1.65	5.52	+1.33	.....	.....
Flemingsburg	3.16	.....	3.94	.....	2.81	.....	2.82	.....	3.76	.....	2.11	.....	2.44	.....	7.81	.....	2.72	.....	6.65	.....	3.49	.....	5.60	.....	47.51	.....
Ford, Lock No. 10	3.59	-1.18	2.54	-0.27	2.60	-1.32	2.36	-1.57	1.75	1.24	4.52	-0.94	10.70	+5.99	6.70	+2.24	4.44	+0.80	5.80	+3.87	3.27	+0.36	5.12	-1.29	53.35	.....
Grayson	4.11	.....	2.77	.....	2.22	.....	1.63	.....	2.04	.....	2.23	.....	4.93	.....	4.63	.....	1.59	.....	8.21	.....	2.88	.....	4.78	.....	42.42	.....
Greenup, Dam 30	3.23	.....	3.88	.....	.....	.....	2.54	.....	1.90	.....	3.63	.....	5.26	.....	4.88	.....	3.11	.....	5.13	.....	2.31	.....	4.44	.....	.....	.....
Harlan	.....	.....	3.22	.....	.....	.....	.....	.....	.....	.....	2.37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hazard	4.41	.....	3.61	.....	3.26	.....	1.98	.....	5.62	.....	3.62	.....	10.72	.....	7.06	.....	5.70	.....	.....	.....	4.27	.....	10.63	.....	.....	.....
Heidelberg, Lock No 14	4.21	.....	2.61	.....	2.66	.....	2.39	-0.39	2.75	-1.13	3.07	-1.05	5.19	+0.77	8.50	.....	5.36	+1.85	5.73	+1.94	4.12	+0.62	7.29	-2.59	59.58	.....
Hindman	.....	.....	3.91	.....	3.07	.....	2.40	.....	3.50	.....	.....	.....	6.67	.....	6.51	.....	.....	.....	5.62	.....	4.57	.....	7.47	.....	.....	.....
Jenkins	3.92	.....	4.81	.....	3.52	.....	2.08	.....	5.47	.....	2.40	.....	4.10	.....	7.02	.....	1.74	.....	8.19	.....	5.40	.....	8.36	.....	62.01	.....
Louisa	3.88	+0.17	3.32	-0 01	2.37	-1.72	.....	.....	3.85	-0.22	3.84	0 95	2.51	-0.94	4.72	+0.83	4.80	+2.18	6.15	+3.29	3.62	+0.66	6.17	+2 67	.....	.....
Lawsville	2 41	-1.72	3.56	+0.22	2.47	-2.01	2.85	-0.58	2.49	-1.46	2.61	-1.34	6.40	+2.10	9.13	+5.07	3.71	+0.77	3.99	+1.47	1.56	-1.46	4.12	+0.29	45.33	-1.36
Mount Sterling	3.74	-0.94	3.81	-1.08	2.65	-2.93	2.88	-2.31	4.01	-0.17	3.18	-1.31	5.87	+0.50	7.69	+3.43	4.18	+1.25	2.51	-0 10	3.59	-0.16	8.86	-4.08	52.58	-6.47
Mounts, Dam No. 35	5.33	+0 61	1.97	-2.02	3.32	-2.09	2.61	-1.31	2.64	-1.65	4.10	-0.94	6.67	+1.61	6.50	+2.53	4.01	+1.07	7.90	+4.93	3.80	-0.56	5.06	+0.82	54.00	4.12
Neville	2.77	.....	5.87	.....	2.33	.....	5.45	.....	3.59	.....	4.90	.....	5.26	.....	12.23	.....	5.59	.....	6.94	.....	1.97	.....	3.42	.....	60.32	.....
Prestonsburg	2 56	-1.57	2.72	-0.62	1.80	-2.59	1.66	-1.92	2.89	-0.48	1.92	-2.47	8.00	+3.88	6.62	+1.95	1.88	-1.17	8.81	+5.87	4.11	+1.65	5.52	+1.33	61.17	2.95
Quicksand	.....	.....	.....	.....	.....	.....	.....	.....	3.42	.....	2.75	.....	5.49	.....	5.73	.....	4.55	.....	4.08	.....	3.54	.....	6.88	.....	.....	.....
Ravenna, Lock No. 12	4.05	.....	3.32	.....	3.37	.....	2.00	.....	3.91	.....	3.67	.....	5.23	.....	6.38	.....	7.31	.....	5.91	.....	4.06	.....	9.17	.....	58.38	.....
Richmond	4.70	.....	2.60	.....	2.19	-1.45	1.99	.....	2.88	.....	4.60	.....	4.34	.....	9.26	.....	6.99	.....	5.80	.....	3.46	.....	5.35	.....	53.66	.....
Sargent	4.45	-0.06	2.61	-0.83	2 31	-2.08	3.23	-0.38	3.10	-0.48	3.66	-0.89	4.46	+0.36	4.40	+0.80	4.66	+1.22	6.67	+3.86	3.77	+0.90	7.01	+3.06	49.67	-5.48
Valley View, Lock No. 9	3.70	.....	3.73	.....	2.98	.....	1.99	.....	4.98	.....	2.49	.....	4.33	.....	2.26	.....	2.59	.....	3.77	.....	5.25	.....	6.35	.....	44.82	.....
Vanceburg, Dam No. 32.	5.39	-0.88	3.76	+0.47	4.10	+0.81	.....	.....	2.87	-0.70	4.29	0.16	6.46	+2.28	6.98	+2.85	5.95	+2.01	6.88	+3.45	3.14	+0.16	6.34	+1.84	.....	.....
Wayland	4 20	+0.13	4.50	+1.00	2.21	-3.03	3.49	+0.13	2.58	-1.31	2 04	-1.52	1.34	3.63	4.65	+0.41	3.33	+0.70	3.90	+1.21	1.93	-2.25	4.45	-0.57	39.02	-7.39
Whitesburg	3.01	.....	4.51	.....	2.20	.....	1.85	.....	4.29	.....	1.03	.....	4.58	.....	5.10	.....	3.65	.....	4.01	.....	2.94	.....	10.55	.....	47.72	.....
Williamsburg	2.43	-2 16	3.15	-0.45	2.45	-2.52	3.43	-0.85	3.30	-0.80	4 02	-0.40	3.56	-1.73	11.89	+7.23	4.54	+1.00	3.20	+0.53	4.61	-1.57	11.05	+7.18	57.73	+8.60
Willow, Lock No. 13	4.06	+0.76	2.78	.....	2 31	.....	1.92	.....	2.24	.....	4 17	.....	5.33	.....	7.07	.....	5.99	.....	4.72	.....	3.01	.....	6.24	.....	49.78	.....

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining ction or division means. T Precipitation is less than 0.01 inch rain or melted snow.

†Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Monthly and Annual Mean Temperatures for the Year 1926, with Departures from the Normal.

Stations	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure
WESTERN DIVISION.																										
Beaver Dam	36.0	+ 0.4	42.3	+ 6.1	43.0	— 4.6	52.5	— 3.4	66.8	+ 0.5	71.8	— 2.4	78.6	+ 0.8	78.6	+ 2.2	75.1	+ 4.2	60.4	+ 1.7	44.2	— 2.7	37.5	+ 0.4	57.2	+ 0.2
Blandville	36.2	+ 2.2	43.5	+ 6.7	42.6	— 4.7	52.8	— 4.6	67.6	+ 1.0	72.8	— 2.2	78.8	+ 0.6	76.8	0.0	73.6	+ 2.7	°60.5	+ 1.9	42.8	— 4.9	36.8	— 0.3	57.1	— 0.1
Calhoun	35.7	— 1.0	42.8	+ 5.1	°41.4	— 7.8	52.8	— 5.6	66.7	— 0.4	71.4	— 4.0	78.3	+ 0.3	77.8	+ 0.4	73.3	+ 1.8	60.8	+ 0.8	43.2	— 5.0	36.2	0.0	56.9	— 1.3
Earlington	°36.8	+ 1.5	44.0	+ 7.7	43.2	— 4.1	54.2	— 3.1	66.7	— 0.5	73.2	— 2.5	80.0	+ 1.6	79.0	+ 1.9	76.5	+ 4.4	61.6	+ 2.3	43.0	— 4.8	38.8	+ 0.1	57.9	.....
Greenville	37.3	+ 1.7	43.7	+ 4.4	42.3	— 5.9	°54.2	.....	°69.5	+ 4.8	°71.9	— 3.0	°79.2	.....	77.8	+ 1.1	74.0	+ 3.0	61.9	+ 2.6	44.0	— 3.8	38.8	+ 0.1	58.5	+ 0.1
Hopkinsville	37.6	+ 0.1	43.6	+ 5.2	42.6	— 6.7	54.5	— 2.8	69.4	+ 2.3	74.0	— 1.5	80.6	+ 1.8	79.4	+ 1.5	76.8	+ 4.7	62.0	+ 1.4	43.4	— 5.1	38.6	+ 0.1	58.9	+ 0.2
Marion	36.4	+ 0.6	42.7	+ 5.7	42.1	— 6.4	53.8	— 3.5	69.2	+ 2.5	74.4	— 0.6	81.2	+ 3.3	79.2	+ 1.1	74.8	+ 2.6	61.7	+ 2.3	43.8	— 4.8	38.9	— 1.0	58.7	+ 0.4
Mayfield	°38.4	+ 1.8	45.0	+ 7.0	°42.3	— 8.6	°56.2	— 1.0	°69.6	+ 3.2	°78.9	— 0.5	°78.2	+ 0.3	78.8	+ 1.5	76.1	+ 4.7	62.6	+ 2.8	44.5	— 4.8	38.9	— 1.0	58.7	+ 0.4
Murray	.....	.....	.....	.....	.....	.....	°55.4	.....	68.2	.....	76.5	.....	77.9	.....	79.2	.....	75.7	.....	62.6	.....	44.1	.....	39.4	.....	.....	.....
Owensboro	33.7	— 1.2	40.5	+ 5.8	40.0	— 7.1	50.9	— 4.6	66.6	+ 1.0	71.0	— 3.3	77.8	+ 0.1	76.2	— 0.1	72.0	+ 1.5	58.3	— 0.6	41.4	— 5.8	36.0	— 1.0	55.4	— 1.3
Paducah (near)	33.7	.....	44.8	.....	43.8	.....	54.5	.....	69.2	.....	74.2	— 2.8	80.8	+ 0.8	80.0	+ 0.8	76.2	+ 3.2	62.4	+ 1.6	43.1	— 3.9	38.6	— 1.0	58.9	.....
Princeton	35.9	+ 0.3	42.2	+ 5.8	41.2	— 7.3	52.6	— 5.5	66.2	— 0.5	71.2	— 4.5	77.6	— 0.5	76.8	0.9	°72.8	+ 1.4	°59.8	+ 0.7	42.3	— 4.6	36.9	— 1.5	56.3	— 1.5
Russellville	34.6	— 0.9	41.1	+ 3.7	°39.4	— 9.4	51.8	— 6.2	°68.0	+ 2.1	71.1	— 3.8	78.8	+ 1.1	77.8	+ 0.1	75.0	+ 3.5	60.4	+ 1.0	°43.0	— 4.8	37.8	— 0.9	56.6	— 0.4
CENTRAL DIVISION.																										
Anchorage	30.4	— 2.6	38.2	+ 5.2	°37.0	— 8.1	°48.6	— 4.6	°64.7	+ 0.6	70.0	— 1.9	77.6	+ 1.6	77.0	+ 2.3	71.5	+ 3.0	°56.6	— 0.2	°41.2	— 3.1	34.6	+ 1.0	54.0	— 0.5
Bardstown	34.4	— 0.9	40.4	+ 4.7	40.3	— 6.3	51.8	— 3.8	66.6	+ 0.6	71.4	— 3.1	79.0	— 1.7	77.8	+ 0.8	73.4	+ 1.9	59.2	+ 0.1	42.4	— 4.3	37.1	+ 1.4	56.2	— 0.7
Bowling Green	36.0	0.0	43.3	+ 5.7	42.3	— 6.0	54.3	— 3.8	68.4	+ 0.8	72.6	— 3.2	79.2	+ 0.3	78.4	+ 0.1	75.8	+ 4.1	°60.8	+ 1.6	43.2	— 4.1	39.0	+ 1.4	57.8	— 0.3
Dix Dam	°33.8	.....	°40.4	.....	39.2	.....	°49.8	.....	.....	.....	°70.0	.....	°77.5	.....	79.4	.....	72.8	.....	°59.3	.....	°43.4	.....	°38.2	.....	.....	.....
Eubank	35.6	+ 0.6	40.8	+ 6.0	41.1	— 5.0	51.4	— 2.9	65.1	— 1.4	68.4	— 3.0	75.2	+ 0.3	76.5	+ 2.7	74.0	+ 5.5	63.7	+ 6.8	43.2	— 1.9	40.5	+ 4.1	56.3	+ 1.2
Frankfort	33.3	— 2.7	40.9	+ 5.0	39.7	— 6.9	51.0	— 4.3	65.9	+ 0.7	70.8	— 2.8	78.1	+ 1.2	77.9	+ 2.9	72.6	+ 4.1	60.2	+ 3.1	43.0	— 3.4	38.6	+ 1.4	56.0	— 0.1
Franklin	.....	.....	°43.8	+ 4.8	°42.4	— 7.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glasgow	36.6	.....	43.0	.....	40.8	.....	53.8	.....	68.8	.....	71.5	.....	81.0	.....	79.5	.....	76.0	.....	61.6	.....	44.0	.....	38.6	.....	57.9	.....
Greensburg	34.6	— 0.1	41.4	+ 6.5	39.4	— 7.2	50.8	— 4.4	64.0	— 0.8	68.4	— 4.9	75.6	— 1.0	75.4	+ 0.1	72.0	+ 2.4	58.0	+ 1.9	41.8	— 3.4	38.6	+ 2.3	55.1	— 0.7
Irvington	34.9	— 1.3	40.8	+ 6.5	40.0	— 6.8	51.0	— 4.5	66.6	+ 0.3	70.8	— 2.9	78.9	+ 1.5	77.6	+ 1.4	72.6	+ 2.3	58.9	+ 3.3	42.4	— 4.2	36.6	— 0.1	55.9	— 0.3
Junction City	33.6	— 1.5	40.5	+ 5.9	40.0	— 6.1	50.6	— 4.3	65.2	+ 0.6	68.6	— 3.5	75.8	+ 0.4	76.6	+ 2.1	74.4	+ 5.1	.....	.....	42.0	— 1.9	37.8	+ 1.6	.....	.....
Leitchfield	35.8	+ 0.8	41.5	+ 6.3	40.3	— 6.2	51.9	— 3.5	67.2	+ 2.1	70.6	— 2.6	78.2	+ 1.6	77.4	+ 1.8	73.8	+ 4.0	59.8	+ 1.7	42.6	— 3.9	37.4	+ 0.8	56.4	+ 0.3
Lexington	32.0	— 0.9	37.3	+ 1.9	36.7	— 7.0	49.6	— 5.3	64.6	+ 0.3	69.4	— 2.8	76.8	+ 0.9	76.0	+ 1.5	71.4	+ 2.9	57.2	— 0.2	40.8	— 4.0	35.0	— 0.8	53.8	— 1.2
Louisville	33.7	— 0.7	39.1	+ 1.9	39.0	— 6.4	50.2	— 6.2	66.8	+ 0.2	71.4	— 3.3	78.8	+ 0.2	77.6	+ 0.6	71.8	+ 1.3	58.5	— 0.8	42.2	— 4.5	38.2	— 2.4	55.4	— 1.6
Do. Cherokee Park	33.6	— 1.0	40.6	+ 4.9	39.8	— 6.2	51.2	— 4.9	66.0	+ 0.9	69.8	— 3.2	76.8	+ 0.8	76.2	+ 1.5	71.3	+ 2.4	58.8	+ 0.9	42.4	— 4.2	36.4	+ 0.2	55.2	— 0.7
St. John	34.1	+ 0.3	°40.9	+ 6.4	39.3	— 6.2	50.0	— 4.6	65.6	+ 1.3	70.2	— 2.5	77.4	+ 1.4	77.2	+ 2.3	73.1	+ 3.8	58.7	+ 1.0	41.5	— 4.2	36.8	+ 1.4	55.4	+ 0.2
Scott	30.8	— 2.3	36.2	+ 5.5	36.2	— 7.2	48.1	— 5.0	63.2	— 0.6	67.1	— 4.6	74.2	— 2.4	75.1	+ 0.3	68.8	— 0.3	56.1	— 1.3	41.8	— 3.0	.....	.....	.....	.....
Shelbyville	°32.0	— 1.3	38.9	+ 5.1	38.8	— 5.9	50.0	— 4.7	65.0	0.0	70.0	— 3.5	77.8	+ 0.9	77.6	+ 2.1	71.6	+ 2.4	57.4	+ 0.7	41.0	— 3.4	36.5	+ 1.5	54.7	— 0.5
Taylorsville	31.8	— 2.4	°40.6	+ 5.2	38.3	— 8.3	49.2	— 5.3	64.6	0.0	70.2	— 2.3	°76.7	+ 0.6	76.5	+ 2.2	71.4	+ 3.4	58.2	+ 1.9	41.0	— 3.8	37.2	+ 2.0	54.6	— 0.6
Williamstown	30.9	— 1.5	37.3	+ 5.3	37.2	— 7.4	°49.1	— 3.7	65.1	+ 1.5	69.6	— 1.6	76.2	+ 0.5	76.3	+ 2.1	70.4	+ 1.8	57.0	+ 1.9	41.3	— 3.8	34.6	+ 1.1	53.8	— 0.3
EASTERN DIVISION.																										
Ashland	33.5	.....	40.2	+ 3.4	39.4	— 8.2	50.4	— 5.4	64.9	.....	68.5	— 5.4	76.9	+ 0.8	78.3	+ 2.8	73.5	.....	60.0	+ 2.3	44.8	.....	38.0	— 1.3	55.7	.....
Beattyville	33.8	— 1.1	41.2	+ 5.5	39.9	— 6.0	50.7	— 3.8	65.0	+ 0.8	69.8	— 2.9	77.2	+ 1.3	77.6	+ 2.5	74.2	+ 4.4	59.6	+ 1.8	42.9	— 2.0	38.7	+ 3.0	55.9	+ 0.3
Berea	34.8	— 1.6	40.3	+ 4.0	39.2	— 7.9	50.5	— 4.8	65.1	— 0.1	69.0	— 3.9	75.8	— 0.3	75.8	+ 1.4	72.8	+ 3.5	58.9	+ 0.3	42.8	— 4.5	39.6	+ 3.0	55.4	— 0.9
Farmers	°31.6	— 3.2	39.4	+ 3.8	38.8	— 6.5	48.7	— 6.0	°62.2	— 1.5	.....	.....	°75.6	+ 0.7	°76.9	+ 2.8	71.8	+ 3.6	°58.6	+ 1.9	°43.5	— 1.3	°38.0	+ 2.0	.....	.....
Harlan	.....	.....	.....	.....	.....	.....	.....	.....	°64.5	.....	.....	.....	.....	.....	73.4	.....	.....	.....	58.8	.....	42.4	.....	39.3	.....	.....	.....
Hindman	.....	.....	40.8	.....	.....	.....	°50.0	.....	°63.8	.....	.....	.....	°75.1	.....	°76.0	.....	.....	.....	58.8	+ 1.7	43.6	— 1.7	37.4	+ 2.8	54.8	— 0.2
Maysville	32.4	— 0.7	39.8	+ 6.8	38.6	— 6.0	49.4	— 4.7	64.5	— 0.1	69.6	— 3.6	76.0	— 0.8	76.6	+ 1.0	71.5	+ 1.8	58.8	+ 1.4	43.9	— 4.1	40.6	+ 2.2	55.9	— 0.6
Middlesboro	34.4	— 3.4	41.4	+ 2.5	41.0	— 7.5	53.2	— 3.4	64.4	— 0.1	70.2	— 2.2	74.6	— 0.1	75.6	+ 1.4	74.8	+ 5.4	58.8	+ 1.4	41.9	— 4.1	41.0	— 3.0	55.4	— 0.4
Mt. Sterling	32.4	— 1.2	37.8	+ 4.4	37.8	— 5.9	49.2	— 4.4	64.9	+ 0.8	68.2	— 4.2	76.6	+ 0.8	°75.8	+ 1.7	°71.8	+ 4.2	56.6	+ 1.0	°45.0	.....	40.2	.....	56.2	.....
Quicksand	°32.8	.....	°42.0	.....	40.0	.....	°52.0	.....	65.6	.....	69.8	.....	76.2	.....	77.4	.....	74.0	.....	60.8	.....	44.2	.....	40.2	.....	56.2	.....
Richmond	34.6	+ 0.3	40.7	+ 5.4	39.8	— 5.8	52.2	— 3.3	66.6	+ 1.0	70.0	— 3.5	77.8	+ 1.1	°77.0	+ 1.5	73.7	+ 3.2	60.2	+ 1.8	44.5	— 2.3	39.0	+ 1.9	56.3	+ 0.1
Sergent	34.6	.....	°41.4	.....	°41.7	.....	52.2	.....	°65.3	.....	°71.0	.....	75.4	.....	°78.6	.....	74.0	.....	60.6	.....	°45.0	.....	40.7	.....	56.7	.....
Williamsburg	37.0	— 1.6	43.4	+ 4.6	41.7	— 5.4	53.6	— 2.1	66.8	+ 1.0	72.2	— 1.6	77.5	+ 0.8	78.2	+ 2.2	76.3	+ 5.8	61.1	+ 1.6	45.3	— 2.0	42.0	+ 2.9	57.9	+ 0.7

All temperature data are taken from self registering thermometers.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1926.

STATIONS	Last in Spring.	First in Autumn.	STATIONS.	Last in Spring.	First in Autumn
WESTERN DIVISION			Irvington	April 20	Oct. 27
Beaver Dam	April 20	Oct. 27	Junction City	do 27	do 27
Blandville	do 19	do 25	Leitchfield	do 20	do 27
Calhoun	do 20	Nov. 2	Lexington	do 20	do 27
Greenville	do 20	do 2	Louisville	do 20	do 27
Hopkinsville	do 19	do 2	Do. Cherokee Park	do 20	do 25
Marion	do 19	do 2	St. John	do 26	do 25
Mayfield	do 19	Oct. 25	Scott	do 26	do 26
Owensboro	do 20	Nov. 2	Shelbyville	do 20	do 26
Paducah (near)	do 19	Oct. 25	Taylorsville	do 20	do 26
Princeton	do 20	Nov. 2	Williamstown	do 26	do 26
Russellville	do 20	do 2	EASTERN DIVISION		
CENTRAL DIVISION			Ashland	April 27	do 26
Anchorage	do 26	Oct. 26	Beattyville	do 27	do 26
Bardstown	do 20	do 25	Berea	do 20	do 26
Bowling Green	do 20	Nov. 2	Farmers	do 27	do 26
Dix Dam	do 20	Oct. 27	Hindman	do 27	do 26
Eubank	do 27	do 26	Mount Sterling	do 27	do 26
Frankfort	do 20	do 27	Richmond	do 20	do 26
Glasgow	do 20	do 25	Sergent	do 27	do 26
Greensburg	do 20	do 26	Williamsburg	do 27	do 26

MONTHLY SUMMARIES, 1926.

MONTH.	Temperature.				Precipitation.		Average number of days.		
	State average.	*Departure.	Highest.	Lowest.	State average.	*Departure.	With .01 or more rain.	Clear.	Partly cloudy.
January	34.4	— 1.1	69	—11	4.01	— 0.37	10	12	5	14
February	41.1	+ 5.1	70	4	3.14	— 0.39	10	8	7	13
March	40.2	— 6.2	84	1	2.80	— 2.04	11	12	6	13
April	51.6	— 4.3	87	16	3.17	— 0.86	10	13	7	10
May	66.2	+ 0.6	101	31	2.36	— 1.61	7	17	8	6
June	72.0	— 1.9	98	42	3.45	— 0.64	8	15	9	6
July	77.6	+ 0.7	107	43	4.36	+ 0.19	9	16	9	6
August	77.3	+ 1.7	101	51	7.51	+ 3.80	14	12	10	9
September	73.5	+ 3.2	98	40	3.78	— 0.57	9	14	8	8
October	59.3	+ 1.2	94	25	5.96	+ 3.36	11	12	8	11
November	42.9	+ 3.4	80	0	3.40	— 0.13	9	10	7	13
December	37.8	+ 0.2	75	5	6.01	+ 1.93	14	8	5	18
Annual means and extremes	56.1	— 0.4	107	—11	49.95	+ 4.21	120	149	89	127

*Compared with 35 years' normal.

NOTE.—Tables and charts giving climatic data for Kentucky in detail during 1926 have been published for each month at the Kentucky section center, Weather Bureau Office, Louisville, Ky., and can be obtained from the Official in charge at that office. Indexes to special articles published during past years in Kentucky climatological reports will be found in the Monthly Report for June, 1909.

W. B. O. Louisville, 2-18-27, 1100.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXII LOUISVILLE, KY., JANUARY, 1927. No. 1

GENERAL SUMMARY.

With the exception of a few days, decidedly cold weather prevailed during the first two weeks and abnormally warm weather in the last two. The same contrast appears in precipitation, which was light in the first half, but excessive and frequent in the last half. Floods in most streams of the State overflowed lowlands during the third week, and were still in progress in the western counties at the close of the month. Wheat, rye, grass, clover, and alfalfa on overflowed lands were damaged, particularly along the Cumberland, Green and lower Ohio Rivers. Corn gathering continued in the cold dry period, hindered somewhat at times by low temperature; but outdoor work ceased with the beginning of the rainy spell. Corn remaining in shock during the rains suffered further deterioration. Rarely have conditions been so persistently unfavorable and difficult for gathering this crop as during this winter. Wheat and rye on well drained uplands continued generally in good condition. Probably less than the usual amount of damage occurred from freezing and thawing, due to the mild temperature in most of the period when the soil was super-saturated. There was some light snow cover in the northern counties from the 9th to 12th. The dry cold of the first half interfered with handling tobacco, but the weather was almost continuously favorable later on. Tobacco stripping progressed rapidly at this time, but persistent downpours of rain and the condition of the roads hampered deliveries. Macadamized roads, softened by the general thaw and drenched by excessive rains, suffered extensive injury under the heavy hauling. Dirt roads became almost impassable. The month ended warm, with grass and winter grains showing signs of growth and the buds of some trees and shrubs beginning to swell.

TEMPERATURE.

The average temperature for the State, 43 stations reporting, was 35.8°, which is slightly above normal. Temperatures below normal were almost continuous from the 7th to 16th, with the exception of two days, they were above normal from the 17th to the end of the month. Minima near zero were registered generally on the 15th, and maxima ranging from 60° to 75° on the 22d, 26th, and 30th. The extremes were 76° at Urgent on the 21st, and −3° at Eubank on the 16th.

PRECIPITATION.

Precipitation for the State, based on reports from 79 stations, averaged 6.33 inches, which is 1.95 inches above the January normal. Light snow occurred on the 9th and 10th and light rain, irregularly distributed, on the 13th and 14th. Except in the southeastern counties, moderate to heavy rains were general over the state from the 18th to 24th, and also in the central and eastern counties in the period 29th-31st. The total precipitation for the month ranged from 9.0 inches in the western counties to 2.5 inches near the southeast border. Excessive rain, ranging from 7.5 to 9.0 inches, prevailed over a large area extending from the Purchase to the bluegrass region. Precipitation extremes were 1.87 inches at Hazard and 9.55 inches at Rumsey. Snowfall ranged between 1.0 and 4.0 inches in the northern and central districts. A few central stations reported thunder on the 21st.

MISCELLANEOUS.

Jan. 22d and 23.--An ice storm in the northern and western counties caused extensive damage to wire systems, especially from Paducah westward.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.23	30.80	15	29.61	3	7877	10.6	35	nw.	9
Cincinnati ..... Ohio	30.23	30.87	26	29.50	3	6885	8.6	29	nw.	3
Evansville ..... Ind.	30.26	30.82	26	29.58	3	6854	9.2	29	w.	29
Lexington ..... Ky.	30.24	30.80	26	29.59	3	10394	13.9	38	sw.	19
Louisville ..... Ky.	30.25	30.83	27	29.55	3	8893	12.0	45	w.	3

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	78	72	76	308.4	154.2	50	10	12
Cincinnati ..... Ohio.	85	74	78	303.4	112.4	37	4	14
Evansville ..... Ind.	84	72	75	305.9	139.4	46	8	12
Lexington ..... Ky.	87	78	..	305.9	85.4	28	4	16
Louisville ..... Ky.	79	71	76	305.9	123.6	40	4	14

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average	Departure from 35-year normal.	No. of days with .01in or more rain.	Average No. of Days. Clear.	Partly Cloudy.	Cloudy.	Snowfall
1889...	38.0	+2.5	65	13	3.52	−0.86	..	..	..	..	....
1890...	44.0	+8.5	77	10	6.43	+2.05	..	..	..	..	....
1891...	37.0	+1.5	68	14	5.40	+1.02	..	..	..	..	....
1892...	29.0	−6.5	65	− 6	2.72	−1.66	..	..	..	..	....
1893...	26.0	−9.5	67	−22	2.08	−2.30	..	..	..	..	....
1894...	38.0	+2.5	78	−12	2.91	−1.47	..	..	..	..	....
1895...	30.0	−5.5	78	−16	5.71	+1.33	11	8	8	15	....
1896...	36 1	+0.6	74	− 3	1.25	−3.13	6	9	7	15	....
1897...	32.0	−3.5	75	−16	3.25	−1.13	8	11	8	12	4.2
1898...	40.4	+4.9	72	6	8.76	+4.38	12	8	8	15	1.4
1899...	34.4	−1.1	68	−18	6.23	+1.85	11	9	8	14	8.5
1900...	37.2	+1.7	77	− 8	2.80	−1.58	8	12	8	11	0.9
1901...	36.7	+1.2	75	4	1.85	−2.53	7	12	7	12	0.8
1902...	33.7	−1.8	70	5	5.14	+0.76	7	14	5	12	2.3
1903...	34.8	−0.7	82	− 9	2.50	−1.88	9	11	6	14	2.8
1904...	32.3	−3.2	70	− 9	3.17	−1.21	10	13	5	13	2.5
1905...	27.5	−8.0	70	−15	2.83	−1.55	11	10	5	16	12.8
1906...	39.7	+4.2	80	− 9	3.48	−0.50	8	11	6	14	3.1
1907...	43.2	+7.7	83	−11	8.02	+3.64	14	7	6	18	4.8
1908...	35.0	−0.5	62	7	2.20	−2.18	8	13	5	13	1.0
1909...	38..	+2.8	77	− 8	3.47	−0.91	9	5	6	20	5.7
1910...	33.8	−1.7	70	−20	4.41	+0.03	10	9	5	17	11.0
1911...	39.7	+4.2	73	−16	2.88	−1.50	11	7	4	20	4.4
1912...	25.9	−9.6	61	−20	3.09	−1.29	8	13	4	14	11.7
1913...	42.5	+7.0	76	13	11.41	+7.03	14	8	6	17	1.4
1914...	38.4	+3.9	69	5	2.31	−2.07	6	9	5	16	1.0
1915...	33.0	−2.5	65	0	5.03	+0.65	13	8	7	16	7.6
1916...	41.2	+5.7	78	− 5	7.27	+2.89	14	9	6	16	3.7
1917...	36.7	+1.2	74	−17	6.38	+2.00	12	5	8	15	12.0
1918...	20.6	−14.9	62	−20	5.09	+0.71	14	9	7	15	23.3
1919...	37.9	+2.4	68	− 1	3.62	−0.76	7	16	6	9	1.6
1920...	33.4	−2.1	72	− 6	6.75	+2.37	10	10	6	15	0.7
1921...	39.7	+4.2	71	12	3.06	−1.32	10	10	7	14	4.0
1922...	34.6	−0.9	67	1	2.25	−2.13	8	12	8	12	1.1
1923...	41.0	+5.5	68	11	6.11	+1.73	12	8	6	17	1.
1924...	31.3	−4.2	66	− 8	5.05	+0.67	9	15	5	11	1.2
1925...	35.8	+0.3	66	− 9	2.60	−1.78	10	12	6	13	4.1
1926...	34.4	−1.1	69	−11	4.01	−0.37	10	12	5	14	7.1
1927...	35.8	+0.3	76	− 3	6.33	+1.95	12	9	6	16	2.2

Climatological Data for January, 1927.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	23	35.8 + 0.2	64	30	0	15	39	6.30	+2.03	1.40	.....	10	11	5	15	n.	Mrs. Lena F Taylor.
Blandville	Ballard	445	45	35.8 + 1.8	64	29	0	15	23	8.68	+4.05	2.38	0.1	11	10	3	18	sw.	E. W. Horr.
Calhoun	McLean	437	23	36.8 + 0.1	63	30	0	15	25	9.52	+4.64	2.43	4.0	13	5	10	16	n.	W. A. Taylor.
Darlington	Hopkins	420	37	36.5 + 1.2	65	29†	0	15	30	8.13	+3.65	2.23	1.0	14	11	4	16	sw.	Brick Southworth.
Greenville	Muhlenburg	519	10	37.4 + 1.8	66	30	2	15	32	6.80	+2.46	1.60	3.0	13	12	11	8	s.	C. R. Lovell.
Hopkinsville	Christian	524	31	37.2 — 0.3	64	29	— 1	15	31	6.25	+1.06	1.80	0.5	12	4	6	21	se.	W. E. Graves.
Marion	Crittenden	571	29	34.6 — 1.2	63	29†	— 2	15	24	8.27	+3.64	2.00	T.	8	8	7	16	nw.	B. C. Paris.
Mayfield	Graves	364	18	38.3 — 1.7	65	30†	0	15	37	.....	.....	.....	.....	.....	10	6	15	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	1	37.9	68	30	0	15	36	7.72	.....	1.59	0.0	9	13	6	12	s.	Harry B. Arnold
Owensboro	Daviess	479	30	34.2 — 0.7	62	30	4	15	31	8.59	+4.50	2.00	1.0	12	8	5	18	nw.	Henry S. Berry.
Paducah (near)	McCracken	516	10	37.4 + 1.5	64	30	0	15	35	9.17	+4.01	2.40	0	10	10	8	13	sw.	J. W. Lilley
Paducah	McCracken	341	38	.....	.....	.....	.....	.....	.....	7.51	+2.88	2.10	T.	12	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	20	35.6 0.0	64	29†	— 1	15	28	7.70	—3.46	2.00	0.1	12	7	9	15	s.	Dr. W. L. Cash.
Ramsey, Lock 2 ‡	McLean	384	10	.....	.....	.....	.....	.....	.....	9.55	+5.94	2.45	T.	10	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	16	35.0 — 0.5	63†	29	0†	15	33†	6.48	+1.26	1.70	1.0	9	.....	.....	.....	.....	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	26	32.6 — 0.4	61	30	1	15†	32	7.03	+2.95	2.26	2.5	9	12	4	15	nw.	C. E. Barret.
Bardstown	Nelson	637	30	35.2 — 0.1	64	29†	1	15	39	6.57	+1.85	1.45	3.0	10	9	4	18	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	38	37.3 + 0.7	62	22	— 1	15	30	7.37	+2.73	2.35	1.0	14	7	9	15	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	460	2	.....	.....	.....	.....	.....	.....	7.42	.....	1.84	2.5	14	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	10	.....	.....	.....	.....	.....	.....	7.63	+1.93	1.82	2.5	14	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	36	.....	.....	.....	.....	.....	.....	8.42	—1.13	0.68	2.0	13	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	28	.....	.....	.....	.....	.....	.....	5.78	+2.14	1.34	.....	10	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	13	.....	.....	.....	.....	.....	.....	9.00	+4.86	2.81	2.6	12	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	1	.....	.....	.....	.....	.....	.....	4.84	.....	1.16	2.0	11	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	3	36.6	62	30	0	15	37	6.86	.....	1.73	2.5	11	10	4	17	.....	Geo. Henry Ellis.
Eubank	Pulaski	1177	33	35.6 — 0.6	66	21	— 3	16	36	4.85	—0.12	1.60	3.0	10	6	9	16	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	35	35.6 - 0.4	62	30	2	15	25	7.77	+3.64	2.32	2.0	12	9	2	20	w.	Sidney Wood.
Franklin	Simpson	691	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jos.H. Blewett
Gest, Lock 3	Henry	449	16	.....	.....	.....	.....	.....	.....	7.63	+2.92	1.68	.....	12	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	720	6	36.6	66	21†	0	15	32	5.20	.....	1.10	1.2	11	16	1	14	s.	Dr. Fidelia Edwards.
Grant, Dam 38	Boone	506	2	.....	.....	.....	.....	.....	.....	4.50	.....	1.06	.....	11	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	581	34	35.8 + 1.1	65	30	0	15	33	7.38	+2.67	2.00	4.0	15	1	1	29	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	25	.....	.....	.....	.....	.....	.....	7.11	+2.72	1.65	2.5	11	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	29	35.1 — 1.1	61	30	— 1	15	26	8.74	+4.32	2.55	1.5	12	9	4	18	sw.	W. J. Pigsott.
Junction City	Boyle	986	33	34.5 — 0.6	65	21	0	15	33	7.59	+2.60	2.00	3.1	18	6	14	11	w.	William E. Grubbs.
Lancaster	Garrard	1032	1	.....	.....	.....	.....	.....	.....	5.63	.....	1.62	2.0	12	.....	.....	.....	.....	L. J. Vanhook.
Lee[illegible]	Lee	655	31	35 4 + 0.4	62	22†	0	15	27	7.50	+2.85	1.50	4.0	13	7	10	14	nw.	H. H. Willis.
Leitchfield	Grayson	989	43	33.4 0.5	60	30	— 1	15	38	6.53	+2.70	1.63	1.1	14	4	9	18	sw	U. S. Weather Bureau.
Lexington	Fayette	923	16	.....	.....	.....	.....	.....	.....	6.98	+2.19	2.00	2.0	11	.....	.....	.....	.....	Horace Canter.
Little Rickman, Lock 8 ¶	Jessamine	476	17	.....	.....	.....	.....	.....	.....	4.76	—0.82	1.34	2.8	12	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Henry	525	54	34 1 — 0.8	62	29	0	15	35	7.62	+3.72	3.14	1.3	13	3	11	17	n.	U. S. Weather Bureau.
LOUISVILLE	Jefferson	534	17	34.3 — 0.3	61	30	0	15	25	7.44	+2.98	2.40	1.0	10	7	7	17	sw.	Wm. I. Hunt.
Do (Cherokee Park)	Do	600	2	.....	.....	.....	.....	.....	.....	7.66	.....	1.90	2.0	11	.....	.....	.....	.....	C. R. Richardson.
Munfordville	Hart	777	31	31.4 — 0.6	62	30	— 2	15	27	7.48	+2.88	1.59	3.5	12	11	7	13	.....	Sisters of Loretto.
St. John	Hardin	490	13	.....	.....	.....	.....	.....	.....	8.61	+4.11	1.80	1.5	11	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6 ¶	Mercer	900	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. B. Wilson.
Scott ¶	Kenton	825	38	33.2 — 0.1	61	30	1	15	31	8.08	+3.82	1.50	2.2	14	7	5	19	n.	Miss Ruth Ratta,
Shelbyville	Shelby	489	25	34.4 + 0.2	62	30	2	15	26	7.41	+2.98	1.87	2.0	13	8	7	16	w.	E. D. Bourne.
Taylorsville	Spencer	526	9	.....	.....	.....	.....	.....	.....	7.36	+2.61	2.53	3.0	9	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5 ¶	Anderson	943	24	32.3 — 0.1	58	22†	2	15	32	7.19	+3.56	1.85	3.0	13	8	7	16	nw.	Mrs. E. S. Hunnlong.
Williamstown	Grant	533	10	.....	.....	.....	.....	.....	.....	6.86	+1.78	2.00	2.0	13	.....	.....	.....	.....	J. C. Stinson.
Woodbury, Lock 4 ‡	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ashland	Boyd	534	10	36.4 + 1.2	66	21†	2	16	27	6.35	+1.74	1.56	1.0	12	3	0	28	sw.	Curtis Purvis.
Beattyville	Lee	650	23	36.1 + 1.2	68	21	4	11†	33	4.57	—0.17	0.86	1.9	15	6	4	21	nw.	Robert S. Smallwood
Berea	Madison	1070	25	36.1 — 0.3	67	21	— 1	12	38	6.28	+1.53	1.94	4.0	12	0	18	13	sw.	Samuel M. Mayfield.
College Hill, Lock 11	Madison	691	17	.....	.....	.....	.....	.....	.....	5.86	+0.82	1.30	1.2	15	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	9	.....	.....	.....	.....	.....	.....	7.15	+3.04	1.90	2.0	11	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	660	38	.....	.....	.....	.....	.....	.....	6.25	+2.55	1.55	1.5	11	13	5	13	e.	J. V. Oldham
Farmers	Rowan	668	19	35.7 + 0.9	66	21	0	15	41	5.52	+1.60	1.60	3.0	10	7	4	20	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	2	.....	.....	.....	.....	.....	.....	6.79	.....	1.70	.....	10	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	856	11	.....	.....	.....	.....	.....	.....	6.66	+1.89	1.85	1.3	12	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	2	.....	.....	.....	.....	.....	.....	5.53	.....	1.52	2.7	14	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	2	.....	.....	.....	.....	.....	.....	5.35	.....	1.27	.....	15	.....	.....	.....	.....	Mrs. Agnes Farley
Hazard	Perry	865	3	.....	.....	.....	.....	.....	.....	1.87	.....	0.61	6.7	7	.....	.....	.....	.....	Chas. O. Ilrig.
Heidelberg, Lock 14	Lee	664	10	.....	.....	.....	.....	.....	.....	4.78	—0.03	0.99	.....	14	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	2	37.8	72	22	0	16	34	4.39	.....	1.26	6.9	14	9	9	13	nw	Miss Lake Napier.
Jenkins	Letcher	1566	2	.....	.....	.....	.....	.....	.....	3.23	.....	0.70	T.	15	.....	.....	.....	.....	R. R Davidson.
Louisa	Lawrence	584	23	.....	.....	.....	.....	.....	.....	5.15	+1.44	1.20	.....	12	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	30	35.0 + 1.9	63	30	2	15	32	5.96	+1.80	1.34	2.0	11	4	7	20	se	Perry L. Bennett
Middlesboro	Bell	1128	31	38.0 + 0.2	70	22	0	15†	43	2.18	—2.50	0.62	1.5	12	14	9	8	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	37	33.2 — 0.4	65	21	2	12†	33	6.56	+1.84	1.55	3.5	14	10	4	17	w.	W. P. McKee.
Opequon, Dam 35	Campbell	497	5	.....	.....	.....	.....	.....	.....	6.08	.....	1.45	2.5	10	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	21	.....	.....	.....	.....	.....	.....	2.98	—4.15	0.68	T.	10	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	2	.....	.....	.....	.....	.....	.....	3.89	.....	0.78	1.5	11	.....	.....	.....	.....	F. C. Hall
Quicksand	Breathitt	732	2	37.2	70	21	4	16	37	4.55	.....	0.83	2.8	12	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	651	9	6	.....	.....	.....	.....	.....	3.82	—0.14	0.83	.....	11	.....	.....	.....	.....	Walter F. Bush
Rockcastle, Lock 1	Madison	926	36	36.7 + 2.4	65	22	2	15	27	6.66	+2.05	1.53	3.6	14	8§	6§	16§	.....	I. W Crooke
Sargent	Letcher	1235	4	40.3	76	21	0	16	45	4.74	.....	0.60	2.5	16	10§	10§	9§	w.	R. P. Crawford
Valley View, Lock 9	Madison	841	14	.....	.....	.....	.....	.....	.....	6.56	+1.55	1.72	4.5	13	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	12	.....	.....	.....	.....	.....	.....	7.50	+3.43	1.73	.....	14	.....	.....	.....	.....	H. M. Fannin.
Wayland	Floyd	700	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Willenberg	Letcher	1142	2	.....	.....	.....	.....	.....	.....	2.58	.....	0.65	6.5	11	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	930	30	39.4 + 1.2	75	22	3	15	35	2.78	—1.81	0.50	1.2	10	18	7	6	.....	Lawrence R. Ubl.
Wilson, Lock 13	Lee	611	8	.....	.....	.....	.....	.....	.....	4.60	.....	0.98	3.2	11	.....	.....	.....	.....	Shelby Angel
				35.8 + 0.3	76	21	3	16	45	6.33	+1.95	3.14	2.2	12	9	6	16	sw.	

State averages and extremes.

A dagger (†) appearing in the table indicates number of days missing, for example, 5 represents two days, etc.

Reference letters, a, b, c, etc., appearing in remarks and summaries indicate that data are included in means and summaries for the following stations:

‡ Also no other dates. ** Received too late to be included in means and summaries. †† Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

¶ Post office addresses. Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

a 23d and 25d. — At the storm in the northern and western counties caused exten-

b — age to wire systems, especially from Paducah westward

c — The Ohio after flood crested in the lower reaches of the Green on the 4th,

d — on the 5th, and 6th, the Cumberland on the 5th, and in the Ohio from the

e — 7th. In the lower Tennessee, Cumberland and Green crests were about four to seven feet

f — above flood stage, and in the lower Ohio they were about four to seven feet

g — Excessive rainfall the period 18th-23d caused floods in all streams of the State,

h — the Ohio from the mouth of the Big

Reference letters, a, b, c, etc., appearing in the table indicate number of days missing, for example, 5 represents two days, etc.

Reference letters, a, b, c, etc., appearing in remarks and summaries indicate that data are included in means and summaries for the following stations:

‡ Also no other dates. ** Received too late to be included in means and summaries. †† Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

¶ Post office addresses. Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

a 23d and 25d. — At the storm in the northern and western counties caused exten-

b — age to wire systems, especially from Paducah westward

c — The Ohio after flood crested in the lower reaches of the Green on the 4th,

d — on the 5th, and 6th, the Cumberland on the 5th, and in the Ohio from the

e — 7th. In the lower Tennessee, Cumberland and Green crests were about four to seven feet

f — above flood stage, and in the lower Ohio they were about four to seven feet

g — Excessive rainfall the period 18th-23d caused floods in all streams of the State,

h — the Ohio from the mouth of the Big Sandy to Evansville, this flood eliminated between the 26th and 31st, with crests five to ten feet above flood stage and the highest since 1913. It continued in the lower Cumberland at Eddyville, 68.5 ft. on the 5th, is the highest of record. This flood crested in the upper Cumberland at the close of the month. The crest in the lower Cumberland reached flood stage 22d to 26th, at 6.9 to 9.0 feet above flood stage. The Green and Barren reached crests in the second flood of 6.0 to 14.0 feet above flood stage from the 24th to 31st. The lower Kentucky was slightly above flood stage on the 23d.

Daily Precipitation for January, 1927.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G										.15								.90	1.40	1.39	.50	.70	1.60	.05				.26		.20		6.40
Brandville ..... M								T					.45	T			.07	.58	2.38	.38		.07	1.47	1.43	.40	.02		.19				7.44
Calhoun ..... G								.02	.02				.14		.20			1.10	2.22	.87	.07	2.85	1.36	.08		T		.12	T	.12		9.05
Earlington ..... G									.05	T				.05	.30			.25	2.25	1.50	.20	1	1.50	.10	.05			.06	T			6.01
Greenville ..... G									.22	.05			.15	.60	T			.70	1.40	1.05	.45	.50	.70	.08				.06	T			6.01
Hopkinsville C								T	.02	T			.20	.06	T			.02	.81	1.80	.55	.60	.90	.22				.08		.04		5.32
Marion ..... O								T				.27						.80	2.00	.80	.90	1.25	1.84	T				.25				7.31
Mayfield ..... M																																
Murray ..... T													.36					.80	1.37	1.50	.80	1.20	.70	.02					.04			7.72
Owensboro ..... O								.05	.05		T		.50	.03	T			1.40	1.74	.60	1.10	2.00	.90	.10		T		.05	T	T		8.65
Paducah (near) ¶ ..... O													.30					.05	2.10	1.10	.60	1.85	1.30	.20		.05		.02				9.17
Padiucah ..... G										T				.28	T			.12	1.50	1.15	.06	2.10	1.40	.10	.02	.10		.12	.02			7.51
Princeton ..... G								T	.01				.34	T			T	1.60	2.00	1.12	.50	1.25	.77	.25	T	.01		.11	.43			7.35
Ramsey, Lock No. 2 ¶ ..... G									T					.25	T			.40	2.45	1.40	.22	1.50	2.30	.08					.10	.24		8.44
Russellville ..... G									.10									.81	.24	1.70	1.54	1.20	*	*				1.35				7.08
Central Division																																
Anchorage ..... O	T								.07	.01					T			.98	1.42	.78	2.26	.96	.48	.04								7.42
Bardstown ..... S									.14	.07			.26					.10	1.30	.90	1.05	1.45	.75					.35				6.05
Bowling Green ..... G									.05	.15			.40	.10				.25	.90	2.20	1.25	.50	.60	.20		T		.25				7.05
Bowling Green, No. 2 ¶ ..... G	.18	T								.21	.03			.27				.11	.37	1.84	1.47	1.05	.53	.37	.58		.02		.25				7.37
Brownsville, Lock No. 6 ¶ ..... G										.10	.10	.05	T	.04	T			.27	.54	1.82	1.53	.94	.57	.77	.07					.32	.17		7.12
Burnside C			T							.16	.10			.18	T			.26	.62	.32	.52	.14	.16	.46	.16					.68	.16		3.86
Carrollton (Lock No. 1) ..... K										.14				.46				.36	1.24	.76	.42	1.24	.68	.10		T		.29				5.78
Cecil Spring, Dam 86 ..... O	T	T		T	T					.24	.04			.32	T			.42	2.04	.92	.29	2.81	1.44	.09				T	.14	.22		9.06
Dix Dam, Burgin ..... K				T						.20	T	T		.39	T			.23	1.10	.72	.50	.85	.55	.06					.16	.14		4.84
Eubank C										.23				.17				.27	.37	.93	1.73	.68	1.04	.13					.52	.29		6.36
Frankfort ..... K	T			T						.17	.07			.15	.15			.40		.39	1.60			.65					.06	.20		4.35
Franklin ..... G										.10	.03	T		.21	T			.25	.62	1.17	1.07	2.32	1.00	.14				T	.48	.38		7.77
Gest, Lock No. 3 ..... K	T																															
Glasgow ..... G										.08	.03			.44	T			.38	1.17	.96	.70	1.68	1.00	.08					.47	.04		7.52
Grant, Dam 38 ..... O	T			T					.12	T			.25					.28	1.00	1.43	1.10	.38	.34	.29				.51		.27		5.26
Greensburg ..... G					.01				.05	.10				.36				.18	1.06	.62	.47	.83	.43	.12				T	.17	.16		4.60
High Bridge, Lock No. 7 ..... K										.29	T		.14	.30				.42	.19	2.00	1.80	.50	.97	.06				.61	.02	.23		7.38
Irvington ..... O				T						.03	.08			.19				.30	.30	.95	1.65	.90	.82	.72					.51	.42		7.11
Junction City ..... K										.02	.07	.06	.02	.03	.10	.01		.58	.29	2.00	1.85	.64	.77	.14	.03			.58	.03	.21		8.74
Lancaster ..... K										.15	.02			.06				.24	.14	.85	1.62	.70	.32	.72					.35	.46		5.59
Leitchfield ..... G										.10	.10		.25	.25				.70	1.30	1.50	.65	.65	1.15	.10				.20	T	.45		7.50
Lexington *** ..... K	T		T						.07	.04	T		.20	.02			.01	.40	.70	1.53	1.35	.50	.85	.03				.61		.22		6.53
Little Hickman, Lock No. 8 ..... K	T									.18	T			.15				.33	.24	.90	2.60	1.32	.52	.56					.41	.31		6.93
Lockport, Lock No. 2 ..... K									.12	T			.08	T			.36	1.34	.71	.44	.94	.32	.02				.01	.40	.02			4.76
LOUISVILLE *** ..... O	T		T						.09	.03			.39	T			.04	1.22	1.17	.65	2.03	1.14	.57	.01				.26	.02			7.62
Do. (Cherokee Park) ..... O										.12				.42				*	*	*	3.53	2.40	.50					.42	.04			7.43
Manfordsville ..... G											.24			.47				.32	.29	1.90	1.57	.70	.97	.22					.46	.57		7.66
St. John ..... S									.12	.10	T		.23	.20	T			.78	.55	1.18	.60	1.50	.90					T	.41	.68		7.48
Salvisa, Lock No 6 ..... K				T						.15				.32				.45	.55	1.35	1.80	1.10	1.30	.34					.65	.06			8.41
Scott L																																
Shelbyville ..... S									.15	.13			.10	.36				.61	1.50	1.14	1.05	1.25	.42	.50				.50	.04	.32		8.08
Taylorsville ..... S									.15	.08			.07	.28	T			.65	1.07	1.36	.38	1.87	.63					.45	.02	.46		7.44
Tyrone, Lock No. 5 ..... K									.10			T						.78	.55	1.20	1.22	2.55	.10					.60	.50			7.96
Williamstown L									.05	.08				.36				.93	1.42	.98	.62	1.85	.40	.02				.56	.02	.10		7.38
Woodbury, Lock No. 4 ¶ ..... G	T									.15	.10			.28				.21	.43	2.00	.78	1.21	.74	.48	.06	T			.27	.15		6.86
Eastern Division																																
Ashland ¶ ..... O				.04						.08				.26	T	T		.12	.36	.39	1.56	1.55	.58	.64				.53	.24		6.65
Battyville ..... K	.06	T								.10	.03	T		.37	.02			.30	.03	.86	.84	.55	.29	.56	.03			.49	.04			4.57
Berea ..... K	T							T	.15	.25	T		.01	T	T			.55	.04	1.54	1.14	.53	.78	.05				.41		.43		6.28
Blaze Hill, Lock No. 11 ..... K	T			.05						.12	.05			.25	.02			.35	.17	.60	1.30	.70	.50	.85	.05				.55	.30		5.86
Cynthiana L	T	T								.20	T	T		.32	T			.35	.62	1.00	.95	1.00	.97	.20	T				.26	.38		7.15
Falmouth L	T	T								.20	T			.32				.45	.85	.88	.64	1.55	.76	.09					.46	.15		6.25
Farmersburg L										.22				.26					.40	.75	1.00	.90	.50	.53					.55	.17		5.59
Ford, Lock No. 10 ..... K	T	T		.01					.30	.20									.72	.50	1.40	1.70	.80	.32				.40				6.84
Frayson ..... O										.08	T	T		.25	T			.33	.21	.75	1.85	1.21	.48	.62	T				.42	.45		6.66
Greenup, Dam 30 ..... O	.03			.01						.10	.05	.24		.25	.12			.25	.10	.15	1.52	1.03	.55	.41					.29	.46		5.58
Harlan ..... K										.03				.35	.02			.08	.44	.35	1.27	1.20	.55	.37	.01				.37	.27		5.85
Hazard ..... K		T							T	.16	.10	T		T	.27	T																
Heidelberg, Lock No. 14 ..... K				.02						.08	.08			.32				.33	.02	.99	.95	.55	.22	.60	.05		.13	T	T	.24		1.87
Indian ..... K	.10									.30	.35			.37	.10				.25	.45	.11	.07	.43	.05				.19	.08			4.78
Jenkins ..... K	.03			.20						.19	.10	.04		.23	.18	.04		.12	.08	.05			.47	.09				.55	.70			4.39
Louisa ..... B											.11			.26		.04		.12	.20	.60	1.20	.25	.41	.87				.47	.62			3.23
Maysville ..... O	T									.11				.30	T			.14	.54	.78	1.04	1.34	.99	.16	T				.45	.11			5.15
Millersburg C				.06						.05				.10				.18	.05	.10	.16		.20	.08				.55	.03	.02		5.96
Oneonta Dam 35 ..... O			T						.06	.27			.25	.07				.23	.46	1.55	1.00	.41	1.01	.08				.73	.26	.18		2.18
Oneville ..... B	T	T		T						.21								.20	1.45	.83	.52	1.10	.67	.14					.58	.28			6.56
Prestonsburg ..... B										T	T			.38	.10			.12		.08	.62	T	.18	.22					.52	.08	.08		6.08
Quicksand ..... K				.20						.16				.44	.05			.23		.64	.45	.10		.78					.58	.33			2.98
Ravenna, Lock No. 12 ..... K		.11		T						.21	.07			.28	T			.32		.83	.60	.22	.40	.52					.60	.41			3.89
Richmond ..... K	T									.32	.16			.10	T			.27	.05	.43	.28	.74	.32	.83	T.				.22				4.57
Sargent ..... K	.03							T	.15	.03				.06				.30	.37	1.53	1.50	.76	1.15	.08									3.82
Valley View, Lock No. 9 ..... K				.10					.25	.20	.50			.10	.60	.60		.15	.20	.40	.50		.80	.15				.05	.42	.58			6.56
Vanceburg, Dam No. 32 ..... O		.01							.12	.18			.08	.20				.40	.30	1.72	1.11	.60	1.22	.20				.28	.27	.44			4.74
Wayland ¶ ..... K	.10									.17	.02	.02		.49				.30	.70	.73	1.36	1.75	.90	.24				42					6.56
Whitesburg ¶ ..... K	T			.40																									.50	.30			7.50
Williamsburg C	T								.05	.25				.15	T			.05	T		.05	T	.32	.10				.46	*	.65		2.58
Willow, Lock No. 13 ¶ ..... K									.15	.04			.25	.10				.10		.07	.40		.20					.65	.46			2.78
																		.39		.85	.98	.50	.22	.78					.46	.13			4.66

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

? Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Considerable losses resulted from flooding of growing crops, the carrying away of stored crops and other property, and the flooding of buildings with damage to goods and furniture. Highways and railroads were flooded in places causing suspension of traffic. Reports from the lower Cumberland place the total loss near $50,000. Along the Ohio it is estimated at $65,000. The loss in the flood early in the month in western Kentucky is estimated at $500,000. Most of these losses were due to the carrying away of corn that had not been gathered because of the wet weather.

Errata for December, 1926.

Lexington. Maximum temperature 2d 37, instead of 44; 4th 54 instead of 58; 5th 58 instead of 57; 20th 28 instead of 29; mean maximum 42.0 instead of 42.4. Minimum temperature 20th 30 instead of 23; 25th 25 instead of 29; mean minimum 27.9 instead of

Daily Temperatures for January, 1927.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	39	47	52	57	52	51	44	41	28	30	30	36	43	49	26	38	47	58	55	41	54	58	39	37	50	43	40	43	50	64	52	45.0
	Minimum	28	21	26	37	32	21	20	26	24	20	15	14	33	10	6	10	31	37	35	33	44	31	32	33	26	30	18	27	43	41	25	26.5
Blandville	Maximum	33	50	57	59	56	51	44	48	40	29	32	41	43	35	15	35	43	50	53	36	47	39	34	35	45	36	37	48	64	63	52	43.5
	Minimum	27	27	34	36	35	35	24	32	29	20	13	23	39	10	0	12	33	39	32	31	33	25	26	31	28	26	20	35	44	42	29	28.1
Calhoun	Maximum	35	50	52	57	55	52	43	39	36	29	31	35	41	41	21	36	45	45	53	43	48	52	38	38	50	46	38	45	61	63	53	44.8
	Minimum	28	25	33	48	35	32	23	29	28	21	17	19	35	21	0	12	31	38	36	32	41	31	36	32	27	31	19	38	45	44	30	29.4
Earlington	Maximum	39	53	57	61	56	54	49	42	41	35	34	40	51	46	26	39	47	52	56	43	55	60	39	41	51	49	44	46	63	66	55	48.1
	Minimum	17	25	29	39	28	27	19	29	25	20	17	20	36	15	0	9	34	40	35	33	42	30	30	33	27	28	19	37	47	45	25	27.7
Greenville	Maximum	39	53	57	61	56	54	49	42	41	35	34	40	51	46	26	39	47	52	56	43	55	60	39	41	51	49	44	46	63	66	55	48.1
	Minimum	27	21	28	36	30	24	18	25	24	18	15	14	35	19	2	12	30	37	34	31	41	30	29	31	25	29	16	34	44	41	24	26.6
Hopkinsville	Maximum	36	50	55	57	56	55	47	46	43	30	31	40	42	42	25	38	45	52	58	44	59	62	40	39	47	46	39	45	64	63	54	46.8
	Minimum	27	22	26	36	29	28	22	27	24	19	15	18	35	18	1	10	32	37	36	33	43	31	29	32	27	34	18	35	43	44	25	27.5
Marion	Maximum	35	40	55	43	52	50	45	40	36	32	28	36	32	20	16	20	45	46	55	47	49	49	33	34	46	42	37	55	63	63	54	41.9
	Minimum	27	25	32	37	33	33	30	28	24	20	20	28	18	14	− 2	14	28	38	34	31	36	26	26	30	25	30	18	38	40	43	30	27.4
Mayfield	Maximum	45	52	58	61	61	58	57	49	48	38	33	42	43	42	25	36	43	50	56	50	48	48	48	37	43	45	40	47	64	65	61	48.1
	Minimum	25	43	31	36	34	32	24	32	33	22	15	22	36	20	6	12	30	35	34	32	37	25	28	30	25	30	20	22	43	46	28	28.5
Murray	Maximum	54	52	60	61	58	55	46	52	41	34	36	45	44	43	21	38	45	53	57	42	52	60	40	38	45	47	49	46	66	68	56	48.5
	Minimum	31	24	34	37	28	25	23	31	21	21	16	18	36	18	0	10	31	40	36	32	41	30	29	32	28	27	19	29	44	46	23	27.3
Owensboro	Maximum	39	44	53	51	50	46	40	37	39	27	25	34	47	45	15	34	45	45	54	43	48	50	37	37	45	43	38	44	59	62	52	42.8
	Minimum	24	22	27	35	27	22	21	26	24	18	15	13	32	14	4	9	26	36	33	36	36	27	27	27	26	25	16	37	45	39	26	25.7
Paducah (near)	Maximum	52	50	57	59	58	55	48	51	48	35	35	41	44	43	25	37	45	48	50	39	45	47	35	38	47	49	41	49	63	64	57	46.9
	Minimum	30	19	37	36	33	31	22	33	28	22	11	22	31	21	0	12	31	39	35	22	35	27	27	32	27	32	20	30	42	45	22	27.9
Princeton	Maximum	35	46	55	55	53	50	43	45	39	28	30	41	41	41	15	35	46	48	57	42	50	50	35	36	48	45	36	46	64	64	51	44.2
	Minimum	26	23	27	36	30	28	24	28	24	19	16	20	36	14	− 1	11	29	37	35	31	39	30	27	31	27	31	18	30	43	42	28	27.0
Russellville§§	Maximum	32	47	56	55	53	53	40	42	35	22	29	39	44	27	18	35	44	55	52	54	62	...	...	...	...	...	...	...	61	63	52	51	44.8
	Minimum	29	21	27	34	31	27	20	22	26	20	15	15	19	26	0	2	15	35	44	35	38	...	...	...	...	...	...	...	37	19	46	25	†25.1
Central Division.																																	
Anchorage	Maximum	32	44	44	50	46	39	35	32	33	27	22	32	44	41	20	33	46	46	53	42	53	48	38	41	38	32	40	41	59	61	48	40.6
	Minimum	20	20	24	36	32	24	15	22	18	22	7	10	32	14	1	1	24	37	36	33	42	32	33	31	21	24	14	33	41	33	30	24.5
Bardstown	Maximum	34	47	55	50	52	49	40	34	36	26	23	36	49	49	27	36	47	52	56	45	59	62	44	45	58	45	45	54	65	64	52	45.3
	Minimum	21	20	25	28	31	27	18	24	19	19	11	13	33	10	1	6	25	38	36	36	40	24	34	30	23	23	15	37	44	34	24	25.0
Bowling Green	Maximum	36	47	56	57	55	55	49	43	39	30	28	38	49	33	24	37	45	53	58	50	58	62	42	40	50	45	47	49	57	61	53	46.6
	Minimum	27	22	29	37	32	27	20	23	24	19	15	10	26	23	− 1	7	30	36	35	38	48	30	35	35	27	32	17	33	38	45	27	28.0
Dix Dam	Maximum	35	42	46	54	45	44	37	42	40	29	28	35	46	45	37	35	46	41	53	46	58	58	43	40	55	45	41	44	56	62	56	44.6
	Minimum	25	28	36	38	32	29	19	23	20	18	10	8	30	24	0	8	29	32	45	36	44	36	35	34	45	25	15	22	43	45	42	28.4
Eubank	Maximum	35	37	50	54	52	38	40	38	40	37	38	34	40	46	26	32	44	54	53	44	56	63	49	40	41	43	45	42	54	62	50	44.6
	Minimum	25	17	29	37	32	26	16	24	23	18	21	6	30	16	0	− 3	23	26	44	33	46	41	38	36	33	28	16	36	40	46	25	26.7
Frankfort	Maximum	37	44	46	52	46	45	36	34	39	32	28	35	46	44	25	34	46	48	56	43	57	60	41	41	45	42	41	44	56	62	50	43.7
	Minimum	27	23	27	38	35	29	18	25	24	21	14	10	31	24	2	9	27	36	42	37	42	36	35	34	26	25	16	31	43	42	29	27.6
Franklin	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Glasgow	Maximum	45	45	48	56	54	51	43	48	44	35	38	55	48	44	21	19	42	56	58	50	66	64	43	42	50	48	49	50	66	63	53	47.7
	Minimum	18	20	19	30	29	30	19	18	24	19	14	11	33	21	0	8	12	38	34	30	44	38	34	34	28	29	19	28	34	39	25	25.5
Greensburg	Maximum	35	41	50	57	50	51	41	37	38	30	23	36	51	45	25	38	48	57	59	47	64	64	41	41	45	45	46	45	58	65	60	45.9
	Minimum	25	18	23	37	31	23	17	20	19	18	12	5	29	22	0	5	29	36	43	36	44	36	36	38	26	27	15	28	41	44	24	25.8
Irvington	Maximum	33	46	50	52	47	45	37	36	35	25	25	33	44	38	16	35	46	48	55	41	56	58	40	40	46	39	42	43	59	61	49	42.5
	Minimum	27	24	31	38	32	30	22	26	25	19	15	13	32	14	− 1	14	31	39	40	34	41	35	35	33	26	24	17	36	43	35	28	27.7
Junction City	Maximum	32	37	47	49	48	51	38	33	40	28	24	33	45	46	18	35	46	53	56	48	65	64	44	38	46	34	44	44	55	64	48	43.7
	Minimum	25	18	24	35	31	36	30	19	16	18	13	1	18	16	0	2	28	34	43	31	43	38	35	34	24	26	14	26	42	44	21	25.3
Leitchfield	Maximum	34	46	50	52	50	48	39	34	33	27	25	34	48	44	18	35	44	51	55	43	58	62	40	39	47	42	44	42	59	62	51	43.6
	Minimum	25	20	30	37	31	30	20	25	24	19	12	10	33	18	0	10	31	37	37	35	43	35	33	33	28	28	17	34	42	43	27	27.3
Lexington	Maximum	28	41	51	46	42	39	35	31	36	24	18	35	46	41	14	35	43	48	54	51	59	60	40	37	43	34	40	43	58	60	43	41.1
	Minimum	22	21	31	36	33	24	20	24	20	17	10	9	34	3	− 1	9	33	38	36	35	51	34	34	36	28	17	14	36	43	32	28	25.8
Louisville	Maximum	32	45	52	47	45	40	34	33	32	26	23	38	45	39	17	34	45	50	55	40	58	48	38	38	46	34	40	44	62	61	49	41.6
	Minimum	25	24	33	36	34	29	23	25	21	18	15	12	37	4	0	10	33	38	35	32	39	31	33	30	26	19	15	39	44	35	30	26.6
Do (Cherokee Park)	Maximum	37	44	44	50	47	47	36	34	38	29	25	32	45	42	22	33	46	46	54	43	53	57	38	38	45	44	40	42	56	61	49	42.2
	Minimum	25	23	28	37	33	30	21	24	23	21	14	12	36	21	0	10	29	36	36	32	32	31	30	24	24	15	33	41	42	29	26.4
St. John	Maximum	36	34	47	52	51	46	40	34	34	31	23	32	47	43	23	35	45	49	56	43	58	61	48	40	47	39	40	52	61	62	52	43.9
	Minimum	25	18	22	36	29	25	20	24	20	17	11	9	30	23	− 2	8	29	35	37	33	33	35	31	32	24	20	14	34	42	36	24	25.0
Scott	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Shelbyville	Maximum	36	45	44	51	46	43	35	33	36	30	26	32	45	43	18	32	46	46	55	42	54	58	40	40	47	36	41	42	55	61	47	42.1
	Minimum	24	20	21	36	31	23	15	21	17	20	12	9	30	12	1	6	25	33	30	33	40	34	33	32	22	24	13	31	41	40	24	24.3
Taylorsville	Maximum	34	45	44	52	49	44	38	34	35	29	25	32	45	43	23	33	46	42	56	43	55	59	40	39	44	42	40	43	56	62	48	43.0
	Minimum	26	20	24	38	32	25	17	23	18	18	13	9	30	23	2	7	26	26	39	35	45	34	35	33	24	25	16	30	41	40	26	25.8
Williamstown	Maximum	35	40	41	46	43	41	34	32	34	32	25	33	42	42	21	36	44	45	53	40	54	58	37	36	44	36	37	39	54	58	45	43.7
	Minimum	22	20	27	31	33	26	15	21	20	19	6	6	28	19	− 2	4	22	32	38	32	38	32	31	30	23	20	10	30	40	40	29	23.9
Eastern Division.																																	
Ashland	Maximum	38	43	47	53	43	43	41	38	40	38	26	35	45	49	29	26	45	46	59	57	66	66	39	39	40	40	40	41	55	55	51	44.1
	Minimum	26	24	36	39	33	34	25	23	25	21	12	10	28	28	8	2	21	36	41	39	55	39	35	35	25	25	18	29	40	51	34	28.6
Beattyville	Maximum	35	47	49	52	46	47	38	35	42	29	28	39	50	45	19	33	47	53	55	51	68	64	47	41	52	37	44	48	58	65	47	45.5
	Minimum	21	16	25	38	36	27	17	18	28	21	4	6	23	18	5	4	21	33	45	43	48	42	40	38	32	28	16	25	41	45	30	26.7
Berea	Maximum	35	43	47	53	47	44	36	34	41	29	23	37	48	46	25	34	45	54	57	55	67	64	44	39	48	42	46	46	55	60	45	44.8
	Minimum	25	20	29	38	34	27	16	22	22	19	7	− 1	33	24	2	4	30	36	46	38	45	39	37	35	28	27	15	35	42	45	29	27.4
Farmers	Maximum	34	46	49	54	43	42	40	34	42	35	39	42	48	49	35	33	47	49	57	55	66	65	41	40	47	45	46	48	57	64	50	46.2
	Minimum	24	18	32	37	30	25	18	20	18	19	5	1	25	25	0	10	21	29	42	37	41	35	36	33	25	22	12	24	39	43	27	25.2
Hindman	Maximum	38	43	49	44	44	47	39	35	42	36	28	38	51	45	29	32	42	52	56	57	69	72	48	46	49	43	45	47	59	63	51	47.1
	Minimum	27	19	28	39	35	28	21	18	29	26	17	4	22	28	7	0	19	34	44	48	50	45	44	40	37	28	15	24	43	47	28	28.6
Maysville	Maximum	36	43	44	51	47	43	36	33	37	34	29	38	46	46	25	29	47	47	56	46	57	59	44	40	47	39	40	45	56	60	49	43.8
	Minimum	26	26	31	38	40	28	23	24	19	21	5	6	28	24	2	4	19	30	42	35	40	36	34	30	24	35	13	26	41	46	32	26.6
Middlesboro	Maximum	39	40	46	52	53	52	48	40	46	43	37	34	45	45	43	38	38	50	53	60	68	70	68	56	48	48	47	46	49	61	51	48.8
	Minimum	24	15	21	34	31	24	19	15	25	17	13	7	21	26	0	0	28	31	38	49	54	54	49	46	37	32	16	29	34	41	27	27.3
Mount Sterling	Maximum	34	41	46	49	42	46	34	33	41	30	26	35	46	42	16	34	47	47	53	45	65	62	39	39	46	37	40	42	55	58	43	42.0
	Minimum	26	18	26	35	33	27	16	22	19	18	9	2	27	22	2	8	18	33	43	36	42	36	36	32	23	20	12	27	40	46	30	24.4
Quicksand	Maximum	36	46	50	54	47	46	38	36	43	33	30	41	54	52	30	35	46	54	57	57	70	66	48	42	50	40	45	50	60	66	52	47.4
	Minimum	27	19	28	40	36	28	21	19	29	21	8	6	25	28	6	4	21	33	45	44	44	45	40	39	30	20	20	8	17	34	30	26.9
Richmond	Maximum	37	43	55	53	47	45	37	34	42	30	30	35	45	45	25	36	45	50	55	55	64	65	44	42	50	42	42	43	54	59	52	45.1
	Minimum	25	21	29	37	34	31	20	21	24	24	8	6	31	25	2	8	23	35	45	42	44	45	38	35	26	28	16	34	41	44	30	28.3
Sergent	Maximum	...	...	60	45	50	51	52	47	52	51	36	50	56	50	30	41	44	56	60	68	76	75	70	54	55	61	61	65	63	71	49	†53.3
	Minimum	...	...	45	30	25	15	19	15	20	19	17	5	22	27	5	6	10	24	31	36	53	50	49	38	30	30	16	29	44	49	29	†27.2
Williamsburg	Maximum	38	52	54	59	50	56	46	39	46	35	32	27	37	50	38	33	34	42	53	57	61	74	58	69	47	50	45	52	48	53	65	49.7
	Minimum	26	32	29	42	36	26	19	13	24	20	11	6	25	26	3	4	28	36	47	50	55	50	48	40	37	33	17	28	41	47	27	29.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

† Incomplete; reports for 1, 2, 3 etc., days missing from record.

‡ Record at Louisville, 3 16 '27 1000.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

XXXII LOUISVILLE, KY., FEBRUARY, 1927. No. 2

GENERAL SUMMARY.

e average temperature for the month equaled the highest cord. The prevailing warm weather caused grasses and r grains to begin growing. Peach buds expanded until showed color, and some shrubs began putting out leaves. condition of plant activity was similar to that usually ob- d a month later. A few periods of subnormal temperature o to three days duration, accompanied on the 10th and th by considerable snow, were timely and beneficial in ing premature growth of vegetation. The temperature s was greatest in the southern and western counties, where anxiety prevailed in regard to the fruit crop. Wheat, clover, alfalfa, and bluegrass on warm well-drained soils a good start. These crops emerged from the winter in condition, with a minimum of damage from lifting freezes. was some snow cover from the 19th to 21st, but as a rule now melted off soon after it fell. Although precipitation ess than the normal amount, its frequency kept the soil ally too wet to be worked. A little plowing was accom- d in the southwestern counties, otherwise outdoor work e farm was limited to the usual midwinter activities, or owing of a few tobacco plantbeds toward the end of the n. Roads improved slowly because of the relatively light pitation and absence of deep freezes, but continued gener- n bad condition. The mild weather favored the handling acco, which could readily be stripped and moved to market ctically any time in the month. Except during the few days stock, especially young lambs, fared much better usual in this month. The mild weather had a marked in increasing the egg supply, with a consequent reduction ce.

TEMPERATURE.

e average temperature for the State, 42 stations reporting, 5.6°, which is 9.6° above normal and the same as the average for February, 1890. In the long periods of high rature the excess of the daily average above normal ranged 10° to 25° on many days. Temperatures somewhat below l occurred in the periods 10-11th, 19th-21st, and 26-28th. na ranged from 70° to 80° on several days. Minima, n the colder periods, were exceptionally high. Extremes 81° at Hopkinsville on the 17th, and 15° at Greensburg wensboro on the 21st.

PRECIPITATION.

cipitation for the State, based on reports from 78 stations, .63 inches, which is 0.88 inch less than normal. In the western counties and along the Ohio River, it ranged be- 1.60 and 2.50 inches. In general there was an increase ard to 4.5 inches in the southeastern mountain region. pitation was remarkably frequent, occurring in measurable at in the central and eastern counties on nearly every day month. Daily amounts, however, were light to moderate. rincipal periods with more or less general precipitation 1st-7th, 10-14th, and 17-26th. The extremes were 4.67 at Hazard and 0.80 inch at Grant, Boone County. The nowfall ranged between a trace in the southern and 12 in the northeastern counties. An east-west belt across the north-central part of the State received from 5.0 to 8 inches, but the amount decreased sharply to only 1.0 inch in the extreme northern counties.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest	Date	Lowest	Date	Wind. Total movement.	Av. hourly velocity	Max. Velocity * Miles per hour	Direction	Date
Cairo ..... Ill.	30.06	30.50	28	29.60	17	8193	12.2	50	n.	18
Cincinnati ..... Ohio	30.05	30.52	28	29.61	17	6294	9.4	34	ne.	18
Evansville..... Ind.	30.08	30.55	28	29.62	17	6604	9.7	35	nw.	25
Lexington ..... Ky.	30.05	30.52	28	29.64	17	5967	14.8	52	nw.	25
Louisville ..... Ky.	30.06	30.54	28	29.62	17	8135	12.1	44	w.	25

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	82	69	66	150.2	303.5	46	9	7
Cincinnati ..... Ohio.	87	71	72	136.4	300.9	45	5	7
Evansville..... Ind.	82	68	69	157.3	302.2	52	8	7
Lexington ..... Ky.	88	78	..	109.1	302.2	36	4	12
Louisville ..... Ky.	79	65	65	159.8	302.2	53	8	8

COMPARATIVE DATA FOR FEBRUARY.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01 in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889	34.1	− 1.9	74	3	1.91	−1.62	..	..			....
1890	45.6	+ 9.6	86	16	7.98	+4.45	..	..			....
1891	42.2	+ 6.2	76	0	4.72	+1.19	..	..			....
1892	42.2	+ 6.2	70	11	2.92	−0.61	..	..			....
1893	37.7	+ 1.7	70	3	4.40	+0.87	..	..			....
1894	34.6	− 1.4	74	2	4.66	+1.13	..	..			....
1895	25.9	−10.1	80	−18	0.66	−2.87	5	12	8	8	....
1896	37.4	+ 1.4	81	−12	3.06	−0.47	9	9	8	12	....
1897	39.8	+ 3.8	76	8	5.75	+2.22	11	8	7	13	1.2
1898	37.4	+ 1.4	77	− 3	1.61	−1.92	6	10	8	10	2.6
1899	26.2	− 9.8	71	−33	3.97	+0.44	11	9	6	13	10.8
1900	32.5	− 3.5	76	− 9	4.68	+1.15	12	7	8	13	7.0
1901	32.4	− 3.6	71	1	1.27	−2.26	6	10	7	11	2.1
1902	27.9	− 8.1	69	− 3	1.30	−2.23	7	10	6	12	2.8
1903	37.5	+ 1.5	75	−16	7.28	+3.75	9	11	4	13	6.1
1904	35.2	− 0.8	75	− 2	2.52	−1.21	7	11	8	10	2.6
1905	27.9	− 8.1	67	−16	2.44	−1.09	9	10	5	13	3.9
1906	34.7	− 1.3	75	−12	1.81	−1.72	7	16	5	7	5.9
1907	35.7	− 0.3	73	−10	3.06	−0.47	9	11	5	12	7.6
1908	35.6	+ 0.4	70	2	5.56	+2.03	13	9	5	15	3.1
1909	42.4	+ 6.4	75	− 8	8.17	+4.64	11	12	4	12	1.0
1910	32.9	− 3.1	66	−12	4.70	+1.17	10	12	4	12	11.9
1911	42.0	+ 6.0	80	11	3.25	−0.28	9	10	4	14	0.4
1912	29.7	− 6.3	68	−14	3.08	−0.45	7	10	5	14	3.3
1913	34.8	− 1.2	77	− 2	2.94	−0.59	7	14	5	9	1.4
1914	32.2	− 3.8	69	− 2	4.14	+0.61	11	10	5	13	7.2
1915	41.9	+ 5.9	75	13	1.74	−1.79	8	9	6	13	0.2
1916	35.0	− 1.0	72	− 4	2.99	−0.54	9	11	6	12	5.0
1917	34.8	− 1.2	80	9	3.51	−0.02	8	9	8	11	4.7
1918	39.3	+ 3.3	83	− 8	2.04	−1.49	7	11	7	10	0.6
1919	38.6	+ 2.6	69	12	1.79	−1.74	9	11	5	12	1.1
1920	35.7	− 0.3	71	0	2.27	−1.26	0	8	5	16	3.8
1921	41.3	+ 5.3	77	11	3.20	−0.33	19	8	5	15	8.9
1922	41.3	+ 5.3	76	4	3.58	+0.05	10	8	6	14	0.8
1923	34.6	− 1.4	74	− 4	4.67	+1.14	10	10	5	13	1.6
1924	36.0	− 0.0	71	9	2.56	−0.97	9	9	5	5	1.9
1925	44.0	+ 8.0	76	8	3.91	+0.38	0	12	6	10	0.6
1926	41.1	+ 5.1	70	4	3.14	−0.39	19	8	7	13	1.4
1927	45.6	+ 9.6	81	15	2.65	−0.88	11	10	6	12	4.2

Climatological Data for February, 1927.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	23	46.9	+10.7	76	16	17	22	41	1.90	−1.28	0.90	3.0	4	13	12	3	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	45	46.2	+ 9.4	71	5†	22	11†	30	2.55	−2.98	0.64	3.0	7	5	4	19	n.	E. W. Horr.
Calhoun	McLean	437	23	47.6	+ 9.9	74	5†	24	21	42	2.52	−0.74	0.64	3.0	9	3	13	12	sw.	W. A. Taylor.
Earlington	Hopkins	420	37	47.1	+10.8	77	17	20	11	42	2.40	−1.20	0.92	0.8	13	11	2	15	sw.	Brick Southworth.
Greenville	Muhlenburg	519	10	47.2	+ 7.9	77	17	18	11	42	3.48	+0.14	1.83	0.5	10	11	11	6	s.	C. R. Lovell.
Hopkinsville	Christian	524	31	48.0	+ 9.6	81	17	20	11†	42	1.89	−1.80	0.96	T.	9	10	5	13	n.	W. E. Graves.
Marion	Crittenden	571	29	46.4	+ 9.4	73	17	22	11†	39	2.23	−0.81	1.10	3.0	5	7	3	18	sw.	B. C. Paris.
Mayfield	Graves	364	18	48.2	+10.2	75	17	23	11	44						3	15	10	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	1	46.8		77	17	18	11	40	1.95		0.93	0.0	3	13	4	11	s.	Harry B. Arnold
Owensboro	Daviess	479	30	44.3	+ 9.6	72	17	15	21	39	1.81	−1.74	0.68	1.0	7	9	5	14	s.	Henry S. Berry.
Paducah (near) §	McCracken	516	10	48.1	+ 6.4	74	17	22	11	40	2.37	−0.29	0.75		7	9	8	11	sw.	J. W. Lilley
Paducah	McCracken	341	38								1.69	−1.92	0.50	0.5	7					Frank L. Brown.
Princeton	Caldwell	529	20	45.5	+ 9.1	76	17	20	11	37	2.50	−1.69	1.35	0.6	11	7	7	14	n.	Dr. W. L. Cash.
Ramsey, Lock 2 ‡	McLean	384	10								2.44	−0.28	0.70	2.0	11					Thos. L. Wetzell.
Russellville	Logan	590	16	45.6	+ 8.2	77	17	21	11	34	1.67	−2.00	0.65		8	15	3	10	n.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	26	43.0	+10.0	72	5†	20	21	33	1.81	−1.03	0.78	6.5	9	15	3	10	sw.	C. E. Barret.
Bardstown	Nelson	637	30	44.3	+ 8.6	77	17	20	11†	38	3.30	−0.37	0.60	4.0	9	13	2	13	ne.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	38	47.7	+10.1	79	17	21	21	40	2.49	−2.18	0.64	0.5	8	13	7	8	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	2								2.60		0.90		15					J. Frank Thomas.
Brownsville, Lock 6 ‡	Edmonson	410	10								2.63	−1.57	0.77	0.6	16					Virgil M. Whalin.
Brownsville	Edmonson	773	36								3.41	−0.68	0.52	2.0	14					F. E. Bradshaw.
Burnside	Pulaski	422	28								1.61	−1.17	0.34		15					Charlie Oliver.
Carrollton, Lock 1	Carroll	422	13								1.62	−1.01	0.34	5.0	12					W. A. Cockerill.
Cloverport	Breckenridge	489	1								2.16		0.55	1.1	16					W. L. Patchell.
Cold Spring, Dam $6	Campbell	770	3	*46.0		74*	17	22*	21	29*	2.45		0.60		14	12*	5*	10*		G. D. Glass.
Dix Dam, Burgin	Mercer	1177	33	47.4	+12.8	76	17	24	21†	33	2.20	−1.66	0.70	2.0	10	5	6	17	s.	Mrs. Katie Payne.
Eubank	Pulaski	560	35	45.2	+ 9.8	73	17	20	11	42	2.60	−0.96	0.78	4.0	11	13	1	14	s.	Sidney Wood.
Frankfort	Franklin	691	32																	Jos. H. Blewett.
Franklin	Simpson	449	16								2.21	−0.85	0.62		14					Albert Purvis.
Gest, Lock 3	Henry	780	6	49.0		79	8	21	21	42	2.87		1.40	0.5	9	12	8	8	s.	Dr. Fidella Edwards.
Glasgow	Barren	506	2								0.80		0.36		8					Bert Ross.
Grant, Dam 38	Boone	581	34	45.4	+10.5	78	17	15	21	44	3.00	−1.02	1.24	3.0	16	3	5	20	n.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	550	25								2.28	−0.97	0.37	5.5	13					Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	646	29	45.8	+11.5	74	17	21	21	44	2.44	−0.89	0.96	5.2	8	12	3	12	sw.	W. J. Piggott.
Irvington	Breckenridge	395	33	44.9	+10.3	76	17	21	11	47	3.20	−0.54	1.24	4.8	19	11	11	6	w.	William E. Grubbs.
Junction City	Boyle	1032	1								1.58		0.45		15					L. J. Vanhook.
Lancaster	Garrard	665	31	45.8	+10.6	75	17	20	11†	41	3.00	−0.48	1.05	6.0	10	10	7	11	sw.	H. H. Willis.
Leitchfield	Grayson	989	43	43.4	+ 8.0	72	17	21	21	38	1.87	−1.36	0.53	7.6	13	6	8	14	sw.	U. S. Weather Bureau.
Lexington	Fayette	523	16								2.45	−0.80	0.50	3.0	14					Horace Canter.
Little Hickman, Lock 8 ¶	Jessamine	476	17								1.55	−1.07	0.32	6.7	12					Andrew J. Keenan.
Lockport, Lock 2	Henry	525	54	44.9	+ 7.4	71	17	24	19	26	2.02	−1.73	0.67	8.8	10	5	9	14	n.	U. S. Weather Bureau.
LOUISVILLE	Jefferson	534	17	44.4	+ 8.7	71	5†	21	11	42	1.71	−1.11	0.50	5.1	10	10	4	14	s.	Wm. L. Hunt.
Do (Cherokee Park)	Do.	600	2								1.70		0.33	3.0	9					C. R. Richardson.
Munfordville	Hart	777	31	42.0	+ 9.0	73	17	18	11	47	1.85	−1.87	0.78	5.5	9	14	6	8		Sisters of Loretto.
St. John	Hardin	490	13								3.08	−0.13	0.50	5.0	11					Ernest M. Searcy.
Salvisa, Lock 6 ¶	Mercer	900	29																	E. B. Wilson
Scott ¶	Kenton	825	38	43.0	+ 9.2	74	17	19	21	43	2.70	−1.10	0.68	6.0	13	6	7	15	sw	Miss Ruth Ratta.
Shelbyville	Shelby	489	25	44.6	+ 9.2	72	17	20	11	41	2.80	−0.96	0.82	4.6	12	10	6	12	sw.	E. D. Bourne.
Taylorsville	Spencer	526	9								1.68		0.55	5.0	7					H. K. Vaughn.
Tyrone, Lock 5 ¶	Anderson	943	24	40.8	+ 8.8	67	17	17	11	40	2.27	−0.36	0.48	11.5	13	7	5	18	nw.	Mrs. E. S. Humlong.
Williamstown	Grant	533	10								2.77	−0.79	1.04	2.0	13					J. C. Stinson.
Woodbury, Lock 4 ‡	Butler																			
Eastern Division.																				
Ashland	Boyd	534	10	44	43 + 7.5	70	17†	22	11	39	3.06	0.0	0.94	7.0	14	5	0	23	w.	Curtis Purvis.
Beattyville	Lee	650	23	45.5	+ 9.8	79	17	21	21	40	3.20	−0.67	0.76	3.2	18	10	4	14	w.	Robert S. Smallwood
Berea	Madison	1070	25	45.6	+ 9.8	75	17	23	21	46	2.36	−0.75	0.98	3.0	16	4	14	10	sw.	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	17								3.13	+0.47	0.70	5.5	17					Kelly Walden
Cynthiana	Harrison	684	9								2.48	−0.40	0.52	7.0	13					P. H. Kehoe.
Falmouth	Pendleton	600	38								2.62	−0.74	0.71	4.0	10	8	5	15	se.	J. V. Oldham.
Farmers	Rowan	668	19	44.7	+ 9.1	78*	17	21*	1	40*	2.81	−0.19	0.93	12.0	6	10	3*	13*	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	2								2.81		0.80		9					C. A. Glascock
Ford, Lock 10 ¶	Clark	593	11								1.88	−0.96	0.41	4.8	14					John A. Walters.
Grayson	Carter	589	2								3.76		0.98	9.0	13					Col. Frank Powers.
Greenup, Dam 30	Greenup	540	7								2.86		0.70	8.0	17					T. Mitchell.
Harlan	Harlan	1197	2																	Mrs. Agnes Farley
Hazard	Perry	869	3								4.67		2.08	2.0	8					Chas. O. Hurig.
Heidelberg, Lock 14	Lee	664	10								2.84	−0.53	0.83	5.0	13					S. C. Cole.
Hindman	Knott	1032	2	44	5	75†	17	24*	1	39*	4.56		0.98	3.5	15	10	6	12	w.	Miss Lake Napier.
Jenkins	Letcher	1566	2								4.04		0.98		13					R. R. Davidson.
Louisa	Lawrence	584	23								4.17	+0.84	0.90	7.0	9					Russian Copley
Maysville	Mason	524	30	43.8	+10.8	72	17	17	11	43	2.43	−0.90	0.58	6.0	11	7	6	15	s	Perry E. Bennett
Middlesboro	Bell	1128	31	48.2	+ 9.3	74	17†	20	1	40	3.10	−1.73	0.56	6.1	10	14	10	4		Matthew Woodson.
Mount Sterling	Montgomery	930	37	43.0	+ 9.6	76	17	20	11	39	1.77	−2.22	0.30	5.7	14	11	4	13	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	8								2.07		0.51	6.0	12					Andrew M. Stanforth.
Pikeville	Pike	636	21								3.86	+0.52	1.06	5.0	11					Robert Repass.
Prestonsburg	Floyd	640	2								4.23		1.48	3.0	10					F. C. Hall.
Quicksand	Breathitt	732	2	46.5		78	17	24	1	40	4.34		1.06	3.5	16					R. W. Jones.
Ravenna, Lock 12	Estill	631	9								3.78		1.10		11					Walter P. Bush.
Richmond	Madison	926	36	45.8	+ 10.5	76	17	20	21	42	2.56	−0.88	0.76	4.7	12	10	6	12		I. W. Crooke.
Sergent	Letcher	1235	4																	R. P. Crawford.
Valley View, Lock 9	Madison	541	14								2.69	−0.66	0.60	5.0	13					Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	12								2.45	1.45	0.85		6					H. M. Fannin.
Wayland	Floyd	700	1																	
Whitesburg	Letcher	1142	2								4.16		0.98	6.5	18					G. H. Zimmerman.
Williamsburg	Whitley	939	30	49.2	+10.4	76	16	21	21	39	4.56	+0.96	1.10	2.0	13	15	8	5		Laurence R. Chl.
Willow, Lock 13	Lee	611	8								2.97		0.73		12					Shelby Angel.
State averages and extremes				45.6	+ 9.6	81	17	15	21	47	2.65	−0.88	2.08	4.2	11	10	6	12	nw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. †† Received too late to be included in means and summaries.

¶ Postoffice addresses.—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

T Precipitation is less than 0.01 inch.

§ Lone Oak.

MISCELLANEOUS.

Flood.—The flood late in January preceding culminated in the lower Ohio on Feb [illegible] crest 1.0 to 1.5 feet above flood stage from Paducah to Cairo. Losses [illegible] ...ond [illegible] ...ver. The Evansville district, and along the Barren and Green rivers, mostly [illegible] ...ber of buildings and suspension of business are estimated at $75,000 to [illegible] ...ers continued at moderately high stages during the remainder of the month.

Precipitation data on summary page for Harlan, should be for Greenup. No data for Harlan.

Errata for January, 1927.

Daily Precipitation for February, 1927.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
enver Dam ..... G	.50				.20																											
landville ..... M		.46				.46				.14			.15				.53	.61	.90	.36												
alhoun ..... O	.30	T.	.01	.04	T	.54				.08			.32	T.				.64	.13													
arlington ..... G		.46			.01	.30	.08			T.	.02	.03	.10	.18				.92	.42	.14					T							
reenville ..... G	.40	.03		.10		.16				T.		.04	.70					1.83	.22	.04	.03	.01										
opkinsville C	.37	.01		.01		.12						.02	.30					.96	.10	.02	.01											
arion ..... O	.23			T.	T.	1.10				T.			.32					.38	.06		.04											
ayfield ..... M																			.20	T.		T										
urray ..... T			.53																													
wensboro ..... O	.26	T				T							.49					.93														
adueah (near) ¶ ..... O	.50												.20					.68	.05	.09	.20			.03	T							
adueah ..... O		.42				.42	.06			T.	T.	T.	.35					.75	.05	.05												
rinceton ..... G	.45		T.	.08	.01	.13				.05		.08	.27	.01		T.		1.35	T.	.06	T		T.									
unsury, Lock No. 2 ..... G		.33			.04	.27	.24			T.	T.			.30				.70	.14	.16	.10	.10	.06									
assellville ..... G		.25		.02		.07						.07		.50				.65	.05				.06									
Central Division																																
nchorage ..... O	.04					.02				.10			.22	.16		T.		.78	.01	.33	T.	.15										
ardstown ..... S	.50				.25								.49	.40				.60	.30	.45		.21		.10								
owling Green ..... G	.64			.05		.03						.22	.50					.50	T.	.25	T.	.30										
owling Green, No. 2 ..... G		.19		.04	.11	T.	.09				.04	.07	.31	.06			.03	.90	.27	.14	.09	.02	.21									
oonsville, Lock No. 6 ..... G		.44		.03	.09	.06	.11			T.	.02	.23	.24				.03	.77	.23	.01	.02	.03	.28		.04							
arrisbe C		.15		.06	.06	.46	.15	T.			T.		.16	.07			T.	1.35	T.	.06		.01										
arrollton ¶ (Lock No. 1) ..... K		.03			T.	.24						.03	.38	.02			.40	.43	.45	.40	T.	T.	.52	.04	.06							
overport ..... O		.22			.01	.20	T.			T.	.05		.20				.04	.12	.16	.34	.11		.09		.12	.01	.02					
ld Spring, Dam 36 ..... O			T.	.08	.01	.13				.05		.08	.27	.01		T.		1.35	T.	.06	T.		T.									
x Dam, Burgin ¶ ..... K		.08			.08	.08				.03	.03		.16	.38		.02		.18	.01	.08	.02	T.	.22		.16	.03	.02	T.				
dbank C		.15				.05					.03	.03	.23	.40				.14	.60	.29		.17		.19	T.	.08	.05					
ankfort ..... K		T.			.05	.04						.07	.12	.14				.15	.70	.30	.20		.32									
anklin ..... G										.05			.25	.78					.28	.46	.41	.07	T.	.11		.10	T.					
st. Lock No. 3 ..... K		.06			.12	.02				T.	.05		.12	.62		T.	.11	.30	.34	.07	.03	.32		.11	.04	T.					
asgow ..... G	.32		.09			.44				T.			.11	.18				.11	1.40	.05	T.					.15						
ant, Dam 38 ..... O		T.	T.		.36	T.	T.			.02	.03									.06	T.	T.	.03		.01	T.	T.					
eensburg ..... G	.28	.03	T.	.02		.07				.03		.12	.28			.05	.15	1.24	.05	.24	.05	.27	.01		.05							
gh Bridge, Lock No. 7 ..... K		.05			.06	.05	.07					T.	.33	.30			.04	.31	.37	.35	.20	T.	.08		.07							
ington ..... O	.16			T.	.24					.05		T.	.40	.13		T.		.96	T.	.35	T.	.15		T.	T.							
ncaster ..... K	.32	.02		.01	.08	.10	.01			.05			.56	.25		.04		1.24	.04	.07	.12	.06	.06		.12	.01						
tchfield ..... G	.10			.01	.03	.02	.05	.02			.02		.02	.10	.45		.33			.27	.08		.03		.05							
xington *** ..... K	.45		.10	T.		.10				.05		T.	.65	.05				1.05	.05	.40		.01	.03	T.								
tle Rickman, Lock No. 8 ..... K		.11		T.	.05	.05	.21			.08		T.	.39	.13		.01		.26	.31	.31		.02	.01		.16	T.	T.					
kport, Lock No. 2 ..... K	.04			.12	T.	T.					T.	.05	.22	.41			.08	.50	.34	.13	.05	T.	.15		.10							
isville*** ..... O	.05		T.	T.	T.	T.				.05		.08	.11			T.	.28	.18	.32	.08	.02	.13		.14		T.					
e. (Cherokee Park) ..... O	.04				T.	.03				.08			.32	.05		.02		.48	.26	.48		.15			.09	T.						
nfordville ..... G		.30			.04								.50	.03		.03		.36		.37		.17	.03		.10	T.						
John ..... S	.26		.04		T.	.10	T.			.13		.05				T.		.78	.03	.18		.28										
visa, Lock No 6 ..... K					T.	.18	.14						.50	.42		T.		.26	.50	.48	.10	.15	.15		.20							
tt L																																
lbyville ..... S	.06		.05		.02	.03				T.			.30	.61		.02		.68	.01	.50	.08	.22	T.		.12							
lorsville ..... K	.05				.04	.21				.02			.28	.82		T.		.78	.15	.21	.07	.06	T.		.11							
one, Lock No. 5 ..... K					T.	.10				T.		.29	.30					.55	.24	.05		.15	T.									
liamstown L	.02				.15	.05				.12			.38	.35			.05	.48	.07	.20		.30	.05		.15							
odbury, Lock No. 4 ..... G		.46		T.	.16	.07					.02	.04	.12	.48				1.04	.06	.10	.10		.10		.02							
Eastern Division																																
land ..... O		.03			.44	.05	.10				.04		.18	.22				.18	.24	.37	.10		.10			.19	.12					
ttyville ..... K		.11	T.	.01	.09	.10	.14		.02	.03	T.	.06	.12	.13			.26	.34	.76	.46	.02		.33	.01	T.	.15						
a ..... K	.02		.04	T.	.06	.22				.03		.02	.18	.08			.04	.98	.30	.21	.02	.03	.03		.10	T.						
ree Hill, Lock No. 11 ..... K		.15		.02	.25	.08	.20	.08			.02	.06	.10	.35			.18	.35	.70	.85	.10		.05		T.	.10	T.					
thiano L		.02	T.		.10	T.	.29				.10		.15	.62			T.	.05	.52	.45	.10		.08		.04	.05	T.	T.				
nouth L					.20		.01			T.	.11		.25	.71			.01		.34	.44	T.		.39		.16							
mers L					.22								.60	.20				.86	*	.80	T.											
ngsburg L					.26	.20				.15		.25	.35					.35	.80	.30		.15										
d, Lock No. 10 ..... K		.08	T.	T.	.10	.05	.11	T.			.02	.01	.28	.24			.03	.30	.41	.15	.05		.08	T.		T.						
sson ..... O		.06			.34	.12					.05		.47	.14				.32	.30	.15	.70		.98	.06		.07						
nup, Dam 30 ¶ ..... O			.12		.37	.05	.08				.09		.17	.40	.01		.03	.18	.76	.32	.05		.05		.10	.12	.02					
an ..... K																																
rd ..... K												T.	.21					.46	.33	.51	.21	T.	.62	2.08	T.	.25	T.					
lsberg, Lock No. 14 ..... K		.11		.09		.15				.06	.07	.14	.16					.33	.31	.83	.40	.04				.15						
buan ..... K			.18		.35	.11	.13			.07		.04	.20				.07	.39	.80	.30	.35		.40	.98		.13						
sa ..... K		.05		.45		.13	.05			.16			.49	.04				.40		.98	.54	.30		.71			.34					
sville ..... B			.14		.41									.10					.90	.80	.10	.70			.60							
llesboro ..... O		T.		.30	.04	.83				T.		T.	.23	.58		.10		.12	.10	.41	.06		T.			.20						
rt Sterling C	.15		.32	.05	.29					.10		.08	.70					.08	.10													
nta Dam 35 ¶ L	.12		.09		.03	.19					.05	T.	.20	.09		.03		.14	.21	.01	.53	.96										
ville ..... O				.51		.14				.05	.08		.12	.42		T.		.06	.22	.30	.08	.02		.22	T.	T.						
nsburg ..... B		T.		.12	.08	.12	.06	.10				T.		.16			.32		.80	.13	.06		.06	T.	.22							
ksand ..... K				.27	.35	.16							.22				.29		.79		.80		1.06	.18								
nna, Lock No. 12 ..... K		.12	T.	.26	.13	.15				.15			.12	.04	.15	.17		.44	.30	1.06	.58	.06		.46	.13		.23					
mond ..... K		.60	T.	.12	.15	.10	.15				.02		.12	T.		.62		.14	.45	1.10	.55	T.		T.	T.							
ent ..... K	.10		.03		.05	.40		T.		.02		T.	.53					.13	.76	.25	.22		T.	.05		.02						
y View, Lock No. 9 ..... K	.18			.20	.35					.10		.10	.66			.08		.10	.31	.17		.12	.28		.10							
eburg, Dam 32 ..... O		.10		.48	.02	.30								.85					.70													
audi ¶ ..... B																																
esburg ¶ ..... K		.06	.02	.14		.30	.13	*	.25				.31	.09				.25	.65	.68	.10	.02		.98	.05		.11	.02				
ansburg C		.19		.10		.50	.20	.03					.50	.20				.30	.43	.48	.33		1.10	.20	T.							
w, Lock No 13 ¶ ..... K		.12		.15	.12		.36						.09	.19				.15	.65	.73	.17		.04	.20								

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the me of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

¶ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (R) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for February, 1927.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	49	56	64	74	67	65	58	61	56	46	47	50	57	62	67	76	75	64	70	36	33	54	67	63	58	53	44	43	..	..	..	57.7
	Minimum	29	38	45	54	48	47	30	28	34	30	20	32	47	33	51	45	44	51	29	26	24	17	46	40	40	28	28	27	..	..	..	36.1
Blandville	Maximum	41	49	66	70	71	64	57	48	44	37	44	49	56	63	66	69	71	61	38	34	57	60	66	64	51	56	39	37	..	..	..	54.6
	Minimum	33	37	57	51	60	46	34	35	35	28	22	33	44	48	36	57	50	25	22	26	28	43	44	43	40	32	26	25	..	..	..	37.9
Calhoun	Maximum	50	49	67	62	74	69	58	60	57	46	45	52	55	67	62	70	74	72	34	35	55	55	69	66	65	51	46	43	..	..	..	57.4
	Minimum	37	38	45	45	53	49	33	33	35	29	25	37	44	52	36	55	47	30	25	25	24	43	47	45	40	30	29	28	..	..	..	37.8
Earlington	Maximum	55	51	67	64	74	66	55	60	53	44	45	49	57	63	63	67	77	70	48	35	55	57	67	63	58	54	40	42	..	..	..	57.1
	Minimum	31	38	48	50	47	49	30	29	33	29	20	33	41	53	33	57	43	28	34	26	26	48	46	40	41	29	28	28	..	..	..	37.1
Greenville	Maximum	51	58	69	69	77	69	58	59	56	49	49	49	59	70	65	71	77	70	34	36	56	57	68	65	65	54	50	48	..	..	..	59.1
	Minimum	25	36	45	47	52	47	30	28	35	29	18	32	43	50	32	56	44	28	24	24	21	42	46	41	40	25	25	27	..	..	..	35.4
Hopkinsville	Maximum	51	49	71	72	75	69	60	62	58	46	46	48	60	70	67	72	81	70	40	34	59	58	70	67	62	56	51	45	..	..	..	59.6
	Minimum	28	36	46	51	58	48	33	32	36	31	20	34	42	50	35	51	53	28	24	25	20	41	47	37	41	25	28	25	..	..	..	36.5
Marion	Maximum	48	48	64	65	72	66	56	57	46	40	45	51	56	63	61	68	73	64	37	36	58	56	68	64	51	53	40	42	..	..	..	55.2
	Minimum	34	36	45	48	50	48	33	40	35	29	22	40	42	51	36	53	52	25	22	25	25	46	46	44	40	30	27	26	..	..	..	37.5
Mayfield	Maximum	55	50	70	71	72	69	58	59	60	43	46	47	57	65	68	74	75	72	42	37	57	60	70	67	62	55	52	37	..	..	..	58.9
	Minimum	32	36	40	51	60	49	35	34	32	30	23	27	48	50	36	56	52	28	24	27	38	40	46	42	41	30	27	25	..	..	..	37.6
Murray	Maximum	46	52	70	75	68	66	60	63	53	42	50	47	60	68	72	75	77	68	35	37	56	62	70	68	56	58	48	47	..	..	..	57.5
	Minimum	28	32	42	52	60	51	33	30	33	31	18	37	44	50	33	47	43	28	24	27	24	47	45	39	42	24	27	24	..	..	..	36.2
Owensboro	Maximum	47	62	65	62	71	66	52	57	53	42	52	49	62	60	66	72	66	37	39	52	55	64	60	57	49	32	44	..	..	..	..	54.9
	Minimum	29	37	39	42	50	42	32	31	33	26	21	38	33	43	33	52	53	27	22	27	15	20	42	40	36	30	26	25	..	..	..	33.7
Paducah (near)	Maximum	57	48	69	73	78	70	58	64	61	49	46	49	57	64	67	68	74	66	38	38	58	60	68	68	59	55	52	40	..	..	..	58.7
	Minimum	33	37	41	51	61	49	32	32	37	29	22	36	44	50	35	55	48	26	24	27	26	42	44	43	41	32	26	26	..	..	..	37.5
Princeton	Maximum	42	47	68	70	74	66	57	59	44	40	46	46	58	65	60	66	76	65	36	36	55	57	62	63	55	53	41	42	..	..	..	55.3
	Minimum	30	36	44	49	60	48	33	30	36	28	20	34	43	49	33	52	41	28	23	25	21	41	43	35	40	26	26	26	..	..	..	35.7
Russellville§§	Maximum	42	54	67	69	73	68	58	62	57	36	49	49	60	61	64	76	77	44	32	29	55	55	69	63	51	52	35	42	..	..	..	54.9
	Minimum	30	34	38	53	57	59	32	34	35	36	21	22	41	49	34	36	48	44	26	27	23	27	41	43	46	29	28	25	..	..	..	36.4
Central Division.																																	
Anchorage	Maximum	50	57	63	59	72	63	53	59	52	36	43	49	55	64	57	67	72	55	32	33	43	55	65	62	51	46	36	40	..	..	..	53.2
	Minimum	26	34	44	46	55	47	26	26	33	26	26	30	39	46	29	46	41	26	24	25	20	31	41	32	32	25	22	22	..	..	..	32.9
Bardstown	Maximum	50	60	64	61	74	70	57	60	55	41	45	50	57	67	63	68	77	64	40	32	50	50	65	50	50	45	40	41	..	..	..	55.2
	Minimum	28	38	41	41	54	47	29	30	33	30	20	31	42	47	33	46	45	26	25	25	20	39	40	30	25	25	23	22	..	..	..	33.4
Bowling Green	Maximum	44	59	71	64	75	68	61	65	60	56	50	46	60	70	68	69	79	70	32	32	53	55	68	66	55	48	48	45	..	..	..	58.5
	Minimum	38	40	46	48	54	49	32	35	33	30	22	36	43	50	36	50	43	30	25	26	21	40	48	41	41	28	25	23	..	..	..	36.9
Dix Dam	Maximum	48	57	64	64	72	72	54	60	58	56	45	..	57	67	57	69	74	55	31	35	47	50	60	56	49	40	30	26	..	..	..	°55.0
	Minimum	27	38	36	39	55	52	31	31	34	31	25	..	30	52	35	55	48	26	25	24	22	33	46	39	40	30	26	26	..	..	..	°34.9
Eubank	Maximum	50	58	65	61	68	66	58	60	58	55	56	57	57	67	69	74	77	67	29	29	50	50	62	61	59	46	44	40	..	..	..	58.4
	Minimum	34	40	42	51	55	54	31	31	31	30	31	36	43	40	31	45	46	45	29	26	24	38	50	39	30	26	25	24	..	..	..	36.7
Frankfort	Maximum	46	54	65	63	69	68	55	58	57	51	43	48	51	65	64	69	73	69	32	33	45	52	61	61	60	47	41	40	..	..	..	55.0
	Minimum	29	37	36	39	53	54	32	30	36	30	20	30	40	49	36	45	45	27	26	27	24	33	47	37	41	31	29	29	..	..	..	35.4
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Glasgow	Maximum	44	58	56	52	73	70	71	70	65	62	49	50	58	69	68	69	78	72	40	39	52	50	44	70	52	61	51	69	..	..	..	59.9
	Minimum	32	40	40	49	59	50	58	60	36	32	28	22	38	39	35	29	57	31	23	26	21	30	24	50	40	49	48	30	..	..	..	38.2
Greensburg	Maximum	50	60	67	59	73	69	55	54	56	52	48	46	59	68	64	70	78	73	31	30	52	50	63	63	57	51	44	42	..	..	..	56.6
	Minimum	24	38	45	44	51	52	35	32	41	30	21	30	42	32	34	44	41	29	27	24	15	35	47	34	34	23	24	27	..	..	..	34.1
Irvington	Maximum	46	55	65	62	73	65	55	57	51	44	42	50	58	65	59	67	74	70	32	32	48	52	64	60	55	49	36	41	..	..	..	54.5
	Minimum	33	40	46	43	55	50	34	33	34	29	22	35	41	51	37	54	43	26	24	25	21	41	50	44	40	30	25	28	..	..	..	37.1
Junction City	Maximum	47	57	64	64	72	71	60	60	60	52	46	46	58	68	66	70	76	74	32	30	47	48	61	62	58	55	41	40	..	..	..	56.6
	Minimum	24	31	31	39	53	55	28	32	31	29	21	28	42	53	36	39	44	27	23	24	23	31	47	35	29	30	22	23	..	..	..	33.2
Leitchfield	Maximum	42	58	63	60	74	68	55	60	55	45	45	48	57	67	60	67	75	69	31	31	52	52	64	62	52	52	41	40	..	..	..	55.2
	Minimum	31	38	46	44	53	48	32	33	35	30	20	34	43	52	34	52	46	28	25	25	20	42	52	42	40	28	25	25	..	..	..	36.5
Lexington	Maximum	45	53	61	62	68	61	52	55	53	35	40	45	57	63	56	65	72	61	29	28	45	52	61	58	51	42	31	37	..	..	..	51.4
	Minimum	34	39	46	41	56	41	34	34	34	26	24	37	38	44	36	50	49	23	23	23	21	37	48	42	34	27	26	26	..	..	..	35.5
Louisville	Maximum	44	54	64	59	71	64	51	57	48	37	42	50	57	63	58	67	71	52	33	29	47	53	63	61	52	45	33	39	..	..	..	52.3
	Minimum	34	40	48	44	55	42	35	33	35	28	24	37	39	43	38	52	49	26	24	26	25	43	45	41	37	31	27	28	..	..	..	36.8
Do (Cherokee Park)	Maximum	48	53	63	63	71	70	53	55	55	46	42	49	48	62	59	67	71	68	32	33	45	50	62	62	59	45	40	39	..	..	..	53.9
	Minimum	32	39	42	39	54	51	32	29	33	28	21	31	39	44	34	47	42	26	23	25	24	37	45	37	39	30	26	27	..	..	..	34.9
St. John	Maximum	44	56	63	60	59	61	54	56	49	39	44	48	58	43	67	66	73	72	31	29	34	44	66	65	48	53	43	39	..	..	..	52.3
	Minimum	26	36	39	43	40	40	37	36	31	32	18	28	28	28	30	49	44	25	20	23	26	31	33	37	35	25	25	20	..	..	..	31.6
Scott	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Shelbyville	Maximum	43	56	65	62	71	64	54	57	55	47	43	49	50	65	58	66	74	69	32	33	43	49	62	61	49	47	35	41	..	..	..	53.6
	Minimum	26	35	32	35	53	49	25	29	33	29	15	25	39	48	28	45	40	26	24	24	19	33	47	32	38	28	22	26	..	..	..	32.8
Taylorsville	Maximum	45	53	65	63	70	68	52	56	53	49	42	47	54	65	60	67	72	68	32	32	43	50	61	60	55	46	40	38	..	..	..	53.8
	Minimum	28	37	36	37	52	52	29	28	35	31	20	28	40	49	49	43	40	27	25	25	27	36	46	43	44	36	30	31	..	..	..	35.5
Williamstown	Maximum	41	53	62	60	66	59	57	50	50	43	37	43	38	58	57	61	67	63	28	28	40	46	58	56	44	41	33	36	..	..	..	49.5
	Minimum	27	33	39	36	43	49	30	30	33	27	17	29	35	39	32	41	43	23	22	24	21	30	43	41	36	28	25	24	..	..	..	32.2
Eastern Division.																																	
Ashland	Maximum	46	62	65	65	61	60	61	58	57	57	43	47	47	67	67	69	70	76	32	32	41	50	51	60	59	43	56	44	..	..	..	55.0
	Minimum	27	40	52	34	43	50	34	30	31	33	22	28	35	42	41	36	43	31	25	27	25	29	41	38	37	33	26	29	..	..	..	33.6
Beattyville	Maximum	52	60	66	66	70	65	60	62	66	44	59	46	52	70	65	74	79	62	32	34	47	52	63	63	52	46	40	41	..	..	..	56.7
	Minimum	25	38	33	38	48	55	32	33	29	34	28	31	43	47	38	34	42	30	26	29	21	27	44	39	32	29	28	28	..	..	..	34.3
Berea	Maximum	49	56	66	65	69	66	54	57	58	49	45	45	58	69	61	71	75	73	29	29	45	50	56	62	55	46	42	37	..	..	..	54.9
	Minimum	28	38	38	40	57	54	31	35	31	31	26	33	43	55	38	43	48	27	24	26	23	38	48	41	40	31	26	27	..	..	..	36.4
Farmers	Maximum	48	58	66	67	67	..	67	62	62	57	46	48	52	67	66	71	78	75	56	42	44	51	54	62	60	54	41	39	..	..	..	°57.8
	Minimum	28	38	38	40	57	54	31	35	31	31	26	33	43	55	38	43	48	27	24	26	23	28	41	35	28	31	26	28	..	..	..	°31.6
Hindman	Maximum	48	58	66	67	67	..	67	62	62	57	46	48	52	67	66	71	78	75	56	42	44	51	54	62	60	54	41	39	..	..	..	°54.9
	Minimum	21	37	28	30	43	..	28	27	26	29	25	23	36	49	38	32	38	49	23	26	23	22	40	36	33	30	23	37	..	..	..	°34.0
Maysville	Maximum	52	55	65	..	..	66	60	60	64	53	47	48	58	66	60	71	75	63	35	27	29	25	26	45	42	32	30	29	..	..	..	55.2
	Minimum	24	42	32	..	40	33	34	32	34	30	30	43	48	39	32	43	48	30	26	29	25	26	45	42	32	30	29	28	..	..	..	34.2
Mayville	Maximum	46	55	65	66	68	65	62	59	56	54	43	49	50	66	62	69	72	69	55	32	42	47	59	59	57	44	35	39	..	..	..	54.8
	Minimum	26	37	32	32	43	51	30	27	30	30	17	28	35	45	39	38	39	26	25	26	23	28	41	35	28	31	26	28	..	..	..	32.4
Middlesboro	Maximum	54	58	67	68	65	64	62	67	65	61	50	51	58	67	66	74	74	62	54	46	45	64	63	60	49	47	44	..	..	..	..	59.8
	Minimum	26	40	39	34	49	55	45	46	35	36	36	31	45	53	54	52	54	41	27	27	22	28	39	39	31	26	27	21	..	..	..	36.6
Mount Sterling	Maximum	49	54	65	61	68	65	51	52	56	40	45	46	55	66	56	71	76	69	29	31	47	49	57	60	51	45	34	37	..	..	..	53.6
	Minimum	25	35	32	36	51	48	31	32	32	29	26	30	38	46	37	41	37	26	23	23	22	37	46	35	32	28	24	24	..	..	..	32.9
Quicksand	Maximum	53	60	67	68	69	67	62	62	66	59	49	45	52	68	65	74	78	69	33	33	45	52	65	64	57	48	45	40	..	..	..	57.7
	Minimum	24	41	33	38	49	61	33	35	29	34	30	30	43	46	41	34	43	31	26	29	25	26	44	41	36	32	29	28	..	..	..	35.3
Richmond	Maximum	46	52	62	66	71	62	52	58	54	51	45	48	58	66	62	68	76	70	29	32	46	51	57	61	55	46	44	42	..	..	..	54.4
	Minimum	30	38	44	42	55	47	33	37	38	32	28	35	42	54	37	47	47	28	25	26	20	38	48	42	41	30	27	28	..	..	..	37.1
Sergent	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Williamsburg	Maximum	56	61	73	69	71	65	64	65	69	63	55	50	59	72	69	76	72	74	38	38	52	51	68	65	59	51	47	46	..	..	..	60.5
	Minimum	25	43	41	51	57	59	37	39	34	36	31	32	41	52	39	40	46	35	26	28	21	33	49	43	36	29	27	23	..	..	..	38.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record

N. B. Louisville 3.51.27 1000

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXII LOUISVILLE, KY., MARCH, 1927. No. 3

GENERAL SUMMARY.

The month began cold, with snow and several hard freezes that had a decidedly beneficial effect in holding back fruit buds. After the first few days temperatures continued remarkably equable, with a notable absence of the changeable weather and severe freezes that usually occur periodically in this month. The short cold period at the beginning was followed by two weeks of mild weather in which growth was resumed and vegetation soon took on the appearance generally observed three weeks to a month later. Peaches, plums and pears began to blossom about the middle of the month, and were in full bloom with fruit setting by the end of the warm spell. Many shrubs and some trees put out the first leaves. Cool weather, with heavy frosts, in the last decade apparently caused little damage but had a checking effect on growth. During the first three weeks frequent, often heavy, rains seriously interfered with outdoor work and almost entirely prevented plowing. Sowing of tobacco plantbeds proceeded with difficulty, being possible only occasionally. Standing water caused wheat on flat land to turn yellow. Roads remained in bad condition, and there was considerable flooding of bottom lands in the western part of the State. In the last decade fair weather and normal sunshine were more favorable. For several days the soil continued wet and unworkable, but toward the end of this period the sowing of plantbeds was finished, some potatoes and early gardens were planted, and a beginning was made with spring plowing. After the first week, wheat, rye, and bluegrass grew steadily and appeared exceptionally advanced by the end of the month. Wheat stooled well and exhibited no injury of consequence from winter killing. On warm slopes pastures were ready for grazing. The month closed with most vegetation far ahead of the season, farm activites much behind, and the soil again saturated by heavy rains.

TEMPERATURE.

The average temperature for the State, 43 stations reporting, was 48.4°, which is 2.6° above normal. The four-day period of low temperatures at the beginning of the month was followed by abnormally warm weather that continued until the 20th, after which temperatures near or below normal prevailed. After the first few cold days minimum temperatures seldom fell below freezing except at the extreme northern stations. Extremes for the month were 82° at Williamsburg on the 20th and 10° at Beaver Dam, Hindman, and Williamsburg on the 3d.

PRECIPITATION.

Precipitation for the State, based on reports from 80 stations, averaged 6.04 inches, which is 1.20 inches above normal. In the western half of the State, monthly amounts ranged between 5.00 and 12.00 inches; while in the eastern half they varied between 3.00 and 6.00 inches, diminishing toward the northeastern and southeastern boundaries. Rain occurred generally in the periods 6-8th; 12-14th; 17th-21st, and 31st. The amounts were excessive locally, especially in the central and western counties, on the 12th, 13th, 18th, 20th, 21st, and 31st. Snow ranging in amount from 1.0 to 8.0 inches occurred in the central and southern counties on the 1st and 2d. The extremes were 2.36 inches at Hazard and 12.71 inches at Murray.

MISCELLANEOUS.

March 31.—Windstorms caused damage to buildings in Hopkins, Christian, McLean, Grayson, Daviess, and Barren Counties estimated at $60,000.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* 30-min. per hour.	Direction.	Date.
Cairo ..... Ill.	30.10	30.50	3	29.48	31	7691	10.2	60	sw.	31
Cincinnati ..... Ohio	30.12	30.47	1	29.65	7	6257	8.4	40	se.	13
Evansville ..... Ind.	30.13	30.50	3	29.85	31	6763	9.1	40	sw.	20
Lexington ..... Ky.	30.13	30.47	3	29.71	7	10128	13.6	40	w.	7
Louisville ..... Ky.	30.12	30.48	4	29.66	31	8138	11.0	45	se.	13

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	79	65	63	221.4	371.4	60	15	10
Cincinnati ..... Ohio.	81	62	65	176.3	371.1	48	10	11
Evansville ..... Ind.	77	65	66	205.8	371.2	55	10	8
Lexington ..... Ky.	85	76		129.1	371.2	35	6	14
Louisville ..... Ky.	75	68	61	185.1	371.2	50	8	10

COMPARATIVE DATA FOR MARCH.

Year.	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	40.5	— 5.9	74	18	1.52	—3.32	..	..	..	..	....
1890...	41.2	— 5.2	74	4	8.34	+3.50	..	..	..	..	....
1891...	41.8	— 4.6	71	9	8.18	+3.24	..	..	..	..	....
1892...	40.6	— 5.8	82	7	4.68	—0.76	..	..	..	..	....
1893...	45.0	— 1.4	80	5	2.76	—2.08	..	..	..	..	....
1894...	50.8	+ 4.4	86	10	2.72	—2.12	..	..	..	..	....
1895...	45.0	— 1.4	80	15	3.17	—1.67	9	13	7	10	....
1896...	41.1	— 5.3	80	8	6.16	+1.32	12	9	9	13	....
1897...	49.6	+ 3.2	85	20	7.94	+3.10	14	8	9	14	0.2
1898...	50.7	+ 4.3	84	16	7.59	+2.75	13	8	9	14	1.0
1899...	43.9	— 2.5	83	3	8.10	+3.26	15	8	10	13	2.4
1900...	42.8	— 3.6	82	3	2.58	—2.26	9	11	8	12	3.9
1901...	46.4	— 0.0	87	7	3.50	—1.34	10	9	7	15	0.5
1902...	47.2	+ 0.8	82	7	4.44	—0.40	11	10	9	12	3.1
1903...	52.5	+ 6.1	85	19	4.93	—0.41	12	9	7	15	T
1904...	47.7	+ 1.3	88	12	6.26	+1.42	12	8	8	15	6.5
1905...	52.2	+ 5.8	85	22	4.45	—0.39	9	15	6	10	T.
1906...	39.2	— 7.2	73	3	6.37	+1.53	13	6	5	20	2.0
1907...	54.9	+ 8.5	86	18	2.28	—2.56	10	13	6	12	0.8
1908...	51.8	+ 5.4	84	19	5.42	+0.58	13	10	7	14	0.7
1909...	44.8	— 1.6	74	17	5.14	+0.30	11	11	7	13	T.
1910...	55.0	+ 8.6	91	11	0.79	—4.05	3	18	7	6	0.3
1911...	46.0	— 0.4	87	7	2.57	—2.27	9	14	5	12	6.6
1912...	41.3	— 5.1	85	10	6.25	+1.38	15	9	3	19	5.6
1913...	46.5	+ 0.1	85	9	7.22	+2.38	10	12	7	12	6.5
1914...	41.8	— 4.6	79	2	3.42	—1.22	12	10	6	15	6.4
1915...	37.8	— 8.6	68	11	2.11	—2.73	8	12	5	14	3.5
1916...	43.5	— 2.9	81	4	5.39	—1.45	10	12	8	11	3.7
1917...	45.9	— 0.5	84	6	6.52	+1.08	14	13	5	13	7.1
1918...	51.6	+ 5.2	85	17	1.97	—2.87	5	15	6	10	T.
1919...	47.6	+ 1.2	81	16	5.65	+0.81	9	15	6	10	T.
1920...	46.3	— 0.1	88	1	4.85	+0.01	16	15	6	10	1.6
1921...	56.7	+10.3	87	19	5.75	+0.91	11	13	9	9	T.
1922...	49.4	+ 3.0	83	19	8.11	+3.27	14	9	6	16	6.5
1923...	45.6	— 0.8	80	2	5.27	+0.43	9	15	7	9	T.
1924...	41.5	— 4.9	82	11	3.65	—1.79	8	9	5	17	1.5
1925...	49.2	+ 2.8	84	4	3.89	—1.25	9	16	7	8	0.4
1926...	40.2	— 6.2	77	4	2.89	—2.04	11	12	6	13	2.8
1927...	48.4	+ 2.0	82	10	6.04	+1.20	11	12	7	12	3.8

Climatological Data for March, 1927.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Eastern Division.																				
Beaver Dam	Ohio	441	24	49.1 + 1.5		77	16	10	3	36	10.36	+6.12	2.10	.....	11	12	12	7	s.	Mrs. Lena F. Taylor.
Brooksville	Bracken	445	45	49.0 + 1.7		73	16	22	2†	25	9.14	+4.51	2.79	4.5	9	11	3	17	sw.	E. W. Horr.
Cannon	Mclean	457	23	50.4 + 1.2		76	16	20	3	32	9.58	+4.63	1.68	5.5	14	7	15	9	se.	W. A. Taylor.
Farmington	Hopkins	420	37	49.4 + 2.1		76	16	20	3	33	10.16	+5.28	2.29	6.0	14	15	4	12	sw.	Brick Southworth.
Greenville	Muhlenburg	519	10	48.3 + 0.1		76	16	11	4	37	11.58	+6.63	2.85	4.5	16	12	8	11	s.	C. R. Lovell.
Hopkinsville	Christian	524	81	49.5 + 0.2		79	16	18	3	47	9.94	+4.91	2.47	T.	14	14	4	13	se.	W. E. Graves.
Marion	Crittenden	571	29	48.6† + 0.1		74	16†	20	3	32	9.53	+4.93	2.38	4.0	10	11	9	11	se.	B. C. Paris.
Mayfield	Graves	364	18	50.0 − 0.9		75	20	22	3	30	8.56	+4.89	2.09	.....	11	8	16	7	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	1	49.6		77	16	17	4	40	12.71	.....	5.86	3.0	10	15	6	10	s.	Harry B. Arnold
Owensboro	Daviess	479	30	48.0 + 0.9		74	16†	20	4	31	9.05	+5.11	2.27	2.5	13	16	5	10	s.	Henry S. Berry.
Paducah	McCracken	516	10	50.6 + 1.4		76	16†	23	2†	33	8.31	+3.49	2.80	.....	12	13	8	10	nw.	J. W. Lilley
Paducah (near)	McCracken	.....	.....	.....		.....	.....	.....	.....	.....	9.18	+4.79	2.34	4.0	13	.....	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	68	.....		.....	.....	.....	.....	.....	9.27	+4.12	2.90	4.0	12	9	8	14	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	20	48.6 − 0.1		75	16	20	4	35	9.36	+4.74	2.12	5.0	13	.....	.....	.....	.....	Thos. L. Wetzell.
Russell, Lock 2‡	McLean	384	10	.....		.....	.....	.....	.....	.....	7.76	+2.46	2.08	5.5	15	12°	2°	15°	s.	Wm. Shelton.
Russellville	Logan	590	16	*47.8 − 1.0		72*	18	20*	3	34*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Anchorage	Jefferson	700	26	46.5 + 1.4		77°	16	16°	4	39°	5.43	+1.20	1.45	5.0	11	9°	6°	12°	sw.	C. E. Barret.
Bardstown	Nelson	637	30	48.0 + 1.4		79	16	17	4	37	8.42	+3.78	2.20	5.0	8	11	4	16	ne.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	38	49.6+ 1.3		79	16	19	3†	39	8.36	+3.44	2.00	8.3	14	11	11	9	w.	Mrs. Lillie G. Causey
Bowling Green, No. 2	Warren	469	2	.....		.....	.....	.....	.....	.....	7.80	.....	2.06	7.2	15	.....	.....	.....	.....	.....	J. Frank Thomas.
Brandenburg, Lock 6‡	Edmonson	410	10	.....		.....	.....	.....	.....	.....	8.41	+2.10	2.88	6.0	16	.....	.....	.....	.....	.....	Virgil M. Whalin.
Brownsville, Lock 6‡	Edmonson	410	10	.....		.....	.....	.....	.....	.....	3.96	−1.30	1.30	6.0	18	.....	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	773	36	.....		.....	.....	.....	.....	.....	6.03	+2.70	1.94	.....	9	.....	.....	.....	.....	.....	Charlie Oliver.
Carrollton, Lock 1	Carroll	422	28	.....		.....	.....	.....	.....	.....	11.47	+7.21	2.38	3.8	11	.....	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	422	13	.....		.....	.....	.....	.....	.....	3.52	.....	1.12	.....	9	.....	.....	.....	.....	.....	W. L. Paschell.
Coin Spring, Dam 36	Campbell	489	1	.....		.....	.....	.....	.....	.....	5.27	.....	1.46	.....	8	13	2	16	.....	.....	G. D. Glass.
Dix Dam, Burgin	Mercer	770	3	49.1		77	17	15	3	36	3.24	−1.74	0.95	5.0	9	7	10	14	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	33	47.5 + 1.1		78	15	13	4	34	4.84	+0.14	1.68	1.0	8	13	1	17	s.	Sidney Wood.
Frankfort	Franklin	560	35	48.6 + 2.0		75	16†	20	4	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jos. H. Blewett
Franklin	Simpson	601	32	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	449	16	.....		.....	.....	.....	.....	.....	4.95	+0.57	1.42	.....	10	.....	.....	.....	.....	.....	Dr. Fidelia Edwards.
Grant, Lock 3	Henry	780	6	49.8		79	15	15	3	35	4.47	.....	1.22	2.0	10	13	8	10	s.	Bert Ross.
Grant, Dam 39	Boone	506	2	.....		.....	.....	.....	.....	.....	4.17	.....	1.06	.....	8	.....	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn
Greensburg	Green	581	24	47.4 − 0.8		79	16	12	3	43	5.57	+0.54	1.28	6.0	16	6	3	22	n.	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	650	25	.....		.....	.....	.....	.....	.....	5.43	+0.99	1.44	5.0	10	.....	.....	.....	.....	.....	W. J. Piggott.
Irvington	Breckenridge	646	29	49.0 + 2.2		75	18	21	4	36	8.85	+4.25	2.25	4.0	11	11	5	15	sw.	William E. Grubbs.
Junction City	Boyle	985	33	47.2 + 1.1		77	16	13	4	41	6.59	+0.82	1.50	4.3	15	16	7	8	s.	L. J. Vanhook.
Lancaster	Garrard	1032	1	.....		.....	.....	.....	.....	.....	4.36	.....	1.20	.....	11	.....	.....	.....	.....	.....	H. H. Willis.
Leitchfield	Grayson	635	31	48.4 + 1.9		75	16	18	2†	31	9.80	+4.82	2.00	8.0	13	9	13	9	nw.	U. S. Weather Bureau
Lexington	Fayette	989	43	47.8 + 4.0		75	16	20	3	32	5.17	+0.45	1.49	3.5	11	7	8	16	sw.	Horace Custer.
Lincoln Ferry, Locks 9	Jessamine	523	16	.....		.....	.....	.....	.....	.....	5.19	+1.21	1.30	5.0	12	.....	.....	.....	.....	.....	Andrew J. Keennn.
Lockport, Lock 2	Henry	476	17	.....		.....	.....	.....	.....	.....	3.63	−0.84	1.16	0.8	9	.....	.....	.....	.....	.....	U. S. Weather Bureau
Louisville	Jefferson	525	51	48.4 + 3.0		75	16	22	2	28	7.01	+2.69	1.84	3.5	12	7	7	17	s.	Wm. J. Hunt.
Do. (Cherokee Park)	Do.	534	17	48.4 + 2.4		75	16†	21	2†	35	6.43	+2.02	2.40	3.0	10	12	7	12	s.	C. R. Richardson.
Middlesboro	Bell	1100	2	.....		.....	.....	.....	.....	.....	4.96	.....	1.15	1.1	11	.....	.....	.....	.....	.....	.....
Munfordville	Hart	699	2	.....		.....	.....	.....	.....	.....	9.54	+4.55	2.25	5.4	11	13	10	8	.....	.....	Sisters of Loretto
[illegible]	Hardin	777	31	47.0 + 1.5		75	16	17	4	35	6.67	+3.48	1.80	4.5	10	.....	.....	.....	.....	Ernest M. Searcy.
[illegible], Lock 6‡	Mercer	490	13	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. B. Wilson
[illegible]	Kenton	900	29	.....		.....	.....	.....	.....	.....	6.06	+1.35	1.15	2.0	12	11	6	14	nw.	Miss Ruth Ratta,
[illegible]ville	Shelby	825	38	45.8 + 1.1		76	16	15	4	40	6.84	+2.20	1.24	3.2	12	10	6	15	s.	R. D. Bourne.
Taylorsville	Spencer	489	25	47.6 + 1.0		74	16†	17	4	35	6.68	.....	1.50	0.5	9	.....	.....	.....	.....	R. K. Vaughn.
[illegible], Lock 5‡	Anderson	526	9	.....		.....	.....	.....	.....	.....	4.17	−0.21	1.34	0.0	11	9	9	13	sw.	Mrs. E. S. Hunsiong
Williamstown	Grant	943	24	46.6 + 2.0		75	16	18	4	33	4.96	.....	1.15	1.1	11	.....	.....	.....	.....	J. C. Stinson.
Woodburn, Lock 4‡	Butler	533	10	.....		.....	.....	.....	.....	.....	7.26	+2.90	2.83	4.5	16	.....	.....	.....	.....	.....	.....
Eastern Division.																				
[illegible]	Boyd	534	10	48.4 + 0.8		79	19	22	5	35	3.93	−0.06	1.41	0.5	11	11	0	20	w.	Curtis Previs.
[illegible]	Lee	650	23	47.8 + 1.9		79	16†	11	3	44	4.80	−0.28	1.41	4.0	12	13	4	14	e.	Robert S. Smallwood.
Berea	Madison	1070	25	47.8 + 0.7		78	16	12	3	35	4.87	+0.03	1.46	3.8	11	5	15	11	sw.	Samuel M. Mayfield.
Cabin Creek, Lock 11	Madison	601	17	.....		.....	.....	.....	.....	.....	4.65	+0.50	1.45	3.0	11	.....	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	9	.....		.....	.....	.....	.....	.....	5.51	+1.27	1.85	0.3	10	.....	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	38	.....		.....	.....	.....	.....	.....	4.03	−0.06	1.30	T.	8	10	5	16	e.	J. V. Oldham
Flemingsburg	Fleming	668	19	48.0 + 2.7		81	16	13	4	43	3.90	−0.56	1.00	2.0	9	12	8	11	e.	Mrs. R. F. Stamper.
Georgetown	Scott	841	2	.....		.....	.....	.....	.....	.....	5.26	.....	1.30	T.	6	.....	.....	.....	.....	.....	C. A. Glascock
Greenupsburg	Boyd	593	11	.....		.....	.....	.....	.....	.....	3.99	+0.07	0.97	3.5	10	.....	.....	.....	.....	.....	John A. Walters.
Pond, Lock 10‡	Clark	589	2	.....		.....	.....	.....	.....	.....	3.46	.....	0.93	1.2	7	.....	.....	.....	.....	.....	Col. Frank Powers.
Ogden	Carter	589	2	.....		.....	.....	.....	.....	.....	2.82	.....	1.05	.....	8	.....	.....	.....	.....	.....	T. Mitchell.
[illegible], Dam 30	Greenup	540	7	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Agnes Farley
[illegible]	Harlan	1197	2	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chas. O. Bing.
Hazard	Perry	869	3	.....		.....	.....	.....	.....	.....	2.30	.....	0.87	1.1	8	.....	.....	.....	.....	.....	S. C. Cole.
Ironworks, Lock 14	Lee	664	16	.....		.....	.....	.....	.....	.....	3.24	−0.30	1.30	.....	11	.....	.....	.....	.....	.....	Miss Lake Napier.
[illegible]	Knott	1032	2	47.3		79	17†	10	3	41	3.33	.....	0.87	4.5	9	19	3	9	w.	R. R Davidson.
[illegible]	Letcher	1566	2	.....		.....	.....	.....	.....	.....	3.03	.....	0.95	.....	10	.....	.....	.....	.....	.....	Russina Copley.
Jenkins	Lawrence	584	23	.....		.....	.....	.....	.....	.....	4.70	+0.61	1.20	2.5	9	.....	.....	.....	.....	.....	Perry E. Bennett
[illegible]	Mason	524	30	47.2 + 2.6		76	16	17	4	41	3.66	−0.82	1.00	0.5	10	7	5	19	s.	Matthew Woodson.
[illegible]	Bell	1128	31	49.6 + 1.1		80	19	12	4	44	3.39	−2.19	1.64	.....	7	26	7	8	.....	W. R. McKee.
[illegible]town	Montgomery	930	37	46.0 + 2.3		76	16	14	3†	37	4.82	−0.59	0.86	4.5	14	11	6	14	w.	Andrew M. Staniforth.
[illegible]ville	Campbell	497	5	.....		.....	.....	.....	.....	.....	4.32	.....	1.28	T.	9	.....	.....	.....	.....	.....	Robert Repass.
[illegible], Dam 35	Clay	636	21	.....		.....	.....	.....	.....	.....	2.98	−1.41	1.31	5.0	6	.....	.....	.....	.....	.....	F. C. Hall.
[illegible]	Floyd	640	2	.....		.....	.....	.....	.....	.....	3.72	.....	1.09	2.0	7	.....	.....	.....	.....	.....	R. W. Jones.
[illegible]ground	Breathitt	732	2	48.5		80	16	12	3	44	4.86	.....	1.38	4.0	9	.....	.....	.....	.....	.....	Walter P. Bush.
[illegible], Lock 12	Bell	931	9	.....		.....	.....	.....	.....	.....	4.31	+0.67	1.21	.....	10	.....	.....	.....	.....	.....	J. W. Crooke.
[illegible]port	Madison	926	35	49.5 + 4.1		79	16	17	3	34	5.44	+1.05	1.90	5.0	13	15	7	9	.....	R. P. Crawford.
[illegible]	Letcher	1235	4	*49.3		77	11†	15	2	41*	3.46	.....	1.17	.....	12	16	6	9	w.	Thos. Sullivan.
[illegible], Lock 9	Madison	541	14	.....		.....	.....	.....	.....	.....	5.46	+2.14	1.37	.....	12	.....	.....	.....	.....	.....	H. M. Fenniu.
[illegible]	Lewis	595	12	.....		.....	.....	.....	.....	.....	3.61	−1.63	1.00	.....	7	.....	.....	.....	.....	.....	.....
[illegible]g, Dam 32	Floyd	700	1	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. H. Zimmerman.
[illegible]port	Letcher	1142	2	.....		.....	.....	.....	.....	.....	2.57	.....	1.02	0.5	10	.....	.....	.....	.....	.....	Lawrence R. Ull.
[illegible]sburg	Wolfley	939	30	50.0 + 2.9		82	20	10	3	39	4.62	−0.34	1.50	5.0	10	21	4	6	.....	Shelby Angel
[illegible], Lock 13	Lee	611	8	.....		.....	.....	.....	.....	.....	4.39	.....	1.30	.....	8	.....	.....	.....	.....	.....	.....
[illegible]				48.4 + 2.0		82	20	10	3	47	6.64	1.20	5.86	3.5	11	12	7	12	s.	

[illegible] ranges and or [illegible]

A dash in temperature data are taken from self-registering Fahrenheit instruments. Precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. The departures from normal temperature and precipitation are computed for the Eastern, Central and Western Divisions and in the Ohio River Valley, using for each station in determining section or division means. ‡Ramsey, Brownsville and Woodburn are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oak.

*Also on other dates. **Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.

¶Post-office address.—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

[illegible]. The Ohio River remained at moderate to high stages during the month. It [illegible] at Cairo just slightly under flood stage on the 1st, and was above flood stage at [illegible] stations from the 23d to 25th. It was above flood stage at Paducah from the 21st to [illegible] at Cairo and in the Mississippi from the 17th to the end of the month, and at Evansville after the 21st. High stages occurred in the Green from the 20th to 25th. There was considerable flooding of lowlands along the Green and lower Ohio.

Errata for February, 1927.

Shelbyville, minimum temperature for month, 15° on 11th, instead of 19° on 21st.

Daily Precipitation for March, 1927.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G	*					.23	.78					1.20	1.90																			
Brandville ..... M	.45					.60	.67					1.20						.2.10		1.10	1.10	.38							.56				
Calhoun ..... G	.58	.10			.05	.12	.45	.05				1.40					.45		.2.00	1.20			T									
Carrington ..... G	.10	.75				.08	.05	.50				2.15	1.50				.10	1.05	.01	1.40												
Greenville ..... G	.35	.05			.01	.02	.02					2.15	2.00				.10	2.40	.02	.20	.05											
Hopkinsville C	.23	.21				.02	.02					1.20	2.27				.11	2.85	.04	1.55	.52	.02		.05								
Marion ..... O		.25			.14							1.75	2.45				.01	1.30	.15	1.60	.45											
Mayfield ..... M	.20											2.05	.85				.01	2.05	.25	1.50												
Murray ..... T	.30						.01					2.05	.05				.10	1.20		1.15	.35											
Owensboro ..... O	.20	.05			T	.07	1.10					1.80	T				T	1.25	.14	.55	.32	T	.25									
Paducah (near) ¶ ..... O	.10	.10			.36	.30	.04	.06				1.15	1.48				.10	1.22	T	2.14	.41		.05					.15				
Paducah ..... O	T	.40				T	.01					1.90	.40				.28	2.30	.10	1.60	.30											
Princeton ..... G	.30				.17		.02	.31				1.80	.70				.42	2.30	.07	.01	.58		.15						T			
Ramsey, Lock No. 2 ..... G	.05	.55				.10	.20	.26				2.50					.03	2.05	.10	.70	.46											
Russellville ..... G	.13	.40				.12	.10	.32		.15	.10	1.40	2.12				.09	1.75	.03	.64	1.85											
Central Division																																
Anchorage ..... O	.24	.20			T.		6											1.05	.27	.23	1.04	.01										
Bradstown ..... S	.50						1.80					.52	.52				.07	1.18	.02	1.45	.56											
Bowling Green ..... G	.30	.53					1.80						.92				.12	.86		1.80	.22											
Bowling Green, No. 2 ..... G	.07	.40					.14	.05	.80	.10		T	2.00				.02	1.38	.16	1.20	.60			T								
Brownsville, Lock No. 6 ..... G	T	.40	.20				.54	.11	.93		.03		.09	1.67	.23				.87	.47	.22	.06			.25				T	.02	T		
Burnside ..... S		.50					.16	.15	1.80	.03	.06				.58				.58	.30	.04	2.80		.22	.03							
Carrollton (Lock No. 1) ..... K	.02	.64					.01						1.20	.48				1.80	.27	.05	1.54	T		.16	.25					T		
Cloverport ..... O	T	.42					.02	1.31	.38			.96	2.38				.01	1.34	.01		2.15											
Cold Spring, Dam 36 ..... O	T.	T.					.11		.25				.24	.32				1.07	.10	.18	1.12	T.	T.		T					T		
Cox Ioam, Burgen ..... K							.15		1.41		.10			.20				.52	.68		1.25											
Dunbank ..... K	.04	.50	T.				.15	.50	.95					.55				.10	.33													
Franklin ..... G		.22					T.	T.	.86				.15	.18				.98	.05		1.68	T										
Gest. Lock No. 3 ..... K																																
Glasgow ..... G		.06				.03	T	.58					.17	.40				1.15	.04	.10	1.42	T.										
Grant, Dam 38 ..... O	.08	.12				.03	.38						1.22					.20	.07	.49	.24			.33								
Greensburg ..... G	.30	.19			.01	.15	.09	.14	.07			.01	1.60	.43				.81	.13	.28	1.63											
Hutch Bridge, Lock No. 7 ..... K		.50				.05	.02	1.02					.01	.47				.05	1.28	.19	.01	1.00		.28								
Harrison ..... O	.15	.15			T		.06	.18				1.11	1.15				.15	1.00	T	.39	.05	1.44										
Hendron City ..... K	.10	.33					.20	.88	.22	.21	.08		.50	.22				.12	.32	.68	.18	.62		.16								
Lancaster ..... K		.40					.08	.02			.05		.02	.33					.45	.32	.52	.26										
Litchfield ..... G	.24	.20			T		.38	1.20	.10			.15	2.00				.20	1.90	.05	1.10	.70		T									
Little Blackman, Lock No. 8 ..... K	.27	.18			.05	.02	.91	T	T.				.06				.03	.60		.97	.05											
Lockport, Lock No. 2 ..... K	.07	.30				.2	T	1.25		.17			.05	.36				.58	.17	.05	.71	.05										
Marrsville ..... O	.28	.08			T.	T.	.24					.18	.19				1.10	T	.08	.46											
Mo. (Cherokee Park) ..... O	.16	.14			T.		.75					1.00	.38				.12	1.11	.11	1.57	.35										
Munfordville ..... G	.02	.09					.74	.06					1.42				.12	1.23	.16		2.40											
Nachu ..... S	.22	.18			T.	.18	1.40	.80					.80	.30				.50		.86	1.15			.24								
Narrisa, Lock No 6 ..... K		.45				.28	.10	1.30	T.	T.		.33	1.17				.10	1.35		1.58	.78		T								
Nott L													.20	.40				1.00			1.80	.10	T								
Nelbyville ..... S	.04	.10				.08	.06	.10			T.	T	.60				.08	1.13	.02	1.03	.77										
Nylorsville ..... S	.12	.20			T.	.28	.05	.08	.24		T.		.74				.11	1.04		1.08	.79	T									
Orone, Lock No. 5 ..... K	.26						1.70						.40				1.06	.04		1.16	.02										
Williamstown L	.02					.02	.23	.12					.43	.03				1.34	.15	.08	.03											
Woodbury, Lock No. 4 ..... G	.10	.47				.2	.10	.03		T		.11	.84	.03			.05	.87	.23	.03	2.33			.05					.02	.15		
Eastern Division																																
Ashland ..... O		.05				.04		.84		.10			1.41					.05	.17	.03	.46	.12										
Maysville ..... K	*	.41	T.			.07		1.35		.04			1.41					.09	.85	.12	.11	.07										
Boone Hill, Lock No. 11 ..... K	.10	.25			T.	.13	.70	.25	.24			T	.76			T		.44	.03	T	.41		T.									
Carthage L	T.	.10				.25		.55		.10		T	.75					.15	.25	.07	.41	.05										
Dismouth L		T				.04		.70				.02	.80					1.06	.05	T.	1.85	.02	T.	T.								
Farmers L						.03		.38				.03	.41					1.00		.53	1.30											
Flemingsburg L	.25	.20				.30		.87	.10				1.00					.43		.82	.83											
Ford, Lock No. 10 ..... K							1.20						.80				.85			.90											
Grayson ..... O		.18				.15		.85		.08		T	.42					.48	.10	T.	.58	.01	T	T								
Greenup, Dam 30 ..... O		.23						.76					.64					.09	.12		.57											
Hazard ..... K						.07		1.06						.76				.22	.21	.01	.07											
Heidelberg, Lock No. 14 ..... K	.06	.31	T.			T		T				T.	T.	.87	.70		T	.11	T.	.08			T.	T.	.12	T		.11				
Hindman ..... K		.35				.08		.10		.07				1.80				.08	.27	.07	.12	.10										
Hopkins ..... K	.08	.50				.08	.41	.57	.07					.87				.10														
Jackson ..... K	.55	.06					.93											.07	.08		.04		.07	.18								
Louisville ..... O	T	.01				.10				.50			1.20					.19	.70		.18	.40										
Middlesboro C	.61	.04				.06		.74					.64					.58	.15	.06	1.00	.01										
Mount Sterling L	.14	.31			.08	T.	.74	.06	.04									1.64					.24								
Nicholasville ..... O							.14		.28			T.	.52					1.08	.68	.21	1.28	.03	T.	T.								
Owensburg ..... B		.50	T.			.18		1.34					.52						.22		T.										
Oakland ..... B		.20				.40		1.09					.80						.22				T.								
Paducah, Lock No. 52 ..... K		.39				.18	.21	1.21		T			1.58					.19		.35											
Raymond ..... K		.06			T		.76		.12		T.		.75					1.00	.08	.43	.12	T.										
Regent ..... K	.05	.67				.25	1.00	.08					.75					.15	.22	.44	.25	.15										
Riley View, Lock No. 9 ..... K	.06		.20	.06		.12	.42	.30	.15				1.17				.04	.15	.28	.05	.38										
Rochburg, Dam No. 32 ..... O	.28	.15			.10		1.00		1.30				1.37				.45	.01	.02	1.12			.28								
Shanlott ..... B							.70						.65					.70	.10		1.00	.05										
Shelbyville ..... K	.02		.42			.15		.65		.11			1.60							.22	.02			.22								
Williamsburg C	.16	.55				.32	T.	1.00	.15	.05			1.50							.00	T.		T.	.34								
Yellow, Lock No. 13 ..... K							1.30			.18			.58					.34	.22												

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark **) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

, Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

; Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which a station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland T; Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

Daily Temperatures for March, 1927.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	45	35	41	50	56	56	59	58	55	61	67	60	67	62	71	77	74	68	70	67	62	51	54	40	58	62	57	56	49	64	67	61	59.4
	Minimum	30	23	10	19	29	44	38	35	41	30	37	53	38	55	59	68	73	70	65	72	67	45	46	55	51	61	57	54	57	55	63	66	56.9
Blandville	Maximum	33	33	43	49	56	58	59	56	59	65	68	62	65	59	68	73	70	65	72	67	45	46	55	51	61	57	54	57	55	63	66	64	58.6
	Minimum	31	22	22	24	36	41	47	38	42	38	45	54	43	43	43	48	54	55	59	45	36	35	49	36	60	60	55	59	57	65	63	59.2
Calhoun	Maximum	41	36	43	50	54	57	58	60	57	61	66	65	66	61	70	76	74	70	73	71	61	42	55	38	36	44	34	35	42	48	55	64	41.6
	Minimum	31	25	20	23	53	44	42	38	41	35	43	54	51	40	38	48	54	54	57	59	37	35	35	38	54	62	59	55	57	58	66	66	48.6
Earlington	Maximum	39	34	39	50	57	58	60	57	55	61	66	64	65	61	71	76	73	71	72	71	49	41	51	55	58	48	37	35	32	38	30	40	49	57	56.2
	Minimum	31	25	20	25	31	44	40	35	42	31	40	55	53	43	48	43	53	55	58	48	37	35	32	38	30	36	30	30	27	28	38	46	40.1
Greenville	Maximum	41	35	42	52	57	59	61	58	55	61	65	64	65	61	71	76	74	67	69	71	62	40	51	55	58	35	33	30	35	30	45	27	28	38	46	55	37.4
	Minimum	29	23	16	11	26	41	37	33	43	29	38	51	50	35	34	42	54	51	55	58	35	33	30	35	30	45	27	28	38	46	55	62	60.3
Hopkinsville	Maximum	41	33	42	52	67	63	60	59	57	49	65	64	68	64	73	79	74	69	71	70	64	54	41	55	64	61	58	61	59	59	64	67	60.8
	Minimum	30	23	18	19	20	42	43	36	41	32	41	52	51	36	37	45	54	51	55	58	35	33	32	38	30	42	30	32	41	48	55	62	58.7
Marion	Maximum	38	32	40	50	55	56	58	60	60	60	62	62	63	62	70	74	74	66	71	70	57	41	50	50	60	55	53	58	52	65	62	65	57.5
	Minimum	29	23	20	25	36	44	40	38	40	36	46	44	46	40	38	45	56	54	57	57	35	33	32	38	36	36	32	34	40	47	55	59	49.7
Mayfield	Maximum	30	23	20	25	36	44	40	38	42	35	42	52	44	37	40	45	54	55	58	61	36	36	33	40	34	46	34	37	41	47	56	62	59.2
	Minimum	30	23	22	23	32	41	44	38	42	32	43	53	47	35	36	40	53	58	55	58	36	36	33	40	34	46	34	37	41	47	56	61	59.2
Murray	Maximum	42	35	46	52	59	62	62	59	60	64	65	62	67	62	74	77	76	71	76	74	65	61	64	44	56	53	66	62	55	65	66	67	61.4
	Minimum	22	25	21	17	25	45	39	35	42	30	35	48	46	37	34	37	50	56	55	60	37	35	30	39	28	38	30	31	41	47	57	62	57.8
Owensboro	Maximum	39	35	40	44	55	53	57	58	57	59	65	63	63	63	72	76	76	69	74	71	62	57	55	57	54	51	43	48	57	58	55	56	62	62	57.2
	Minimum	28	21	21	20	29	42	40	34	38	32	41	53	48	38	47	44	52	57	55	57	34	33	34	37	32	40	33	33	38	42	48	55	48.8
Paducah (near)	Maximum	40	36	49	60	55	60	67	62	62	58	63	63	62	63	72	76	76	69	74	72	59	48	56	54	59	57	63	58	65	65	65	65	60.6
	Minimum	31	23	23	30	33	38	44	37	42	31	42	53	45	37	39	45	55	55	58	58	37	35	33	40	35	43	33	34	42	48	55	59	56.4
Princeton	Maximum	39	30	40	49	57	53	60	56	55	60	64	63	61	60	68	75	73	66	66	67	63	45	57	52	60	57	55	58	58	65	66	67	58.6
	Minimum	30	23	22	20	30	40	40	34	41	32	43	53	47	35	36	40	53	58	55	58	36	36	33	38	30	45	30	32	40	47	55	59	56.2
Russellville§§	Maximum	33	32	38	49	59	61	60	57	51	66	65	64	65	64	71	71	72	64	69	73	43	39	52	54	62	57	56	57	54	63	69	67	59.2
	Minimum	30	23	20	22	26	37	40	37	40	32	39	...	49	38	38	41	54	51	55	58	41	34	32	36	31	40	39	32	38	41	51	*38.2
Central Division.																																	
Anchorage	Maximum	35	42	42	48	52	50	58	53	...	61	...	65	61	60	...	77	70	66	75	64	60	40	...	55	58	53	52	56	58	66	...	*56.8
	Minimum	27	22	19	16	24	40	33	33	...	27	...	59	51	40	...	58	50	55	51	55	40	33	...	34	29	38	33	28	32	39	...	*36.2
Bardstown	Maximum	40	38	40	51	55	54	62	58	51	63	70	70	63	64	70	75	70	66	73	65	50	40	50	56	60	56	54	55	60	67	66	58.4
	Minimum	26	21	18	17	25	36	37	36	30	40	56	48	44	37	42	55	56	50	50	50	34	35	36	40	38	37	39	39	45	52	62	56	37.7
Bowling Green	Maximum	39	38	43	50	59	65	69	65	59	63	69	68	66	67	75	79	73	67	71	70	45	40	33	33	39	32	49	32	31	36	42	55	38.6
	Minimum	25	23	19	19	25	45	40	46	40	32	37	52	54	38	37	40	54	50	53	46	37	40	46	57	60	58	59	55	64	60	60	59.6
Dix Dam	Maximum	40	37	39	46	54	56	60	64	48	62	69	72	70	61	69	76	77	67	72	64	54	55	36	33	34	37	32	47	37	30	44	52	52	58.6
	Minimum	29	21	15	27	28	36	33	36	31	30	36	56	57	45	35	40	52	54	54	55	36	33	34	37	32	47	37	30	44	36	58	59	58.6
Eubank	Maximum	56	34	36	47	57	56	59	59	55	63	60	70	68	60	78	70	69	66	75	75	69	54	50	56	59	57	58	54	56	58	59	64	39.2
	Minimum	27	22	19	18	23	30	36	38	35	35	40	52	54	40	35	35	37	56	51	53	48	39	30	37	38	44	36	30	32	36	43	44	36.4
Frankfort	Maximum	10	42	41	45	54	53	60	58	54	60	69	72	70	59	65	75	72	65	71	72	65	41	47	54	60	59	49	52	58	63	63	58	58.5
	Minimum	31	24	24	20	24	46	34	39	38	30	35	52	57	45	36	39	48	54	55	55	38	35	37	36	32	45	38	30	32	41	54	54	38.8
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Franklin	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Glasgow	Maximum	52	32	44	44	58	62	59	61	70	55	72	56	60	78	79	75	72	71	68	72	44	42	55	57	61	58	59	62	57	64	64	59.8
	Minimum	25	17	15	23	38	44	42	48	50	30	40	44	40	50	44	49	48	56	52	56	35	32	34	39	36	48	35	32	37	39	44	56	39.7
Greensburg	Maximum	38	45	42	49	57	61	61	57	50	61	71	71	60	61	71	79	70	65	71	75	70	39	51	55	62	47	55	57	56	65	66	60	59.4
	Minimum	27	20	12	14	20	44	34	36	34	28	35	56	53	39	32	36	31	52	51	53	36	32	32	37	27	44	36	28	33	43	43	48	35.4
Irvington	Maximum	36	37	41	46	51	53	60	56	51	56	65	64	63	60	74	70	66	75	74	65	61	41	53	54	59	55	53	54	56	65	60	57.2
	Minimum	28	23	22	21	31	44	38	38	39	32	45	54	50	45	38	53	55	55	56	60	37	34	36	38	33	39	35	33	36	45	53	54	40.7
Junction City	Maximum	37	37	41	44	54	57	59	56	54	62	70	70	66	62	69	77	76	64	70	74	60	38	48	53	60	57	56	55	57	64	63	58.4
	Minimum	29	20	17	13	21	34	31	39	34	29	38	50	58	41	31	36	53	50	53	58	32	32	34	40	32	42	35	33	39	46	53	53	38.0
Leitchfield	Maximum	36	35	39	48	55	54	59	56	56	55	66	64	62	61	71	76	74	70	71	73	64	45	54	57	61	59	58	57	58	66	66	59	59.5
	Minimum	29	22	18	18	30	44	39	36	40	32	42	53	54	40	40	47	52	52	54	58	35	35	34	40	32	42	35	33	39	46	53	53	39.5
Lexington	Maximum	34	35	38	48	52	49	58	51	49	66	69	70	65	58	69	75	67	63	70	66	58	37	51	51	65	53	48	49	58	63	59	56.0
	Minimum	24	20	20	25	32	42	39	37	36	34	47	56	47	43	40	53	58	55	54	58	37	32	32	37	38	36	34	31	35	45	53	53	39.4
Louisville	Maximum	35	39	42	46	53	53	59	54	50	60	67	64	61	57	67	73	68	65	74	66	52	46	56	56	56	52	36	34	37	39	58	40	37	34	37	48	53	40.6
	Minimum	25	22	25	26	31	42	39	40	39	36	45	58	48	45	40	47	56	56	56	56	39	39	46	52	59	58	50	52	58	58	53	63	57.8	56.2
Do. (Cherokee Park)	Maximum	39	39	40	46	52	53	57	57	53	59	67	67	63	62	66	75	74	69	75	74	64	39	46	52	59	58	50	52	58	58	53	63	57.0	56.5
	Minimum	37	36	40	45	52	54	59	59	54	56	66	67	64	58	68	72	66	64	72	66	50	44	52	56	59	56	51	50	65	63	62	59	56.9	55.3
St. John	Maximum	27	29	18	17	25	42	35	33	38	29	40	55	51	46	36	40	51	54	53	55	31	32	32	37	30	38	32	30	28	44	53	36.9	35.3
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scott	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shelbyville	Maximum	39	39	40	47	52	52	58	56	49	60	68	69	66	69	67	75	67	66	70	64	62	46	49	54	59	55	50	49	59	64	67	61	58.0	57.5
	Minimum	29	22	21	15	21	34	31	34	32	26	37	43	54	41	33	35	45	53	52	55	34	31	31	32	27	39	34	24	28	37	32	63	62	56.8	34.2
Taylorsville	Maximum	38	38	39	48	52	53	60	55	51	62	68	69	65	68	68	74	68	66	71	67	55	37	35	35	37	31	43	37	29	33	42	54	38.6
	Minimum	30	24	22	17	26	50	33	38	37	28	37	46	46	34	36	40	53	55	54	58	40	42	38	43	32	38	34	45	49	55	62	60	55.5	37.3
Williamstown	Maximum	39	38	39	46	51	50	57	57	47	62	66	67	66	58	64	75	70	63	74	64	51	35	42	56	54	54	51	35	42	33	84	34	28	34	28	30	41	50	37.3
	Minimum	27	20	20	18	27	44	34	35	35	29	40	52	54	40	35	42	56	54	54	51	35	42	33	34	84	38	34	28	30	41	50	61	58.0	58.2
Eastern Division.																																	
Ashland	Maximum	34	37	36	48	58	56	56	55	53	64	68	72	72	71	68	71	76	71	79	77	65	48	46	53	56	56	49	50	46	61	51	61	58.0	58.2
	Minimum	27	26	24	22	42	43	32	40	32	50	36	47	50	40	34	36	46	45	53	52	54	50	47	36	37	35	36	47	38	30	26	36	48	38.2	57.0	57.3
Beattyville	Maximum	36	35	40	51	58	60	59	56	45	66	70	72	61	73	79	74	67	75	78	75	66	61	49	51	49	40	38	30	37	35	36	47	38	30	26	36	48	38.2	57.3
	Minimum	20	24	15	13	45	34	34	37	33	31	35	44	56	42	33	35	41	49	51	49	40	38	36	33	39	42	48	52	59	56	48	51	56	62	56	57.3	37.5
Berea	Maximum	34	33	35	43	56	55	60	56	49	63	72	72	71	58	66	78	75	66	71	74	67	48	52	56	68	61	50	54	62	63	62	61.7
	Minimum	28	20	12	14	24	45	35	40	37	31	40	56	57	43	34	45	60	70	76	74	67	48	52	56	68	61	50	54	62	63	62	61.7	39.2
Farmers	Maximum	39	36	41	51	59	59	59	55	50	68	73	74	72	71	71	81	79	70	76	74	67	48	52	56	68	61	50	54	62	63	62	61.7	39.2	59.0
	Minimum	26	23	16	13	16	44	27	36	29	25	30	44	60	38	29	32	41	49	51	53	41	33	39	30	27	45	35	35	35	22	33	50	59.0	59.7
Hinkman	Maximum	35	35	38	45	56	63	68	58	49	65	72	72	70	64	68	76	79	72	78	73	71	53	58	58	68	65	54	55	57	56	59	59.7	39.5	59.7
	Minimum	28	24	10	14	18	38	33	40	33	32	34	43	47	46	32	35	40	47	48	46	47	39	41	47	53	58	58	47	49	58	61	61	58.3	58.3
Maysville	Maximum	38	38	40	48	56	52	59	57	48	64	69	71	70	65	67	75	71	73	74	67	61	47	53	58	58	47	49	58	58	47	49	58	61	61	58.3	58.3
	Minimum	28	34	20	23	40	43	39	42	38	39	43	52	54	49	39	44	46	50	52	54	50	44	46	50	52	44	43	39	28	35	39	44	38	27	35	39	49	53.3	36.2
Middlesboro	Maximum	51	38	38	57	63	66	64	61	61	63	68	70	68	67	72	79	77	73	77	75	69	54	55	58	63	59	57	58	58	58	58	58	58	58	58	58	58	58	58.3
	Minimum	26	23	16	12	17	35	33	39	34	33	39	46	53	45	39	44	46	50	52	54	50	44	43	39	28	38	28	48	62	51	40	51	59	64	56	57.0	36.2
Mount Sterling	Maximum	36	33	34	44	56	52	56	59	48	62	70	72	70	64	67	76	75	69	74	71	65	48	53	54	65	58	38	28	38	35	39	28	38	28	39	50	51	35.2
	Minimum	26	21	14	14	21	35	31	34	34	28	35	46	45	43	36	45	46	50	52	54	50	44	43	39	28	35	33	35	38	28	38	28	39	50	51	35.2	61	59	61
Quicksand	Maximum	36	36	40	53	59	63	60	57	49	63	70	76	75	71	66	71	80	78	83	80	78	63	70	70	73	45	52	52	63	61	54	56	62	61	59	61	64	66	59.2
	Minimum	32	24	12	16	26	42	34	38	34	31	35	45	46	43	33	36	40	50	54	51	50	39	43	35	29	37	36	28	33	47	36	39	50	52	55	61	64	66	59.2
Richmond	Maximum	35	35	40	47	55	54	58	56	56	65	73	71	68	67	72	79	76	73	78	76	70	55	58	58	68	63	52	53	58	58	58	58	58	58	58	58	58	58	58.3
	Minimum	30	21	17	21	30	44	38	38	38	33	44	53	60	43	38	47	57	56	58	55	44	33	31	37	34	47	36	30	32	41	49	51	57	62	58	65	53	57	57.0
Sargent	Maximum	64	46	42	56	59	67	68	61	51	69	77	...	...	...	...	74	78	84	87	40	37	41	47	45	81	30	37	35	36	39	26	30	46	50	36	39	50	51	35.2
	Minimum	40	26	41	53	59	67	62	62	55	64	74	74	70	67	74	71	80	76	80	82	72	69	56	54	61	57	56	59	56	60	62	62	61	66	59	61	64	66	59.2
Williamsburg	Maximum	29	23	10	16	22	42	36	39	34	37	40	51	61	42	35	40	44	51	54	55	44	33	39	40	31	81	29	29	29	29	45	53	47	47	47	47	47	47	47
	Minimum	29	23	10	16	22	42	36	39	34	37	40	51	61	42	35	40	44	51	54	55	44	33	39	40	31	81	29	29	29	29	45	53	47	47	47	47	47	47	47

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* Other incidents respectively 1, 2, 3 etc., days missing from report.

W B O Inspection 4 to 7 10.00

Th... HEAVY OF THE
JU... 1997
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXII LOUISVILLE, KY., APRIL, 1927. No. 4

GENERAL SUMMARY.

Temperatures above normal predominated during the first two decades, causing rapid growth and abnormal advancement of all vegetation, The freezing temperatures and killing frosts that followed this prolonged spell of warm weather, in the period 22d-25th, resulted in almost complete destruction of tree fruits in the northern and eastern counties, and extensive damage in other districts. Strawberries, at that time in full bloom, were injured to the extent of about half of the crop. Wheat had reached the jointing stage, and probably suffered some injury. It was believed by experts that seed bluegrass was considerably damaged. Precipitation was frequent and often heavy, especially in the western counties. Except on a few days near the end of the month, plowing was generally impossible on account of the saturated condition of the soil. As a result very little land was made ready for corn, tobacco or cotton, potato planting and oats sowing could not be pushed, and gardening remained almost at a standstill. The oats sown and potatoes planted represented only a small part of these crops, which will be greatly reduced in acreage. Except in gardens, practically no corn was planted. Wheat and rye grew rank, and suffered in places from excessive moisture. On level lands and close soils wheat turned yellow, and in all districts it showed in its color the effect of lack of sunshine. Clover and alfalfa also reached an advanced stage and were somewhat injured by the freezed. Tobacco plants made seasonable progress and, being protected by cloth, escaped damage. In the western counties large areas of lowland was under water, while level or nearly level uplands were more or less affected by standing water during most of the month. In such districts practically no agricultural progress occurred. The month, ended with heavy rains, saturated soils, and all farm work in a discouraging state of delay.

TEMPERATURE.

The average temperature for the State, 43 stations reporting, was 58.7°, which is 2.8° above normal. In the brief cold period from the 21st to 25th, temperatures averaged from 10° to 20° below normal in most districts. In the two periods of high temperature, 17-20th and 27-28th, maxima between 80° and 90° occurred at most stations. The extremes at the various stations were 92° on the 27th at Williamsburg and 22° on the 26th at Farmers.

PRECIPITATION.

Precipitation for the State, based on reports from 80 stations, averaged 6.39 inches, which is 2.36 inches above normal. In the western counties, including the lower Green River Valley, monthly amounts ranged between 7.0 and 10.0 inches. Most of the eastern third of the State received 5.0 to 7.0 inches. An irregular north-south belt through the central districts received from 4.0 to 5.0 inches. Rain occurred daily from the 1st to the 22d inclusive. Amounts in this long period were light to moderate on most days, except in the western counties, where they were heavy locally on the 5th and almost daily from the 8th to 14th. Moderate to heavy rain also occurred in the period 29-30th. The extremes for the month were 3.89 inches at Lexington and 13.25 inches at Paducah. Hail occurred on the 29th at Louisville, Williamstown, and Murray, but caused no damage of consequence.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.)					Wind.				
								Max. Velocity *		
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.99	30.49	22	29.52	1	7805	10.8	41	sw.	1
Cincinnati ..... Ohio	30.05	30.47	24	29.47	1	6512	9.0	31	n.	29
Evansville ..... Ind.	30.04	30.50	22	29.52	1	7593	10.5	50	w.	29
Lexington ..... Ky.	30.04	30.46	24	29.51	1	10456	14.5	60	nw.	29
Louisville ..... Ky.	30.04	30.46	24	29.47	1	8481	11.8	58	w.	29

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity.			Sunshine.				
							Number of days with	
	7 a. m.	Noon.	7 p. m.	Total hours of sunshine.	No. of hours possible.	Percentage of possible.	80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	81	73	72	246.2	394.8	61	10	5
Cincinnati ..... Ohio.	78	65	65	221.1	397.4	56	9	7
Evansville ..... Ind.	79	64	64	221.3	396.1	56	11	7
Lexington ..... Ky.	84	71	..	156.7	396.1	40	4	12
Louisville ..... Ky.	76	53	67	227.3	396.1	56	9	7

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.				Precipitation.		Average Number of Days.			
	Monthly average.	Departure from 35-year normal	Highest.	Lowest	Monthly average	Departure from 35-year normal	No. of days with .01 in or more rain.	Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	57.0	+ 1.1	89	24	1.61	−2.42	..	..	..	..	.....
1890...	57.0	+ 1.1	92	28	4.04	+0.01	..	..	..	..	.....
1891...	58.0	+ 2.1	92	24	2.52	−1.51	..	..	..	..	.....
1892...	56.0	+ 0.1	88	22	7.12	+3.09	..	..	..	..	.....
1893...	58.0	+ 2.1	94	21	6.99	+2.96	..	..	..	..	.....
1894...	56.9	+ 0.1	94	23	3.54	−0.49	..	..	..	..	.....
1895...	57.2	+ 1.3	94	22	3.18	−0.85	9	13	8	9	.....
1896...	63.6	+ 7.7	96	24	1.65	−2.38	6	13	12	5	.....
1897...	55.5	− 0.4	90	25	6.03	+2.00	11	11	9	10	T.
1898...	52.4	− 3.5	86	19	3.38	−0.65	9	12	8	10	1.1
1899...	57.2	+ 1.3	96	20	3.16	−0.87	9	13	8	9	0.3
1900...	56.2	+ 0.3	90	15	2.15	−1.88	8	14	8	8	T.
1901...	50.9	− 5.0	91	23	4.01	−0.02	10	11	5	14	2.6
1902...	54.2	− 1.7	93	22	2.45	−1.58	9	14	9	7	3.1
1903...	55.4	− 0.5	90	22	4.43	+0.40	12	10	7	13	T.
1904...	50.8	− 5.1	85	16	2.83	−1.20	11	10	7	13	1.7
1905...	56.7	+ 0.8	91	23	3.00	−1.03	9	12	8	10	0.2
1906...	59.5	+ 3.6	94	23	1.40	−2.63	6	17	7	6	0.0
1907...	48.2	− 7.7	87	19	2.78	−1.25	11	10	5	15	6.2
1908...	59.8	+ 3.9	89	23	6.56	+2.53	14	12	6	12	0.8
1909...	56.1	+ 0.2	96	21	5.98	+1.95	10	14	7	9	T.
1910...	55.4	− 0.5	88	23	5.14	+1.11	14	12	6	12	0.7
1911...	53.8	− 2.1	90	20	7.06	+3.03	14	11	5	14	T.
1912...	58.4	+ 2.5	87	25	7.00	+2.87	12	11	7	12	T.
1913...	55.3	− 0.6	89	27	2.73	−1.30	10	14	5	11	T.
1914...	55.7	− 0.2	91	13	3.62	−0.41	10	11	8	11	T.
1915...	60.1	+ 4.2	96	17	0.96	−3.07	5	17	8	5	0.0
1916...	54.0	− 1.9	89	23	2.64	−1.39	9	11	8	11	1.4
1917...	55.8	− 0.1	90	19	5.02	+0.99	8	14	7	9	0.5
1918...	53.9	− 2.0	87	25	4.07	+0.04	12	8	8	14	0.3
1919...	56.7	+ 0.8	89	19	3.51	−0.52	10	13	7	10	0.0
1920...	50.8	− 5.1	89	22	6.16	+2.13	13	9	8	13	0.2
1921...	58.2	+ 2.3	90	22	4.09	+0.06	10	15	7	8	T.
1922...	59.5	+ 3.6	88	25	4.25	+0.22	10	14	8	8	0.0
1923...	54.8	− 1.1	90	13	4.88	+0.85	9	15	6	9	0.0
1924...	57.4	+ 1.5	93	19	3.41	−0.62	10	13	7	10	0.1
1925...	61.2	+ 5.3	88	28	3.16	−0.87	10	14	7	9	0.0
1926...	51.6	− 4.3	87	16	3.17	−0.86	10	13	7	10	T.
1927...	58.7	+ 2.8	92	22	6.39	+2.36	15	10	8	12	T.

Climatological Data for April, 1927.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.						Precipitation in inches.				Number of days				Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Prevailing direction of wind.	
Western Division.																		
Beaver Dam	Ohio	441	23	61.4 + 5.5	85	19	30	23	34		5.18	+1.06	0.75	0	9	13	9	8	w.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	45	60.5 + 3.1	82	28	82	22	37		8.14	+3.61	1.74	0	14	7	5	18	sw.	E. W. Horr.
Calhoun	McLean	437	23	61.2 + 2.8	84	19	31	22	34		7.66	+3.07	2.00	0	15	6	12	12	se.	W. A. Taylor.
Earlington	Hopkins	420	37	62.2 + 4.9	85	28	30	22†	36		8.43	+4.06	1.22	0	14	14	2	14	sw.	Brick Southworth.
Greenville	Muhlenburg	519	10	*60.8 + 3.4	84	4†	29	23†	36		8.45	+3.58	1.80	0	16	11	15	3	s.	C. R. Lovell.
Hopkinsville	Christian	571	29	60.4 + 3.1	83	27	30	22	28		8.63	+4.23	1.50	0	13	13	5	12	se.	W. E. Graves.
Marion	Crittenden	364	18	62.7 + 5.5	83	28	31	22	32		8.44	+3.86	1.20	T.	16	7	8	15	sw.	B. C. Paris.
Mayfield	Graves	412	1	62.2	85	17†	30	22	38		9.80		1.52	0	13	7	6	17	s.	Mrs. C. R. Sowell.
Murray	Calloway	479	30	59.0 + 3.5	82	19	30	22	35		6.58	+2.52	2.10	0	13	7	6	17	s.	Harry B. Arnold
Owensboro	Daviess	516	10	61.9	85	27†	31	22	36		10.74	+5.18	1.70	0	17	12	5	13	se.	J. W. Lilley
Paducah (near)§	McCracken	341	38								13.25	+8.92	2.00		14					Frank L. Brown.
Paducah	McCracken	529	20	59.8 + 1.7	82	4	30	22	33		9.37	+5.37	1.98	T.	16	7	2	16	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	10								7.77	+3.55	2.45		14					Thos. L. Wetzell.
Ramsey, Lock 2‡	McLean	390	16	59.6 + 1.6	84	28†	32	22†	39		7.39	+2.55	1.11	0	15	7	4	19	s.	Wm. Shelton.
Russellville	Logan																			
Central Division.																				
Anchorage	Jefferson	700	26	56.3 + 3.1	83	19	26	24	34		5.63	+1.63	1.69	0	11	16	4	10	se.	C. E. Barret.
Bardstown	Nelson	637	30	58.6 + 3.0	84	19	27	24	34		6.69	+2.71	1.35	0	14	8	8	14	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	38	61.5 + 3.4	87	27	30	23†	36		6.71	+2.45	1.38	0	15	7	16	7	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	2								5.81		0.96		16					J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	10								6.90	+1.83	1.08		17					Virgil M. Whalin.
Burnside	Pulaski	773	36								5.93	+1.73	1.20		15					F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	28								5.89	+2.71	2.46		15					Charlie Oliver.
Cloverport	Breckenridge	422	13								7.67	+3.62	2.75	0	13					W. A. Cockerill.
Cold Spring, Dam 36	Campbell	459	1								4.91		1.28		18					W. L. Patchell.
Dix Dam, Burgin	Mercer	770	3	*58.1	84*	20	28*	24†	36*		4.15		1.01	0	12	14b	3b	11b		G. D. Glass.
Eubank	Pulaski	1177	33	58.0 + 3.7	84	20	26	24†	34		6.99	+3.09	1.07	0	16	11	9	10	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	35	58.1 + 2.8	84	19	29	24	32		5.42	+1.69	1.55	0	13	10	7	13	s.	Sidney Wood.
Frankfort	Simpson	691	32																	Jos.H. Blewett.
Franklin	Henry	449	16								5.29	+1.34	1.50		17					Albert Purvis.
Gest, Lock 3	Henry	780	6								5.01		1.40	0	11	17	9	5	s.	Dr. Fidella Edwards.
Glasgow	Barren	506	2								3.98		1.22		16					Bert Ross.
Grant, Dam 38	Boone	581	34	58.8 + 3.6	85	19	27	23†	37		4.42	+0.57	0.92	0	18	2	3	25	n.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	550	25								5.66	+1.90	1.20		14					Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	646	29	59.2 + 3.7	81	19	32	22	33		6.57	+2.55	1.05	T.	13	11	5	14	sw	W. J. Pigott.
Irvington	Breckenridge	465	33	58.2 + 3.3	84	19	26	25	38		6.64	+2.70	1.22	0	19	14	12	4	sw.	William E. Grubbs.
Junction City	Boyle	985	33	58.2 + 3.3	84	19	26	25	38		6.64		1.30		15					L. J. Vanhook.
Lancaster	Garrard	1032	1								6.24	+1.86	1.40	0	13	8	15	7	nw.	H. H. Willis.
Leitchfield	Grayson	635	31	59.2 + 3.8	83	18	31	22	31		3.89	+0.55	0.79	0	14	7	10	13	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	43	55.4 + 1.1	83	19	32	24	31		6.32	+2.73	1.70		15					Horace Canter.
Littlefickman, Lock 8¶	Jessamine	523	16								4.16	−0.14	1.80		14					Andrew J. Keenan.
Lockport, Lock 2	Henry	476	17								5.16	+1.09	2.04	0	15	6	8	16	se.	U. S. Weather Bureau.
LOUISVILLE	Jefferson	525	54	57.4 + 1.0	83	19	33	24	32		7.54	+3.08	1.86	0	13	10	10	10	s.	Wm. I. Hunt.
Do. (Cherokee Park)	Do.	534	17	57.8 + 1.7	83	19	30	24	34		4.80		0.90	0	11					O. R. Richardson.
Munfordville	Hart	600	2								5.91	+1.73	1.53	0	13	20	0	10		Sisters of Loretto.
Mt. John	Hardin	777	31	58.0 + 3.4	83	18	28	24†	36		6.10	+2.95	1.28		13					Ernest M. Searcy.
Salvisa, Lock 6¶	Mercer	490	13								5.32	+1.78	1.40	T.	15	1	13	6		E. B. Wilson.
Scott¶	Kenton	900	29	53.4 + 0.2	81	19	27	24	30		5.20	+1.48	1.47	0	13	14	6	10	ne.	Miss Ruth Ratta.
Shelbyville	Shelby	825	38	55.8 + 1.1	83	19	29	24	40		5.13	+0.76	0.78	0	14	11	7	12	se.	E. D. Bourne.
Taylorsville	Spencer	489	25	58.1 + 3.6	82	19	28	24	32		5.51		2.26		10					H. K. Vaughn.
Tyrone, Lock 5¶	Anderson	526	9								6.87	+3.54	2.09	0	17	9	13	8	w.	Mrs. E. S. Hunlong.
Williamstown	Grant	943	24	54.4 + 1.6	82	19	27	24	32		6.52	+1.98	1.60		14					J. C. Stinson.
Woodbury, Lock 4‡	Butler	533	10																	
Eastern Division.																				
Ashland	Boyd	534	10	55.6 − 0.2	85	19†	27	24	37		6.45	+3.12	1.36	0	18	11	1	18	sw.	Curtis Purvis.
Beattyville	Lee	650	23	58.1 + 3.6	86	19	26	25	41		5.59	+1.44	1.40	0	16	6	10	14	e.	Robert S. Smallwood.
Berea	Madison	1070	25	58.2 + 2.9	84	19	26	24†	35		6.50	+2.81	1.25	0	17	1	25	4	sw.	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	17								6.22	+2.96	1.40		15					Kelly Walden
Cynthiana	Harrison	684	9								5.99	+1.91	1.73		16					P. H. Kehoe.
Falmouth	Pendleton	600	38								6.08	+2.61	1.98	0	15	9	11	10	se.	J. V. Oldham.
Farmers	Rowan	668	19	*56.6 + 1.0	87b	19	22†	26	40*		5.58	+1.48	1.23	0	12	11b	6b	11b	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	2								7.41		1.60		12					C. A. Glascock
Ford, Lock 10¶	Clark	593	11								5.26	+1.33	1.47		15					John A. Walters.
Grayson	Carter	589	2								4.99		1.05		17					Col. Frank Powers.
Greenup	Greenup	540	7								5.11		1.72		18					T. Mitchell.
Greenup, Dam 30	Perry	869	3								5.68	+2.90	0.97		13					Chas. O. Ihrig.
Hazard	Lee	664	10								6.50		1.19		15					S. C. Cole.
Heidelberg, Lock 14	Knott	1032	2	57.6	85	19†	27	23†	39		6.50		1.27	0	15	14	3	13	sw.	Miss Lake Napier.
Hindman	Letcher	1566	2								6.02	+2.71	1.05		13					R. R Davidson.
Jenkins	Lawrence	584	28								5.74	+2.34	1.22		19					Russian Copley.
Louisa	Lawrence	524	30	55.1 + 1.0	85	19	26	24	34		5.40	+0.61	1.36	0	19	11	6	13	s.	Perry E. Bennett
Maysville	Mason	1128	31	59.4 + 2.8	88	27	24	23†	47		5.88	+1.96	1.37	0	12	15	14	1		Matthew Woodson.
Middlesboro	Bell	930	37	55.8 + 2.2	85	19	25	24†	36		5.54		1.68	0	14	12	6	12	w.	W. R. McKee.
Mount Sterling	Montgomery	497	5								6.74	+3.16	1.40		16					Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	656	21								5.59		1.32		14					Robert Repass.
Pikeville	Pike	640	2								7.12		1.62		11					F.C. Hall.
Prestonsburg	Floyd	732	2	*58.7	87*	19	27*	25	38*		6.61	+3.52	1.56	0	16					R. W. Jones.
Quicksand	Breathitt	631	9								5.46	+1.85	1.50		14					Walter P. Bush.
Ravenna, Lock 12	Estill	926	36	59.2 + 3.7	85	19	29	24	33		7.13		1.28	0	15	13	3	14		J. W. Crooke.
Richmond	Madison	1235	4	59.0	87	19	28	25	42		4.12	+0.04	1.50	0	14	13	5	12	sw.	R. P. Crawford.
Sergent	Letcher	541	14								7.56	+4.20	0.6*		18					Thos. Sullivan.
Valley View, Lock 9	Madison	525	12								6.66		1.70		16					H. M. Fannin.
Vanceburg	Lewis	700	1																	
Wayland	Floyd	1142	2								6.66		1.55		13					C. H. Zimmerman.
Whitesburg	Letcher	939	30	61.5 + 5.8	92	27	29	24	39		6 65	+2.37	1 17	0	18	15	4	11		Lawrence R. Uhl.
Williamsburg	Whitley	611	8								6.51	+3.73	1.35	0	12					Shelby Angel.
Willow, Lock 13	Lee																			
State averages and extremes				58.7 + 2.8	92	18†	22	26	47		6 39	+2.36	2 75	T.	15	10	8	12	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperatures and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
The departures from normal temperatures and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, *, b, *, appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oak.
* Also on other dates. ** Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
¶Post-office addresses: – Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Covington, Ky.

MISCELLANEOUS,

April 1.—Wind-storms in western Kentucky caused damage to buildings, wire systems, etc., estimated at $50,000 in McLean County, and $40,000 in Grayson, Barren, Carrollton, and Hopkins counties.

April 21.—Winds removed 43 houses from their foundations in the flooded district of Ballard County.

April 29.—Windstorms in Anderson and Bourbon counties, caused damage to buildings estimated at $30,000; and a loss of about $20,000 in or near Louisville.

Daily Precipitation for April, 1927.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
ver Dam ‖ G	.60				.65			.60	.68				.30	.30		.70															5.38
ndville M			.13		1.24			.57	.08	.26	.16	1.09	.58	1.19	1.74			.13		.13	.55										6.14
houn G	.78		T.		1.04		.08	.64	.26	.11	T.	.03	.80	.51		.56		.06		.09	.35										4.66
dington ‖ G	.92			.11	1.19			1.14	.49	.34		.18	1.20	.59	.02	.60		T.			.23	.20						2.00	.36		7.66
enville G	.50		.13		1.30		.25	* 1.80	.25	.11	.48	.87	.29		.84						.05	.56	.04						.96		8.43
kskusville ‖ C	.23			.11	1.26			1.06	.17	.78	T.	.22	.82	.80	T.	.96						.31	.40						.96		8.45
rton O	T.		.22		.92		.36	1.10	.43	.53	.27	.23	1.00	1.20	.05	.65					.18	.58			T.			T.	1.50		8.42
field M	.15				1.05			.90	.30	.93	.15	.55	2.00	1.00	.10	.12					.25	.65							.60		8.14
rray ‖ T				1.52			.74	1.10	.61	T.	.19	1.28	.50	T.	1.20						.72	.34			T.	T.			.10	*		9.15
ensboro ‖ O			T.	T.	.86			.35	.13	.12	.04	.63	1.02	.59	T.	.47		.51			.10	.26							2.10		6.58
ucah (near) ¶ O	.50		.12		1.20		.20	1.60	.12	.46	.15	.20	1.70	.75	.25	1.55					.15	.75							.15	.95	10.74
ucah ‖ O	1.37			.12	1.27			1.72	.24	.38	.14	.25	1.65	1.49		1.80					.45	.37							2.60		13.25
nceton G			.13	1.00	.42		.19	1.90	.17	.62	.21	.09	.96	.65	.68			T.		.01	.54			T.				.05	1.75		9.37
sellville ‖ G	1.00			.08	.71			.80	.05	.04	.59	.16	.71	.65	.97		.02			.03	.23	.27									7.77
																														7.39
Central Division																														
chorage O	.47		T.		.20	.09	T.		.81				.39	.29		.30		1.32		.03										5.63
dstown ‖ S	.70			.06	.42			.40	.15	.68			.18	1.08	.35		.36		.85		.06	.05						1.69	.04	6.69
rling Green ‖ G	1.17			.03	.62	.03		.90	.10	.10	.05	.26	.15	.69		.59		T.			.26	.38							1.35		6.71
rling Green, No. 2 ‖ G	.85	.09		.31	.56	.04		.87	.19	.11	.06	.32	.17	.50	T.	.22					.26	.38							1.38		5.81
wnsville, Lock No. 6 ‖ G	.92			.02	.64	.03		.64	1.00	.50	.07	.09	.24	.51		.57	.05		.05		.14	.35							.96		6.00
nside ‖ C	1.20				.25	.08		.50	.40		.10	.08	.47	.66				.32	T.	.41		.46	.38					.32		1.08		6.93
rollton ‖ (Lock No. 1) K	.87		.05	.08	.20			.35	.36	T.			.04	.16	.03			.18		.95	.03	.05							2.95		5.89
rerport ‖ O	2.75			T.				.85	.33	.35	T.	.01	.78	.22	T.	.77	.01		.51	T.	.10	.15							1.34		7.67
l Spring, Dam 36 ‖ O	1.28	.02	.02	.01	.09	T.		.16	.41	.04			.13	.11	T.	.04	.04		.95	.06	.05	.02					T.		.35	1.15	4.91
Dam, Burgin ‖ K			.16	.16	.02	.02	.50	.45	.25			.11	.54						.80		.15			T.						4.15
nank ‖ G	.05			.05	.40	.08		1.07	.47	.75		.10	.05	.52	.05		.50		.65		.25	.45							1.01		6.99
nkfort ‖ K	1.00		T.	.11	.08			.44	.58	.03			.04	.54	.05	T.	.15		.82	T.	.03	T.							1.55		5.42
nklin G																														
, Lock No. 3 ‖ K	.93	T.	.05	.56	.18	T.		.38	.60	.02			.06	.42	.07	.02	.18		.40	.03	.05	.04							1.50		5.29
at. Dam 38 ‖ O	1.22	.01	T.		.09			1.40	.28			.13	.90			.43	.13	.10		.21	.31								1.25		5.01
ensburg ‖ G	.30		.03	.01	.33	.06		.10	.24	.04			.08	.17	.02	T.	.04		.75	.15	.01	.03		T.	.25				.75		3.98
h Bridge, Lock No. 7 ‖ K	1.20			.07	.20	T.		.65	.41	.29	.02	.06	.18	.33	.01		.36		.17		.12	.17							.92		4.42
ngton O	.99	T.	T.		.55			.44	.52	.06			.21	.50	.10		.30		.81		.14	.07							1.04		5.66
ction City K	.70	.07	.01		.23	.02		.38	.53	.07		T.	.76	.12		.81		.80		.16	.10							.25	1.05	6.57
uster K	.78		.01	.06	.15			.70	.46	1.22		.03	1.20	.12		.29		.86	.02	.03	.08	.05							.35	.70	6.64
chfield G	.50	T.	T.		.90		T.	.85	.56	1.30			.13	1.06	.02		.25		.15		.05	.12								.65	5.67
ington *** K	.33	T.	T.		.17		.03	.50	.50	.10		T.	.57	.15	T.	.70		.20		.05	.30							.37	1.40	6.24
le Hickman, Lock No. 8 ‖ K	1.70		.05	.12	.13	T.		.58	.18	.02		T.	.39	.16		.14		.77		.30	.03			T.				.43	.86	3.89
xport, Lock No. 2 ‖ K	T.	.03	.24	.12			.39	.43	.04			.07	.51	.11	.04		.26	T.	.06		.06								.87	6.32
rsville *** O	.30	T.	T.		.26		.14	.57	.03			.12	.20	.19		.38		.86	.01	.01	.05							1.86		4.16
, (Cherokee Park) O	1.86	T.	T.		.31			.44	.43	.04			.45	.21		.44		1.15		.05	.05							2.02	.02	5.16
fordville ‖ G	.80				.39			.45	.60	.65		.10		.30		.30	T.		.20			.20						1.18	.93	7.54
lohn S	.51		T.		.68			.46	.87	.08		.05	.35	.37	T.	.43			.35		.02	.21							.50	4.50
isa, Lock No 6 ‖ K	1.28				.26				.56	.16			.50	.65	.10	.26	.16		.75		.15	.12							1.53	5.91
t L	1.14	.05	.04		.09			.19	1.40				.19	.02		.07		.77		.11	.07	T.				.01		.57	1.15	6.10
byville ‖ S				.08	.38			.46	.58	.05			.10	.60	.13	.24		1.03			.02	.06							.30	1.47	5.32
orsville K	.64	.01	T.	T.	.27			.41	.71				.35	.49		.24		.75	.02	.04	.07								.78	5.20
ne, Lock No. 5 K		.07						1.04	.09				.52	.02			.21	2.26			.03								2.02	.02	5.13
mstown ‖ L	1.09	.02	.01	.13	.10			.26	.58	.03			.07	.25		.02	.24		2.09		.27	.02							1.25	.02	5.51
dbury, Lock No. 4 ‖ G	.88			.03	.62	T.		.79	.09		.13	.13	.52	.32		.85	T.		.10		.24	.22							1.57		6.87
Eastern Division																													1.60	6.52
land ‖ O	1.02	.03	.05	.21	.21	.01		.20	1.20	.11			.25	.27	.02		.30		.51		.14	.38					.15		1.36	6.45
tyville ‖ K	1.40		.03	.03	.24	.10		.38	.95	.04			.03	.65	.19		.36	T.			.32	.59						.05	.23	5.59
a K	.73	.03	.10		.17	.01		.76	.72	.62		T.	1.25	.15		.36		.15		.05	.66	.07				T.		.10	.57	6.50
ge Hill, Lock No. 11 ‖ K	1.40		T.	.05	.20	.05		.45	.65	.05			.15	.72	.20		.25		1.05		.20						.10		.76	6.22
buna ‖ L	1.09	.02	T.	.26	.12	T.		.35	1.08	.03	T.	T.	.09	1.02	.07	.02	.15		.84	T.	.10	.02	T.	T.					1.73	5.99
nouth L			.02	.18	.30			.20	.65				.06	.25	.03		.11		1.71	.02	.24	T.					.51		.03	1.98	6.08
ners L	1.23			.25	.22			.37	.70				.30	.40		.30			.38		.28						.33		.92	5.58
ngsburg ‖ L	1.07		.45	.11				1.10				.30	.33		.15				1.30	.50	.15									7.41
l, Lock No. 10 ‖ K	1.47		T.	.02	.10	.02		.42	.56	.07			.17	.33	.05		.19		.45		.47	.09					.35		1.60	.85	5.26
nup, Dam 30 ‖ O	.90	.02	.04	.06			.10	.67	.10			.17	.20	.02		.15		.32		.16	.17	.27				.09			.80	4.59
rd ‖ K		.21	T.	.33	.21	T.		.21	.97	.32	.60	.15	T.	.83	T.			.80	.60	T.			.21	T.		.15	.01		.15	1.72	5.11
elberg, Lock No. 14 ‖ K	1.19			.05	.42	.05		.04	.85	.10			.04	.70	.13		.32		.14		.76	.58				T.	.06				5.50
lman K	.38	T.	.05		.40			.68	.59	.22		T.	1.27	.38		.42	.10	.02	T.	.09	.70	.68							.31	5.68
ins K			.08		.15		.60	.69	.20				.40	1.05	.24		.74		.13		1.32								.52	6.50
sa ‖ B	1.22	.08	.30	.08				.42	.55	.25			.25	.25	.02		.82		.40	.04		.91						.05	.65	6.30
sville O	1.03	.01	.06	.01	.07	.01		.14	.92	.03			.12	.12	.14	.01	.09		1.17		.37	.06	T.		T.	.05		T.	1.30	.45	6.02
lesboro C					.85			1.37	.33	.26		.05		.20		.45	.30				.30	.48				.06			.76	5.77
nt Sterling ‖ L	1.68		T.	.17	.13			.25	.38	.07			.32	.56	.06	T.	.28		.51		.39	.13							.76	5.40
nta Dam 35 ‖ O	1.12	.05	.02	.01	.16	T.		.18	.58	.07			.10	.07	.04	T.	.09		1.20	T.	.10					.35		T.	1.40	.55	5.88
ville ‖ B	1.32			.38	.18	.28		.26	.52	.28			.08	1.12			.52		.38			.92				.28			.22	5.54
lonsburg ‖ B	1.62					.12		.31	.89	.15			T.	.38	.12		.20		.83			.70							.27	6.74
ksand K	1.15			.05	.09	.15	.48	.90		.25		T.	.12	.93	.10		.47		.44		.15	1.56								5.59
nma, Lock No. 12 ‖ K	1.56		T.		.16	T.		.58	.85	.10			.08	.83	.12		.42	T.	.40		.25	.63				.02	.20			7.12
mond ‖ K	1.28		.03	.06	.12			.15	.66	.09		T.	.05	.56	.09		.30		1.20		.04	.08				.05			.64	6.61
ent K	.46				.46			.63	.29	.52	.01		1.50	.57		.08	.95				.29	.95				.10			.32	5.46
ey View, Lock No. 9 ‖ K		.18	.15	.30	.12		.30	.48	.25			.08	.26	.10	.08	.20		.40		.23	.20					.10		.60	.09	7.13
eburg, Dam No. 32 ‖ O	1.00			.18	1.00			.20	.70	.10			.15	.30	.80	.30	.20		.55		.20	.10				.08			1.70	4.12
laid ‖ B																														7.56
esburg ‖	.78					.12		.41	.50	.23			.19	1.55	.35		.99	.89	.10		.99					.06				
amsburg ‖ C	.94				.10	.10		.33	.28	.05	.10	.10	.21	.33	.90		1.00	.06	.20		1.11	1.17				.11			.56	6.66
ow, Lock No. 13 ‖ K	1.35				.11			.67	.65	.04			.98	.15		.34			.43	.98	.35								.48	6.65
																														6.51

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the ime of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

§ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking: (K) Kentucky: (S) Salt: (G) Green: (C)Cumberland T) Tennessee: (O) Ohio: (M) Mississippi. ¶Lone Oak.

Rivers:—The Ohio River continued at moderately high stage, with a large volume of water throughout the month. It was near or somewhat above flood stage at Paducah, considerably above flood stage at Cairo, during the entire month. It was above flood stage at Evansville from the 14th to 18th. Columbus, Ky. was flooded on the 14th due to the breaking of a levee. Hickman was partly flooded during the latter half of the month.

Daily Temperatures for April, 1927.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	79	68	63	82	81	75	67	74	69	68	67	68	78	71	78	70	83	84	85	77	69	56	65	55	55	65	79	83	83	81	79	.. 73.1
	Minimum	57	41	38	48	53	41	40	47	59	51	45	54	58	55	59	54	57	66	68	61	44	31	30	31	31	50	60	49	60	50	.. 49.6
Blandville	Maximum	75	50	67	78	74	71	62	76	68	67	56	67	75	74	72	73	79	80	81	74	62	56	61	47	63	72	79	82	73	66	.. 69.0
	Minimum	53	42	40	55	53	49	50	51	59	55	49	53	59	56	59	55	57	65	68	61	42	32	33	39	41	51	59	58	63	58	.. 52.0
Calhoun	Maximum	77	67	64	82	81	76	72	72	67	68	63	69	76	72	74	79	81	81	84	80	60	44	31	32	34	84	51	60	50	60	50	.. 60.4
	Minimum	58	40	39	48	53	45	51	47	59	51	46	52	58	54	59	55	57	67	68	60	44	31	32	34	34	51	65	76	84	85	71	.. 72.9
Earlington	Maximum	79	68	66	83	79	74	69	73	70	68	66	70	77	73	75	79	84	83	84	69	62	56	30	30	33	34	52	61	51	65	51	.. 51.5
	Minimum	59	44	38	47	54	41	49	49	60	54	47	55	60	55	63	66	53	66	69	62	56	50	30	33	34	56	50	65	76	82	84	65	.. *72.4
Greenville	Maximum	79	68	62	84	78	74	69	...	74	69	63	70	77	73	75	76	82	82	83	80	71	54	56	50	31	39	49	59	40	62	49	*49.2
	Minimum	57	40	36	48	52	40	48	...	46	52	44	53	55	56	60	54	51	65	75	60	42	31	32	33	32	47	59	74	87	82	74	.. 73.6
Hopkinsville	Maximum	81	69	67	83	81	75	66	77	72	71	61	68	77	78	75	80	85	84	85	81	67	54	55	48	65	75	84	87	82	74	.. 50.3
	Minimum	55	41	37	49	52	41	51	50	58	54	47	54	58	56	63	64	53	66	64	63	43	33	30	34	37	47	56	53	59	50	.. 70.1
Marion	Maximum	74	64	66	80	74	72	72	75	69	66	57	68	74	70	72	76	80	80	81	82	64	52	50	48	61	72	83	82	74	65	.. 50.8
	Minimum	56	40	38	49	49	48	50	49	59	58	50	46	59	54	60	55	55	69	68	60	42	30	32	35	38	50	59	55	65	50	.. 73.2
Mayfield	Maximum	76	74	69	79	78	73	72	76	72	70	75	67	75	76	77	75	80	82	82	80	65	57	56	53	64	73	81	83	82	78	.. 52.2
	Minimum	58	42	40	53	52	46	53	51	60	58	50	54	59	57	64	55	54	66	68	60	44	31	34	38	42	50	57	57	64	52	.. 72.9
Murray	Maximum	78	60	76	82	74	75	82	79	71	72	70	70	80	79	76	77	85	84	82	75	62	56	52	48	59	72	80	87	80	67	.. 51.5
	Minimum	56	44	38	50	54	40	47	52	59	58	58	59	59	60	64	57	50	67	67	60	44	30	32	38	41	46	59	52	60	49	.. 69.5
Owensboro	Maximum	74	60	64	80	72	72	72	66	66	63	60	73	73	75	76	79	80	82	79	60	59	55	30	32	33	32	47	59	50	60	49	.. 48.4
	Minimum	54	39	35	45	52	41	48	45	57	48	43	51	56	50	55	54	54	54	65	59	55	30	32	33	32	47	53	58	65	78	69	.. 72.2
Paducah (near)	Maximum	78	66	70	79	76	75	67	76	70	70	57	71	75	75	72	78	82	83	82	77	64	57	58	54	66	75	85	85	78	69	.. 50.8
	Minimum	55	42	39	43	54	43	52	49	59	56	50	53	60	55	64	54	56	67	68	60	45	31	32	40	42	51	59	57	61	52	.. 51.6
Princeton	Maximum	76	68	64	82	74	70	68	74	68	66	56	69	76	73	69	76	81	80	75	67	54	50	48	62	73	79	80	76	69	.. 69.9
	Minimum	55	40	37	49	52	41	51	49	58	53	46	52	59	53	62	54	54	66	67	60	43	30	31	34	35	46	56	54	60	50	.. 49.4
Russellville§§	Maximum	77	45	66	81	67	73	57	77	69	60	65	65	71	78	74	72	83	83	82	75	62	52	53	53	61	73	80	75	76	67	.. 67.2
	Minimum	53	44	35	42	54	41	48	49	62	56	47	48	52	58	61	55	55	58	65	62	55	32	33	32	34	41	55	52	58	55	.. 49.4
Central Division.																																	
Anchorage	Maximum	77	56	58	76	71	72	59	61	70	59	62	65	65	55	79	71	81	76	83	69	65	51	51	53	61	73	80	75	76	67	.. 67.2
	Minimum	52	40	39	45	50	38	45	38	52	45	37	49	48	45	53	55	48	61	63	58	45	33	30	26	28	49	50	44	52	46	.. 45.4
Bardstown	Maximum	79	54	64	78	72	73	57	74	70	59	64	65	70	62	80	73	81	82	84	82	62	56	51	55	62	76	81	80	80	66	.. 69.5
	Minimum	55	45	38	45	47	40	43	43	58	48	38	51	56	50	58	64	50	62	64	60	40	33	31	34	27	51	60	47	57	50	.. 47.5
Bowling Green	Maximum	82	71	67	82	76	76	65	78	70	67	68	67	79	80	78	74	84	85	81	73	55	57	54	67	80	87	86	85	75	.. 74.0
	Minimum	52	44	34	49	54	41	47	46	59	51	43	52	56	56	60	54	54	51	62	61	48	31	30	30	32	44	56	48	57	54	.. 48.8
Dix Dam	Maximum	80	56	60	77	76	72	69	70	68	...	65	65	71	59	62	75	66	80	74	84	71	70	47	48	59	61	73	79	78	80	.. *68.8
	Minimum	52	40	39	46	40	57	42	42	58	...	37	50	47	48	48	57	48	58	60	61	60	34	32	28	28	48	56	50	58	70	.. *47.4
Eubank	Maximum	86	70	67	77	72	72	66	70	67	65	69	65	71	71	71	75	71	79	74	80	64	70	49	50	51	64	74	80	77	81	63	.. 69.0
	Minimum	52	36	38	52	58	38	34	43	55	47	38	51	54	52	56	59	60	75	79	84	81	70	49	48	51	61	74	79	77	78	65	.. 46.9
Frankfort	Maximum	78	73	56	77	75	69	69	65	69	60	62	66	68	73	63	75	76	79	74	80	64	60	54	50	51	66	76	80	78	79	75	.. 68.3
	Minimum	54	43	41	45	55	41	45	42	53	47	38	49	53	45	52	57	50	58	61	62	48	35	35	29	30	51	56	46	53	49	.. 47.4
Franklin	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Glasgow	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Greensburg	Maximum	73	73	64	78	74	73	63	75	71	64	68	65	73	72	78	73	82	83	85	79	69	53	54	54	64	73	82	82	83	67	.. 71.
	Minimum	51	39	34	46	53	36	41	44	55	48	40	42	54	53	56	54	49	56	58	60	48	32	27	27	27	41	56	48	58	56	.. 46.
Irvington	Maximum	77	60	63	78	71	71	60	73	70	63	64	65	71	62	76	77	80	76	81	76	66	50	52	54	60	74	79	77	76	65	.. 68.
	Minimum	55	40	38	45	54	42	47	44	59	47	47	52	57	56	54	56	62	63	66	60	45	32	33	33	34	49	62	49	60	49	.. 49
Junction City	Maximum	79	74	63	71	75	72	65	72	69	64	66	62	70	69	76	77	81	76	84	83	78	52	53	53	64	74	80	80	83	65	.. 71.
	Minimum	54	39	36	44	54	37	41	42	56	46	32	46	55	49	43	54	49	56	59	61	47	30	29	27	26	47	59	43	54	49	.. 45.
Leitchfield	Maximum	78	60	61	77	73	73	64	74	70	68	64	63	75	65	76	71	80	83	81	76	68	50	51	52	62	76	80	80	79	65	.. 69.
	Minimum	52	40	37	46	53	42	48	45	58	49	41	52	57	52	55	55	55	65	65	61	43	31	32	32	32	48	59	50	60	49	.. 48.
Lexington	Maximum	76	50	56	75	67	66	57	66	64	57	62	63	65	55	75	65	77	71	83	71	67	44	47	48	58	71	78	73	78	60	.. 64.
	Minimum	50	38	38	44	52	48	43	40	47	41	36	50	48	45	51	53	53	63	63	61	41	31	33	32	38	50	50	48	54	44	.. 46.
Louisville	Maximum	77	51	57	75	74	70	58	66	67	59	60	64	66	55	77	72	79	80	83	69	64	48	49	52	58	78	79	75	74	63	.. 66.
	Minimum	51	40	40	43	54	48	45	42	51	45	40	53	50	45	55	57	54	63	65	61	41	34	34	33	37	54	58	51	54	48	.. 48.
Do (Cherokee Park)	Maximum	76	69	58	75	75	71	70	66	68	59	61	65	66	55	78	76	80	78	83	81	69	48	48	51	59	72	78	76	74	64	.. 68.
	Minimum	52	40	39	41	54	42	44	41	54	45	37	50	52	45	52	56	51	63	64	59	44	33	33	32	34	51	60	48	57	47	.. 47.
St. John	Maximum	78	47	61	76	74	73	68	73	71	65	64	62	73	62	76	73	80	83	82	78	68	55	50	52	64	76	82	77	79	65	.. 69.
	Minimum	53	42	35	43	53	39	45	42	56	46	38	49	53	50	52	55	57	62	64	58	42	30	29	28	28	48	53	47	55	46	.. 48.
Scott	Maximum	74	57	48	64	70	68	63	49	51	56	58	66	60	58	72	70	76	73	81	75	66	50	44	49	58	70	73	68	65	61	.. 63.
	Minimum	44	37	35	40	54	41	41	38	46	40	34	42	40	50	56	47	60	61	60	63	43	33	33	27	31	48	55	40	50	43	.. 43.
Shelbyville	Maximum	77	62	56	76	72	71	57	66	70	59	61	65	63	56	76	71	80	77	83	76	66	48	50	53	60	74	79	78	76	64	.. 67.
	Minimum	52	39	37	39	53	37	40	39	52	45	34	46	51	44	52	55	45	56	60	60	43	31	32	29	31	48	55	46	61	76	.. 48.
Taylorsville	Maximum	78	64	58	75	72	69	63	68	70	59	61	64	67	58	75	72	79	76	82	77	68	48	45	46	61	76	78	76	74	64	.. 64.
	Minimum	54	42	40	45	55	40	43	43	53	48	40	49	54	47	53	57	54	59	61	61	46	35	34	29	29	49	59	55	58	49	.. 64.
Williamstown	Maximum	75	62	62	66	66	66	61	65	52	57	59	67	61	58	74	70	78	77	82	78	66	46	45	51	60	70	77	71	78	62	.. 44.
	Minimum	49	38	35	39	54	42	39	38	48	40	33	44	47	40	49	55	46	59	59	59	48	32	33	27	33	49	57	44	54	45	.. 44.
Eastern Division.																																	
Ashland	Maximum	79	78	49	69	68	70	70	52	52	56	56	67	70	58	73	72	78	77	85	85	78	66	68	50	61	73	66	68	60	65	.. 66.
	Minimum	51	41	38	43	56	39	39	39	46	41	36	36	48	43	49	56	48	54	59	61	57	40	30	27	29	47	54	39	50	48	.. 44.
Beattyville	Maximum	80	73	63	80	71	73	65	70	69	62	69	66	70	65	75	65	83	79	86	78	72	49	55	57	67	70	82	77	85	67	.. 71.
	Minimum	55	41	39	46	51	39	38	42	54	48	36	43	51	48	50	52	49	54	58	58	47	38	30	29	32	42	59	42	49	51	.. 42.
Berea	Maximum	76	78	62	76	74	71	67	67	58	62	60	62	65	63	64	76	71	79	75	84	82	72	48	48	49	61	73	78	74	82	62	.. 69.
	Minimum	54	40	38	46	53	38	43	41	55	46	36	52	50	50	55	61	53	66	68	63	47	35	32	26	26	47	59	41	58	50	.. 47.
Farmers	Maximum	79	78	62	76	74	71	67	68	62	60	62	65	65	64	76	71	82	78	87	85	74	61	50	...	...	73	70	76	81	66	.. *70
	Minimum	59	40	35	42	54	32	35	38	47	42	30	34	49	42	47	52	42	51	56	58	54	36	27	...	...	53	53	73	77	76	85	65	.. 44.
Hindman	Maximum	78	72	63	79	75	69	68	65	66	64	66	67	65	66	73	72	76	83	85	78	78	63	54	55	58	37	27	27	40	48	41	46	.. 51.
	Minimum	57	42	39	45	54	42	36	42	52	46	31	40	50	51	49	50	51	58	56	54	55	38	37	27	27	46	48	41	72	71	63	.. 44.
Maysville	Maximum	78	61	50	68	71	69	65	54	62	58	59	66	61	57	73	69	80	78	85	78	64	60	61	51	38	34	26	28	50	56	38	49	.. 48.
	Minimum	48	40	34	43	57	39	43	39	46	42	36	46	42	47	55	46	54	60	61	51	38	34	26	28	28	42	46	40	44	43	.. 73.
Middlesboro	Maximum	82	75	70	81	77	68	74	67	63	61	71	67	75	75	76	72	82	83	85	79	75	59	55	52	32	24	24	37	47	48	50	.. 45.
	Minimum	53	41	38	53	56	50	35	46	48	52	32	50	53	53	53	53	51	59	59	55	52	32	24	24	27	47	48	50	61	74	76	74	.. 66.
Mount Sterling	Maximum	76	64	57	77	70	69	58	60	65	58	61	63	65	54	75	66	81	76	85	75	79	47	48	50	61	74	76	74	81	82	66	.. 44.
	Minimum	52	39	35	43	54	38	42	38	50	44	35	45	50	44	50	55	45	57	59	59	44	34	32	25	25	48	54	40	54	48	.. *71
Quicksand	Maximum	80	73	64	81	72	72	71	...	68	60	67	69	69	65	76	67	81	82	87	80	77	54	52	58	64	75	81	80	86	66	.. *85
	Minimum	54	40	40	47	55	43	38	...	54	46	35	48	51	50	49	52	50	54	56	58	54	39	26	28	27	43	52	42	48	52	.. 72
Richmond	Maximum	78	68	62	78	74	70	68	71	71	61	70	62	66	60	77	70	80	70	85	81	73	56	52	55	62	72	76	79	81	67	.. 69.
	Minimum	54	40	39	45	59	43	45	42	56	46	37	50	55	50	50	53	52	60	63	62	61	38	33	29	31	50	58	46	59	53	.. 48.
Sergent	Maximum	86	80	81	80	78	68	68	65	65	65	67	66	66	62	74	72	76	80	87	84	76	62	58	52	62	73	77	76	85	83	.. 72.
	Minimum	54	40	39	45	59	43	45	42	56	46	37	50	55	50	50	53	52	60	63	62	61	38	33	29	29	28	40	42	41	47	52	.. 45.
Williamsburg	Maximum	83	77	75	83	80	72	74	69	69	61	73	66	67	73	76	75	74	92	88	91	78	55	57	56	66	77	92	83	90	69	.. 75.
	Minimum	53	42	40	53	55	41	39	47	53	51	36	51	54	55	58	55	55	55	57	63	58	53	37	34	29	36	39	55	44	55	53	.. 48.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville 4-30-27 1000

551.05
ANAE

THE LIBRARY OF THE
JUL 8 1927
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXII LOUISVILLE, KY., MAY, 1927. NO. 5

GENERAL SUMMARY.

This was one of the most unfavorable months of the name ever known in the climatic history of the State. Rains almost daily, frequently heavy to excessive, kept the soil generally saturated and rendered plowing practically impossible in large areas. Because of the delay due to the two unfavorable months preceding, farmers used their utmost efforts to plow and plant in the brief intervals of fair weather. Even the best drained uplands were worked much too wet. The limited progress made was almost entirely confined to the best drainage and the lighter soils. Partly because of topography and character of soil and partly on account of somewhat lighter rainfall, progress was better in some eastern and south-central sections than in other districts. On a large percentage of farms in the western and north-central counties no corn was planted, and breaking of ground was barely commenced. In some more favored localities east and south, probably half of the crop was planted. At the end of the month the situation with respect to the corn crop was the worst in many years. The cloudiness, repeated drenchings, and spells of low temperature retarded tobacco plants, which reached the size for setting a week to ten days late. Considerable transplanting occurred in the last week, mainly in the eastern and southern counties, where about half of the land to be devoted to this crop had been prepared. The small crops of oats and potatoes made fair progress where they enjoyed good drainage. Wheat also varied in growth and condition with soil and drainage, but it did not make satisfactory progress anywhere. The lower foliage turned yellow, pollenization was affected by rains, and considerable rust appeared in places. In some soils it grew rank, while in super-saturated areas it appeared stunted. Heads were frequently undersized, and there was evidence of injury from the freezes in the preceding month. Alfalfa and clover reached the cutting stage but could not be cured. Pastures became so soft at times as to be injured by the grazing stock. Gardens could not be cultivated or entirely planted, hence the supply of vegetables was unusually short. Rains interfered seriously with picking and marketing of strawberries. Seed bluegrass suffered from lack of sunshine and dry weather while maturing.

TEMPERATURE.

The temperature for the State, 43 stations reporting, averaged 55.7°, which is near normal. Temperatures above normal prevailed in the first decade and in the week following the 18th; but they were much below normal in the periods 11-17th and 26-28th. Maxima were somewhat lower than usual for this month. The extremes were 93° at Bowling Green and Williamsburg on the 21st and 31° at Farmers and Middlesboro on the 17th

PRECIPITATION.

Precipitation for the State, as determined from reports of 82 stations averaged 7.44 inches, which is 3.47 inches above normal and the highest on record for May. In limited areas in the southwestern counties, the northern bluegrass, the southeastern district, and the Big Sandy Valley, amounts ranged between 5.5 and 6.0 inches. Most other districts received from 7.0 to 10 inches, while in the western part of the Purchase, some north-central districts, and in Perry county, from 10 to 12 inches occurred. Rain was reported from some part of the State on every day in the month. It was moderate generally and heavy locally on the periods 4-10th, 13-14th, 18-19th, 24-26th and 28th-31st. Excessive rains in the southeastern mountains on the 26th-31st caused disastrous floods in the Kentucky and other Eastern Kentucky streams. Thunder-storms were prevalent on 15 days and hail in many localities on four days. The extremes for the State were 3.34 inches at Greenup and 12.56 inches at Brandville.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo Ill	29.90	30.18	12	29.48	9	6964	9.4	39	S.	9
Cincinnati ..... Ohio	29.92	30.28	22	29.52	29	6892	8.6	49	nw.	18
Evansville..... Ind.	29.93	30.21	22	29.55	28	7391	9.9	36	S.	9
Lexington ..... Ky.	29.93	30.32	22	29.58	29	10721	14.4	48	se.	24
Louisville ..... Ky.	29.92	30.24	22	29.56	29	8269	11.1	56	w.	7

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	83	68	72	294.1	439.0	67	15	1
Cincinnati ..... Ohio.	79	60	68	250.4	444.0	56	8	4
Evansville..... Ind.	79	61	68	288.1	441.4	64	10	4
Lexington ..... Ky.	82	72	..	185.1	441.4	43	4	7
Louisville..... Ky.	76	58	68	277.8	441.4	63	10	2

COMPARATIVE DATA FOR MAY.

Year	Temperature. Monthly average.	Departure from 45-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 45-year normal.	No. of days with .01in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889	63.6	−2.0	94	28	4.03	+0.08	..	..	..	..	....
1890	63.9	−1.7	93	32	4.22	+0.25	..	..	..	..	....
1891	62.6	−3.0	90	29	1.78	−2.19	..	..	..	..	....
1892	64.6	−1.0	96	36	5.49	+1.52	..	..	..	..	....
1893	63.2	−2.4	96	37	5.59	+1.62	..	..	..	..	....
1894	64.5	−1.1	90	32	3.54	−0.43	..	..	..	..	....
1895	63.9	−1.7	88	29	3.16	−0.81	8	12	10	8	....
1896	72.2	+6.6	106	42	5.74	+1.37	11	14	11	6	....
1897	61.4	−4.2	92	32	3.57	−0.70	10	15	9	7	T
1898	67.6	+2.0	93	31	4.52	+0.25	10	14	11	6	0.2
1899	68.8	+3.2	94	42	4.79	+0.52	11	11	12	8	0
1900	66.3	+0.7	95	29	3.49	−0.48	10	15	8	8	0
1901	62.7	−1.9	97	34	2.65	−1.32	10	12	9	10	0
1902	70.0	+4.4	98	35	6.55	+2.42	9	17	9	5	0
1903	68.0	+2.4	98	29	2.69	−0.98	9	15	10	6	0
1904	65.6	−0.6	98	33	3.05	−0.92	10	14	9	8	0
1905	68.0	+2.4	95	35	5.23	+1.26	11	12	9	10	0
1906	69.5	+3.9	98	33	2.52	−1.43	9	16	7	8	T
1907	61.3	−4.3	93	30	5.57	+1.70	12	12	7	12	0
1908	66.7	+1.1	96	38	4.24	+0.37	12	12	7	12	0
1909	63.9	−1.7	93	27	4.64	+0.67	12	13	7	11	T
1910	61.1	−4.5	89	30	4.81	+0.84	12	13	6	12	0
1911	69.4	+3.8	105	39	2.46	−1.51	5	22	5	4	0
1912	66.7	+1.1	97	37	2.72	−1.25	10	16	6	9	0
1913	66.1	+0.5	93	39	2.92	−1.05	8	14	7	10	0
1914	66.5	+0.9	103	32	2.76	−1.81	5	20	6	5	0
1915	62.2	−3.4	95	35	6.62	+2.65	15	9	8	14	0
1916	65.2	+1.6	98	39	4.92	+0.95	9	14	9	8	0
1917	58.7	−6.7	89	33	3.32	−0.64	10	12	8	11	0
1918	69.4	+3.8	97	38	4.29	+0.32	8	16	7	8	0
1919	63.9	−1.7	95	35	6.05	+2.08	14	9	8	14	0
1920	64.2	−1.4	94	32	4.68	+0.71	11	13	7	11	0
1921	65.9	−0.3	97	32	2.45	−1.52	8	16	8	7	0
1922	67.9	+2.3	94	36	3.87	−0.10	10	14	10	7	0
1923	63.9	−1.7	91	27	3.98	+0.01	13	11	8	12	T
1924	59.9	−5.7	92	31	5.63	+1.67	14	10	9	12	0
1925	61.2	−4.4	95	28	2.64	−1.36	7	16	8	7	T
1926	66.4	+0.6	101	34	4.39	−1.61	7	17	8	6	0
1927	55.7	−0.1	93	31	7.44	+3.47	16	10	1	11	0

Climatological Data for May, 1927.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.			Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	23	67.4	+ 1.1	91	21	40	1	39	6.46	+2.23	1.50	0	11	10	9	12	w.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	45	66.6	0.0	84	21	43	12	28	12.36	+8.12	2.09	0	14	8	7	16	sw.	E. W. Horr.
Calhoun	McLean	437	23	67.0	− 0.1	88	21	42	1	35	7.03	+3.07	1.72	0	15	6	19	6	s.	W. A. Taylor.
Earlington	Hopkins	420	37	68.5	+ 1.3	89	21	41	2†	40	4.63	−0.08	1.28	0	11	19	6	6	sw.	Brick Southworth.
Greenville	Muhlenburg	519	10	66.9	+ 2.2	88	21	40	2	42	5.39	+1.47	1.20	0	15	13	16	2	s.	C. R. Lovell.
Hopkinsville	Christian	524	31	68.4	+ 1.8	91	21	40	12	39	6.56	+2.50	1.96	0	13	12	6	13	se.	W. E. Graves.
Marion	Crittenden	571	29	67.4	+ 0.7	85	21	42	12	27	6.28	+2.02	1.12	0	11	9	8	14	nw.	B. C. Faris.
Mayfield	Graves	364	16	68.5	+ 2.3	87	21	43	12	34	9.30	+5.07	2.50	0	11	6	17	8	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	1	68.9	—	90	20	40	12	40	4.77	.....	1.49	0	11	8	22	1	s.	Harry B. Arnold
Owensboro	Daviess	472	30	64.8	− 0.8	88	21†	43	1†	32	10.75	+7.01	1.53	0	17	9	10	12	s.	Henry S. Berry.
Paducah (near) §	McCracken	341	38	.....	.....	.....	.....	.....	.....	.....	10.95	+6.78	2.00	0	13	14	8	9	sw.	J. W. Lilley
Paducah	McCracken	529	20	66.2	− 0.5	86	21	40	12	22 *	11.05	+7.24	2.25	0	12	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	384	10	.....	.....	.....	.....	.....	.....	.....	6.23	+1.62	1.45	0	13	6	12	13	s.	Dr. W. L. Cash.
Ramsey, Lock 2 ‡	McLean	390	16	a66.0	+ 0.1	90a	21	41a	1	37a	6.02	+2.18	1.60	0	13	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.63	+0.74	1.11	0	12	13a	3a	14a	s.	Wm. Shelton.
Central Division.																			
Anchorage	Jefferson	700	26	a63.8	− 0.3	89a	21	35a	1	33a	7.84	+4.00	0.99	0	18	14a	8a	8a	sw.	C. E. Barret.
Bardstown	Nelson	637	30	66.0	0.0	91	21	38	1†	42	10.39	+6.75	2.00	0	15	5	3	23	sw	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	38	72.9	+ 5.3	93	21	40	1†	42	6.34	+2.09	1.40	0	13	11	17	3	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	2	.....	.....	.....	.....	.....	.....	.....	6.25	.....	1.97	0	14	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6 ‡	Edmonson	410	10	.....	.....	.....	.....	.....	.....	.....	5.95	+0.45	1.04	0	15	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	36	.....	.....	.....	.....	.....	.....	.....	7.30	+3.31	1.79	0	17	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	28	.....	.....	.....	.....	.....	.....	.....	10.67	+6.63	3.90	0	16	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	13	.....	.....	.....	.....	.....	.....	.....	8.62	+4.70	1.22	0	17	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 86	Campbell	489	1	.....	.....	.....	.....	.....	.....	.....	4.94	.....	0.82	0	19	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	3	64.2	.....	87	9	38	1†	28	8.51	.....	1.38	0	19	.....	.....	.....	.....	G. D. Glass.
Eubank	Pulaski	1177	33	64.6	+ 0.6	89	21	34	1	39	7.48	+3.10	1.55	0	16	9	12	10	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	35	66.0	+ 0.8	91	21	40	1†	35	6.38	+2.76	1.14	0	16	9	9	13	s.	Sidney Wood.
Franklin	Simpson	660	32	.....	.....	.....	.....	.....	.....	.....	7.78	+3.38	1.85	0	17	12	16	3	sw.	Jos. H. Blewett.
Gest, Lock 3	Henry	691	32	.....	.....	.....	.....	.....	.....	.....	5.21	+1.96	0.88	0	15	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	789	6	.....	.....	.....	.....	40	2†	.....	7.72	.....	1.91	0	18	.....	.....	.....	.....	Dr. Fidella Edwards.
Grant, Dam 38	Boone	499	16	.....	.....	.....	.....	.....	.....	.....	5.43	.....	1.11	0	17	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	586	2	.....	.....	.....	.....	.....	.....	.....	8.49	+4.20	1.28	0	18	4	5	22	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	581	34	65.4	+ 0.6	90	21	35	2	44	8.40	+4.55	1.40	0	18	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	550	25	.....	.....	.....	.....	.....	.....	.....	11.02	+7.24	1.82	0	17	8	5	18	sw.	W. J. Piggott.
Junction City	Boyle	646	29	65.6	− 0.3	88	21	43	1	30	6.38	+2.76	1.14	0	20	13	13	5	s.	William E. Grubbs.
Lancaster	Garrard	985	33	64.8	+ 0.2	89	21	35	1†	45	11.21	+7.12	1.60	0	18	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	1032	1	.....	.....	.....	.....	.....	.....	.....	9.49	.....	2.36	0	16	5	21	5	sw.	H. H. Willis.
Lexington	Fayette	635	31	66.0	+ 0.9	89	21	41	1	34	10.24	+6.14	1.82	0	20	7	15	9	sw.	U. S. Weather Bureau.
Littlebeckman, Lock 8 §	Jessamine	989	43	63.4	− 0.9	90	21	40	1	25	5.76	+2.24	1.03	0	15	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	523	16	.....	.....	.....	.....	.....	.....	.....	9.18	+5.47	1.80	0	18	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	476	17	.....	.....	.....	.....	.....	.....	.....	5.80	+2.37	0.93	0	21	7	7	17	w.	U. S. Weather Bureau.
Do. (Cherokee Park).	Jefferson	525	54	64.4	− 2.2	89	21	45	1	28	9.58	+5.94	1.55	0	17	11	9	11	s.	Wm. I. Hunt
Do. (Cherokee Park).	Jefferson	534	17	64.7	− 0.4	86	9†	40	1	32	9.87	+6.14	1.46	0	13	.....	.....	.....	.....	O. R. Richardson.
Mammoth Cave	Hart	600	2	.....	.....	.....	.....	.....	.....	.....	6.37	.....	1.03	0	14	16	6	9	.....	Sisters of Loretto.
Munfordville	Hardin	777	31	64.5	+ 0.2	90	21	39	1†	38	8.81	+4.71	1.46	0	16	.....	.....	.....	.....	Ernest M. Searcy.
St. John	Mercer	490	13	.....	.....	.....	.....	.....	.....	.....	7.78	+4.67	1.35	0	20	4	15	12	s.	E. B. Wilson.
Salvisa, Lock 5 ¶	Kenton	900	29	62.8	− 0.6	87	21	35	1	32	5.43	+1.50	1.04	0	14	10	5	11	nw.	Miss Ruth Ratta,
Scott ¶	Shelby	825	38	63.4	− 1.2	88	21	35	1	39	6.73	+2.67	1.18	0	20	7	7	17	sw.	E. D. Bourne.
Shelbyville	Spencer	489	25	64.4	− 0.2	87	9†	37	1	36	8.03	+4.45	1.03	0	12	.....	.....	.....	.....	H. K. Vaughn.
Taylorsville	Anderson	525	9	.....	.....	.....	.....	.....	.....	.....	5.90	+1.66	0.96	0	18	8	16	7	w.	Mrs. E. S. Hunmlong.
Tyrone, Lock 5 ¶	Grant	943	24	63.6	0.0	91	21	38	1	31	10.61	+7.08	4.80	0	14	.....	.....	.....	.....	J. C. Stinson.
Williamstown	Butler	533	10	.....	.....	.....	.....	.....	.....	.....	5.42	+1.98	1.08	0	.....	.....	.....	.....	.....	.....
Woodbury, Lock 4 ‡																				
Eastern Division.																			
Ashland	Boyd	534	10	65.2	+ 1.3	86	30	38	1	37	5.07	+1.12	1.34	0	16	9	6	22	w.	Curtis Purvis.
Beattyville	Lee	650	23	66.0	+ 1.8	91	21	36	1†	47	8.00	+3.83	0.80	0	21	5	9	17	s.	Robert S. Smallwood.
Berea	Madison	1070	25	64.6	− 0.6	88	21	36	1	37	8.24	+4.18	1.68	0	19	2	28	1	sw.	Samuel M. Mayfield.
College Hill, Lock 11	Madison	631	17	.....	.....	.....	.....	.....	.....	.....	7.39	+3.42	0.95	0	18	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	9	.....	.....	.....	.....	.....	.....	.....	7.60	+4.34	1.24	0	17	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	690	38	.....	.....	.....	.....	.....	.....	.....	7.54	+3.87	1.78	0	17	.....	.....	.....	.....	J. V. Oldham.
Garrison	Rowan	668	19	64.0	+ 0.3	91	9	31	17	43	7.70	+3.87	1.75	0	17	8	11	12	s.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	2	.....	.....	.....	.....	.....	.....	.....	7.00	.....	1.40	0	9	11	9	11	e.	C. A. Glascock
Ford, Lock 10 §	Clark	593	11	.....	.....	.....	.....	.....	.....	.....	6.56	+2.57	1.27	0	16	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	580	7	.....	.....	.....	.....	.....	.....	.....	4.41	.....	1.06	0	17	.....	.....	.....	.....	Col. Frank Powers.
Greenup	Greenup	540	7	.....	.....	.....	.....	.....	.....	.....	3.82	.....	0.55	0	19	.....	.....	.....	.....	T. Mitchell.
Hazard	Perry	869	3	.....	.....	.....	.....	.....	.....	.....	10.71	.....	4.51	0	22	.....	.....	.....	.....	Chas O. Ihrig.
Heidelberg, Lock 14	Lee	661	10	.....	.....	.....	.....	.....	.....	.....	6.69	+3.11	0.94	0	17	.....	.....	.....	.....	S. S. Cole.
Hyden	Leslie	1032	2	a64.6	.....	91a	21	34a	2	45a	7.98	.....	3.10	0	18	12a	7a	11a	sw.	Miss Lake Napier.
Jackson	Breathitt	1056	2	.....	.....	.....	.....	.....	.....	.....	8.58	.....	2.10	0	18	.....	.....	.....	.....	R. R Davidson.
Jenkins	Letcher	884	23	.....	.....	.....	.....	.....	.....	.....	5.26	+1.19	1.00	0	11	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	524	20	64.7	+ 0.1	92	21	34	1	37	6.32	+2.37	1.15	0	20	11	6	14	s.	Perry E. Bennett
Maysville	Mason	528	31	65.2	+ 0.7	93	21	31	17	52	5.97	+1.79	2.02	0	14	14	16	1	.....	Matthew Woodson.
Middlesboro	Bell	1128	31	65.2	+ 0.7	93	21	35	17	38	8.35	+4.06	1.21	0	21	10	8	13	w.	W. R. McKee.
Mount Sterling	Montgomery	930	37	63.7	− 0.4	90	21	35	17	38	5.41	.....	1.25	0	17	.....	.....	.....	.....	Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	497	5	.....	.....	.....	.....	.....	.....	.....	4.58	+1.21	0.86	0	18	.....	.....	.....	.....	Robert Repass.
Pikeville	Pike	636	21	.....	.....	.....	.....	.....	.....	.....	7.94	.....	2.53	0	15	.....	.....	.....	.....	F. C. Hall.
Prestonsburg	Floyd	640	2	.....	.....	.....	.....	.....	.....	.....	8.84	.....	1.81	0	17	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breathitt	732	2	65.5	.....	92	21	36	1	43	7.55	.....	1.18	0	14	.....	.....	.....	.....	Walter P. Bush.
Ravenna, Lock 12	Estill	641	8	.....	.....	.....	.....	.....	.....	.....	8.29	+4.71	1.45	0	20	9	2	20	.....	J. W. Crooke
Richmond	Madison	926	36	66.2	+ 0.6	91	9	39	1	35	8.58	.....	3.20	0	17	8	13	10	sw.	R. P. Crawford.
Sergent	Madison	1235	4	64.8	.....	90	21	37	2†	40	7.40	+3.83	1.86	0	21	.....	.....	.....	.....	Thos. Sullivan.
Valley View, Lock 9	Madison	541	14	.....	.....	.....	.....	.....	.....	.....	1.65	+0.76	1.24	0	14	.....	.....	.....	.....	H. M. Fannin.
Vanceburg, Dam 32	Lewis	525	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wayland	Floyd	766	1	.....	.....	.....	.....	.....	.....	.....	8.78	.....	3.90	0	14	.....	.....	.....	.....	G. H. Zimmerman.
Whitesburg	Letcher	1142	2	.....	.....	.....	.....	.....	.....	.....	5.57	+1.46	1.55	0	13	18a	3a	9a	.....	Lawrence R. Uhl.
Williamsburg	Whitley	990	36	68.2	+ 2.4	92	21†	36	2†	17	7.49	.....	1.10	0	12	.....	.....	.....	.....	Shelby Angel.
Willow, Lock 13	Lee	611	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes		.....	.....	65.7	+ 0.1	93‡	21†	31	17	52	7.47	+3.47	4.80	0	16	10	10	11	*.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
§Lone Oak
†Precipitation is less than 0.01 inch rain or melted snow
Also on other dates. †† Received too late to be included in means and summaries
¶Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

May 5. Several barns and considerable timber were destroyed by windstorms in Christian County.

May 27. A hail and windstorm caused damage estimated at $100,000 in Grayson County. Most of the damage was caused by wind in the destruction of barns and timber. Hail lay from two to eight inches deep in Leitchfield 12 hours after the storm.

May 29. Hail and wind caused one death and damage estimated at $50,000 in Pulaski County. About half of the damage was due to destruction of crops by the hail, which also killed chickens and hogs.

May 31. Headwater floods, caused by excessive rains on the night of the 30th

Daily Precipitation for May, 1927.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ‖				.20		.20	.45			1.50				.65					.19				.59		.63			.90	.25		.40	4.46
Blandville		.02	.56		1.93	.38			1.38				2.09				T		1.11			.64	1.52		1.36			1.8		19.1	.20	12.29
Calhoun			.14	.54	.27	.58	.03			1.72	T		.77				T		1.11													
Carlington ‖			T	.50		.30	.80			1.08			.35	T			T	.30	.86				.06	T	1.48	.16			1.7	.25		.20	7.64
Greenville			T	.20	.35	.60	.01			1.25	T			.65					.25				.03	.10	.25				.3	T		.14	3.63
Hopkinsville ‖			T	.30		.80	.55			1.07			.77					.08				.05	.34	.25	.54				.10		.55	5.39
Marion				.45	.80	.05				1.12			.87	.03					.32				T	.20	.07	.60			1.06		.42	.64	6.66
Mayfield				.75	1.00	.40				1.56			.67	T			T	T	.46				.27		T	.44			.65	.20		.61	6.28
Murray ‖				.20		.30	.40			1.50				.95					.60				.30	.25		.70			.30			2.40	9.30
Owensboro ‖			.05	.88		.26	.68	.54	1.20					.78				T	.23	T			.37	T		.41			.41		T	.11	4.77
Paducah (near) ¶				1.05	2.00	.17				2.00			1.55	.30					.18				1.06		.20	.05			.70	.10		.40	10.75
Paducah ‖				.75		2.45	.40			2.25				1.40					.55				.85	.12	.08				1.85	.14		.64	11.05
Ramsey, Lock No. 2 ‖			.03	.87		.24	.48			1.60	.02		1.45	.01	T		T		.30			.05		.24	.20		T	.65	.61	T	.41	6.32
Russellville ‖				.26			.66			.83				.85	.02				.20				.07	.47	.11			1.11	.02		.05	4.03
Central Division																																
Anchorage			T	.42	.14	.14		.99		1.71	.01		.40	.25	.03			.89	.51				.11	.68	.18	.80		.85	.34		.50	7.84
Bardstown ‖				.29		.16	.17	1.28		.40				.85	.05				.65				.16	.92	1.30		1.85	2.00	.68	.12	10.39
Bowling Green ‖				.85		.45	.33			.85	T			1.29				.07	.05				.02	1.0	.12			.80	.25		.55	6.33
Bowling Green, No. 2 ‖				.35		.22	.50			.22			1.1	1.97	.42			T	.05				.02	1.0	.12			.80	.25		.55	6.23
Brownsville, Lock No. 6 ‖				.70		.20	.42			.81	.05			.96	.04				.12				.03	1.04	.21			.87	.43	.04	.82	5.95
Burnside ‖			.11			.26	T	.16		T	.22	.02		.95				T	.04				T	.70	.08	.05			1.22	.90		.52	8.62
Carrollton ‖ (Lock No. 1)				.92		.15		3.50	.70	.63		.07		.71	.06	.03		T	1.31					1.50	.82	.30		1.70	.37	.02	.20	7.30
Centerport			.02	1.00		.20	.50	.70		1.40		.05		.63	.02			T	.47				T	.25	.75	.16		.45	.27	.15	.26	10.67
Cold Spring, Dam 36 ‖				.61		.04	.03	.96	.21	.52		.03	T	.82	.10	.07		.10	.82				T	.70	.08	.05			1.22	.90		.52	8.62
Dix Dam, Burgin						.15	.14	1.37	T	.11		.22		.51	T	T			.65					.20	.48	.05			.18	.66	.23	.63	4.94
Dunbar				.80		.16		.20	.30			.26	.40	.05					.95					.40	1.38	.70		1.71	.36	.75	.65	6.81
Frankfort ‖				1.11		.11	T	.82	T	.12		T		.51	.65	.03			.15	.35				.10	.50	.55		1.57	.76		.25	7.38
Franklin		.32		.28		.74			.56	.16	.02		.87	.03		.26			.16	.91				.25	1.00	.20		.58	.38	.04	.12	6.38
Frost, Lock No. 8 ‖				.46		.12	.08	.54	.14	.23		T			T	.06			.78				.16	.61			1.85	.51		.46	.22	7.78
Glasgow			.10	.10	.29	.15				.41			1.51						.10				.21	.88	.36		.75	.44	.06	.10	5.21
Grant, Dam 38				.62		.03	.01	.36	.92	.28		T		.48	.02	T		.02	1.11					.16	.77	.67		.25	.12	.12	.68	5.49
Greensburg ‖		.10		.46		.35	.40	.14		.35	.01			1.20	.01			.09	.11				T	1.26	.73	.64		1.25	.61	.71	.81	8.49
High Bridge, Lock No. 7 ‖		.63		.46		.16	.13	1.40	.63	.09	.10			.50	.05	.05			.85					.65	.86	.81	.83	1.35			.10	8.40
Irvington			T	.10	.19	.06	T	.64		1.53	T		.53	.19			T	.60	.25			.14	T	.35	.25	.68		1.42	1.82	1.42	.45	11.02
Junction City				1.08	.01	.49	.04	1.18		.24	.20	.02	.39	.40	.05				.89					1.12	.70	1.17	.03	1.56	1.60	.63	1.55	11.21
Lancaster		.02		.36		.08	.22	2.10	.03	.09	.10			.61		.02			.38				.43	1.15	.49		.79	2.36	.61	.22	9.49
Litchfield				.50	.22	1.02		.20		1.10	T		.80	.20			T	T	.70				.16	.83	T		1.20	1.46	.81	.26	8.81
Lexington ***				.11	.35	.07	.01		1.03		.11	.01	T	.92	.14	.08		T	.53	.26			T	.40	.67	.55		.27	.84	.37	.05	.06	5.76
Little Hickman, Lock No. 8 ‖		K	T	.87		.12	.10	1.46		.14	.24	.04		.56	T	T			.57				T	.58	1.45	.44			.74	1.80		.12	9.18
Lockport, Lock No. 2 ‖		K		.32		.16	.02	.54	.08	.24		T	.55	T	.04		.04	.89			.06	T	.43	.53	.42		.49	.45	.02	.14		5.80
Louisville ***		O		.25	.61	.16	.07	.83	.10	.20	.86	.02	T	.49	.35	T		T	.68	.52				.34	.72	1.52		.33	.99	.36	.12	.84	9.58
Do (Cherokee Park)		O	T		.48		.18	.18	1.18		1.20	T		.54	.37	T			.74	.85				.24	.64	.58	1.42		1.46	.25	.16	.46	9.87
Lunsford ‖		G		.20		.20	.55			.27	.20			.60						.05				.40	.83			.90	.02	1.03	.52	6.37
Madison, Lock No. 6 ‖		K		.49		.19	.18	.60		.88				.85	.16			T	.80					.16	.83	T		1.20	1.46	.81	.26	8.81
Mott ‖		L			.48		.18		1.25		.10	.15	.12		.60	.15	.15		T	.90					.45	.42	.85		.82	.92	.14	7.78
Melchyville		L	T	.75	T	.04	T	1.04		.29	.05	.13	.69	.68	.09	.01		.47	.60				.07	.35	.16	.01	T	.15	.07	.01	.03	5.43
Taylorsville		S		.04		.15	.15	1.16		.46		T		.70	.19	.04			1.18					.19	.56	.40		.72	.49			6.79
Tarrone, Lock No. 5		K		.39	.11	.11	.01	.79		.39	.01	T	.33	.27	.01		T	1.02	.03				.15	.06	.97	1.03		.95	.85		.21	8.03
Williamstown ‖		L		.48		.18	.18	1.18		1.20	T		.54	.37	T				.96				.15		.28			.46			.76	5.30
Woodbury, Lock No. 4		G		.40		.13		.30	1.27	.27		.03		.60	.03	.05			.81				.04		.80	.76	.19		.25	.31	4.80	.10	10.64
Eastern Division				.70		.26	.38			1.02		T		.83	.02			.02	.13				.01	1.68	.18			.63	.18		.28	6.42
Ashland ‖		O	.18		.49	.02	.05		.11	.58		.15	.03		.08	.36	.26		.71						.30	.10			.31	1.34			5.67
Barbourville ‖		K	.11		.53		T	.08	.76	.36	.85	.35	.01		.77	.13	.08		.03	.33			.44		.18	.79	.52		.78	.78	.80	.02	8.00
Beech Hill, Lock No. 11 ‖		K		.03	.75		.28	.03	1.40		.06	T		.75	.48	.07		T	.23	.07			T	.04	.38	.62	.31		.83	1.68	.05	.20	8.24
Bethany		L		.72		.05	.05	.50	.30			.60	.05		.65	.10	.05		T	.55			.05	T	.10	.85	.45		.55	.55	.52	T	6.79
Clintonville ‖		L	.02		.76			.65		.25	1.24	.07			.35	.04	.06			.80	T				.20	.62	.30		.44	.42	.99	.05	7.60
Farmers ‖		L			.44		.09		.98	.40	.14		.01		.59	.06	T		.30	.66				.20	1.02	.09		.68	.26	1.78	.12	7.54
Georgetown ‖		L			.75				1.75						.75				.84						.80			.65	T	1.76			7.70
Hazard, Lock No. 10		K	.70							1.35					.45				.20						1.35	.30				1.40			7.06
Jackson		O	T		.64		.05	T	.73	.12	.06	.42	T	T	.34	.20	.08		T	.55			T	T	.14	.27	.86		.45	.70	.11	.04	6.76
Jeffreonar, Dam 30 ‖		O		.08	.03		.28			.47		.03		.03	.20	.06			.21	.28			.39	.03	.64	.81	.11			1.05	1.06			4.41
Lazard		K			.46	T	.21	.38	.97	.15		.50	.03	T	.45	.10	.16	.04	.02	.11			.02		.13	.81	.70		.53	.60	.51	.20	10.74
Middlesboro		K	.06							.25	.05				.55	.10	.16	.04	.02	.11			.02		.13	.81	.70		.53	.60	.51	.20	10.74
Redbird ‖		K		.52			.14	.94	.25		.40				.10		.04	.28		.07				.15	.67	.34		.82	.82	.35	.03	6.99
Williamsburg		K		.15	.24		.08		1.30		.08	.37		.47	.14	.09			.17		.03		.14	.41	.12	.26		.73	1.10	.18	.18	7.08
Wilmore ‖		K		.36				.25	.13	1.16		.66	.34	.10	.16	.18				.36				.18	.36	.16	.40	.10	.56	2.10	.16		7.15
Wolfe ‖		K	.20		.28					1.00														.18	.36	.16	.40	.10	.56	2.10	.16		7.15
Wyoming		O			1.15		.03	T	.35	.80	.11	.03	.02		.14	.17	.03			.80				.03	.44	.15			.68	.56	.10		5.20
Middlesboro		K								.20					.38	.11	.09	.01	.03	.71			.27	T	.14	.68	.58		.02	.19	1.15			6.02
Mount Sterling ‖		L	.10		T	.90	T	.14	T	.81	1.21	.05	.25	.05	T	.40	.14	.17		.03	.91			.04	.08	.25	.54	.43	T	.20	.82	.80	.27	8.85
Peonta Dam 35 ‖		O			.32		.04	T	.36	.31	.24		.11		.62	.15	.10			1.25			T	.07	.23	.63	T		.08	.31	.51	.03	5.41
Pineville ‖		B	.56			.18	.06		.18	.42	.86			.16		.18	.25	.32		.12					.12	.06	.08		.08	.16	.64	.12	4.58
Prestonsburg ‖		B	.21			.15			.65	.24	.71			.34		.20	.37			.38				.87		.16	.80	.41			2.60	.53		7.94
Stevens, Lock No. 12 ‖		B	.29		.46		.63	.08	.72	.79		.45	T		.60		.22			.85				.20		.80	.25		.75	.40	1.81			8.84
Richmond ‖		K				.75		T	T	1.12	.28		.25	T		.58	.12	T	T	.47			T	T	.15	1.18	.46		.64	.66	.25			6.55
Rockcastle		K	.05		.08		.06	.02	.95	.23	.10	.50			.65	.02	T		T	.55			.01	.01	.20	1.50	.51		.70	1.45	.28	.02		8.29
Valley View, Lock No. 9		K	.04		.50		.07	.07	.89	.34	.09	.30	.13		.43	.13		.02	.13					.20		.38	.20		.53	.41	3.20	1.12		8.98
Vanceburg, Dam No. 32		O				.70		.02		.32	.48		.10		.17	.12	.05	.08		.63				.08	.12	1.86	.40		.61	.73	.12	.07		7.40
Wayland		B																						.08			.60	.18			6.51	1.24		4.25
Whitesburg		K				.30				.21	.96	.66					.04	T	.60														
Williamsburg		C	.17			.29		.28	.64	.96			.43						.48	.09				.29	.30	.06	.28		.60	.43	.90	.67	8.78
Willow, Lock No. 13		K				.55			.10	.52	.20		.28		.76					.42				.50	.88	.20		1.55	.64			5.66
																																7.49

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

used enormous damage in about 14 of the southeastern mountain counties. The latest losses occurred along the upper Kentucky River and its tributaries in Letcher, ry and Breathitt counties. The drowned and missing were estimated at 89 persons; homeless at ten to fifteen thousand; idle because of the washout 20,000, and total ss at seven to ten millions of dollars. In Perry County about 500 homes were shed away, and in Floyd about 100. Losses at Hazard alone, which was in the area of greatest rainfall, were placed above $1,000,000. The losses of the L. & N. Railroad in the devastated area were estimated at $1,500,000.

Rivers.—In the upper and middle sections the Ohio River remained moderately high, while in its lower course it was only a few feet below flood stage during the month. It was above flood stage at Cairo until the 5th. The Kentucky River reached a crest of 37.6 feet at Hazard and 34.8 feet at Beattyville on the 31st. Except in the flooding of lowlands, there was no damage of consequence below Beattyville

Daily Temperatures for May, 1927.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	71	80	82	74	75	66	80	87	87	80	72	68	76	70	64	68	75	80	80	85	91	80	86	85	83	80	69	85	86	87	77	78.4
	Minimum	40	41	57	54	47	50	57	63	73	60	49	45	46	51	46	45	43	61	61	58	65	70	67	69	63	62	50	54	65	73	66	56.4
	Maximum	62	77	68	74	66	64	77	83	81	75	62	67	74	70	64	68	71	80	76	82	84	76	79	84	80	79	77	83	83	79	81	75.7
Brandville	Minimum	45	39	50	54	50	52	59	70	64	60	53	43	56	54	51	46	51	66	61	63	67	68	66	66	63	57	55	62	67	57	58.5
	Maximum	75	79	70	74	72	64	76	84	85	82	75	69	73	68	62	69	69	80	80	87	88	85	84	84	80	78	74	84	82	80	74	77.4
Calhoun	Minimum	52	49	58	58	50	51	58	63	70	59	48	45	49	53	48	45	46	62	60	56	66	70	67	65	62	62	48	54	62	70	64	56.6
	Maximum	71	81	82	75	76	66	80	86	86	82	75	69	75	73	69	70	73	82	82	87	89	80	85	85	85	82	78	86	84	82	81	78.8
Earlington	Minimum	56	41	58	60	47	51	60	71	73	60	51	47	49	55	50	45	49	64	62	58	64	72	68	68	64	62	52	52	66	74	67	58.4
	Maximum	72	82	80	72	78	66	80	86	86	82	75	69	75	73	69	70	73	82	82	87	89	80	85	85	85	82	78	86	84	82	81	78.8
Greenville	Minimum	42	40	55	54	46	54	55	67	73	58	48	41	46	56	46	41	42	62	60	56	62	69	64	64	67	59	50	53	63	72	65	55.6
	Maximum	73	81	80	75	76	68	80	87	88	80	72	71	77	71	65	68	74	84	84	88	91	82	86	89	86	84	76	85	84	85	84	79.4
Hopkinsville	Minimum	41	42	57	56	48	57	58	66	69	59	50	40	50	57	51	48	48	61	60	58	65	69	65	68	66	65	57	54	69	73	67	57.4
	Maximum	70	77	78	72	70	65	77	84	83	80	69	69	71	67	61	68	76	80	78	84	85	81	80	82	80	78	76	83	83	80	75	76.0
Marion	Minimum	44	42	55	54	53	52	60	69	71	60	49	42	52	51	50	45	52	63	61	57	69	69	67	65	63	63	55	70	73	69	65	58.3
	Maximum	71	79	79	76	70	69	79	84	84	82	75	70	75	73	75	69	72	82	82	84	87	84	80	84	84	82	80	84	85	84	81	78.1
Mayfield	Minimum	45	45	59	55	53	56	58	69	71	59	46	43	56	51	50	45	51	66	66	60	66	69	66	69	67	68	63	66	68	66	68	61.8
	Maximum	71	81	82	75	74	71	85	88	89	83	72	71	76	72	66	70	76	81	81	90	90	84	85	87	84	82	82	86	84	84	82	80.4
Murray	Minimum	42	41	57	55	50	58	55	68	71	58	52	40	52	52	48	44	44	63	62	60	62	69	66	70	62	56	52	59	69	71	69	57.4
	Maximum	69	75	78	71	71	64	77	85	83	79	71	67	72	68	59	65	70	78	78	82	85	80	84	88	84	83	78	84	86	83	77	74.5
Owensboro	Minimum	43	43	56	51	49	52	56	56	54	56	46	44	49	50	47	44	44	58	60	54	64	69	64	63	63	60	50	52	63	68	65	54.9
	Maximum	79	84	75	70	70	65	77	84	85	80	69	72	77	71	67	70	76	84	78	86	88	78	84	86	83	80	78	84	86	81	82	79.1
Paducah (near)	Minimum	43	46	45	55	53	55	59	70	72	59	51	42	54	52	51	45	51	65	66	58	65	70	67	66	63	63	57	58	68	68	66	58.3
	Maximum	66	74	70	72	67	67	75	83	84	74	64	67	75	64	62	64	70	82	78	85	86	78	83	79	77	76	73	83	83	80	80	75.0
Princeton	Minimum	44	42	57	55	48	52	59	67	70	64	50	40	51	50	49	45	44	64	60	62	63	71	65	66	64	60	53	55	69	70	65	57.6
	Maximum	68	79	81	73	74	66	77	...	85	79	66	67	75	67	62	65	73	81	78	88	90	79	85	86	82	79	74	84	83	86	84	76.5
Russellville§§	Minimum	41	42	55	57	48	53	59	60	...	60	50	42	45	53	49	43	46	63	61	61	63	68	66	67	62	60	51	54	57	74	69	56.5
Central Division.																																	
Anchorage	Maximum	72	77	79	69	73	71	78	80	87	79	68	59	70	65	49	64	73	77	77	79	89	...	80	80	80	73	69	77	86	82	74	74.4
	Minimum	35	39	52	52	46	55	56	58	71	58	47	47	42	48	45	44	39	57	56	60	62	...	63	61	62	56	46	52	62	68	62	53.3
Bardstown	Maximum	68	80	78	73	78	71	81	86	90	81	70	61	75	61	54	65	75	77	78	84	91	85	84	80	81	78	71	83	88	86	77	77.7
	Minimum	38	38	53	50	46	57	56	58	59	56	50	46	43	50	43	45	39	60	61	54	64	70	68	61	64	60	48	53	64	72	66	55.6
Bowling Green	Maximum	75	82	83	79	80	67	82	87	90	83	72	70	77	70	67	65	65	86	81	91	93	84	86	86	86	82	76	86	92	91	84	80.5
	Minimum	46	49	51	55	48	56	57	63	70	58	50	48	44	51	42	46	48	58	60	59	63	67	63	61	61	48	53	54	72	66	63	55.9
Dix Dam	Maximum	69	75	76	72	78	71	80	80	80	87	78	55	57	70	65	54	62	72	76	79	81	83	85	75	80	77	71	63	77	86	84	76.3
	Minimum	34	38	50	44	46	56	58	58	61	60	51	44	41	52	45	43	37	55	60	59	64	67	67	62	59	45	50	57	66	70	64	53.4
Eubank	Maximum	66	75	78	74	78	75	79	81	88	79	70	69	69	66	63	62	69	79	80	87	89	84	84	87	84	80	77	78	76	66	70	64.5
	Minimum	34	36	50	44	46	56	58	51	61	60	51	44	41	52	45	43	37	55	60	59	64	67	67	62	61	46	45	51	60	70	64	53.3
Frankfort	Maximum	64	75	76	75	76	73	79	78	83	86	79	59	73	66	62	64	74	77	80	79	91	87	80	85	78	77	69	75	86	86	81	76.1
	Minimum	40	40	50	50	48	58	61	60	64	61	50	47	44	54	46	45	40	60	61	54	61	68	68	62	63	59	47	53	64	71	64	56.2
Franklin	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Glasgow	Maximum	71	80	84	78	80	69	78	84	87	82	70	60	73	68	63	63	69	74	74	80	86	83	82	81	81	78	74	80	88	88	77	77.4
	Minimum	41	40	44	58	50	49	58	61	72	59	40	44	41	40	44	49	43	61	63	63	69	74	65	59	61	59	54	54	60	69	67	55.2
Greensburg	Maximum	69	76	81	75	78	67	81	85	89	84	73	62	74	68	63	62	73	81	81	87	90	86	83	82	81	77	73	83	88	88	77	77.1
	Minimum	37	35	45	58	46	55	56	59	69	58	49	44	39	51	44	43	37	52	60	58	61	66	64	60	60	56	46	51	58	64	64	55.2
Irvington	Maximum	66	75	77	69	74	68	78	84	85	80	67	61	71	67	66	64	71	77	76	82	88	80	82	82	78	78	66	81	85	84	75	75.4
	Minimum	43	45	59	57	50	57	60	60	60	59	49	47	47	53	47	47	44	60	63	56	66	72	64	65	63	62	49	52	60	69	64	56.4
Junction City	Maximum	68	80	78	74	78	71	81	79	88	85	71	59	70	66	62	64	71	78	78	85	89	81	83	83	80	78	75	79	89	84	79	77.8
	Minimum	38	35	46	48	46	56	58	59	70	59	48	44	39	51	45	43	37	55	54	64	66	68	66	63	61	56	44	50	59	72	64	55.4
Leitchfield	Maximum	67	77	81	71	76	68	74	83	85	80	70	63	69	66	57	66	74	76	78	85	89	80	83	83	80	74	68	81	84	85	80	76.9
	Minimum	41	43	54	59	48	55	59	61	71	59	49	46	46	53	46	45	46	61	61	56	65	72	64	63	63	62	49	53	60	68	64	56.3
Lexington	Maximum	61	72	73	69	75	73	78	76	87	78	55	53	68	62	49	60	69	74	76	78	90	84	75	78	75	68	61	76	84	83	72	73.9
	Minimum	40	51	59	58	54	57	58	58	70	65	45	44	46	45	42	43	48	58	57	56	65	70	62	59	59	50	46	51	63	66	62	54.6
Louisville	Maximum	65	78	76	70	72	69	78	85	88	78	64	59	67	64	52	63	71	76	78	82	88	82	80	80	78	70	61	78	86	86	80	76.9
	Minimum	45	47	61	58	54	58	58	58	65	54	47	46	49	49	45	46	46	61	57	54	67	72	63	62	58	54	49	52	62	68	62	58.3
Do (Cherokee Park)	Maximum	63	74	75	74	71	69	76	81	86	81	76	57	67	64	62	62	70	76	75	77	85	84	80	80	78	76	68	76	83	81	76	75.1
	Minimum	40	42	55	56	49	56	57	58	71	59	48	46	46	53	46	44	42	57	60	52	61	68	68	63	62	58	46	52	61	67	64	56.2
St. John	Maximum	67	77	79	73	75	68	79	84	86	80	70	63	69	66	57	66	74	77	77	79	89	80	82	82	80	76	64	80	84	83	77	76.5
	Minimum	39	39	51	56	45	54	57	57	70	57	47	44	41	47	42	41	39	57	60	54	63	68	63	61	59	50	46	51	63	66	62	54.4
Scott	Maximum	64	72	73	69	72	70	74	79	86	80	70	63	69	66	57	66	74	77	77	79	89	80	82	82	80	76	64	81	87	86	79	75.9
	Minimum	35	42	51	55	49	56	56	57	67	60	46	42	44	51	44	43	38	55	59	56	63	68	67	63	63	61	56	45	51	57	57	55.2
Shelbyville	Maximum	65	76	76	71	75	72	78	79	87	79	69	59	69	65	54	64	73	77	78	79	88	84	80	81	78	71	64	77	86	85	78	74.9
	Minimum	35	37	47	50	48	51	54	58	63	58	48	43	40	50	44	42	36	55	59	49	61	66	61	58	57	48	53	53	63	71	64	54.0
Taylorsville	Maximum	63	75	74	71	73	71	78	80	87	79	71	60	71	65	54	60	73	77	79	80	87	84	80	81	79	70	71	65	79	79	75	74.0
	Minimum	37	39	50	50	48	55	57	59	68	57	50	43	43	53	46	45	40	56	55	61	62	62	72	65	64	63	57	48	53	63	71	64.0
Williamstown	Maximum	65	74	75	72	73	70	78	78	85	79	71	58	70	63	56	61	71	77	74	75	91	85	80	80	76	73	64	74	84	83	76	73.6
	Minimum	38	44	58	52	48	56	56	58	61	59	47	43	41	51	44	42	40	58	59	59	60	67	67	61	61	57	42	51	61	65	61	55.0
Eastern Division.																																	
Ashland	Maximum	66	77	77	74	74	73	77	76	82	82	82	57	67	67	63	68	70	78	81	80	80	83	82	81	81	78	68	78	81	86	85	77.0
	Minimum	38	40	51	58	48	59	59	58	59	70	55	47	47	54	46	45	39	55	61	56	62	64	62	64	61	58	50	55	59	65	66	55.2
Beattyville	Maximum	74	83	80	78	78	76	80	82	88	85	75	68	72	68	65	64	76	82	85	85	91	87	85	87	87	82	78	78	89	89	84	81.0
	Minimum	36	36	48	56	45	56	59	58	60	63	49	46	41	52	46	43	36	57	62	59	58	63	64	61	61	57	46	51	59	67	66	54.3
Berea	Maximum	64	74	75	71	78	73	76	77	87	79	66	55	69	65	58	60	71	77	81	83	88	83	82	84	80	78	72	81	88	88	83	76.2
	Minimum	36	37	52	57	46	56	58	58	72	61	48	45	46	52	45	42	38	60	60	59	64	70	68	62	61	58	44	51	60	65	63	56.4
Farmers	Maximum	68	76	76	74	78	78	83	72	91	87	86	63	71	68	63	68	71	76	80	79	90	86	81	84	78	77	69	77	85	85	81	77.4
	Minimum	32	38	47	55	42	53	52	57	56	63	50	45	38	51	45	42	31	60	57	55	61	62	56	60	56	52	49	57	60	62	60	52.6
Hindman	Maximum	68	79	82	75	81	78	80	80	88	81	70	54	69	65	60	56	71	80	87	88	91	89	76	84	80	76	69	...	88	88	80	79.2
	Minimum	36	39	44	56	45	52	60	56	58	63	53	47	42	51	43	42	36	57	58	56	62	66	63	61	61	60	55	56	68	76	86	55.9
Maysville	Maximum	66	74	77	75	75	74	79	79	89	88	70	54	69	66	55	61	71	77	80	82	86	82	78	82	80	78	73	78	82	86	79	77.2
	Minimum	34	37	55	58	46	55	56	61	63	59	46	43	51	46	43	41	36	59	61	59	59	72	63	58	62	59	48	54	60	63	64	55.3
Middlesboro	Maximum	74	78	79	80	84	78	82	78	90	81	77	67	78	71	68	69	83	86	90	88	93	88	82	85	79	81	82	85	79	79	83	79.6
	Minimum	37	39	41	56	43	51	53	54	56	61	50	45	37	49	40	41	31	55	66	54	53	61	67	58	59	52	50	44	57	58	58	52.1
Mount Sterling	Maximum	65	77	77	76	77	76	79	72	89	90	81	56	72	66	56	62	73	78	81	81	90	88	82	85	79	74	64	74	86	87	75	75.2
	Minimum	38	37	51	58	45	56	56	56	56	58	46	43	41	44	43	42	35	57	59	55	59	64	62	61	61	55	42	51	61	62	62	52.2
Quicksand	Maximum	70	80	80	77	81	78	87	77	90	82	71	58	71	68	62	62	72	80	85	84	92	87	76	85	80	79	72	79	84	83	80	77.3
	Minimum	36	37	45	58	45	54	58	58	58	56	42	41	42	42	40	43	37	56	58	59	58	61	63	61	63	58	45	51	62	65	63	54.8
Richmond	Maximum	69	78	77	75	77	73	82	78	91	82	75	61	73	65	55	61	71	78	80	84	88	85	76	78	76	76	67	79	86	88	79	78.0
	Minimum	37	43	57	58	53	56	62	59	70	75	49	46	45	52	46	43	42	60	60	58	64	68	68	64	62	58	45	51	62	65	63	56.4
Sorrell	Maximum	65	77	80	71	81	77	80	78	88	83	70	57	70	68	60	66	70	78	85	87	92	92	89	92	89	90	89	90	90	90	90	83.0
	Minimum	38	37	46	55	47	52	60	58	57	54	55	47	44	55	47	45	42	56	66	76	76	89	90	92	56	89	92	89	78	80	80	67.4
Williamsburg	Maximum	71	80	83	77	81	75	84	84	91	79	82	61	74	70	66	66	76	80	86	86	86	85	82	86	86	60	61	57	82	82	60	68.2
	Minimum	38	36	45	58	46	54	57	60	66	60	53	46	42	51	49	43	36	56	65	58	62	66	66	60	61	57	52	52	60	68	62	54.8

§§ Instruments are read in the morning so the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

... etc. indicate respectively 1, 2, 3 etc. days missing from record.

W. B. O. Louisville 6-29-27 1000

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXII LOUISVILLE, KY., JUNE, 1927. No. 6

GENERAL SUMMARY.

The weather during the first three weeks was cool, cloudy, showery and generally unfavorable. In the intervals of sunshine, usually two to three days in length, plowing and corn planting were pushed with soil too wet and progress in the northern counties confined to the best drained uplands. By the middle of the month planting was practically finished in the southern and eastern counties, where the character of soil and favorable drainage had permitted better progress. It remained far behind in the northern districts, where farmers continued to plant until the end of the month but failed to get out the normal acreage. In these districts most of the crop was planted during the last two weeks, which was the first period in which lowlands and the close soils of that section could be worked. Many farmers resorted to the use of quick maturing varieties in order to overcome the handicap of the extremely late planting. Tobacco setting proceeded as the land could be prepared, and was finished later than usual. The delay was greatest in the northern counties, where transplanting could not be completed until late in the month. The moderate temperatures and showers resulted in a good stand. Early corn and tobacco became very weedy because cultivation had to be neglected in order to finish planting corn, make clover and alfalfa hay, and harvest barley and wheat. In this respect conditions were somewhat better in the southern counties, where planting had not been so seriously delayed. Wheat developed irregularly, its progress and condition depending largely on drainage and character of soil. Heads did not completely fill and rust caused much injury. Harvest commenced near the middle of the month, almost coincident with the advent of better weather. A few hot days near the end of the month cured the shocks, and threshing began at once. Yields were generally disappointing. Stripping of blue grass seed proceeded in fairly good order in the intervals of sunshine. Heads were lighter than usual. Alfalfa and clover deteriorated in the field and became woody before harvest was possible. Gardens and truck improved, but continued rather poor with fields of vegetables exceptionally light. Favorable conditions in the cotton district during the last two weeks caused steady improvement in that crop.

TEMPERATURE.

The temperature for the State, 43 stations reporting, averaged 70.4°, which is 3.5° below normal. Only five Junes in the last 38 years have been cooler than this. Except in two short periods of two days each, daily temperatures averaged below normal, due largely to cloudiness and rain that lowered the maxima. The extremes were 98° on the 30th at Hopkinsville, Murray, and St. John, and 42° on the 16th at Bowling Green.

PRECIPITATION.

Precipitation for the State, as determined from reports of 80 stations, averaged 4.13 inches, which is nearly normal. In the southwestern counties, and in areas limited to a few counties in the north-central, northeastern, and southeastern parts of the state, amounts ranged between 5.0 and 7.0 inches. Other districts received from 2.0 to 4.0 inches. The extremes for the state were 2.01 inches at Munfordville and 7.53 inches at Frankfort. Except on four or five days, showers occurred daily from the 1st to 26th, inclusive. They were moderate in most districts and heavy locally in the periods 3d-4th, 14-15th, 17-19th, 21st-22d, and 26th. Thunderstorms were frequent and often severe, but not usually destructive.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure (In inches reduced to sea level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.98	30.26	6	29.54	21	5484	7.6	36	n.	12
Cincinnati ..... Ohio	30.02	30.35	6	29.62	21	4498	6.2	27	sw.	4
Evansville ..... Ind.	30.02	30.30	6	29.60	21	5556	7.7	40	nw.	12
Lexington ..... Ky.	30.02	30.32	6	29.72	4	8033	11.2	40	sw.	21
Louisville ..... Ky.	30.02	30.35	6	29.62	21	6701	9.3	40	w.	4

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	86	71	70	287.8	440.1	65	16	5
Cincinnati ..... Ohio.	77	58	66	326.6	446.0	73	17	1
Evansville ..... Ind.	80	63	64	296.2	443.0	67	16	4
Lexington ..... Ky.	82	..	72	224.8	443.0	51	8	8
Louisville ..... Ky.	78	58	65	321.1	443.0	72	16	2

THE LIBRARY OF THE
Stations
AUG 11 1927
UNIVERSITY OF ILLINOIS

COMPARATIVE DATA FOR JUNE.

Year.	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	70.6	— 3.3	99	38	5.27	+1.18	..	..	..	..	..
1890...	78.4	+ 4.5	101	51	4.96	— 0.87	..	..	..	..	..
1891...	77.1	+ 3.2	97	51	4.48	+0.39	..	..	..	..	..
1892...	75.8	+ 1.9	101	48	4.23	+0.14	..	..	..	..	..
1893...	73.3	— 0.6	97	46	4.64	+0.55	..	..	..	..	..
1894...	75.6	+ 1.7	102	35	2.69	—1.40	..	..	..	..	..
1895...	75.9	+ 2.0	104	47	3.63	—0.46	..	15	10	5	0
1896...	73.5	— 0.4	98	46	4.64	+0.55	10	11	12	7	0
1897...	73.4	— 0.5	101	41	3.61	—0.48	9	14	12	4	0
1898...	76.2	+ 2.3	101	45	3.90	—0.19	9	15	12	3	0
1899...	76.1	+ 2.2	100	44	2.80	—1.29	8	15	10	5	0
1900...	73.9	0.0	100	40	6.14	+2.05	14	8	12	10	0
1901...	75.6	+ 1.7	104	42	3.97	—0.12	9	15	9	6	0
1902...	73.4	— 0.5	101	39	4.75	+0.66	11	13	9	8	0
1903...	68.6	— 5.3	96	37	3.61	—0.48	10	14	8	8	0
1904...	73.2	— 0.7	99	48	3.14	—0.95	11	14	10	6	0
1905...	74.8	+ 0.9	106	45	4.49	+0.40	10	16	6	8	0
1906...	73.9	0.0	99	42	4.53	+0.44	11	14	8	8	0
1907...	70.2	— 3.7	95	41	4.91	+0.82	11	12	9	9	0
1908...	73.4	— 0.5	102	43	4.36	+0.27	7	17	8	5	0
1909...	74.5	+ 0.6	99	43	5.03	+0.94	11	10	11	9	0
1910...	70.0	— 3.9	99	36	5.20	+1.11	10	15	8	7	0
1911...	75.2	+ 1.3	106	45	4.06	—0.03	10	17	7	7	0
1912...	70.2	— 3.7	95	38	3.48	—0.61	10	13	8	9	0
1913...	75.0	+ 1.1	107	38	2.87	—1.22	7	19	8	5	0
1914...	78.3	+ 4.4	108	45	2.30	—1.79	5	18	8	4	0
1915...	71.7	— 2.2	95	42	4.79	+0.70	12	12	10	8	0
1916.	70.1	— 3.8	99	45	4.44	+0.85	11	13	10	7	0
1917...	70.9	— 3.0	100	39	4.30	+0.21	10	15	9	6	0
1918...	73.6	— 0.3	104	37	3.63	—0.46	8	16	8	6	0
1919...	76.7	+ 2.8	103	51	4.00	—0.09	10	14	10	6	0
1920...	71.9	— 2.0	100	44	3.12	—0.97	7	17	6	7	0
1921...	77.8	+ 3.9	100	46	2.90	—1.19	8	14	11	5	0
1922	75.4	+ 1.5	100	44	3.10	—0.99	9	14	10	6	0
1923...	73.8	— 0.1	96	42	4.50	+0.50	9	16	8	6	0
1924...	74.2	+ 0.3	99	42	4.39	+0.30	12	13	10	7	0
1925...	77.0	+ 3.1	105	48	3.90	—0.19	7	16	8	6	0
1926...	70.9	— 3.0	98	42	3.45	—0.64	8	15	9	6	0
1927.	70.4	— 3.5	98	42	4.13	+0.04	11	14	8	8	0

Climatological Data for June, 1927.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	23	72.8	— 1.9	96	30	46	7	36	4.79	+1.62	1.70	0	11	21	3	6	w.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	45	71.2	— 3.8	92	30	49	7	27	5.92	+1.56	2.23	0	11	12	8	10	sw.	E. W. Horr.
Calhoun	McLean	437	23	72.0	— 3.4	96	29†	47	7	32	3.79	+0.20	1.08	0	13	20	3	7	sw.	Brick Southworth.
Carlington	Hopkins	420	37	72.9	— 2.8	96	30	45	7	36[b]	2.73	−1.28	0.71	0	10	17[b]	11[b]	6[b]	s.	C. R. Lovell.
Greenville	Muhlenburg	510	10	71.7	— 3.2	96[b]	30	45[b]	7	36[b]	5.01	+0.73	1.63	0	13	13	2	15	se.	W. E. Graves.
Hopkinsville	Christian	524	31	72.9	— 2.6	98	30	46	7	35	5.01	+0.73	1.63	0	13	11	12	7	nw.	B. C. Paris.
Marion	Crittenden	571	29	72.2	— 2.8	94	30	49	7	31	4.77	+1.19	1.38	0	9	12	13	5	ne.	Mrs. C. R. Sowell.
Mayfield	Graves	364	18	72.6	— 2.1	95	30	49	7	29	5.24	+2.39	1.20	0	10	13	10	7	s.	Harry B. Arnold
Murray	Calloway	412	1	73.2	.....	98	30	48	7	36	3.27	−0.48	0.88	0	11	16	3	11	s.	Henry S. Berry.
Owensboro	Daviess	479	30	70.0	— 4.3	96	30	47	7	31	4.69	+0.81	0.95	0	11	20	3	7	sw.	J. W. Lilley
Paducah (near)§	McCracken	516	10	73.6	— 3.4	98	30	49	7	34	4.69	+0.81	0.95	0	11	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	38	.....	.....	.....	.....	.....	.....	.....	4.37	−0.15	1.20	0	10	.....	.....	.....	.....	Dr. W. L. Cash.
Princeton	Caldwell	529	20	70.8	— 4.9	96	30	47	7	31	5.51	+1.94	1.78	0	13	12	11	7	s.	Thos. L. Wetzell.
Ramsey, Lock 2‡	McLean	384	10	.....	.....	.....	.....	.....	.....	.....	3.68	−0.11	1.25	0	11	.....	.....	.....	.....	Wm. Shelton.
Russellville	Logan	590	16	71.4	— 3.5	96	30	51	7†	33	5.67	+2.72	1.12	0	11	14	3	13	s.	
Central Division.																				
Anchorage	Jefferson	700	26	68.6	— 3.3	95	30	45	7	37	5.40	+1.77	1.16	0	11	14	6	10	se.	C. E. Barret.
Bardstown	Nelson	637	30	70.6	— 3.9	97	30	49	7	37	5.68	+1.59	2.75	0	9	16	0	14	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	38	72.8	— 3.0	97	29†	42	16	35	4.73	+1.01	1.71	0	9	15	11	4	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	2	.....	.....	.....	.....	.....	.....	.....	3.92	.....	0.97	0	15	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	10	.....	.....	.....	.....	.....	.....	.....	2.98	−0.92	0.70	0	11	.....	.....	.....	.....	Virgil M. Wilmin.
Burnside	Pulaski	422	28	.....	.....	.....	.....	.....	.....	.....	3.04	−1.08	0.87	0	10	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	13	.....	.....	.....	.....	.....	.....	.....	3.69	+0.16	1.69	0	10	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	28	.....	.....	.....	.....	.....	.....	.....	3.31	−0.77	0.92	0	10	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	1	.....	.....	.....	.....	.....	.....	.....	4.50	.....	1.23	0	10	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	3	69.0	.....	93	30	48	7	28	3.50	.....	1.03	0	12	16	5	9	.....	G. D. Glass.
Eubank	Pulaski	1177	33	69.1	— 2.3	93[c]	30	48	8	31[c]	3.01	−1.07	0.64	0	9	7	17	6	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	35	70.6	— 3.0	94	30	50	b	34	7.53	+3.36	4.52	0	10	15	1	14	s.	Sidney Wood.
Franklin	Simpson	691	32	75.2	0.0	93	30	58	6†	22	2.58	−0.77	0.86	0	8	19	8	3	s.	M. E. Johnson.
Gest, Lock 8	Henry	449	16	.....	.....	.....	.....	.....	.....	.....	5.25	+1.22	1.46	0	13	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	760	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Fidella Edwards.
Grant, Dam 38	Boone	506	2	.....	.....	.....	.....	.....	.....	.....	4.30	.....	1.60	0	9	.....	.....	.....	.....	Bert Floes.
Greensburg	Green	681	34	69.8	— 3.5	95	30	46	16	39	3.77	−0.68	1.11	0	12	4	4	22	e.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	25	.....	.....	.....	.....	.....	.....	.....	3.17	−0.75	0.70	0	11	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	29	70.4	— 3.5	95	30	48	7	30	3.45	−0.40	1.08	0	12	17	1	12	sw.	W. J. Piggott.
Junction City	Boyle	985	33	69.2	— 2.9	96	30	46	6†	42	3.52	−0.19	1.35	0	16	20	6	4	s.	William E. Grubbs.
Lancaster	Garrard	1032	1	.....	.....	.....	.....	.....	.....	.....	3.17	.....	0.99	0	11	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	635	31	70.9	— 2.3	95	30	47	7	34	2.87	−0.76	0.42	0	9	9	15	6	s.	H. H. Willis.
Lexington	Fayette	989	43	68.8	— 3.4	92	30	50	6	28	2.14	−1.85	0.60	0	10	13	8	9	se.	U. S. Weather Bureau.
Little Beckman, Lock 8§	Jessamine	523	16	.....	.....	.....	.....	.....	.....	.....	2.93	−1.24	0.68	0	12	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	17	.....	.....	.....	.....	.....	.....	.....	4.48	−0.06	1.36	0	12	.....	.....	.....	.....	Andrew J. Keenan.
LOUISVILLE	Jefferson	625	54	69.6	— 5.1	93	30	51	7	28	4.60	−0.23	1.51	0	13	8	12	10	ne.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	584	17	68.6	— 4.4	88	30	48	7	29	3.63	−0.13	0.64	0	13	11	10	9	.....	Wm. I. Hunt.
Manfordville	Hart	600	2	.....	.....	.....	.....	.....	.....	.....	2.01	.....	0.70	0	6	.....	.....	.....	.....	C. R. Richardson.
St. John	Hardin	777	31	69.0	— 3.7	98	30	44	7	32	3.06	−0.95	0.50	0	13	18	3	9	.....	Sisters of Loretto.
Smiysa, Lock 6¶	Mercer	490	13	.....	.....	.....	.....	.....	.....	.....	4.01	−0.55	0.75	0	9	7	.....	.....	s.	Ernest M. Searcy.
Scott¶	Kenton	900	29	66.0	— 5.7	91	30	43[b]	6	34[a]	3.02	−0.57	0.91	0	9	7	14	9	s.	E. B. Wilson.
Shelbyville	Shelby	825	38	68.0	— 5.5	95	30	46	6†	36	5.41	−0.95	2.92	0	13	12	7	11	s.	Miss Ruth Ratta.
Taylorsville	Spencer	489	25	70.2	— 2.3	94	30	50	6	35	6.87	+2.61	1.80	0	14	14	7	9	s.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	526	9	.....	.....	.....	.....	.....	.....	.....	6.64	+2.11	2.80	0	12	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	24	68.0	— 3.2	95	30	45	6	36	4.10	+0.26	1.17	0	11	15	8	7	w.	Mrs. E. S. Humlong.
Woodbury, Lock 4‡	Butler	533	10	.....	.....	.....	.....	.....	.....	.....	2.56	−1.12	0.97	0	10	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	10	68.6	— 5.3	92	29	45	6	31	5.19	+1.65	0.98	0	13	15	6	15	ne.	Curtis Purvis.
Beattyville	Lee	650	23	70.2	— 2.5	97	29†	46	6	41	3.16	−1.38	0.72	0	13	9	11	10	s	Robert S. Smallwood.
Berea	Madison	1070	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	17	.....	.....	.....	.....	.....	.....	.....	2.97	−0.94	0.70	0	15	.....	.....	.....	.....	Kelly Welden
Cynthiana	Harrison	684	9	.....	.....	.....	.....	.....	.....	.....	4.96	+1.64	2.30	0	9	15	8	7	s.	P. H. Kehoe.
Falmouth	Pendleton	600	38	.....	.....	.....	.....	.....	.....	.....	4.16	−0.01	1.20	0	8	21	4	5	e.	J. V. Oldham.
Farmers	Rowan	668	19	68.9	— 2.3	93[a]	30	43[b]	5†[b]	41[b]	5.99	1.72	1.10	0	8	.....	.....	.....	.....	Mrs. R. F. Stamper.
Fleminsburg	Fleming	841	2	.....	.....	.....	.....	.....	.....	.....	4.96	.....	1.55	0	7	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	553	11	.....	.....	.....	.....	.....	.....	.....	2.94	−0.64	0.69	0	14	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	580	2	.....	.....	.....	.....	.....	.....	.....	5.35	.....	1.50	0	13	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	640	7	.....	.....	.....	.....	.....	.....	.....	4.56	.....	0.92	0	12	.....	.....	.....	.....	T. Mitchell.
Hazard	Perry	869	3	.....	.....	.....	.....	.....	.....	.....	3.71	.....	0.82	0	13	.....	.....	.....	.....	Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	664	10	.....	.....	.....	.....	.....	.....	.....	3.64	−1.08	0.98	0	8	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	2	65.0	.....	90[d]	30	40[d]	6	30	2.80	.....	0.48	0	9	19	3	5	.....	Miss Lake Napier.
Jenkins	Letcher	1566	2	.....	.....	.....	.....	.....	.....	.....	4.78	.....	1.20	0	17	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	564	23	.....	.....	.....	.....	.....	.....	.....	3.51	1.20	0.88	0	11	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	30	68.2	— 5.0	95	30	45	6[b]	38	4.16	+0.21	1.40	0	11	9	10	11	s.	Perry E. Bennett
Middlesboro	Bell	1128	31	69.2	— 3.2	92[a]	26	47[d]	17	41[d]	4.76	+0.47	1.47	0	8	11[d]	15[b]	6[d]	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	37	68.3	— 4.1	92[a]	29†	46[a]	6	40[a]	3.24	−1.89	0.82	0	12	16[a]	3[a]	10[a]	w.	W. R. McKee.
Oneonta, Dam 25	Campbell	497	5	.....	.....	.....	.....	.....	.....	.....	4.21	.....	1.05	0	9	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	21	.....	.....	.....	.....	.....	.....	.....	3.09	0.40	1.24	0	11	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	2	.....	.....	.....	.....	.....	.....	.....	3.80	.....	0.80	0	11	.....	.....	.....	.....	F. C. Hall.
Stanford	Lincoln	732	2	70.4	.....	94	29†	47	6†	37	3.98	.....	0.70	0	10	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	691	9	.....	.....	.....	.....	.....	.....	.....	4.84	+0.38	1.20	0	11	.....	.....	.....	.....	Walter P. Bash.
Richmond	Madison	926	36	69.8	— 3.7	92	30	49	6	27	3.25	−0.60	0.70	0	13	15[b]	3[a]	11[b]	.....	J. W. Crooke.
Rockcastle, Lock 13	Lee	611	8	.....	.....	.....	.....	.....	.....	.....	3.82	.....	0.82	0	10	12	11	7	sw.	E. P. Crawford.
Sargent	Letcher	1236	4	70.0	.....	91	29†	46	6	34	2.58	−1.92	0.96	0	10	.....	.....	.....	.....	Thos. Sullivan.
Valley View, Lock 9	Madison	541	14	.....	.....	.....	.....	.....	.....	.....	4.07	+0.71	1.10	0	10	.....	.....	.....	.....	H. M. Fannin.
Vanceburg, Dam 32	Lewis	525	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wayland	Floyd	700	1	.....	.....	.....	.....	.....	.....	.....	2.40	.....	1.02	0	9	.....	.....	.....	.....	G. H. Zimmerman.
Whitesburg	Letcher	1342	2	.....	.....	.....	.....	.....	.....	.....	6.32	+1.90	2.20	0	11	17	9	4	.....	Lawrence R. Uhl.
Williamsburg	Whitley	909	30	72.4	1.4	95	30	49	16	35	2.87	.....	0.88	0	6	.....	.....	.....	.....	Shelby Angel.
Widow Lock 13	Lee	611	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes				70.4	— 3.5	98	30	42	16	42	4.13	+0.04	4.42	0	11	14	8	8	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section, or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
‡ Also on other dates. †† Received too late to be included in means and summaries.
¶ Post-office addresses: — Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.
T. Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

MISCELLANEOUS.

June 2. — A windstorm wrecked the steel work of a six story building at Paducah, with a loss estimated at $50,000. The wind uprooted numerous barns and other buildings in McCracken County. Hail attending this storm caused considerable damage.

Rivers. — From stages much above normal for this time in the season, the Ohio River declined to the usual summer condition along all except the extreme lower course. From Cairo to Paducah it was still moderately high but falling when the month closed.

Daily Precipitation for June, 1927.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Western Division																																
Beaver Dam	.15			.10	.15		.15					.10		1.70				1.00														
Blandville	.78	.28	.62			.19				.37		.23	.58					2.23		.17		.14				.66						
Calhoun	.03	.04	T.	.11		.12				.37		.30		.11				1.00	.08			.03	1.08									
Earlington	.55	.02	.10	.09	.01		.15				.05	.07		1.04					2.10			.03									
Greenville	.20	.30		.09		.15					.24	.20		.29				.35	.71			.29									
Hopkinsville	1.07	.27	1.63	.31			.22				.19	.14		.46	T.		T.	.52	.02	T.		.14	.03	.01							
Marion	.61	.58		T.		.11				.50	.45	.15	.12				1.38	.12	.14			.15	.32			.61					
Mayfield	.85	.30	.90			.20							1.00	.10				1.20		.66		.05									
Murray	1.55	.33	.35	1.68		T.	.22				T.	T.	T.	1.61	T.			.10	.91	T.	.32	.17									
Owensboro	.12	T.	.26	T.		.03	.12			.12	.21	T.	.65	.06			T.	.85		T.		.77									
Paducah (near)	.95	.70	.70			.05					.20	.12						.82	.20	.10		.30	.76								
Paducah	1.20	.10	1.05	.15			.03				.24	T.	.09					.25	.75	T.	T.	.52									
Princeton	.65	1.00	.38	.08		.14				.06	.08	.20	.50					1.75		.14		.35				.05					
Rumsey, Lock No. 2	.11		.64	.02	.04		.06				.45	.25		.11					1.08				1.25								
Russellville	.76	.30	.56	.78										.55		.02		1.12	.01	.18	.68	.68									
Central Division																																
Anchorage		T.	.21		.81	.09				.31		.26	1.16	.66				.46	.86			.21									
Bardstown			2.75	.34							.02	.05		.87	.10								.72	.47							
Bowling Green	.32		.86	.48			.10							.52	.32			1.71					.40	.12			T.				
Bowling Green, No. 2	.14	.61	.20	.12			.19					.07	.13	.16	.11			.97	.58		.03	.31	.11	.03							
Brownsville, Lock No. 6	.15		.34	.08	.21		.14							.38				.84	.05			.76	.02			.07					
Burnside	.24		.88	.08	T.		.27				T.		.08	.36	.23			.20					.15			.37					
Carrollton (Lock No. 1)			.40	.18	.30		.03				.07	.65		1.65				.06													
Clesserport	F.		.92	.11		T.	.15				.02	.20		.73				.27	T.		.02	.19				.67					
Cold Spring, Dam 36			.24	1.23							.26	T.	.17	1.04	.01			.81	.33			.18				.02					
Dix Dam, Burgin	.05		.50	.05	.09						.10	.10		1.03	.22			.29	.24				.50			.38					
Eubank	.40		.64	.25			.25				.28			.33	.35			.22								.58					
Frankfort	T.		.15	.25	.08		T.				.37	.05	T.	.65	T.			1.92	T.			.06	.37			.68					
Franklin			.28		.16			.58							.14						.22		.18				.26		.56		
Gest, Lock No. 3	.03		.16	1.46	.26		.04				.23		.05	1.64				1.40	.08			.27	.03			.20					
Grant, Dam 38	.05	.66	.39									1.39	.25					2.00			.29	.12								
Greensburg	.18		.24	.07	.15		.17				.21		1.00	.02				.42	.04			.16				.47					
High Bridge, Lock No. 7	.07		.40	.65			.11					T.	1.11	.23				.52	.01			.22	.45			.37					
Irvington	T.	T.	1.08	.31									.70	.09				.42	.15			.05				.68					
Junction City	.91	.04	1.33	.25		.05	.10				.20	.25	.11	.14				.18	.13			.33				.40					
Lancaster			.96				.15				.10	.12	.11	.02				.05	.18			.01	.17		.03						
Leitchfield		.10	.30	.42		.14					.33	.14		.68	.25			.24	.05				.04	.01			.55					
Lexington		.17		.29		T.				T.	T.	.15	.12	.27				.30	.10			.40	.41			.26					
Little Hickman, Lock No. 8	.13		.45	.35	.30		.11				.13	.07		.58	.18		T.	.25	.14			T.	T.		.55	.01					
Lockport, Lock No. 2		.07	.64	.14		.04				.18	.06		1.26	T.				1.36	.07		.19	.04		.43		.19					
Louisville		.33	.68	.26		.05				.84		.07	1.34	.17				.25	.36		.12	.03		.05							
Do. (Cherokee Park)		.04	.30	.48		.06				.53		.08	.64	.53				.26	.32		.23	.02				.14					
Lunsford ville	.19			.09			.12							.47				.70				.44									
Mt. John			.20	.22		.10	.11				.16	.43		.36	.06				.50		.03	.45	.02			.44					
Nails, Lock No 6			.45	.14		T.					.15	.40		.75				.74				.37	.58			.45					
Port		.02	.29	.87						.08		.01		.30			T.	.91			.19			T.		.20					
Shelbyville			.18	.80	.14		.06				.14	.24	.02	.57	T.			2.02	.02			.32	.56			.18					
Taylorsville		.06	.20	.67		.05					.10	.20	.35	.56				1.80	1.67	.01	.19	.85				.27					
Tyrone, Lock No. 5		.16	.90	.14						.10		.05	.56	.02				2.80	.36		.15	.77									
Williamstown	.10		.17	.39	.24		.04				.07	.02		1.17					1.12			.31	.46			.63					
Woodbury, Lock No. 4	.14		.25	.15	.11		.10					T.		.36					.97		.08	.57					.03				
Eastern Division																																
Ashland	.03		.46	.28	.36		.15				.61			.45	.56			.77	.98		.06	.15				.33					
Beattyville	.07		.53	.01			.36				.72		.02	.13	.55			.43	.07		.01		.06			.26					
Berea																																
College Hill, Lock No. 11	.05		.20	.03	.03	.15					.26		.26	.22	.70			.40	.10		.03	.03	.36			.12					
Cynthiana	.03		.10	.36	.02	T.					.16	.10	.12	1.00	.02			2.36	.03	.05	.17	.12				.44					
Falmouth	T.		.15	.99	.56		T.					T.		.75				1.35	.15			.08				.33					
Georgetown		1.26	.66							T.		.37	1.00					.84	.55		1.10				.33					
Hazard, Lock No. 10			.50	.40										1.36				1.55	.60		.20	.51									
Grayson	.62		.22	.07	.37		.10				.11		.08	.69	.33			.27	.05			.02	.22			.37					
Greenup, Dam 30	.03		.12	.87	.33		.01				.92			.87	.22			1.50	.87			.24		.03		.07					
Hazard			.68	.11			.06				.72			.87	.22			1.50	.87			.24		.03		.07					
Heidelberg, Lock No. 14		.82	.46	T.		.20				.21	.14	T.	.82	.83	.38	T.		.13	T.			.27	.11	.17		.51					
Indian			.59				.35				.98			.13	.50				.05			.08				.11					
Jenkins		.34	.30	.20		.30								.44	.48						.44	.17	.02			.30					
Louisa	.10	.74	.26	.10		.32	.04		.09	.01		.12	.95	.19				.10	.03			.06	.17	.10		.20					
Maysville			.88	.01	.26		.26	.01			.11			.20	.61			1.36	.58					.18							
Middlesboro			1.47			.11	.25					T.		.42	.12			1.40	.66					.02		.08					
Mount Sterling	.63		.22		.10		.05				.16		.04	.32	.24			.12	.61			1.31									
Nicholasville	.03		.25	.93							.53			1.05	.10			.65	.20			.18				.53					
Owensboro	.10		.55	T.	.08		.48				T.		T.	1.24	.10			.18	.32		T.	.12	.18			.32					
Pikeville	.06		.58		.20		.29				.08			.89	.55			.46	.52		.11					.48					
Ravenna, Lock No. 12	.15		.58				.30		T.	.26	.16	.25	.40					.60	.05		T.		T.			.26					
Richmond	.10		.56	T.	.40		.40				.58			1.20	.70			.35	.08				.24			.70					
Urgent	.08		.55	T.	.12		.18				.19			.55	.70			.18	.04		.04	.05	.23			.23					
Valley View, Lock No. 9				.82																	.03	.28	.44			.39					
Vanceburg, Dam No. 32			.12	.05	.43		.04				.30			.82	.17			1.10	.40			.04									
Wayland																						.14				.27					
Whitesburg	.10		.60	T.	.05	.19				.12		.10		1.02				.13				.16									
Williamsburg	.81		.80	.80		.47								2.20	.71			.43	.05			.12	.12			.11					
Willow, Lock No. 13			.67								.88		.21		.27			.25							.29						

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ▼ Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (O) Ohio; (M) Mississippi; (T) Tennessee: (O) Ohio: (M) Mississippi. (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland

¶ Long Oak.

Errata for May, 1927.

Bowling Green, monthly mean temperature should be 67.9°. Greensburg, total precipitation should be 8.48. Mayfield, total precipitation should be 9.35. Leitchfield, days partly cloudy 20; cloudy 6. Maysville, days partly cloudy 7; cloudy 13. Shelbyville, cloudy days 15.

Daily Temperatures for June, 1927.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	76	76	83	83	76	68	76	82	88	81	93	90	90	77	77	79	79	79	83	88	82	86	86	85	92	84	80	92	95	96	..	83.4
	Minimum	64	60	65	69	61	53	46	51	56	67	69	67	66	59	55	58	52	65	59	61	69	66	65	58	61	65	56	56	68	69	..	61.2
Blandville	Maximum	74	77	79	78	73	68	74	79	83	86	88	87	75	66	74	76	72	76	72	80	81	82	82	82	89	83	78	88	91	92	..	79.5
	Minimum	64	64	66	68	62	54	49	56	56	68	70	66	63	52	56	54	54	64	63	63	70	67	65	61	67	68	60	62	73	73	..	62.9
Calhoun	Maximum	76	77	81	79	73	74	79	84	85	88	91	87	84	80	77	78	75	78	78	84	84	83	83	85	89	86	81	81	96	96	..	82.4
	Minimum	62	60	64	69	62	53	47	53	58	67	69	70	76	67	56	54	60	65	58	61	70	63	65	61	63	65	54	56	68	66	..	61.6
Earlington	Maximum	78	79	85	79	76	69	77	83	86	89	91	87	88	79	77	79	77	77	81	87	84	86	85	85	91	83	82	92	95	96	..	83.4
	Minimum	65	62	65	73	62	54	45	51	56	70	69	67	67	60	55	52	62	67	59	62	70	66	66	57	67	68	57	57	71	69	..	62.4
Greenville	Maximum	77	82	..	83	81	70	77	83	85	82	90	88	87	75	84	89	77	75	86	81	82	83	85	91	..	87	91	93	96	..	..	†83.5
	Minimum	62	58	..	70	58	54	45	50	54	66	67	65	65	57	55	52	58	64	57	58	68	63	64	57	62	66	56	56	68	68	..	†59.9
Hopkinsville	Maximum	77	78	83	81	77	70	81	83	85	91	92	90	88	78	79	81	79	79	80	86	83	84	85	87	92	86	83	93	97	98	..	84.2
	Minimum	63	61	65	69	59	54	46	51	55	66	69	65	66	58	55	56	62	65	58	61	68	70	65	57	62	68	66	59	69	68	..	61.6
Marion	Maximum	75	76	81	78	79	66	80	81	82	90	89	88	75	86	76	77	74	78	80	83	83	81	82	87	88	86	85	88	91	94	..	81.6
	Minimum	63	62	65	69	61	55	49	59	64	69	66	63	65	66	58	54	55	61	67	62	63	70	67	65	65	60	66	67	67	62	70	74	..	62.9
Mayfield	Maximum	75	76	81	82	73	72	75	80	83	87	92	91	87	73	56	57	54	64	67	61	63	70	70	61	60	65	68	58	60	71	71	..	82.0
	Minimum	64	64	66	71	62	55	49	55	59	68	70	66	67	56	57	55	54	64	66	68	65	65	65	65	65	62	64	64	81	63	67	71	..	63.1
Murray	Maximum	85	81	84	82	75	70	78	83	87	90	94	92	93	73	77	81	79	79	80	86	83	86	83	86	86	85	86	92	84	81	93	97	98	..	84.6
	Minimum	64	63	68	71	59	56	48	51	56	67	70	66	67	58	57	54	64	66	68	68	69	70	69	57	62	66	66	67	68	68	71	71	..	61.9
Owensboro	Maximum	74	73	79	77	74	62	76	82	88	86	88	79	76	76	73	76	76	78	78	83	80	86	85	82	88	93	85	85	94	97	98	..	79.8
	Minimum	60	59	61	72	58	51	47	53	57	65	65	64	60	54	54	55	60	64	59	61	66	65	64	59	61	66	65	66	68	68	71	71	..	60.1
Paducah (near)	Maximum	76	81	81	80	78	73	81	86	87	90	92	91	88	78	81	80	79	80	76	84	86	85	82	88	93	85	85	94	97	98	..	84.3
	Minimum	65	65	64	70	63	56	49	55	60	70	76	68	57	55	54	61	67	62	63	70	67	65	59	67	62	68	60	70	72	73	..	63.4
Princeton	Maximum	74	73	78	76	76	65	75	80	84	87	88	86	86	76	75	76	76	76	76	83	82	83	78	83	85	83	76	89	91	94	96	..	80.4
	Minimum	63	62	63	65	61	54	47	52	56	67	69	65	66	57	55	54	61	66	59	61	68	66	63	58	62	69	56	58	66	68	..	61.3
Russellville§§	Maximum	74	77	81	80	74	63	74	79	85	87	92	88	88	68	74	76	78	78	81	84	83	84	83	84	88	82	79	91	94	96	..	81.8
	Minimum	63	60	64	65	59	54	51	51	57	64	71	69	66	60	57	58	61	64	58	59	69	69	68	58	62	69	56	58	66	68	..	61.6
Central Division.																																	
Anchorage	Maximum	68	67	77	78	73	60	75	81	85	87	87	83	75	68	75	75	73	79	80	85	80	82	82	82	87	79	78	89	93	95	..	79.3
	Minimum	57	57	57	63	57	48	45	51	52	66	66	66	59	55	50	51	58	63	58	57	66	64	63	54	59	61	51	52	64	68	..	58.0
Bardstown	Maximum	71	72	81	80	74	61	76	81	88	88	90	84	85	70	76	75	77	82	81	88	82	82	88	89	93	87	86	94	97	97	..	83.8
	Minimum	60	57	61	67	56	50	49	51	54	66	70	67	67	57	54	52	60	54	55	57	67	70	66	58	59	65	53	54	67	69	..	59.7
Bowling Green	Maximum	80	78	82	84	78	68	79	84	87	93	96	93	93	73	82	80	82	87	82	87	84	84	88	89	93	87	86	94	97	97	..	86.2
	Minimum	62	57	63	70	59	54	48	50	55	65	69	66	59	53	48	42	49	64	60	62	70	69	67	60	62	70	59	60	72	73	..	60.2
Dix Dam	Maximum	76	68	71	78	80	78	74	70	80	86	86	87	78	81	62	72	74	74	73	80	82	85	82	85	89	86	76	78	88	93	..	78.8
	Minimum	59	57	59	62	60	62	48	50	52	66	67	67	65	57	55	50	59	59	62	56	79	84	85	80	82	83	85	79	..	..	..	93	..	†79.3
Eubank	Maximum	70	72	79	78	75	68	74	79	83	84	87	85	85	75	73	75	73	76	79	84	85	80	82	83	85	79	..	..	..	..	..	..	..	58.9
	Minimum	60	55	60	55	56	61	52	48	54	63	68	67	62	50	55	52	60	62	55	54	63	68	68	60	64	65	63	52	63	63	..	81.0
Frankfort	Maximum	72	71	77	83	76	71	74	80	86	87	87	86	81	75	73	74	77	79	80	85	85	83	84	82	88	86	77	87	93	94	..	60.2
	Minimum	59	59	59	68	61	50	53	51	54	66	67	69	62	57	55	53	60	64	56	59	65	68	67	60	64	65	63	64	68	68	..	82.5
Franklin	Maximum	75	73	82	81	80	69	78	81	82	91	92	88	88	78	78	78	78	82	81	84	84	81	80	84	86	84	81	91	93	96	..	67.9
	Minimum	65	66	70	66	64	58	58	59	66	73	74	73	73	63	62	63	66	64	66	68	72	72	72	71	73	71	68	70	74	76	..	67.9
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Greensburg	Maximum	73	69	80	81	78	67	77	81	86	88	93	82	80	78	69	76	75	80	81	84	83	84	83	85	83	82	79	92	86	95	..	81.3
	Minimum	60	55	63	66	55	48	50	47	52	62	68	66	62	59	55	46	58	61	54	56	63	67	65	56	63	65	56	57	70	71	..	58.8
Irvington	Maximum	70	70	79	79	79	64	74	78	83	86	86	82	81	74	74	74	73	76	80	83	84	84	81	84	84	87	80	83	91	93	96	..	79.6
	Minimum	61	59	60	69	61	52	48	54	57	68	68	67	64	57	55	54	60	65	56	60	70	67	65	59	63	65	56	57	70	71	..	61.3
Junction City	Maximum	70	69	80	80	76	64	76	83	84	86	90	88	83	76	74	76	74	80	83	84	84	81	84	84	87	80	83	91	93	96	..	81.3
	Minimum	58	54	58	67	61	46	51	50	47	46	68	65	60	57	53	47	59	62	54	53	62	69	64	57	54	66	55	49	61	78	..	57.2
Leitchfield	Maximum	74	72	78	79	74	67	74	80	83	87	90	87	87	75	75	77	74	76	81	84	88	89	92	92	93	88	79	89	93	95	..	80.9
	Minimum	62	58	62	69	61	52	47	53	57	62	70	66	63	58	55	52	60	63	58	59	69	68	67	58	65	65	54	55	68	70	..	60.9
Lexington	Maximum	68	69	75	78	69	61	71	79	84	83	84	81	75	70	70	73	74	75	77	83	82	78	79	80	84	71	74	86	90	92	..	77.2
	Maximum	68	69	75	78	69	61	71	79	84	83	84	81	75	70	70	73	74	75	77	83	82	78	79	80	84	71	74	86	90	92	..	77.2
	Minimum	57	55	57	62	55	50	52	47	53	57	62	70	66	63	58	55	52	60	63	68	68	59	69	58	63	56	52	58	71	76	..	60.3
Louisville	Maximum	69	67	76	78	70	59	74	78	84	86	87	80	73	64	72	73	70	78	80	83	78	83	80	80	86	75	77	88	92	93	..	77.8
	Maximum	69	67	76	78	70	59	74	78	84	86	87	80	73	64	72	73	70	78	80	83	78	83	80	80	86	75	77	88	92	93	..	77.8
	Minimum	59	59	58	66	59	52	51	57	61	70	66	67	58	66	55	55	58	64	60	62	69	68	64	58	66	61	55	60	71	75	..	61.3
Louisville (Cherokee Park)	Maximum	68	68	74	77	72	68	71	76	81	84	84	84	75	72	72	72	71	76	76	81	80	81	80	78	84	83	75	84	87	88	..	77.4
	Minimum	59	59	58	66	59	52	51	57	61	70	66	67	58	66	55	55	58	64	60	62	69	68	64	58	66	61	55	60	71	75	..	61.3
	Maximum	68	68	74	77	72	68	71	76	81	84	84	84	75	72	72	72	71	76	76	81	80	81	80	78	84	83	75	84	87	88	..	77.4
	Minimum	59	59	58	66	59	52	51	57	61	70	66	67	58	66	55	55	58	64	60	62	69	68	64	58	66	61	55	60	71	75	..	61.3
St. John	Maximum	79	71	70	81	79	75	65	75	79	84	87	90	84	87	75	75	77	74	76	81	84	86	85	85	91	83	82	92	93	95	..	83.5
	Minimum	59	55	56	68	57	49	44	50	54	65	66	65	61	56	55	51	58	62	58	56	66	65	64	51	61	61	50	50	..	70	..	†56.0
Scott	Maximum	68	68	74	78	69	64	72	76	81	83	81	78	67	64	68	69	70	72	76	79	77	81	78	75	85	81	76	88	89	93	95	..	79.6
	Minimum	52	53	54	65	54	44	47	52	54	68	60	65	64	53	47	50	52	61	58	62	55	58	63	57	62	70	57	58	73	75	..	56.4
Shelbyville	Maximum	70	69	76	79	73	61	75	80	85	86	87	82	79	73	74	75	76	78	79	83	81	81	81	83	86	80	80	88	91	94	..	80.4
	Minimum	55	54	56	67	57	46	46	47	49	65	64	64	58	52	50	48	55	62	52	58	64	66	53	54	55	61	48	59	61	65	..	60.3
Taylorsville	Maximum	75	68	80	80	71	66	76	80	86	86	88	84	82	79	70	74	74	78	79	83	81	81	83	86	90	85	85	90	93	95	..	83.2
	Minimum	59	58	58	68	60	50	51	51	63	66	67	68	62	57	55	51	61	64	54	62	66	70	68	58	65	80	78	89	94	95	..	78.1
Williamstown	Maximum	70	68	78	76	69	65	75	80	87	86	84	81	71	65	72	73	72	76	74	80	80	80	80	85	85	80	78	89	94	95	..	80.4
	Minimum	53	54	55	66	59	45	51	54	57	67	63	68	57	54	49	48	58	61	56	60	61	67	64	56	61	62	48	53	67	71	..	57.1
Eastern Division.																																	
Ashland	Maximum	68	70	75	78	78	69	78	76	85	88	87	85	79	71	72	79	78	75	75	82	82	79	78	75	82	79	78	86	76	78	92	91	..	78.1
	Minimum	55	50	58	66	61	45	54	52	54	66	67	65	59	55	54	49	56	58	52	57	69	70	68	60	61	65	54	50	63	67	..	58.4
Beattyville	Maximum	71	74	80	81	80	64	74	80	85	87	87	90	89	87	72	74	78	75	74	84	84	83	82	86	87	81	79	93	97	97	..	82.0
	Minimum	60	54	60	62	57	46	52	50	53	63	66	65	62	59	54	48	57	59	61	50	60	70	66	61	58	64	52	52	62	66	..	58.8
Berea	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Farmers	Maximum	74	77	83	81	69	76	80	88	86	89	87	80	71	80	74	77	74	79	84	83	83	83	82	87	88	84	76	88	92	93	..	*81.
	Minimum	53	56	64	57	43	50	46	48	60	67	63	59	54	52	43	58	61	59	58	56	61	62	58	55	57	59	49	53	66	68	..	*56.
Hindman	Maximum	73	73	79	82	79	69	71	72	72	90	90	86	90	73	72	80	76	71	84	84	85	86	87	90	88	84	76	89	93	95	..	84.6
	Minimum	64	66	65	60	64	46	50	51	54	62	65	67	63	58	56	60	62	56	62	64	62	66	65	63	60	60	51	61	65	68	..	61.9
Maysville	Maximum	71	72	76	81	79	68	74	80	87	87	85	83	78	70	72	73	75	79	79	82	83	82	83	84	88	84	76	88	92	93	..	78.8
	Maximum	71	72	76	81	79	68	74	80	87	87	85	83	78	70	72	73	75	79	79	82	83	82	83	84	88	84	76	88	92	93	..	78.8
	Minimum	52	51	56	65	60	50	53	50	59	65	63	65	59	55	48	45	52	59	60	56	63	65	62	60	61	56	..	..	..	..	..	..	..	†57.
Middlesboro	Maximum	77	73	80	80	80	71	66	76	80	86	86	88	82	79	70	74	74	78	79	83	81	81	81	83	86	80	80	88	91	94	..	80.4
	Minimum	59	58	58	68	60	50	51	51	63	66	67	68	62	57	55	51	61	64	54	62	66	70	68	58	65	80	78	89	94	95	..	78.
Mount Sterling	Maximum	60	55	62	61	53	48	54	49	54	65	64	63	60	64	55	48	47	55	56	78	80	82	86	83	82	88	77	75	90	92	..	*82.
	Minimum	69	70	78	..	73	60	71	73	86	88	88	88	76	60	58	53	49	58	60	55	56	62	58	59	58	80	79	60	94	94	..	*57.
Quicksand	Maximum	67	54	57	..	58	46	50	58	59	64	68	65	60	58	53	49	58	60	55	64	68	70	68	65	65	85	88	89	93	95	..	84.
	Minimum	59	53	61	63	59	47	54	56	62	64	68	64	62	58	54	49	58	60	55	64	68	70	68	65	65	85	88	89	93	95	..	84.
Richmond	Maximum	71	71	76	80	73	62	72	79	85	85	86	82	75	62	70	75	75	77	74	77	80	84	81	84	87	86	90	88	91	91	..	81.
	Minimum	60	56	60	60	49	52	52	58	68	70	70	68	60	56	51	50	60	62	60	57	59	66	67	63	60	60	51	61	65	71	..	61.
Sergent	Maximum	72	70	81	83	80	65	70	80	85	83	87	85	80	74	68	65	62	66	72	77	80	84	84	87	89	88	84	87	89	91	..	82.
	Maximum	71	70	81	83	80	65	70	80	85	83	87	85	80	74	68	65	62	66	72	77	80	84	84	87	89	88	84	87	89	91	..	82.
Williamsburg	Maximum	75	75	82	83	80	65	70	80	85	83	87	85	80	74	68	65	62	66	72	77	80	84	84	87	89	88	84	87	89	91	..	82.
	Minimum	63	57	63	66	56	51	54	51	57	64	65	68	64	62	57	49	57	59	58	58	60	65	63	61	60	68	52	56	63	65	..	59.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*, †, etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville 7-29-27 1000

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

THE LIBRARY OF THE
SEP 1 1927
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

Vol. XXXII LOUISVILLE, KY., JULY, 1927. No. 7

GENERAL SUMMARY.

Moderate temperatures and generous sunshine favored crop development, the completion of harvest and threshing, and other seasonal activities. Deficient precipitation until late in the month, following the long period of super-saturation, allowed the soil to harden and prevented satisfactory cultivaton. Showers near the middle of the month relieved this condition in some districts, but it was only near the end that rains in sufficient amount to soften the soil occurred generally over the State. The corn crop, variable and most of it extremely late, made fairly good progress during the first two weeks, after which its growth was retarded by dry weather. Early corn and tobacco on hills and upland were suffering for rain when it came in the period 28-30th. Corn that had reached the tasseling stage showed a tendency to "fire". Late corn and tobacco developed large root systems during the dry weather, hence the rains were followed by marked improvement. Early corn was insufficiently cultivated and often weedy when laid by. Although difficult because of dry soil, the cultivation of the late crops was fairly good. Not much tobacco reached the topping stage. In most districts threshing was finished, with grain in excellent condition but yields continuing unsatisfactory. Second crop alfalfa was cut very late because of the late removal of the first crop. On many farms the second crop was still growing at the close. Early potatoes matured a crop of good quality but short acreage. Dry weather and hard soil interfered with planting late potatoes. Field tomatoes, which had been transplanted late, grew slowly, but improved quickly after the rains. The large acreage of cowpeas and soybeans made good progress. Mowing of forage crops continued until the middle of the month. Pastures dried rather badly in places, particularly on the warm slopes and dry uplands, but remained fairly good on other fields. Cotton was small, but generally well cultivated. It reached the blooming stage in the last week.

TEMPERATURE.

The temperature for the State, based on reports from 44 stations, was 75.7°, which is 1.2° below normal. As compared with the seasonal average, temperatures were somewhat lower in the western than in the eastern counties. Maxima were generally moderate, periods of high temperature being limited to one to three days. Extremes for the State were 101° on the 7th at Bowling Green and 45° on the 6th at Farmers.

PRECIPITATION.

Precipitation for the State, 81 stations reporting, averaged 4.71 inches, which is 0.46 inch less than normal. It was heaviest near the Ohio River and in the eastern mountain district, where amounts in limited areas ranged between 4.0 and 6.0 inches. In the southern counties and most of the bluegrass region beiween 2.5 and 3.5 inches occurred. Precipitation was light and scattered in the western counties during the first decade, but there were moderate to heavy local showers on a few days in the central and eastern divisions. Moderate to heavy rains occurred rather generally in the periods 13-18th and 30th-31st, although the distribution continued irregular. Local showers also occurred from the 21st to 23d. The extremes for the State were 1.81 inches at Williamstown and 6.72 inches at Maysville. Thunderstorms were not especially frequent and No hail of consequence was reported.

MISCELLANEOUS.

July 10.--A windstorm caused considerable damage to wire systems in Shelby and Franklin counties.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date	Lowest.	Date.	Wind. Total movement	Av. hourly velocity	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.01	30.24	4	29.82	30	4750	6.4	33	w.	14
Cincinnati ..... Ohio	30.01	30.32	4	29.79	31	4258	5.7	25	nw.	14
Evansville..... Ind.	30.03	30.30	4	29.81	30	5437	7.3	37	sw.	7
Lexington ..... Ky.	30.02	30.27	5	29.80	2	8522	11.2	37	sw.	14
Louisville ..... Ky.	30.02	30.28	5	29.80	30	6092	8.9	56	sw.	28

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	80	57	58	363.0	447.1	81	19	1
Cincinnati ..... Ohio.	77	53	62	355.2	452.3	78	18	1
Evansville..... Ind.	76	52	55	345.9	449.8	77	17	1
Lexington ..... Ky.	76	55	..	264.2	449.8	59	9	1
Louisville ..... Ky.	76	52	57	367.8	449.8	82	19	1

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	75.1	− 1.8	98	50	5.62	+1.45	..	..	..	..	..
1890...	73.0	− 3.9	101	44	2.66	−1.51	..	..	..	..	..
1891...	74.0	− 2.9	91	47	4.08	−0.09	..	..	..	..	..
1892...	76.5	− 0.4	100	48	3.80	−0.87	..	..	..	..	..
1893...	76.8	+ 1.9	101	50	3.48	−0.69	..	..	..	..	..
1894...	76.2	− 0.7	105	43	2.03	−2.14	..	..	..	..	..
1895...	75.2	− 1.7	99	49	5.75	+1.58	9	10	13	9	..
1896...	77.4	+ 0.5	103	47	7.44	+3.27	11	11	12	8	0
1897...	77.8	+ 0.9	107	50	4.79	+0.62	10	14	11	6	0
1898...	77.8	+ 0.9	102	48	4.71	+0.54	11	13	13	5	0
1899...	77.3	+ 0.4	100	47	3.78	−0.39	9	15	10	6	0
1900...	77.9	+ 1.0	101	50	4.91	+0.74	11	15	11	5	0
1901...	81.7	+ 4.8	112	48	1.72	−2.45	6	21	7	3	0
1902...	78.1	+ 1.2	107	48	1.91	−2.26	6	19	9	3	0
1903...	77.5	+ 0.6	104	49	3.53	−0.64	8	17	9	5	0
1904...	75.2	− 1.7	99	46	3.40	−0.77	10	16	9	6	0
1905...	75.9	− 1.0	102	52	5.93	+1.76	13	14	9	8	0
1906...	75.2	− 1.7	100	51	6.02	+1.85	11	14	9	8	0
1907...	78.1	+ 1.2	102	40	4.71	+0.54	9	18	8	5	0
1908...	76.9	0 0	100	50	3.94	−0.23	10	16	8	7	0
1909...	74.8	− 2.1	99	48	6.01	+1.84	11	14	9	8	0
1910...	75.2	− 1.7	96	51	8.63	+4.46	16	10	9	12	0
1911...	75.8	− 1.1	105	42	2.28	−1.89	7	16	8	6	0
1912...	76.8	− 0.1	100	53	5.50	+1.33	12	13	10	8	0
1913...	79.9	+ 3.0	109	48	2.54	−1.63	7	17	10	4	0
1914...	78.8	+ 1.9	109	43	3.20	−0.97	6	17	9	5	0
1915...	75.7	− 1.2	102	49	5.30	+1.13	11	14	11	6	0
1916...	78.6	+ 1.7	102	52	4.17	0.00	9	17	9	5	0
1917...	75.3	− 1.6	100	50	4.38	+0.21	11	12	10	9	0
1918...	73.8	− 3.1	103	46	3.28	−0.89	8	15	9	7	0
1919...	79.5	+ 2.6	104	50	2.10	−2.07	5	20	8	3	0
1920...	76.2	− 1.7	99	44	3.83	−0.34	9	16	9	6	0
1921...	81.1	+ 4.2	106	52	2.65	−1.52	7	17	10	4	0
1922...	76.4	− 0.5	102	47	4.77	+0.60	9	17	9	5	0
1923...	76.8	− 0.1	99	44	3.59	−0.58	8	17	9	5	0
1924...	73.7	− 3.2	99	45	3.63	−0.54	8	18	8	5	0
1925...	76.7	− 0.2	105	46	3.93	−0.24	9	15	10	6	0
1926...	77.6	+ 0.7	107	43	4.36	+0.19	9	16	9	6	0
1927...	75.7	− 1.2	101	45	3.71	−0.46	9	17	9	5	0

Climatological Data for July, 1927.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days: Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	23	77.2	−0.6	98	28	52	9	34	3.40	−0.58	1.15	0	9	19	7	5	s.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	45	76.2	−2.0	93	1†	56	4	27	2.96	−0.93	1.34	0	8	10	14	7	sw.	E. W. Horr.
Calhoun	McLean	437	23	77.5	−0.5	96	12†	54	4†	34	4.53	+0.31	1.83	0	7	9	21	1	sw.	W. A. Taylor.
Earlington	Hopkins	420	37	76.6	−1.8	97	1†	51	9	38	2.32	−1.78	0.82	0	8	26	2	3	sw.	Brick Southworth.
Greenville	Muhlenburg	519	10	*74.2	−2.9	95[b]	1	51[b]	5	37[b]	2.04	−1.10	0.76	0	8	15	10	6	se.	C. R. Lovell.
Hopkinsville	Christian	524	31	77.5	−1.3	100	1†	54	9	38	2.74	−1.19	0.95	0	8	22*	7*	1*	s.	W. E. Graves.
Marion	Crittenden	551	29	77.0	−0.9	95	1†	54	4	30	4.50	+0.94	1.62	0	7	16	12	3	sw.	B. C. Paris.
Mayfield	Graves	364	18	*77.3	−0.6	97*	28	55*	4	33*	3.65	−0.24	1.82	0	3	12*	17*	1*	w.	Mrs. C. R. Sowell.
Murray	Calloway	412	1	76.5	.....	99	28	52	9†	39	2.04	.....	1.08	0	4	16	13	2	s.	Harry B. Arnold
Owensboro	Daviess	479	30	76.0	−1.7	96	1	54	4	34	4.08	+0.71	1.56	0	8	20	4	7	s.	Henry S. Berry.
Paducah (near)§	McCracken	516	10	77.8	−2.2	100	12	52	9	40	2.70	−0.20	1.25	0	3	25	2	4	sw.	J. W. Lilley
Paducah	McCracken	341	28	.....	.....	.....	.....	.....	.....	.....	3.72	−0.26	1.34	0	7	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	20	74.0	−4.1	94	28	55	4†	28	2.92	−0.92	0.95	0	11	12	13	6	s.	Dr. W. L. Cash.
Rumsey, Lock 2‡	McLean	384	10	.....	.....	.....	.....	.....	.....	.....	4.73	+2.33	1.84	0	9	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	16	77.2	−0.5	99	28	53	5	35	2.98	−1.59	1.31	0	8	21°	0°	7°	n.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	26	74.4	−1.6	97	1†	50	4†	34	4.87	+0.43	3.34	0	9	23	7	1	sw.	C. E. Barret.
Bardstown	Nelson	637	30	76.0	−4.7	98	28	51	5	34	2.90	−1.01	1.75	0	8	17	2	12	sw.	Mrs. Emily T. Sieco.
Bowling Green	Warren	500	38	79.0	+0.1	101	28	55	4†	36	2.52	−1.81	1.10	0	5	14	15	2	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	2	.....	.....	.....	.....	.....	.....	.....	1.82	.....	0.55	0	8	.....	.....	.....	.....	J. Frank Thomas.
Bowling Green, Lock 6‡	Edmonson	410	10	.....	.....	.....	.....	.....	.....	.....	4.66	+1.56	1.46	0	9	.....	.....	.....	.....	Virgil M. Whalin.
Brawnsville, Lock 6‡	Pulaski	773	86	.....	.....	.....	.....	.....	.....	.....	2.91	−1.98	0.93	0	9	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Carroll	422	28	.....	.....	.....	.....	.....	.....	.....	3.58	+0.18	0.97	0	11	.....	.....	.....	.....	Charlie Oliver.
Carrollton, Lock 1	Breckenridge	422	13	.....	.....	.....	.....	.....	.....	.....	4.52	+0.69	1.11	0	9	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Campbell	489	1	.....	.....	.....	.....	.....	.....	.....	6.36	.....	3.35	0	10	.....	.....	.....	.....	W. L. Patchell.
Cold Spring, Dam 36	Mercer	770	3	75.3	.....	96	2†	52	5	30	2.62	.....	1.20	0	8	18	7	6	s.	G. D. Glass.
Dix Dam, Burgin	Pulaski	1177	33	75.8	+0.9	94	1†	52	5†	36	2.05	−2.49	0.49	0	8	8	18	5	s.	Mrs. Katie Payne.
Eubank	Franklin	560	35	76.4	−0.5	95	1†	54	5	30	3.28	−0.83	1.38	0	6	22	1	8	s.	Sidney Wood.
Frankfort	Simpson	691	32	80.0	−2.2	98	1	65	3†	29	4.49	+0.29	1.10	0	8	20	10	1	.....	M. E. Johnson.
Franklin	Henry	449	16	.....	.....	.....	.....	.....	.....	.....	3.58	−0.44	1.38	0	9	.....	.....	.....	.....	Albert Purvis.
Gest, Lock 8	Barren	780	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Fidella Edwards.
Glasgow	Boone	506	2	.....	.....	.....	.....	.....	.....	.....	2.22	.....	1.02	0	7	.....	.....	.....	.....	Bert Ross.
Grant, Dam 38	Green	581	34	74.8	−1.8	99	28	48	5	38	3.94	−0.65	1.15	0	7	7	4	20	e.	Mrs. Bettie K. H. Alcorn.
Greensburg	Jessamine	550	25	.....	.....	.....	.....	.....	.....	.....	2.70	−1.62	0.92	0	8	.....	.....	.....	.....	Miss Lulu Wood.
High Bridge, Lock 7	Breckenridge	646	29	75.7	−1.6	93	1	54	5	31	3.00	−0.21	0.62	0	9	19	8	4	sw.	W. J. Piggott.
Irvington	Boyle	985	33	75.4	0.0	97	1†	49	5	42	3.90	−0.40	1.10	0	11	20	8	3	s.	William E. Grubbs.
Junction City	Garrard	1032	1	.....	.....	.....	.....	.....	.....	.....	5.18	.....	1.38	0	12	.....	.....	.....	.....	L. J. Vanhook.
Lancaster	Grayson	635	31	76.1	−0.5	96	1†	53	5	32	4.45	+0.50	1.71	0	8	13	17	1	sw.	H. H. Willis.
Leitchfield	Fayette	989	43	75.2	−0.7	95	28	55	5	27	2.95	1.49	1.26	0	12	13	15	3	sw.	U. S. Weather Bureau.
Lexington	Jessamine	923	16	.....	.....	.....	.....	.....	.....	.....	2.34	−1.82	0.69	0	8	.....	.....	.....	.....	Horace Canter.
Little Hickman, Lock 8¶	Henry	476	17	.....	.....	.....	.....	.....	.....	.....	2.59	−1.43	0.92	0	11	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Jefferson	525	54	76.4	−2.2	95	1	56	4	27	4.27	+0.53	2.16	0	8	12	13	6	sw.	U. S. Weather Bureau.
LOUISVILLE	Do.	534	17	74.4	−1.6	90	13†	54	4†	26	4.81	−0.30	2.10	0	7	16	10	5	sw.	Wm. I. Hunt.
Do. (Cherokee Park)	Do.	600	2	.....	.....	.....	.....	.....	.....	.....	2.01	.....	0.57	0	6	.....	.....	.....	.....	C. R. Richardson.
Munfordville	Hart	777	31	*74.8	−1.2	93[d]	28†	52[d]	4†	33[d]	3.44	−0.05	0.65	0	10	23	4	4	.....	Sisters of Loretto.
St. John	Hardin	490	13	.....	.....	.....	.....	.....	.....	.....	2.13	−2.28	0.90	0	7	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6¶	Mercer	900	29	73.0	−2.9	92	1†	53	5†	30	6.02	+2.40	2.00	e	10	8	18	5	sw.	E. B. Wilson.
Scott ¶	Kenton	825	38	73.8	−3.1	98	12	48	5	38	5.46	+1.36	3.70	e	8	11	13	7	n.	Miss Ruth Ratta.
Shelbyville	Shelby	489	25	75.0	−1.1	94	28†	52	5	35	3.39	−0.88	1.28	0	10	22	3	6	n.	E. D. Bourne.
Taylorsville	Spencer	526	9	.....	.....	.....	.....	.....	.....	.....	3.08	.....	0.90	0	8	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5¶	Anderson	943	24	75.6	−0.1	97	28	52	5	30	1.81	−1.87	0.65	0	10	15	14	2	w.	Mrs. E. S. Humlong.
Williamstown	Grant	933	10	.....	.....	.....	.....	.....	.....	.....	4.82	+1.66	2.23	0	8	.....	.....	.....	.....	J. C. Stinson.
Woodbury, Lock 4‡	Butler	533	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ashland	Boyd	534	10	73.1	−3.0	93	1	52	5	26	5.43	+1.38	1.30	0	12	21	0	10	sw	Curtis Purvis.
Beattyville	Lee	650	23	75.8	−0.1	99	1	50	5	36	3.10	−1.66	0.66	0	12	16	9	6	w.	Robert S. Smallwood.
Berea	Madison	1070	25	*74.3	−1.8	92[a]	1	50[a]	5	32[a]	4.60	+0.01	2.40	0	10	7°	13°	8°	.....	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	17	.....	.....	.....	.....	.....	.....	.....	4.53	+0.69	0.90	0	10	.....	.....	.....	.....	Rudy Walden
Cynthiana	Harrison	684	9	.....	.....	.....	.....	.....	.....	.....	4.03	+0.32	1.00	0	9	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	38	.....	.....	.....	.....	.....	.....	.....	3.40	−0.35	0.77	0	9	20	7	4	se.	J. V. Oldham.
Farmers	Rowan	668	19	73.6	−1.1	95	1	45	6	36	3.72	−0.94	0.95	0	7	24	4	3	e.	Mrs. R. P. Stamper.
Flemingsburg	Fleming	841	2	.....	.....	.....	.....	.....	.....	.....	2.20	.....	0.60	0	7	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	11	.....	.....	.....	.....	.....	.....	.....	3.33	−1.38	1.49	0	12	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	2	.....	.....	.....	.....	.....	.....	.....	3.21	.....	0.80	0	12	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	7	.....	.....	.....	.....	.....	.....	.....	3.41	.....	1.45	0	11	.....	.....	.....	.....	T. Mitchell.
Hazard	Perry	869	3	.....	.....	.....	.....	.....	.....	.....	5.83	.....	2.20	0	10	.....	.....	.....	.....	Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	664	10	.....	.....	.....	.....	.....	.....	.....	3.78	.....	1.00	0	9	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	2	*75.2	.....	97°	28	50°	4	34°	6.25	.....	1.83	0	10	21°	4°	3°	sw.	Miss Lake Napier.
Jenkins	Letcher	1566	2	.....	.....	.....	.....	.....	.....	.....	4.81	.....	1.72	0	8	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	584	23	.....	.....	.....	.....	.....	.....	.....	4.97	+1.52	1.24	0	10	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	30	75.0	−1.8	97	1†	50	5	34	6.72	+2.42	2.00	0	12	12	10	9	s.	Perry E. Bennett
Middlesboro	Bell	1126	31	74.7	−0.1	98	1	47	5	44	2.79	2.58	0.65	0	8	19	12	0	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	37	74.4	+1.4	95	28	51	5	35	4.11	−0.95	1.34	0	11	17	6	8	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	5	.....	.....	.....	.....	.....	.....	.....	5.07	.....	2.10	0	8	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	686	21	.....	.....	.....	.....	.....	.....	.....	2.78	−1.34	0.52	0	9	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	2	.....	.....	.....	.....	.....	.....	.....	3.56	.....	1.14	0	12	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breath tt	732	2	76.0	.....	99	28	49	5	37	6.40	.....	1.30	0	9	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	691	9	.....	.....	.....	.....	.....	.....	.....	3.71	.....	1.09	0	8	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	36	75.9	0.8	94	28	54	5	29	2.64	−1.36	0.80	0	9	22	4	5	.....	J. W. Crooke.
Sergent	Letcher	1235	4	74.4	.....	93	1	55	6†	32	6.19	.....	3.42	0	10	21	8	2	sw.	R. P. Crawford.
Valley View, Lock 9	Madison	541	14	.....	.....	.....	.....	.....	.....	.....	2.59	−1.53	0.82	0	9	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	12	.....	.....	.....	.....	.....	.....	.....	3.72	−1.25	1.23	0	6	.....	.....	.....	.....	H. M. Fannin.
Wayland	Floyd	700	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitesburg	Letcher	1142	2	.....	.....	.....	.....	.....	.....	.....	2.44	.....	0.98	0	4	.....	.....	.....	.....	C. H. Zimmerman.
Williamsburg	Whitley	939	30	77.0	+0.3	97	1†	51	5	37	3.85	−1.44	1.49	0	8	24	7	0	.....	Lawrence R. Uhl.
Willow Lock 13	Lee	611	8	.....	.....	.....	.....	.....	.....	.....	3.45	.....	1.28	0	7	.....	.....	.....	.....	Shelby Angel.
State averages and extremes				75.7	−1.2	101	28	45	6	44	3.71	−0.46	3.70	0	9	17	9	5	sw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

§Lone Oak.

* Also on other dates.

† Precipitation is less than 0.01 inch rain or melted snow.

** Received too late to be included in means and summaries.

¶ Post-office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

July 27.—Two boys at work in the field near Winchester with a team of mules were struck by lightning. One boy and the mules were killed and the other boy was severely burned.

Errata for June, 1927.—Farmers, greatest rainfall in 24 hours should be 1.29, on 2d. Hindman, monthly mean temperature should be 70.0. Greensboro, clear days 17, cloudy 10. Paducah (near), monthly mean temperature should be 73.8; departure from normal temperatures −3.2.

Rivers.—The lower Ohio River continued to fall until the usual summer stages were reached. Pool stages prevailed generally in the upper Ohio and the other streams of the State.

Daily Precipitation for July, 1927.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ‖ ..... G			.33					.35		.05			.10		.41	.78		.22			1.15	.65							10	.73	.40	2.10
Blandville ..... M							.09																									
Calhoun ..... G		T.					T.			T.			.04	T.	.36	1.00				.02								.16	.31	.06	2.50
Carlington ‖ ..... G			.12				T.			.18				T.	.14	.42	.31					.16						.07		1.85	1.13	4.63
Greenville ..... G	.05									.05			.42		T	.15				.05		.30								.87	.18	2.82
Hopkinsville ‖ C						T.	.18									.23	.53	T.			.01	.21	.14							.56	.69	2.74
Marion ..... O		.50				T.				.25			.41	T.	.41	.96						.35										
Mayfield ..... M															1.20														1.65		4.56
Murray ‖ ..... T															T.	.31	.12			T.		T						T	1.82		3.65
Owensboro ‖ ..... O			.61			T.	T.						.19	.48	.45	.15				T.		.15						T.	1.56	.49	4.68
Paducah (near) ¶ ..... O															.46	1.00																
Paducah ‖ ..... O							.13						.25		.13	1.34						.31							1.25			2.70
Princeton ..... G		.10					.12			.15			.15	.03	.32	.95				T.		.27						.10	.58	.15	2.92
Rumsey, Lock No. 2 ‖ ..... G										.02				.03	.23	.26	.77					.09						.09	1.84	1.46	4.75
Russellville ‖ ..... G			.54				.07							.04			.22					.45	.34						.01	1.31	2.58
Central Division																																
Anchorage ..... O		T.	.04						.08	T.		.07	.24	.28	.33	T.												T.	.01	.48	3.34	4.87
Bardstown ‖ ..... S			1.75					.16					.04		.07	.17						.15								.66	.66	2.90
Bowling Green ‖ ..... G		.10						1.10						T.	.22	.30	T.						T						T.	.68		2.82
Bowling Green, No. 2 ‖ ..... G			.27					.55					T.	.02	.28	.19	.10					.04								.37		1.82
Brownsville, Lock No. 6 ‖ ..... G			1.46					.68					.11		.80	.55	.04											.35	.22		.57	4.66
Burnside ‖ C			.35				T.			.02			.18	T.	.58	.14	T.				.17	.47	.19							.03	.30	2.91
Carrollton ‖ (Lock No. 1) ..... K			.15							07					.29	.31	.55					.27	.03							.65	.68	3.58
Cloverport ‖ ..... O			T.				T.						.09	.51	.33	1.11					.17	.66							.97			4.32
Cold Spring, Dam 36 ‖ ..... O			1.07				T.			T.			T.		.32	.15	.82	.30				.16	T.					.10	.02	.07	3.25	6.36
Dubank C		28	.04					.33							.18		.28	.08				T.	.30					T.		.21	1.20	2.62
Frankfort ‖ ..... K			1.22				T.			.20			.15	.03	T.	.30						T.	.28					.05		.16	.42	2.05
Franklin ..... G		.34	.16				.56										.72	.38										.49	T.	T.	1.28	3.28
Frost, Lock No. 3 ‖ ..... K			.88					T.					.14	.17	T.	.10	.50					.35	.74					.49		1.16		4.49
Glasgow ..... G																													.03	.03	1.38	3.58
Grant, Dam 38 ‖ ..... O			.18												.42	.84	.05															
Greensburg ‖ ..... G			.98					.01					T.		.37	.33	T.					.15								.06	1.02	2.22
High Bridge, Lock No. 7 ‖ ..... K			.28					.30		.04					.63	.02							.78							.32	1.15	3.94
Irvington ..... O		.18				T.									.15	.58	.31	.25				.42								.09	.52	2.50
Junction City ..... K	.01	.10				.50						.52	.11	T.	.62	.06			T.	T.	.51							T.	.17	.48	.35	3.00
Lancaster ..... K		1.38					.15			.16			.16	.59	.65	1.10						.20				.05				.52	.02	3.90
Leitchfield ..... G	.46					T.		T.			.35	.04	T.	1.71					.71			T						.09	.14	.45	5.18
Lexington *** ..... K	.23	.01				.15		.29	.09	T.		.49	.09	.01	.01					T.		T.						.11	.82	.25	4.45
Little Hickman, Lock No. 8 ‖ ..... K		.19					.21		.18				.18	T.	T.					T.	T.	.33					.34	.09	1.12	.37	2.95
Lockport, Lock No. 2 ‖ ..... K	.92					T.		.02			.31	.05	.10	.03	.23													.34	.22	.69	2.34
LOUISVILLE *** ..... O	T.					T.		T.		T.	T.	.44	.25	.35						.10								.08	.07	.68		2.59
Do. (Cherokee Park) ..... O	T.	.04				T.					T.	.52	.19	1.19							.04							.33	.09	1.93	.24	4.27
Munfordville ‖ ..... G		.37										.08			.32													.66	.71	2.16	4.81
Mount John ..... S		.48						.12				.65	.03	.53	.58						.05							.21	.16	.63	3.44
Olivia, Lock No 6 ‖ ..... K		T.								.15		.17	.22	.22							.22								.25	.90	2.18
Olott L	.13					T.						.31	.15	.91	.16				T.		.30						T.	.06	.40	2.00	1.60	6.02
Shelbyville ‖ ..... S						T.	.28					T.	.35	.02	.06	.26					.78								.01	3.70	5.46
Taylorsville ..... S	.07	.39				.14						1.28	.20	.08	.06							T.						T.	.01	.28	.88	3.39
Tarrone, Lock No. 5 ..... K	.39					.05			.15				.66	.02	.03															.89	.90	3.08
Williamstown ‖ L		.46					.02		.05				.07		.33	.03					.10							.01	.09	.65	1.81
Woodbury, Lock No. 4 ‖ ..... G		T.					.28						.28		1.38	.23	.01			T.	T.							.35	.06	2.23	4.82
Eastern Division																																
Ashland ‖ ..... O	.39	.53					.12								.87	.30	.52	1.30			.06	.02	.10							.19	1.03	5.43
Beattyville ‖ ..... K		.66					.04			.01			.02	.46	.08	.34	.33			T.	.30	.14						T.		.42	.21	3.10
Berea ..... K	.11					.28							.13	.07	T.	T.			.38	T.	2.40	.06						.17		.48	.52	4.60
Cauthuma ‖ L		1.55				T.	.03			.42			.03	.16	.04	.12	.14		T.		T.	.75	.80							.10	.90	4.53
Edmouth ‖ L		.15											.20		.43	.22					.77	.77							T.	1.90	4.03
Farmers ‖ L			.40				.14	.64					T.	.95		.22												.06	.12	.68	3.40
Hemingsburg ‖ L	.28					.22							.25	.15		.55					.60							.62		.75	3.72
Ford, Lock No. 10 ‖ ..... K		.07				T.	.04			.18			T.	.49	.05	.01	.31				.10	.05	T						.15			2.20
Grayson ‖ ..... O		.82								.08	.13			.13	.38	.03	.23	.05			.10	.31						T.	1.49	.32	.24	3.33
Greenup, Dam 30 ‖ ..... O	.01	.71					.20							.48	.02	.02				.04	.16	.18								.51	.47	3.24
Hazard ‖ ..... K		2.17	T.				.04						.07	2.20	.40	.23	.08				.75	.06								.14	1.45	3.41
Heidelberg, Lock No. 14 ‖ ..... K		.71											.04	.17		.36	.40				1.00	.26								.22	.86	5.83
Jackman ..... K	.88	1.73				.23								1.83	.15	.20				.05			.43							.61	.23	3.78
Jenkins ‖ ..... K	.75	1.72					.45							.09	1.07	.77														.10	.74	.34	6.25
Louisa ‖ ..... B		1.24						.24						.44	.05	.34	.93			.07		.35								.03			4.81
Lewisville ‖ ..... O	.15	.18					.70			.02			.12	T.	.45	.49					1.50	2.00								.21	1.06	4.97
Middlesboro C	.59											.12	.32		.30	.65						.41						.02	.02	1.07	6.72
Mount Sterling ‖ L		.44					.03			.37			.40	.15	.55	.13					1.34	T.					.18	.05	.21	.35	2.79
Peconta Dam 35 ‖ ..... O		.62										T.	.28	.08	.87	.54													.21	.31	4.11
Pikeville ‖ ..... B	.10	.52					.24					T.	.38	.46	.38	.12					.06								.52	2.10	5.07
Prestonsburg ‖ ..... B	.12	1.14	.16				.10			.08			.21	.10	.38	.75						T.							.46	.12	2.78
Quicksand ‖ ..... K		.60								.30			.90	.80	.55	1.80						.10							.10	.37	3.56
Ravenna, Lock No. 12 ‖ ..... K	T.	.91					.08			T.			.12	1.05	.07	.16	T.			T.		.62							.48	.85	6.40
Richmond ‖ ..... K		T.					.07			.21				.09	.09	.02	T.					.62	.80				T.	T.	.08	.70	3.71
Sargent ..... K	.05	3.42	.02			.02									.59	.40	.48						.46						.50		.25	6.19
Valley View, Lock No. 9 ‖ ..... K	.30					.15						.25			.10	.08						.30						.44	.82	.15	2.59
Vanceburg, Dam No. 32 ‖ ..... K																.30				.57	.27	1.17										
Wayland ‖ ..... B																													.18	1.23	3.72	
Whitesburg ‖ ..... K		.98													.75	.51																
Williamsburg ‖ C		.60																													.20	2.44
Willow, Lock No. 13 ‖ ..... K		1.28									.25		.14		.10	.30	1.48				.19	.78		.24							T.	3.85
													.09	.32	.44	.58															.48	3.43

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Long Oak.

Daily Temperatures for July, 1927.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.	Maximum	96	91	84	81	86	93	88	84	86	91	93	94	96	96	92	92	92	88	91	94	92	89	80	84	90	92	96	98	96	79	83	89.9
Beaver Dam	Minimum	70	70	60	54	53	61	67	66	52	58	62	64	69	69	72	71	72	62	61	65	65	70	62	56	67	60	65	67	68	69	70	64.4
Blandville	Maximum	98	85	82	80	84	87	89	81	83	91	92	92	91	89	84	85	87	87	87	83	88	87	77	81	84	85	91	93	83	80	84	86.0
	Minimum	74	71	62	56	59	62	65	64	57	64	67	70	70	68	70	69	76	68	66	64	71	72	60	60	60	62	68	72	73	70	71	66.5
Calhoun	Maximum	95	91	85	82	87	89	90	85	88	92	94	96	94	93	90	84	90	88	92	91	94	91	83	84	90	91	94	96	92	77	86	89.5
	Minimum	69	70	61	54	54	63	71	65	54	59	63	66	70	69	69	68	72	64	64	67	69	69	61	60	61	67	73	69	70	70	68	65.5
Earlington	Maximum	97	86	84	83	84	90	90	85	89	90	94	97	95	94	86	86	90	87	90	92	94	86	81	83	87	91	95	97	94	78	85	89.0
	Minimum	69	72	61	56	54	60	70	64	51	58	62	64	75	72	71	68	65	63	61	64	69	70	61	56	66	59	63	69	70	70	71	64.3
Greenville	Maximum	95	85	82	79	88	80	90	89	87	85	89	94	94	89	80	79	...	89	89	89	85	88	77	79	87	89	89	88	90	85	86	*86.3
	Minimum	67	69	61	54	51	59	68	64	52	55	60	62	68	67	71	69	...	63	59	63	65	68	62	54	54	57	63	65	60	68	69	*62.2
Hopkinsville	Maximum	100	90	86	84	90	91	90	94	93	93	96	97	89	88	92	89	92	93	98	96	92	82	87	90	94	97	98	96	83	86	89	91.4
	Minimum	69	70	62	56	55	59	69	63	54	57	62	62	68	69	73	70	69	64	60	63	63	69	59	57	56	59	64	66	68	69	68	63.6
Marion	Maximum	69	69	60	54	57	60	64	60	68	59	61	61	68	67	68	67	71	64	63	65	65	67	59	61	57	59	66	68	68	67	68	63.9
	Minimum	71	69	60	54	55	62	65	64	52	63	62	66	70	69	70	68	73	66	63	65	70	70	60	57	57	60	66	73	72	79	71	65.2
Mayfield	Maximum	96	88	86	88	89	92	90	88	92	94	97	100	95	94	90	90	90	90	90	87	94	87	83	85	89	90	95	96	96	78	83	90.4
	Minimum	71	69	60	54	55	62	65	64	52	63	62	66	70	69	70	68	73	66	63	65	70	70	60	57	57	60	66	73	72	79	71	65.2
Paducah (near)	Maximum	96	88	86	88	89	92	90	88	92	94	97	100	95	94	90	90	90	90	90	87	94	87	83	85	89	90	95	96	96	78	83	90.4
	Minimum	71	69	60	54	55	62	65	64	52	63	62	66	70	69	70	68	73	66	63	65	70	70	60	57	57	60	66	73	72	79	71	65.2
Princeton	Maximum	93	86	82	80	83	86	81	78	84	83	82	87	87	92	88	83	82	80	85	86	88	83	78	77	84	82	91	94	90	78	83	84.1
	Minimum	69	70	63	56	55	59	65	63	56	59	63	64	69	68	69	67	71	65	62	64	68	68	58	57	57	59	65	69	69	68	67	63.8
Russellville§§	Maximum	97	92	82	78	82	88	88	83	86	87	90	95	93	90	85	86	85	84	87	90	91	88	82	86	88	89	94	97	91	77	86	87.6
	Minimum	69	71	63	56	53	58	65	64	54	57	63	63	69	69	72	70	70	65	69	63	66	70	61	59	61	57	59	65	69	66	68	63.8
Central Division.	Maximum	97	92	82	78	82	88	88	83	86	87	90	95	93	90	85	86	85	84	87	90	91	88	82	86	88	89	94	97	91	77	86	87.6
Anchorage	Minimum	68	70	58	50	50	56	63	59	52	55	59	62	65	68	68	69	68	58	60	58	66	68	62	53	56	58	60	63	68	68	68	61.2
Bardstown	Maximum	96	94	81	78	84	89	83	81	88	89	91	95	94	94	89	90	90	85	89	90	94	88	83	86	90	91	93	98	95	80	84	88.7
	Minimum	70	71	60	55	51	57	67	61	55	57	61	67	66	68	71	69	69	61	66	68	71	69	61	56	55	56	59	62	66	68	69	63.3
Bowling Green	Maximum	100	95	89	84	89	94	85	85	92	94	97	97	98	96	91	89	94	91	96	96	97	92	85	88	91	95	97	101	99	87	89	92.6
	Minimum	73	76	73	65	55	65	59	65	57	59	64	65	69	70	71	70	72	65	62	62	68	71	65	59	58	60	61	69	70	70	70	65.5
Dix Dam	Maximum	94	96	92	81	75	82	88	82	80	88	87	89	90	92	94	89	90	87	84	87	90	92	86	78	84	86	87	91	96	93	81	87.5
	Minimum	67	73	64	56	52	59	69	60	54	58	63	63	65	67	68	66	69	63	59	60	64	72	64	55	56	58	61	65	68	68	70	68.1
Eubank	Maximum	94	94	87	87	87	88	85	85	87	87	87	90	94	92	91	87	88	88	88	87	91	91	90	89	88	87	91	90	94	93	93	91	89.2
	Minimum	67	67	67	58	52	56	71	63	54	58	62	61	66	68	67	65	67	65	55	59	64	71	64	52	54	55	59	68	66	68	68	62.5
Frankfort	Maximum	95	93	82	79	80	89	86	82	84	88	87	92	93	91	86	89	88	85	89	90	92	90	87	83	86	90	92	95	94	83	82	87.8
	Minimum	69	72	64	58	54	59	66	60	56	58	63	64	67	70	71	69	71	62	63	61	67	73	66	67	60	62	63	67	69	72	71	65.0
Franklin	Maximum	98	91	87	81	87	88	84	81	86	88	91	93	93	94	91	88	91	88	89	86	92	89	81	83	89	90	91	95	94	82	82	88.4
	Minimum	69	74	65	65	67	73	72	71	66	69	73	76	76	77	72	73	74	76	75	72	77	72	66	65	66	70	74	76	75	72	72	71.6
Glasgow	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Greensburg	Maximum	97	93	83	78	84	79	78	73	89	85	93	94	94	95	92	92	89	89	91	92	95	87	83	88	87	92	92	99	96	84	86	88.2
	Minimum	67	67	60	54	48	56	67	61	51	66	59	60	66	66	68	64	65	61	56	65	65	71	63	54	54	55	58	63	64	66	67	61.5
Irvington	Maximum	93	88	85	77	85	85	86	81	83	87	88	92	92	90	86	85	87	83	86	87	89	84	79	82	84	86	90	92	90	77	85	85.9
	Minimum	70	72	65	55	54	62	70	64	55	59	63	66	71	70	72	70	70	63	64	67	69	69	63	59	60	63	65	68	78	69	70	65.5
Junction City	Maximum	97	95	83	78	84	96	81	82	89	93	96	94	95	97	91	90	89	89	91	91	94	87	82	85	85	91	95	97	95	90	83	89.2
	Minimum	67	70	62	53	49	54	67	61	54	55	62	60	63	69	67	62	69	55	57	61	70	63	53	52	54	53	68	68	65	67	73	61.5
Leitchfield	Maximum	96	91	82	77	83	89	86	82	87	90	91	94	93	91	85	88	89	82	89	91	91	86	78	81	88	90	91	96	98	78	88	87.5
	Minimum	72	70	60	55	53	61	68	64	55	66	63	65	64	68	72	70	71	63	64	64	78	67	63	58	58	60	64	68	71	69	69	64.7
Lexington	Maximum	93	89	77	72	79	85	81	77	85	85	86	92	90	87	83	87	85	80	85	88	89	84	76	81	84	86	89	95	91	78	78	84.4
	Minimum	77	67	62	57	55	63	67	58	58	65	65	72	71	68	69	68	66	62	67	64	70	68	63	62	66	67	70	72	71	68	70	66.0
Louisville	Maximum	95	88	80	78	81	87	87	80	85	86	90	94	91	86	84	83	88	83	88	87	88	90	84	86	80	83	85	87	90	93	88	85.9
	Minimum	74	72	63	56	57	66	73	63	58	62	64	70	74	69	71	69	70	64	68	66	73	66	63	64	65	67	69	66	72	70	71	66.9
Do. (Cherokee Park)	Maximum	89	89	79	79	76	84	85	84	81	84	84	89	90	89	82	82	85	84	83	85	87	87	84	86	81	84	88	90	86	76	81	84.2
	Minimum	76	73	62	54	54	60	70	60	56	58	62	66	69	69	69	69	69	70	61	63	69	70	63	59	61	62	63	66	70	69	69	64.5
St. John	Maximum	89	94	80	...	...	...	...	84	85	87	89	92	92	90	88	88	88	83	89	90	91	88	79	82	86	89	91	93	93	78	83	§87.4
	Minimum	67	69	58	52	52	...	...	...	52	54	58	61	64	67	70	68	69	60	60	64	65	68	62	55	55	57	60	64	66	67	68	§62.2
Scott	Maximum	92	84	79	71	76	85	84	76	81	85	86	91	91	86	83	83	84	81	84	85	88	83	79	81	83	85	88	92	88	77	82	83.6
	Minimum	68	70	62	55	53	60	67	56	56	57	59	64	64	64	67	70	68	56	63	62	64	67	63	55	53	57	63	67	68	69	69	62.5
Shelbyville	Maximum	96	91	82	76	80	88	84	81	86	86	89	93	93	88	86	88	88	84	89	90	92	86	80	80	83	85	87	90	93	78	83	87.2
	Minimum	65	69	58	57	48	54	61	56	51	52	59	60	63	62	71	67	69	55	58	58	64	65	61	53	55	57	59	64	66	68	68	60.4
Taylorsville	Maximum	93	90	81	75	84	87	83	81	88	90	93	91	89	81	85	85	84	87	89	90	92	86	80	83	85	88	89	94	90	78	81	86.0
	Minimum	68	71	61	54	52	57	64	62	53	55	61	63	64	68	68	69	70	61	71	60	68	72	64	65	56	67	68	67	68	69	71	64.1
Williamstown	Maximum	95	92	82	76	80	87	86	80	86	88	89	94	94	88	87	87	88	84	87	89	93	87	81	84	85	89	93	97	92	80	84	87.2
	Minimum	72	71	61	53	52	60	68	55	56	61	60	67	69	69	68	69	69	60	62	63	64	70	63	56	64	63	64	68	70	69	69	64.0
Eastern Division.	Maximum	93	91	77	77	74	82	81	78	82	86	86	86	87	87	75	82	78	80	81	81	80	80	80	79	78	85	85	83	87	75	75	81.6
Ashland	Minimum	72	69	64	56	52	56	69	59	57	62	68	67	67	70	68	67	68	65	60	64	62	71	66	59	59	62	63	67	71	70	70	64.6
Beattyville	Maximum	99	95	87	77	82	90	85	81	89	92	92	95	95	92	90	89	91	89	89	90	93	81	81	85	86	90	92	97	96	86	84	89.0
	Minimum	67	69	67	57	50	54	67	62	55	63	63	64	65	68	65	65	67	68	57	64	64	63	55	54	55	57	60	65	65	67	68	*62.6
Berea	Maximum	92	90	80	74	79	87	81	78	...	85	87	90	91	91	90	89	88	84	88	88	91	82	76	80	82	86	86	91	81	83	81	*85.0
	Minimum	67	66	68	57	59	62	67	61	...	63	65	67	72	69	70	68	65	69	56	70	60	63	66	64	55	56	56	65	70	68	68	*63.6
Farmers	Maximum	97	90	88	83	87	88	89	86	88	85	88	90	90	92	92	90	88	87	85	82	89	92	88	83	85	84	88	91	93	90	88	87.8
	Minimum	65	66	67	76	50	45	51	62	55	50	59	63	60	62	65	62	64	51	54	58	59	65	64	62	53	55	67	60	61	56	67	59.8
Hindman	Maximum	...	95	84	78	84	89	86	78	85	88	90	90	92	92	91	90	89	86	...	...	92	83	80	83	86	90	90	97	91	89	82	§87.5
	Minimum	...	68	66	50	61	55	65	64	57	62	62	63	65	65	64	64	67	68	...	...	60	72	62	55	55	61	60	70	63	67	68	§62.8
Maysville	Maximum	96	90	86	79	74	89	87	78	85	88	90	93	93	92	88	92	97	94	85	89	91	86	80	82	85	87	91	95	90	82	82	88.1
	Minimum	68	70	64	52	50	55	63	54	53	61	60	62	65	67	67	68	67	57	57	60	61	68	65	56	58	60	61	64	66	68	69	61.8
Middlesboro	Maximum	98	93	88	82	91	89	88	85	85	82	88	89	94	90	87	91	92	87	88	90	92	89	82	83	91	92	90	92	95	92	90	89.8
	Minimum	74	72	64	61	47	58	65	57	56	61	56	60	60	61	65	61	64	65	56	57	59	63	58	53	54	57	55	58	61	62	63	60.1
Mount Sterling	Maximum	94	92	80	73	77	90	84	79	84	88	90	93	94	90	90	89	91	88	85	91	91	88	83	86	88	89	90	95	94	83	81	87.6
	Minimum	68	71	64	57	51	55	67	57	56	60	61	62	67	66	68	64	66	64	57	60	62	67	63	53	57	57	63	66	61	67	67	62.0
Quicksand	Maximum	95	95	86	76	85	92	88	82	87	89	91	96	96	79	90	90	90	90	87	89	90	93	82	86	86	89	90	99	95	89	83	88.7
	Minimum	70	70	60	58	49	55	66	62	55	64	62	65	65	68	65	65	68	68	60	62	61	67	66	57	57	58	60	63	64	64	70	63.2
Richmond	Maximum	93	91	76	73	81	87	80	82	85	85	89	93	92	91	87	90	89	87	87	88	92	84	86	86	89	91	92	96	92	80	80	86.8
	Minimum	72	73	66	58	54	62	70	60	56	64	63	67	72	70	69	67	68	65	65	64	67	68	65	58	60	61	65	69	71	79	68	65.5
Sergent	Maximum	93	91	83	81	80	87	85	78	82	85	88	91	91	91	92	88	88	85	85	87	89	82	79	80	83	87	88	91	88	81	86	86.1
	Minimum	69	70	57	62	57	55	66	65	59	63	61	63	61	66	64	65	68	64	64	61	61	64	65	55	56	60	60	62	63	69	71	62.7
Williamsburg	Maximum	97	95	85	80	87	94	89	94	90	96	92	95	96	97	95	94	92	89	89	91	91	88	82	86	88	90	91	97	95	91	91	91.2
	Minimum	67	68	67	60	51	57	66	61	57	64	61	64	66	65	69	61	66	68	59	61	64	69	66	56	55	59	58	64	64	68	69	62.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville. 7-29-27 1000

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXII LOUISVILLE, KY., AUGUST, 1927. No. 8

GENERAL SUMMARY.

The month was one of the coolest of the name on record. he effect of the low temperature was especially serious because the lateness of the staple crops, a large proportion of which nged from two weeks to a month behind the usual stage of velopment. Normal temperatures in the second week vored growth, otherwise low maxima, cold nights, and cloudi- ss were persistently detrimental. Late corn that could arcely be expected to ripen under seasonable conditions, was rther retarded and its maturity rendered unlikely. Under mperature conditions so adverse for corn, the prevailing dry ather was rather favorable than otherwise. Early corn was w in earing, while late corn grew and tasseled unevenly, the aracter of soil playing an exceptionally important part in the e of growth. Late corn on cold, close soils made exceedingly w progress, while the crop on the warm limestone soils of e eastern and south-central counties made fairly good progress spite the cool weather. Although tobacco was also retarded the low temperature, it is probable that lack of moisture s most potent in delaying this crop. Early tobacco developed evenly, making complete topping difficult. The irregularity growth was even more marked in late tobacco. Its slow wth and small size led farmers to put off topping, which had been completed at the end of the month. Early tobacco ened very slowly, and there was but little cutting. Except warm, dry slopes, pastures continued generally good, the ual late summer tendency to dry up being checked by the normal weather. Late white and sweet potatoes made a good rt, but needed additional moisture. Field tomatoes showed effect of the weather in slow fruiting and ripening. Gardens d truck yielded less than usual, although the plants remained althy. In the cotton district there was more sunshine, also d showers occurred in the third week; hence the crop made newhat better progress than would be expected under such mperature conditions. At the end of the month there was at need of rain and a relatively long period of high temp- ture to bring the late crops to anything like satisfactory turity.

TEMPERATURE.

The temperature for the State, based on reports from 44 sta- ns, averaged 71.1°, which is 4.5° below normal; and with exception of August, 1889, the lowest of record. It was y slightly lower, however, than the average for August, 5. Normal temperatures were registered on a few days in first half of the month, but in the last two weeks daily ans ranged generally from 2° to 13° below normal. In this iod minima below 50° were recorded on several days at ny stations. The extremes were 97° at Hopkinsville on the h and 43° at Murray on the 26th.

PRECIPITATION.

Precipitation for the State, 80 stations reporting, averaged 8 inches, which is 0.83 inch less than normal. It was very gularly distributed, but in general it increased from about inch in the western counties to about 5.0 inches in the east- . In the western and central districts it ranged from 1.0 .0 inches, while in the northeastern, eastern, and southeast- counties from 4.0 to 5.0 inches occurred. Light to heavy wers occurred in the periods 1st-4th, 8-9th, and 17-25th. The rains of the 14-15th were fairly general in all except the Purchase. The extremes for the State were 0.74 inch at Greenville and 6.04 inches at Flemingsburg. Few thunder- storms occurred, and these were rarely attended by damage.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour.	Direction	Date.
Cairo ..... Ill.	30.01	30.27	26	29.64	17	4626	6.2	35	n.	13
Cincinnati ..... Ohio	30.03	30.28	26	29.75	17	5017	6.7	19	ne.	25
Evansville..... Ind.	30.04	30.30	26	29.82	17	4059	5.2	30	nw.	13
Lexington ..... Ky.	30.02	30.28	5	29.75	17	7047	9.5	30	w.	5
Louisville ..... Ky.	30.03	30.26	25	29.80	17	5757	7.7	29	nw	13

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	86	60	68	321.8	426.0	76	17	0
Cincinnati ..... Ohio.	82	58	65	301.3	423.5	71	19	4
Evansville..... Ind.	80	53	62	285.7	421.7	68	12	3
Lexington ..... Ky.	82	70	..	241.6	421.7	57	9	7
Louisville ..... Ky.	82	55	63	319.7	421.7	76	19	2

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1892...	70.6	−5.0	100	43	1.23	−2.38	..	..	..	..	..
1900...	73.2	−2.4	101	44	6.16	+2.45	..	..	..	..	..
1901...	72.9	−2.7	105	45	5.82	+2.11	..	..	..	..	..
1902...	73.4	−2.2	96	45	3.13	−0.58	..	..	..	..	..
1903...	73.8	−1.8	99	48	1.72	−1.99	..	..	..	..	..
1904...	77.1	+1.5	105	49	3.62	−0.09	6	..	..	..	..
1905...	76.6	+1.0	102	49	2.15	−1.56	6	16	10	4	0
1906...	77.1	+1.5	105	41	2.83	−0.88	9	19	8	4	0
1907...	77.2	+1.6	101	49	2.33	−1.38	7	18	10	3	0
1908...	76.7	+1.1	100	55	3.83	+0.12	6	18	10	3	0
1909...	76.1	+2.5	102	51	3.09	−0.62	6	16	11	4	0
1910...	80.4	+4.8	104	52	2.74	−0.97	12	19	10	2	0
1911...	75.5	−0.1	101	50	5.12	+1.41	7	12	9	10	0
1912...	75.6	0.0	103	45	2.48	−1.23	8	16	10	5	0
1913...	75.5	−0.1	100	49	3.27	−0.44	8	15	11	5	0
1914...	75.2	−0.4	100	45	2.64	−1.07	8	18	8	5	0
1915...	75.7	+0.1	99	42	3.82	+0.11	10	16	8	7	0
1916...	77.4	+1.8	99	45	4.37	+0.66	10	18	9	4	0
1917...	74.8	−0.8	99	48	4.27	+0.56	6	18	7	6	0
1918...	76.3	+0.7	104	49	2.59	−0.92	7	16	8	7	0
1919...	76.9	+1.3	104	45	2.60	−1.11	6	19	8	4	0
1920...	74.0	−1.6	100	46	2.72	−0.99	10	18	7	6	0
1921...	76.2	+0.6	106	45	4.03	+0.32	13	13	7	11	0
1922...	73.7	−1.9	98	43	4.71	+1.00	7	14	8	9	0
1923...	78.0	+2.4	108	44	2.84	−0.80	12	16	9	6	0
1924...	76.0	+0.4	100	49	5.94	+2.23	14	13	8	10	0
1925...	71.3	−4.3	100	42	6.29	+2.58	9	9	10	12	0
1926...	77.0	+1.4	101	47	4.25	+0.54	8	11	10	7	0
1927...	73.9	−1.7	100	42	3.49	−0.22	7	16	8	7	0
1928...	80.2	+4.6	111	50	3.18	−0.53	8	17	9	5	0
1919...	75.0	−0.6	104	47	3.49	−0.22	13	17	8	6	0
1920...	73.4	−2.2	98	43	5.80	+2.09	16	10	10	11	0
1921...	76.0	+0.4	101	48	5.58	+1.87	6	16	9	6	0
1922...	76.2	−0.4	101	47	2.43	−1.28	12	16	9	6	0
1923...	75.4	−0.2	99	48	6.03	+3.32	12	13	10	8	0
1924...	76.5	+0.9	104	43	3.00	−0.71	7	21	8	4	0
1925...	76.5	+0.9	106	44	1.47	−2.24	5	21	7	3	0
1926...	77.3	+1.7	101	51	7.51	+3.80	14	12	10	9	0
1927...	71.1	−4.5	97	43	2.83	−0.88	8	16	8	7	0

Climatological Data for August, 1927.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	23	72.4	−4.0	95	13	47	25†	37	2.41	−0.90	1.12	0	9	21	0	10	s.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	45	71.8	−5.0	90	13	52	25†	26	0.80	−2.34	0.50	0	7	9	15	7	sw.	E. W. Horr.
Bandville	McLean	437	23	72.6	−4.8	92	12	51	25	34	1.03	−2.12	0.47	0	7	23	3	5	sw.	W. A. Taylor.
Calhoun	Hopkins	420	37	72.6	−4.5	95	13	47	26	41	1.03	−2.12	0.47	0	4	20[b]	9[b]	0[b]	s.	Brick Southworth.
Earlington	Hopkins	519	10	71.4	−5.8	95[b]	13	44[b]	25	37[b]	0.74	−8.52	0.40	0	4	19	8	4	se.	C. R. Lovell.
Greenville	Muhlenburg	524	31	73.9	−4.0	97	13	49	26	37	2.23	−1.21	2.06	0	8	19	11	5	nw.	W. E. Graves.
Hopkinsville	Christian	571	29	72.7	−5.8	90	13	52	25†	37	1.15	−2.07	0.31	0	5	15	11	5	nw.	B. C. Paris.
Marion	Crittenden	364	18	73.5	−3.8	92*	31	51*	25*	33*	1.89	−1.68	0.47	0	5	7*	20*	3*	nw.	Mrs. C. R. Sowell.
Mayfield	Graves	412	1	72.7	.....	94	13	43	26	40	1.05	.....	0.47	0	4	15	12	4	s.	Harry B. Arnold
Murray	Calloway	479	30	70.8	−5.5	90	13	50	21	37	0.82	−2.54	0.36	0	7	19	3	9	nw.	Henry S. Berry.
Owensboro	Daviess	516	10	73.0	−6.2	94	13	45	25	35	2.96	−1.90	1.55	0	4	18	8	5	se.	J. W. Lilley
Paducah (near)§	McCracken	341	28	.....	.....	.....	.....	.....	.....	.....	3.15	−0.13	1.53	0	4	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	529	20	70.8	−6.9	91	13	50	25	31	2.11	−1.21	0.92	0	8	14	8	9	n.	Dr. W. L. Cash.
Princeton	Caldwell	384	10	.....	.....	.....	.....	.....	.....	.....	1.89	−2.40	0.75	0	8	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2 ‡	McLean	390	16	71.5	−6.2	94†	12†	47*	26	34*	.....	.....	.....	0	.....	18*	2*	4*	.....	Wm. Shelton.
Russellville	Logan																			
Central Division.																				
Anchorage	Jefferson	700	26	69.7	−5.0	90	7†	47	28	35	2.50	−1.39	1.36	0	9	19	5	7	ne.	C. E. Barret.
Bardstown	Nelson	637	30	71.3	−5.7	95	13	47	25	38	1.89	−1.84	0.82	0	8	17	1	13	ne.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	38	76.1	−2.2	95	7	56	20†	33	1.91	−1.86	0.80	0	5	15*	12*	3*	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	2	.....	.....	.....	.....	.....	.....	.....	2.79	.....	0.93	0	7	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	10	.....	.....	.....	.....	.....	.....	.....	2.15	−1.95	0.84	0	10	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	778	36	.....	.....	.....	.....	.....	.....	.....	3.96	.....	2.44	0	7	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	28	.....	.....	.....	.....	.....	.....	.....	4.33	+1.51	1.52	0	9	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	13	.....	.....	.....	.....	.....	.....	.....	1.36	−2.46	0.41	0	9	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 86	Campbell	489	1	.....	.....	.....	.....	.....	.....	.....	3.80	.....	1.35	0	11	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	3	74.4	.....	92	14	48	25	36	2.04	.....	0.49	0	9	17	2	12	se.	G. D. Glass.
Eubank	Pulaski	560	85	70.6	−4.4	92	7	50	25†	30	2.19	−2.15	0.67	0	6	10	16	5	n	Mrs. Katie Payne.
Frankfort	Franklin	691	32	76.6	−0.2	93	12	57	25	24	3.16	−0.52	0.60	0	9	18	2	11	w.	Sidney Wood.
Franklin	Simpson	449	16	.....	6	.....	.....	.....	.....	.....	1.26	−2.28	0.44	0	4	22	9	0	se.	M. E. Johnson.
Gest, Lock 8	Henry	780	6	.....	.....	.....	.....	.....	.....	.....	4.59	+0.66	1.05	0	9	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	506	2	.....	.....	.....	.....	.....	.....	.....	1.85	.....	1.20	0	4	22	3	6	s.	Dr. Fidella Edwards.
Grant, Dam 38	Boone	581	34	70.6	−4.7	94	13	44	26	43	3.07	.....	0.97	0	10	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	550	26	.....	.....	.....	.....	.....	.....	.....	2.07	−1.83	1.14	0	10	7	2	22	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	646	29	70.6	−5.5	90	7†	50	20	31	1.63	−2.42	0.72	0	9	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	465	33	70.8	−3.7	93	13	47	27	40	1.03	−2.44	0.31	0	5	17	7	7	sw	W. J. Piggott.
Junction City	Boyle	1032	1	.....	.....	.....	.....	.....	.....	.....	2.55	−1.00	0.90	0	11	19	7	5	s.	William E. Grubbs.
Lancaster	Garrard	635	31	71.4	−4.2	92	13	51	20†	34	1.46	.....	0.78	0	6	.....	.....	.....	.....	L. J. Vanhook.
Letcherfield	Grayson	989	43	69.4	−5.1	88	13	52	26	23	1.94	−1.95	0.40	0	7	11	14	3	nw.	H. H. Willis.
Lexington	Fayette	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.09	−1.48	1.24	0	9	17	6	8	e.	U. S. Weather Bureau.
Littlefickman, Lock 8¶	Jessamine	523	16	.....	.....	.....	.....	.....	.....	.....	2.10	−2.57	0.53	0	8	.....	.....	.....	.....	Horace Center.
Lockport, Lock 2	Henry	476	17	.....	.....	.....	.....	.....	.....	.....	3.77	−0.89	1.12	0	10	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	54	70.8	−6.2	89	7	54	25	27	2.92	−0.59	1.61	0	8	13	10	8	n.	U. S. Weather Bureau.
Do. Cherokee Park	Do.	534	17	69.1	−5.6	87	7	50	26	27	2.70	−1.26	1.78	0	7	16	10	5	ne.	Wm. I. Hunt.
Munfordville	Hart	600	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. R. Richardson.
St. John	Hardin	777	31	69.6	−5.3	91	13	47	20†	40	2.30	−1.55	0.81	0	8	21	0	10	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	490	13	.....	.....	.....	.....	.....	.....	.....	2.77	−0.71	0.70	0	8	.....	.....	.....	.....	Ernest M. Searcy.
Scott¶	Kenton	900	29	67.2	−7.6	88	7	48	25	29	3.04	−0.23	1.54	0	7	9	13	9	ne.	E. B. Wilson.
Shelbyville	Shelby	825	38	68.6	−6.9	91	7	45	28	37	3.06	−0.30	0.61	0	13	15	9	7	n.	Miss Ruth Ratta.
Taylorsville	Spencer	489	25	69.6	−4.7	90	7	48	25	34	2.76	−1.11	0.91	0	7	18	5	8	n.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	526	9	.....	.....	.....	.....	.....	.....	.....	2.34	.....	0.87	0	6	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	24	68.8	−5.4	90	7	51	16	31	3.96	−0.23	1.05	0	10	12	10	9	nw	Mrs. E. S. Hunnicutt.
Woodbury, Lock 4 ‡	Butler	633	10	.....	.....	.....	.....	.....	.....	.....	1.74	−2.76	0.61	0	8	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	10	68.6	−6.9	87	8	49	25	28	5.79	+1.52	1.92	0	13	14	0	17	ne.	Curtis Purvis.
Beattyville	Lee	650	23	71.0	−4.1	95	7	51	25†	37	2.83	−1.65	1.51	0	8	11	7	13	w.	Robert S. Smallwood.
Berea	Madison	1070	25	69.8	−4.6	90	13	46	26	31	1.85	−2.78	0.65	0	5	10	16	5	nw	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	17	.....	.....	.....	.....	.....	.....	.....	1.65	−2.71	0.75	0	10	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	9	.....	.....	.....	.....	.....	.....	.....	5.27	−0.69	1.52	0	11	.....	.....	.....	.....	P. H. Kehoe.
Pendleton	Pendleton	600	38	.....	.....	.....	.....	.....	.....	.....	3.33	−0.20	0.95	0	8	17	5	9	se.	J. V. Oldham.
Falmouth	Pendleton	668	19	68.4	−5.4	90	13	45	26	34	3.67	−0.75	1.11	0	7	21	3	7	e.	Mrs. R. F. Stamper.
Farmers	Rowan	841	2	.....	.....	.....	.....	.....	.....	.....	6.04	.....	1.70	0	8	.....	.....	.....	.....	C. A. Glascock
Flemingsburg	Fleming	653	11	.....	.....	.....	.....	.....	.....	.....	3.37	−1.15	1.37	0	10	.....	.....	.....	.....	John A. Walters.
Ford, Lock 10¶	Clark	589	2	.....	.....	.....	.....	.....	.....	.....	3.73	.....	1.02	0	9	.....	.....	.....	.....	Col. Frank Powers.
Grayson	Carter	540	7	.....	.....	.....	.....	.....	.....	.....	3.26	.....	0.94	0	11	.....	.....	.....	.....	T. Mitchell.
Greenup, Dam 30	Greenup	869	3	.....	.....	.....	.....	.....	.....	.....	3.62	.....	1.06	0	7	.....	.....	.....	.....	Chas O. Ibrig.
Hazard	Perry	664	10	.....	.....	.....	.....	.....	.....	.....	3.30	−1.22	1.55	0	6	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	1032	2	70.0	.....	92*	8	52*	25†	33*	4.87	.....	1.65	0	6	20*	3*	5*	sw.	Miss Lake Napier.
Hindman	Knott	1506	2	.....	.....	.....	.....	.....	.....	.....	3.28	.....	0.90	0	11	.....	.....	.....	.....	R. R Davidson.
Jenkins	Letcher	584	23	.....	.....	.....	.....	.....	.....	.....	5.86	+1.97	2.35	0	8	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	524	30	69.2	−6.4	91	7	46	26	30	3.11	−0.95	0.72	0	10	8	13	10	s.	Perry E. Bennett
Maysville	Mason	1128	31	71.6	−3.2	92	8	48	29	36	5.14	+0.88	1.66	0	8	23	8	0	.....	Matthew Woodson.
Middlesboro	Bell	980	37	68.8	−5.3	91	7	48	28	32	2.76	−1.21	0.75	0	10	21	2	8	w.	W. R McKee.
Mount Sterling	Montgomery	997	6	.....	.....	.....	.....	.....	.....	.....	4.04	.....	1.60	0	8	.....	.....	.....	.....	Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	497	6	.....	.....	.....	.....	.....	.....	.....	3.26	−0.81	0.78	0	11	.....	.....	.....	.....	Robert Repass.
Pikeville	Pike	636	21	.....	.....	.....	.....	.....	.....	.....	5.83	.....	1.68	0	10	.....	.....	.....	.....	E. C. Bell.
Prestonsburg	Floyd	640	2	.....	.....	.....	.....	.....	.....	.....	5.11	.....	2.50	0	6	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breathitt	732	2	71.9	.....	93*	13	52*	25†	34*	1.76	−2.81	0.50	0	6	.....	.....	.....	.....	Walter P. Bush.
Ravenna, Lock 12	Estill	631	9	.....	.....	.....	.....	.....	.....	.....	2.17	−1.43	1.32	0	8	18	3	10	.....	J. W. Crooke
Richmond	Madison	926	26	70.8	−4.7	90	13	51	26	30	3.18	.....	0.65	0	8	7	17	7	sw.	R P. Crawford.
Sergent	Letcher	1235	4	71.2	.....	92	14	51	29†	33	3.04	−1.09	1.20	0	8	.....	.....	.....	.....	Thos Sullivan.
Valley View, Lock 9	Madison	541	14	.....	.....	.....	.....	.....	.....	.....	5.12	+0.88	1.92	0	6	.....	.....	.....	.....	H. M. Fannin.
Vanceburg, Dam 32	Lewis	525	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wayland	Floyd	766	1	.....	.....	.....	.....	.....	.....	.....	3.71	.....	0.99	0	8	.....	.....	.....	.....	G. H. Zimmerman.
Whitesburg	Letcher	1142	2	.....	.....	.....	.....	.....	.....	.....	4.79	+0.13	2.15	0	6	24	7	0	.....	Lawrence R. Uhl.
Williamsburg	Whitley	939	30	72.8	−3.2	93	7†	50	26	33	1.89	.....	0.69	0	4	.....	.....	.....	.....	Shelby Angel.
Willow Lock 13	Lee	611	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes				71.1	−4.5	97	13	43	26	43	2.88	−0.83	2.50	0	8	16	8	7	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are

used in determining section or division means. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky Rive

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oa

* Also on other dates. ** Received too late to be included in means and summaries. † Precipitation is less than 0.01 inch rain or melted snow. ¶Post-office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8 Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

Aug 13.—A hail and wind-storm caused some local damage in northwestern McClean County.

Aug. 19.—Lightning burned a barn near Lexington and started a fire in the city.

Rivers.—All rivers of the State, including the Ohio, declined to low stages dur the month.

Errata for July, 1927.—Paducah, near, days clear should be 26, cloud St. John, highest temperature 94 on 2nd.

Daily Precipitation for August, 1927.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ‖ G	.12		.06					.29	.27						1.12		.15	.10	.20		.10											
Blandville M		T	.04				.01	.02					.06	.50			.13							.01								2 41
Calhoun G			.15			T.	.16	T.					.69	.05			.30		.20				T.	T.								1 [illegible]
Earlington ‖ G	.08			T.				.02						.18	.11		.47	.07	.10													1 [illegible]
Greenville G			.08					.01	T.					.25			.40															1 03
Hopkinsville ‖ C	T.		.11	.06										T.			T.	2.00	T.													6 54
Marion O			T.				.16	T.					.27	.21			.31															2 [illegible]
Mayfield M			.34	.25					.47					.45			.38															1 16
Murray ‖ T		T.	.25	T.				T.	T.				T.		.47		.19	.14					T									1 [illegible]
Owensboro O			.13	.01				.36	T.					.18	.63		T.	.04	.07													1 65
Paducah (near) ¶ O													1.55	.30			1.00															6 [illegible]
Paducah ‖ O								T.						1.25	.23		1.53	.14						.11								2 56
Princeton G			.10	.10			.01		.09				.22	.40			.92								T.							3 15
Rumsey, Lock No. 2 ‖ G	.29		.17					.12	.03					.75	.03		.19		.31					.27								2 11
Russellville ‖ G															.08			1.09														1 [illegible]
Central Division																																
Anchorage O			1.36																													
Bardstown ‖ S	.19		.08	.15				.58					.10	.11			.16		.18	.01										.61	.05	2 50
Bowling Green ‖ G			.05	.35				.20						.82	.02			.36		.07												1 [illegible]
Bowling Green, No. 2 ‖ G	.11		.14	.23				T.	T.									.80	.66	.05												1 91
Brownsville, Lock No. 6 ‖ G	.84		.19	.04				.19							.08		T.	.93	.42	.63												2 79
Burnside ‖ C	.07			.22				T.	2.41	.26					.40			.53	.04													3 [illegible]
Carrollton ‖ (Lock No. 1) K			1.52	.16				1.35	.45					1.13	T.			.10	.01	.14	.02			.01					.07			3 [illegible]
Cloverport ‖ O			.17	.02				.74	.53					.30	.02			.11		.33	.62											4 [illegible]
Cold Spring, Dam 36 ‖ O			.36	.17		T.		.41						.14	.04		.02	.14	.05	.37												1 [illegible]
Dix Dam, Burgin ‖ K	.44		.07	.17				.05						.10	T.			.10	.01	.14	.02			.01					.07			3 [illegible]
Eubank ‖ C	.15		.03	.54						.18				.15	.44			.21		.49	.02											2 04
Frankfort ‖ K	T.		.50	.60				.42	.08					.60	.32		T.	.08		.48	.08											2 19
Franklin G		.16			.28			.38		.41																				T.		3 16
Gest, Lock No. 8 ‖ K			.81	.94				.60	1.05					.10	.74			.14		.12				T.								1 26
Glasgow G																														06		4 59
Grant, Dam 38 ‖ O			.28	.25				.25								.20	1.20		.20													1 85
Greensburg ‖ G	.09		.06	.12				.97	.12					.78	.04	T.		.03	.38	T.		T.	.05								.17	3 07
High Bridge, Lock No. 7 ‖ K	.15		.05	.09				.15	.02					.02	.25			.20		1.14	.02											2 67
Irvington O			.19					.08						.15	.72				.23					.15						.03		1 63
Junction City K			.38	.02			.03	.31	.03	.17			.07	T.			.17	T.	.29	T.				T.								1 03
Lancaster ‖ K	.08			.15				.02						.30	.19		.39	.05	.38	.01												2 55
Leitchfield G			.80					.40					.30	.24	.07		.32		.31													1 46
Lexington *** K			.50					.05	.01				.12	1.13			.04	.01	.20	.03			T.						T.			1 94
Little Hickman, Lock No. 8 ‖ K	.48		.05	.27				T.	T.					T.	.53			.30	T.	.35	.06			.06								2 09
Lockport, Lock No. 2 ‖ K		1.12	.44				.45	1.12					.31	.07		T.	.12	.02	.11	.03												2 10
Louisville *** O		T.	1.61				.01	.85	T.				.07	.49			.14		.10	.15												3 77
Do. (Cherokee Park) O			1.78					.36						.12	.19		.15	.08	.02										T.			2 92
Munfordville ‖ G																														F.		2 70
St. John S	.81		.15	.05				.12						.85	.45			.25	T.	.12												2 30
Salvisa, Lock No 6 ‖ K	.30		.20					.10	.70					.45	.41			.26		.32				T.								2 77
Scott L		T.	.60					.05	.01				.12	1.13			.04	.01	.20	.03			T.						T.			2 09
Shelbyville ‖ S	.12	.01	.51	.44	T.			.29	.31				T.	1.00			.14	T.	.33					.02						.01		3 64
Taylorsville S			.40					.27						.42	.61		.04	.17	.04	.03											.07	3 06
Tyrone, Lock No. 5 K		.42	.25					.15					.79	.91			.27	T.	.10	T.											.02	2 76
Williamstown ‖ L			1.05	.45		.05		.26	.28				.40	.87			.25															2 34
Woodbury, Lock No. 4 ‖ G	.18		.08	.01				.06	T.					.76	.32			.13		.12											.54	3 96
Eastern Division																	.04	.61	.54	.22												1 74
Ashland ‖ O	.04	.16	.20	.72		.04		1.18	1.92						.55			.10	.12	.78				.02						.02		5 79
Beattyville ‖ K	.19		T.	.46	.02			T.	.03	T.					.36			1.51	T.	.22				.04							T.	2 83
Berea K			.33					T.	.08					.58			.21	T.	.65										T.			1 85
College Hill, Lock No. 11 ‖ K	.10		.05	.07				.05	.10					.03	.75			.25		.15				.10								1 65
Cynthiana ‖ L		.15	.50	.76			.06	.50	1.48					.04	1.52			.12	.02		T.							T.			.12	5 27
Falmouth ‖ L			.95	.25				.46	.72					.40	.22					.16										T.	.17	3 33
Farmers ‖ L			1.11					.99	.14					.87	.25		T.	.30		.10												3 67
Flemingsburg ‖ L	1.70		.90					.70	1.17				.20	.22			.15													.30		6 04
Ford, Lock No. 10 ‖ K	.24		.08	.40				.08	T.					.21	1.37			.41	.01	.51	T.			.03				T.		T.		3 87
Grayson ‖ O	.39	.01	.10	.83				.85	.14						1.02			.28		.08												3 73
Greenup, Dam 30 ‖ O	.01	.05	.10	.42		.09	.94	.58					.40	.46				.09	.06													3 20
Hazard ‖ K	.31	T.		.43					.97	.03	T.				.61			1.06					T.			.21				T.		3 62
Heidelberg, Lock No. 14 ‖ K	.06		.52												.66			1.86	T.	.44		.07										3 30
Hindman K			.58					.05						1.65			.82	T.							T.		1.16				.67	4 87
Jenkins ‖ K	.15	.17	.30					.70	.08				.61				.90	.08						.03			.18	.08				3 28
Louisa ‖ B	2.35			1.12				.10	.33					.10				1.15	.30	.41												5 86
Paddlesboro C			.32	.41		.04	.05	.58	.47					.45	.72			.04	.03	T.										T.		3 11
Mount Sterling ‖ L	.37		.10	.41				.42	.86		.24			.68			1.05	1.66								12						5 14
Peoria, Dam 35 ‖ O			.25				20	1.60						.90	.75			.16		.10										.02		2 76
Pikeville ‖ B	.16	.28		.62	T.				.58	.12	.10			1.26	.12			.15	T				.24							T.	.12	4 04
Prestonsburg ‖ B	.22	.08		.65				1.20						.08	.28			.78	.16	.10		T.										3 26
Nicksand ‖ K				.60										1.30				1.68		.45				.09				.06			.10	5 83
Savanna, Lock No. 12 ‖ K	.15		T.	.46				.15						.60				2.50	.25	T.											1.01	5 11
Belmont ‖ K	.08		T.	.21			T.	.05						1.32				.20	T.	.30				T.			T.	T.				1 76
Argent K	.78					.02		.42	.48									.32	.02	.09				.08								2 17
Valley View, Lock No. 9 ‖ K			.25					.10										.95	.20								.22		.11			3 18
Vanceburg, Dam No. 32 ‖ O			.18	.60		.04		.72	1.66				.40	1.20				.35	.12	.52										.10		3 04
Wayland ‖ B															1.92																	5 12
Whitesburg ‖ K																																
Williamsburg ‖ K		.99	.40	.39					.35			T.		.29			.90							.20			.19		T.			4 79
Willow, Lock No. 13 ‖ C	.73			.30				2.15							1.06			.47	.08	T.												3 71
	.40			.45											.35		.69															4 29
																																1 89

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

Daily Temperatures for August, 1927.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	91	86	77	82	89	92	94	90	86	88	89	92	95	82	87	86	83	80	76	77	82	86	89	79	79	80	83	84	88	90	92	85.6
	Minimum	63	62	62	61	59	63	70	73	70	61	62	59	63	68	65	57	65	66	60	50	52	53	55	60	47	47	48	49	51	54	60	59.2
Blandville	Maximum	88	81	75	76	84	85	81	83	85	86	87	90	83	85	82	80	79	75	74	76	79	82	78	78	82	83	84	87	81.3
	Minimum	70	65	59	64	61	66	74	70	71	66	67	65	69	69	69	63	69	64	60	55	54	54	58	58	52	52	53	53	58	60	63	61	62.4
Calhoun	Maximum	89	86	77	82	90	89	88	85	86	87	92	90	87	86	85	82	79	75	75	83	86	87	78	79	79	81	83	86	90	89	89	84.5
	Minimum	65	63	60	60	61	65	71	72	71	74	66	60	65	66	67	58	65	66	61	53	55	56	55	51	52	52	53	54	56	60	60	60.8
Earlington	Maximum	89	85	74	78	89	90	90	89	85	87	89	93	95	83	87	87	87	80	79	75	75	80	86	87	79	85	81	86	90	93	93	85.5
	Minimum	64	61	62	63	60	65	72	73	72	63	62	58	63	68	65	57	67	64	61	50	52	53	54	56	48	47	48	50	52	55	60	59.6
Greenville	Maximum	90	88	77	80	89	89	88	88	83	87	89	88	95	86	89	87	83	80	71	74	84	86	87	77	81	...	...	46	50	52	58	[1]84.1
	Minimum	62	60	59	60	57	62	68	74	73	61	61	56	61	66	63	56	64	63	59	48	48	50	53	55	44	...	...	46	50	52	58	[1]58.1
Hopkinsville	Maximum	91	86	81	79	90	92	90	91	89	92	93	96	97	85	92	91	84	82	76	78	80	88	88	80	81	82	81	86	88	90	91	87.5
	Minimum	63	64	62	64	59	63	69	73	71	65	64	60	64	66	66	59	69	63	60	60	52	53	55	59	50	49	52	53	54	57	58	60.3
Marion	Maximum	89	83	82	78	87	85	88	85	82	85	89	90	94	87	89	90	84	86	82	77	78	75	76	79	82	84	74	78	77	81	82	85	85	83.0
	Minimum	68	68	59	64	65	67	73	72	68	63	65	68	69	69	67	61	67	62	59	54	55	58	58	58	52	52	53	54	57	60	68	67	62.4
Mayfield	Maximum	90	87	84	80	89	88	86	87	86	87	89	90	91	88	87	87	85	85	83	77	76	82	84	85	...	83	78	80	82	85	88	88	92	[3]88.4
	Minimum	69	65	60	64	61	62	72	72	71	66	68	63	66	70	69	68	68	68	63	60	52	53	54	54	51	51	52	54	55	62	62	[3]61.6
Murray	Maximum	90	87	79	82	90	91	89	90	86	89	90	94	94	87	90	89	85	81	77	77	81	85	89	77	79	79	83	88	88	91	93	86.0
	Minimum	65	63	66	65	58	62	70	73	72	66	67	58	61	68	67	60	70	63	63	55	48	49	50	59	45	43	48	50	56	55	59	59.4
Owensboro	Maximum	88	82	71	78	86	88	89	88	84	84	85	88	90	83	85	84	78	75	74	74	80	82	85	74	78	78	80	81	84	86	88	82.3
	Minimum	65	62	57	59	60	69	69	70	68	61	63	59	63	65	65	59	65	68	58	52	50	52	53	59	53	51	53	54	59	60	63	60.3
Paducah (near)	Maximum	90	85	77	80	90	92	85	88	85	89	89	93	94	88	89	89	84	80	80	75	75	...	86	85	79	83	82	83	87	90	90	84.5
	Minimum	69	67	60	62	66	66	74	71	71	63	65	63	62	70	67	63	68	68	63	60	52	52	55	56	53	45	48	49	53	55	61	60	60.6
Princeton	Maximum	87	80	77	77	85	88	84	84	84	83	84	89	93	84	85	85	83	79	78	74	74	77	81	83	73	76	76	79	81	84	85	85	81.6
	Minimum	65	63	59	62	59	64	64	72	70	64	65	60	63	68	67	60	66	63	59	53	53	54	54	56	52	52	53	53	57	59	59	59	59.9
Russellville§§	Maximum	...	...	...	...	...	...	...	92	90	87	89	89	94	94	83	88	88	85	78	74	69	75	79	83	88	77	78	78	80	88	91	92	[4]84.6
	Minimum	...	...	...	...	...	...	60	72	65	65	59	65	67	69	69	57	65	61	62	51	53	65	57	48	47	49	51	52	54	58	[4]58.4
Central Division.																																	
Anchorage	Maximum	88	81	67	78	87	88	90	86	81	83	86	90	90	84	85	82	72	73	68	74	80	85	86	76	78	78	79	78	82	86	87	81.5
	Minimum	68	57	58	63	58	60	68	70	66	58	57	57	63	67	64	55	68	61	55	54	52	53	54	57	50	51	50	47	51	51	58	57.9
Bardstown	Maximum	88	85	71	81	89	91	94	90	88	86	87	92	95	85	86	85	78	75	74	74	80	87	89	77	78	80	81	87	87	90	90	84.3
	Minimum	60	62	62	64	58	61	66	73	71	59	58	55	61	69	65	53	66	63	58	53	51	53	54	58	47	51	50	48	50	52	59	59	58.8
Bowling Green	Maximum	93	91	81	80	92	94	95	93	88	90	93	94	94	89	89	89	88	84	83	77	78	74	79	90	85	82	82	84	85	89	94	94	87.6
	Minimum	63	64	70	74	64	64	73	75	74	66	66	64	65	69	68	64	65	71	61	71	69	64	56	58	58	62	65	56	56	58	60	59	61	65	64.6
Dix Dam	Maximum	80	84	86	87	78	85	87	90	87	83	83	90	92	89	82	86	85	82	80	80	82	84	82	78	85	87	85	84	86	88	84	84.4
	Minimum	70	64	68	68	67	67	72	75	73	66	66	62	68	74	70	62	68	64	62	62	60	64	59	48	49	49	55	56	58	60	61	65	64.6
Eubank	Maximum	88	86	86	87	86	88	90	91	91	87	86	90	92	89	87	79	84	81	71	74	80	87	87	83	83	83	84	87	89	90	90	84.1
	Minimum	60	59	63	63	59	66	62	73	72	62	62	53	57	71	65	52	62	63	65	57	51	53	54	49	55	51	49	46	46	50	56	57.8
Frankfort	Maximum	87	86	77	79	85	89	92	89	85	82	83	87	90	92	82	81	79	70	69	72	78	82	84	78	74	77	76	76	81	83	83	81.2
	Minimum	62	63	61	65	60	63	66	73	71	65	65	59	65	68	67	57	65	62	57	56	54	57	58	60	50	51	50	50	53	56	59	61	60.0
Franklin	Maximum	88	86	75	80	88	91	91	92	85	87	88	93	92	88	88	89	84	79	79	81	84	87	86	82	82	82	82	84	86	87	87	86.2
	Minimum	70	74	70	68	69	72	76	78	75	75	72	74	76	74	67	69	78	66	69	61	62	68	65	62	57	60	60	61	65	67	68	68.1
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Glasgow	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Greensburg	Maximum	92	87	77	84	86	91	92	92	86	89	89	93	94	85	85	86	81	80	72	76	80	86	88	77	78	81	81	86	86	90	92	84.7
	Minimum	59	59	62	60	57	57	63	71	69	60	60	54	60	66	64	51	62	64	54	52	50	54	55	58	47	44	45	45	48	50	49	56.4
Irvington	Maximum	86	81	73	77	84	87	90	85	81	82	84	87	90	84	84	81	75	75	71	77	81	84	76	76	77	78	80	86	87	88	86	80.8
	Minimum	65	62	60	63	61	63	71	73	73	69	63	60	63	69	59	62	66	62	58	60	53	56	57	58	53	54	54	53	54	55	62	66	66.3
Junction City	Maximum	89	86	79	80	88	91	92	91	85	87	90	93	93	86	85	85	82	74	74	72	82	87	89	77	77	79	79	78	84	90	88	84.2
	Minimum	59	61	62	62	60	62	68	73	67	58	59	58	58	67	66	51	61	61	55	54	50	52	54	58	48	49	47	50	48	50	55	57.3
Leitchfield	Maximum	87	83	73	78	87	88	90	86	83	85	88	91	92	84	86	78	75	71	74	79	85	86	75	77	77	80	81	86	89	89	89	82.7
	Minimum	64	63	62	62	61	65	70	72	71	61	62	58	66	68	66	57	65	65	59	51	53	55	55	58	51	52	51	53	53	56	59	60	60.2
Lexington	Maximum	84	78	66	74	83	85	87	84	81	80	81	85	88	77	78	78	72	77	68	69	68	71	81	84	70	71	73	73	73	77	76	77.5
	Minimum	66	62	59	62	63	68	70	72	63	58	64	68	70	68	66	63	66	62	59	57	56	58	65	61	58	58	52	54	54	60	62	61.4
Louisville	Maximum	87	77	67	78	85	86	88	88	84	80	80	83	87	80	83	83	78	71	70	66	72	78	82	84	72	74	75	77	77	81	86	85	79.6
	Minimum	68	60	59	65	66	68	73	73	66	66	66	64	64	69	70	66	59	64	62	59	57	58	59	61	55	54	54	55	54	58	59	61	61.9
Do. (Cherokee Park)	Maximum	85	84	75	76	82	84	87	85	81	79	80	82	85	81	80	79	77	70	69	71	75	79	80	79	72	74	50	52	52	54	55	60	59.5
	Minimum	64	59	58	63	62	63	70	71	67	58	61	66	69	68	65	66	63	62	59	56	56	56	57	55	52	50	50	52	52	54	55	60	59.6
St. John	Maximum	88	85	78	81	87	82	89	87	82	84	86	89	91	84	83	83	77	75	72	73	79	85	86	77	75	77	78	78	84	90	87	82.3
	Minimum	59	60	59	61	56	59	65	72	68	58	59	54	60	67	64	56	64	66	61	58	55	58	65	61	58	58	52	54	54	60	62	60	60.2
Scott	Maximum	85	79	70	77	82	85	86	85	81	81	83	87	89	83	84	84	79	77	76	77	81	84	85	77	77	79	80	82	84	87	87	81.9
	Minimum	64	60	58	56	60	62	68	70	65	64	64	55	63	68	66	62	58	60	58	56	57	58	59	61	55	54	54	55	54	58	59	61	61.9
Shelbyville	Maximum	87	81	73	78	86	87	91	88	85	83	85	89	91	84	83	83	78	72	77	68	74	78	81	81	75	78	74	73	74	77	76	77	78.7
	Minimum	59	57	58	63	55	58	66	70	66	55	57	54	60	66	62	51	62	59	53	50	50	52	54	55	48	51	51	51	53	56	57	59	59.6
Taylorsville	Maximum	86	80	72	78	84	86	90	85	80	81	83	86	90	82	86	83	78	74	70	68	70	77	81	83	76	78	75	75	76	80	84	82	79.5
	Minimum	64	64	60	61	62	69	67	73	68	62	58	55	64	68	73	55	64	63	58	55	53	54	55	56	48	51	51	51	53	56	57	58	58.6
Williamstown	Maximum	87	82	72	77	85	86	90	86	78	81	82	86	86	80	79	78	73	69	67	70	78	82	84	77	78	75	75	76	79	82	83	81.3	
	Minimum	62	59	58	54	59	55	68	71	67	54	59	61	66	68	62	51	61	59	56	56	53	58	58	60	57	59	62	53	53	54	57	58	58.6
Eastern Division.																																	
Ashland	Maximum	82	82	77	75	78	79	78	87	78	76	80	83	86	86	78	78	76	69	69	68	55	83	84	89	70	70	69	85	68	76	75	77.2
	Minimum	68	66	62	63	60	66	65	70	69	58	60	58	61	70	65	59	65	66	60	60	57	59	64	64	49	51	52	52	52	54	57	60.1
Beattyville	Maximum	88	86	70	77	87	90	91	87	80	82	85	90	92	86	86	86	77	72	73	74	77	82	86	82	73	75	75	74	81	85	85	80.7
	Minimum	62	62	62	63	60	60	61	72	70	60	62	55	58	66	67	54	66	62	58	55	57	57	59	62	53	54	53	54	58	58	60	59.0	
Berea	Maximum	84	81	76	76	82	85	88	83	84	83	85	90	88	80	80	77	71	72	72	74	76	81	86	83	79	74	75	76	76	82	80	80.8	
	Minimum	62	61	62	63	62	62	66	74	69	60	62	54	61	68	64	53	62	61	56	54	53	54	58	58	50	46	49	49	52	58	60	59.0	
Farmers	Maximum	85	82	79	75	85	86	89	86	84	82	85	89	90	84	85	86	83	84	80	79	82	86	86	86	73	74	74	74	78	85	83	80.9	
	Minimum	64	58	57	61	55	59	59	70	67	56	55	52	56	64	62	50	58	57	55	55	56	53	58	58	46	45	50	47	48	54	53	59.1	
Hindman	Maximum	84	84	75	74	84	87	...	92	...	83	86	...	92	82	84	83	76	72	75	72	76	86	86	86	74	74	76	74	78	75	76	82	80.8
	Minimum	67	62	63	63	62	58	...	59	...	63	60	58	...	58	66	54	62	57	65	61	58	72	80	84	68	78	74	76	78	76	80	78	80.2
Maysville	Maximum	86	90	71	79	85	87	91	84	78	80	83	86	86	81	75	80	72	76	72	72	80	84	86	78	74	76	78	76	80	84	84	80.9	
	Minimum	61	61	61	62	60	63	64	70	67	54	57	58	61	67	62	50	58	60	55	57	54	57	58	59	49	46	49	50	52	54	58	58.0	
Middlesboro	Maximum	89	91	82	82	86	88	89	87	82	84	86	89	89	85	86	87	86	83	84	80	79	85	89	86	77	76	77	81	77	77	80	84	84.4
	Minimum	64	61	61	62	61	61	55	56	57	66	62	60	60	56	59	55	64	63	61	63	63	63	62	57	56	55	56	57	60	60	59	52	57.5
Mount Sterling	Maximum	88	81	67	76	86	87	91	86	75	80	82	85	89	85	80	79	76	74	76	74	76	80	86	86	76	78	76	75	74	82	83	82	80.0
	Minimum	61	61	60	62	61	60	64	71	65	56	59	53	61	67	64	52	60	59	58	56	56	58	58	60	50	49	51	52	48	50	50	56	57.5
Quicksand	Maximum	90	88	77	...	90	90	92	92	88	88	87	90	92	88	88	88	86	83	83	78	78	84	88	88	80	74	75	74	82	83	83	83	83.8
	Minimum	68	64	62	...	62	66	66	70	70	62	61	64	66	66	59	66	67	65	60	63	58	58	57	58	53	50	52	53	53	52	53	53	60.6
Richmond	Maximum	85	82	74	75	84	87	88	86	82	85	86	89	90	82	83	80	77	76	77	77	76	77	85	87	84	68	74	73	74	78	80	84	82	80.0
	Minimum	63	63	64	63	62	64	68	74	70	60	62	59	65	71	67	56	64	62	58	56	56	57	58	61	50	51	53	54	56	58	59	60	61.1
Sergent	Maximum	85	83	80	75	83	87	89	89	80	84	85	87	90	82	86	84	77	76	76	77	85	87	84	68	74	73	74	75	80	84	87	89	85.5
	Minimum	68	63	64	64	62	59	59	66	66	64	64	59	63	69	63	59	65	64	61	60	58	59	62	61	53	52	52	54	54	59	60	61	60.1
Williamsburg	Maximum	89	89	84	83	84	90	93	91	86	88	89	92	93	86	87	87	84	82	82	82	83	87	88	88	80	78	80	80	84	87	89	85.5	
	Minimum	68	63	61	64	64	64	64	70	68	63	67	62	61	66	67	58	62	67	58	57	58	59	59	62	52	52	54	59	60	61	65	67	68.1

§§ Instruments were read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville 7 29 27-1000

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXII LOUISVILLE, KY., SEPTEMBER, 1927. No. 9

LIBRARY OF THE OCT 17 1927 UNIVERSITY OF ILLINOIS

GENERAL SUMMARY.

Except for about five unseasonably cool days in the third decade, temperatures averaged above normal and were decidedly favorable for the development of the backward crops. The long period of high temperature from the 1st to 18th, in which the warmest weather of the summer occurred, was of the greatest value to corn. This crop, seriously delayed in planting, had failed to make seasonal progress on account of the abnormally low temperature of the preceding month. The continuous high temperatures and warm nights had a marked forcing effect, hastening perceptibly the time necessary to mature early corn and greatly enhancing the probabilities of making something of the late crop. The dry weather was also a factor in hastening maturity. Some corn "fired" on uplands and hills, but most of the crop did not suffer to any great extent. In the main the dry weather benefited the crop much more than it injured it. Early tobacco ripened rapidly, and cutting and housing proceeded under highly favorable conditions. The heat and drought adversely affected late tobacco, retarding its growth and causing premature and imperfect ripening. Cutting advanced as "priming" at the bottom offset its possibilities of growth at the top. Rain near the close of the month started the remainder of it to drying, with consequent delay to ripening and cutting. Frost in spots on the 21st, mostly on lowlands, caused considerable damage to tender vegetables and slight injury to late corn and cane in a belt of counties extending across the central portion of the State from northeast to southwest. It was heaviest in the upper Green River Valley, where temperatures fell below freezing and ice formed in places. Light frost was also reported locally on the 22d and 23d. What injury occurred was limited in area and of little importance to the staple crops. Except for the frost damage, late hay from peas, soys and alfalfa was cured in unusually fine condition. Late potatoes suffered from drought, and pastures dried rather seriously toward the end of the month. Field tomatoes ripened well, but were damaged by blistering on the hottest days. Cotton made excellent progress. On the whole September weather did much to overcome the handicap imposed on agriculture by the wet spring and the low temperature of the preceding month.

TEMPERATURE.

The temperature for the State, based on reports from 41 stations, averaged 72.2°, which is 1.9° above normal and 1.1° higher than the preceding month. The period 11-18th was very warm, with daily means 10° to 15° above normal and maxima 100° or higher at several stations in the western and southern counties. In marked contrast were the low temperatures of the 20th-23d, with means as much below normal and minima of 32° or lower at some stations. Extremes for the month were 103° at Hopkinsville on the 15th and Greensburg on the 16th; and 30° at Greensburg on the 21st, 22d, and 23d.

PRECIPITATION.

Precipitation for the State, 80 stations reporting, averaged 3.87 inches, which is nearly normal. The distribution was quite irregular, but in general amounts decreased from about 8.0 inches in the western to 1.0 inch in the northeastern counties. The central and eastern counties received from 1.5 to 3.0 inches. There were considerable areas in the south-central part of the State, the Licking Valley, and along the eastern border where only 1.0 to 2.0 inches occurred. Local showers, usually light to moderate but occasionally heavy, occurred in the periods 2d-11th and 18-19th. Heaviness in the southern counties was due to heavy rains on the last three days that dominated records of the month. The extremes for the State were 0.27 inch at Greensburg and 8.08 inches at Barbourville. Thunderstorms were not especially frequent, and no damaging hail was reported.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.00	30.28	23	29.65	29	4136	5.7	34	S.	29
Cincinnati ..... Ohio	30.03	30.29	24	29.69	18	3645	5.1	24	nw.	7
Evansville..... Ind.	30.03	30.28	23	29.66	29	4589	6.3	40	sw.	29
Lexington ..... Ky.	30.04	30.32	23	29.71	18	7020	9.8	47	sw.	29
Louisville ..... Ky.	30.03	30.29	25	29.72	29	5643	7.8	46	s.	19

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	83	56	65	301.6	372.4	81	17	0
Cincinnati ..... Ohio.	79	50	60	298.9	373.1	80	21	2
Evansville..... Ind.	79	54	58	265.1	372.9	71	15	3
Lexington ..... Ky.	74	53	..	251.0	372.9	67	12	4
Louisville ..... Ky.	77	51	60	292.8	372.9	78	17	2

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	72.1	+1.8	101	36	1.23	−1.58	..	..	..	..	..
1890...	67.0	−3.3	95	36	2.71	−0.10	..	..	..	..	..
1891...	69.5	−0.8	97	42	1.89	−0.92	..	..	..	..	..
1892...	68.5	−1.8	93	38	2.68	−0.13	..	..	..	..	..
1893...	69.6	−0.7	99	35	3.24	+0.43	..	..	..	..	..
1894...	71.7	+1.4	98	37	2.71	−0.10	..	..	..	..	..
1895...	73.4	+3.1	101	37	1.10	−1.71	..	19	8	3	0
1896...	68.6	−1.7	100	30	3.77	+0.96	3	14	9	7	0
1897...	72.8	+2.5	105	31	0.21	−2.60	7	26	4	0	0
1898...	73.4	+3.1	103	42	4.36	+1.55	1	17	8	5	0
1899...	68.7	−1.6	105	27	1.66	−1.15	9	18	8	4	0
1900...	74.6	+4.3	102	35	2.25	−0.56	5	15	9	7	0
1901...	68.1	−2.2	98	33	3.57	+0.76	6	18	7	5	0
1902...	67.3	−3.0	97	29	4.01	+1.20	6	13	7	10	0
1903...	69.1	−1.2	100	32	0.91	−1.90	10	21	6	3	0
1904...	71.1	+0.8	99	44	2.58	−0.23	4	15	7	8	0
1905...	70.2	−0.1	95	36	2.61	−0.20	8	16	6	8	0
1906...	73.0	+2.7	95	45	6.15	+3.34	6	11	7	12	0
1907...	69.1	−1.2	102	35	3.00	+0.19	13	17	5	8	0
1908...	71.6	+1.3	101	36	1.03	−1.78	6	18	8	4	0
1909...	67.7	−2.6	97	32	2.51	−0.30	3	16	7	7	0
1910...	71.8	+1.5	99	38	4.41	+1.60	6	15	8	7	0
1911...	74.3	+4.0	99	46	3.71	+0.90	9	13	8	9	0
1912...	71.0	+0.7	103	33	2.80	−0.01	10	18	6	6	0
1913...	69.6	−0.7	100	29	2.49	−0.32	7	11	7	12	0
1914...	67.8	−2.5	97	36	2.96	+0.15	9	18	6	6	0
1915...	70.7	+0.4	99	32	3.32	+0.51	6	17	5	8	0
1916...	67.2	−3.1	98	32	3.48	+0.67	7	20	5	5	0
1917...	67.7	−2.6	98	34	2.56	−0.25	6	18	7	5	0
1918...	62.8	−7.5	92	30	2.94	+0.13	5	15	6	9	0
1919...	71.5	+1.2	102	40	1.69	−1.12	8	20	6	4	0
1920...	70.8	+0.5	96	38	3.30	+0.49	4	14	8	8	0
1921...	75.5	+5.2	99	45	5.37	+2.56	9	10	11	9	0
1922...	72.7	+2.4	103	39	2.22	−0.59	13	29	6	4	0
1923...	69.8	−0.5	94	39	2.87	+0.06	5	15	7	8	0
1924...	65.3	−5.0	87	35	4.49	+1.68	8	14	7	9	0
1925...	77.2	+6.9	110	45	2.83	+0.02	10	15	7	8	0
1926...	75.5	+3.2	98	40	3.78	+0.97	9	14	8	8	0
1927...	72.2	+1.9	103	30	2.87	+0.06	6	16	9	5	0

Climatological Data for September, 1927.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	23	74.2	+ 3.3	101	14	30	21	44	3.32	+0.64	2.10	0	6	25	0	5	s.	Mrs. Lena F. Taylor.
Biandville	Ballard	445	45	73.8	+ 2.4	94	14	37	21	28	8.58	+5.43	2.58	0	7	10	11	9	sw.	E. W. Horr.
Calhoun	McLean	437	23	74.2	+ 2.2	98	14†	36	22	38	3.36	+0.58	1.37	0	6	10	19	1	e.	W. A. Taylor.
Earlington	Hopkins	420	37	73.9	+ 2.8	100	14	35	21	39	6.82	+4.13	1.95	0	8	20	2	8	sw.	Brick Southworth.
Greenville	Muhlenburg	519	10	b69.7	− 1.3	94b	13†	31b	21	42b	4.83	+2.02	2.00	0	5	15b	13b	6b	s.	C. R. Lovell.
Hopkinsville	Christian	524	31	74.8	+ 2.7	103	15	35	21	41	7.11	+3.96	2.64	0	8	17	6	7	se.	W. E. Graves.
Marion	Crittenden	571	29	74.0	+ 2.2	95	14†	41	21	30	6.70	+3.77	3.30	0	6	10	11	9	sw.	B. C. Paris.
Mayfield	Graves	364	18	a75.4	+ 4.0	102a	16	36a	21	37a	5.12	+2.03	2.95	0	5	14a	11a	4a	nw.	Mrs. C. R. Sowell.
Murray	Calloway	412	1	73.7	.....	100	14†	34	21	41	7.71	.....	2.50	0	6	16	10	4	s.	Harry B. Arnold
Owensboro	Daviess	479	30	71.1	+ 0.6	96	15	33	21†	42	4.88	+1.95	1.56	0	11	18	7	5	s	Henry S. Berry.
Paducah (near)§	McCracken	516	10	74.8	+ 1.8	102	14	35	22	37	4.08	+0.82	3.00	0	5	21	7	2	se.	J. W. Lilley
Paducah	McCracken	341	38	.....	.....	.....	.....	.....	.....	.....	5.83	+2.89	2.65	0	4	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	20	72.3	+ 0.9	94	14†	36	21	35	7.55	+4.57	1.88	0	11	10	15	5	s.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	384	10	.....	.....	.....	.....	.....	.....	.....	3.76	+0.37	1.50	0	5	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	16	73.6	+ 2.1	100	14	33	21	41	3.47	+0.47	1.20	0	6	19a	6a	4a	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	26	71.8	+ 3.3	98	15	32	31	41	3.13	+0.47	1.31	0	6	17	10	3	sw.	C. E. Barret.
Bardstown	Nelson	637	30	74.0	+ 2.5	101	16	32	21	44	2.29	−0.56	1.00	0	6	16	3	11	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	38	75.1	+ 3.4	102	15	37	21†	42	4.58	+1.24	1.00	0	8	12	14	4	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	2	.....	.....	.....	.....	.....	.....	.....	3.04	.....	0.86	0	7	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	10	.....	.....	.....	.....	.....	.....	.....	3.33	−0.35	1.64	0	6	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	36	.....	.....	.....	.....	.....	.....	.....	1.32	−2.22	0.72	0	3	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	28	.....	.....	.....	.....	.....	.....	.....	3.97	+1.03	1.12	0	7	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	13	.....	.....	.....	.....	.....	.....	.....	5.82	+1.21	1.30	0	7	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	1	.....	.....	.....	.....	.....	.....	.....	2.59	.....	1.11	0	4	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	3	.....	.....	.....	.....	34	21	.....	1.75	.....	0.60	0	7	15a	8a	6a	.....	G. D. Glass.
Eubank	Pulaski	1177	33	71.1	+ 2.6	96	16†	31	22†	43	3.93	−0.42	1.50	0	6	7	15	8	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	35	71.9	+ 3.4	94	14†	38	21	33	1.34	−1.52	0.68	0	6	22	5	3	se.	Sidney Wood.
Franklin	Simpson	691	32	76.4	+ 2.6	98	16	40	22	35	3.28	−0.08	1.65	0	6	.....	.....	.....	.....	M. E. Johnson.
Gest, Lock 3	Henry	449	16	.....	.....	.....	.....	.....	.....	.....	3.02	−0.08	1.04	0	7	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	6	70.0	.....	102	5	31	25†	41	.....	28	1	1	s.	.....	.....	.....	.....	Dr. Fidella Edwards.
Grant, Dam 38	Boone	506	2	.....	.....	.....	.....	.....	.....	.....	1.56	.....	0.68	0	4	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	581	34	70.4	+ 0.8	103	16	30	21†	45	0.97	−2.09	0.60	0	5	3	6	21	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	25	.....	.....	.....	.....	.....	.....	.....	2.10	−0.87	0.87	0	5	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	29	73.2	+ 2.9	96	14†	35	22	35	1.94	−0.95	0.76	0	5	17	8	5	sw.	W. J. Piggott.
Junction City	Boyle	985	33	71.8	+ 2.5	101	16	31	23	45	2.29	−0.77	0.88	0	7	18	9	3	s.	William E. Grubbs.
Lancaster	Garrard	1032	1	.....	.....	.....	.....	.....	.....	.....	2.03	.....	0.90	0	7	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	635	31	73.7	+ 3.9	100	14	36	21†	37	4.04	+0.57	2.23	0	8	14	14	2	nw.	H. H. Willis.
Lexington	Fayette	989	43	72.2	+ 3.7	93	14	41	21	28	2.29	−0.13	1.44	0	8	14	10	6	sw.	U. S. Weather Bureau.
Little Hickman, Lock 8¶	Jessamine	523	16	.....	.....	.....	.....	.....	.....	.....	3.22	−0.28	1.54	0	7	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	17	.....	.....	.....	.....	.....	.....	.....	3.52	+0.79	1.01	0	6	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	54	73.5	+ 3.0	96	14	45	23	28	3.02	+0.39	1.26	0	6	12	13	5	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	17	71.0	+ 2.1	91	14†	39	21	30	3.46	+0.32	1.43	0	5	19	8	3	s.	Wm. I. Hunt.
Manfordville	Hart	600	2	.....	.....	.....	.....	.....	.....	.....	1.04	.....	0.84	0	3	.....	.....	.....	.....	C. R. Richardson.
Munfordville	Hardin	777	31	72.3	+ 3.0	101	14†	32	21†	42	2.07	−0.93	0.90	0	8	22	3	5	.....	Sisters of Loretto.
St. John	Mercer	490	13	.....	.....	.....	.....	.....	.....	.....	1.85	−1.27	0.95	0	5	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6¶	Mercer	900	29	70.4	+ 1.3	94	14†	35	21	35	2.22	−0.41	0.80	0	6	13	12	5	s.	E. B. Wilson.
Scott¶	Kenton	825	38	70.8	+ 1.6	97	14	31	21	42	1.42	−1.43	0.65	0	7	17	11	2	nw.	Miss Ruth Ratta,
Shelbyville	Shelby	489	25	71.0	+ 3.0	94	14†	33	21†	39	2.44	−0.79	1.28	0	4	20	5	5	ne.	E. D. Bourne.
Taylorsville	Spencer	526	9	.....	.....	.....	.....	.....	.....	.....	2.24	−0.14	1.28	0	6	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5¶	Anderson	948	24	70.9	+ 2.3	93	14†	36	21	32	1.83	−1.13	0.64	0	8	15	12	3	nw.	Mrs. E. S. Humlong.
Williamstown	Grant	933	10	.....	.....	.....	.....	.....	.....	.....	2.76	−0.16	1.22	0	5	.....	.....	.....	.....	J. C. Stinson.
Woodbury, Lock 4‡	Butler	533	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ashland	Boyd	534	10	c69.7	− 0.7	95f	17	39	23	33f	1.21	−1.70	0.58	0	4	20	0	10	sw.	Curtis Purvis.
Beattyville	Lee	650	23	70.9	+ 1.1	98	14†	38	23	38	2.51	−0.56	0.98	0	8	9	9	12	s.	Robert S. Smallwood.
Berea	Madison	1070	25	71.0	+ 1.7	95	16†	36	21†	34	3.71	+0.85	1.92	0	8	8	20	2	sw.	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	17	.....	.....	.....	.....	.....	.....	.....	1.58	−1.89	0.50	0	5	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	9	.....	.....	.....	.....	.....	.....	.....	1.32	−2.29	0.68	0	5	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	38	.....	.....	.....	.....	.....	.....	.....	1.09	−1.37	0.56	0	5	22	4	4	se.	J. V. Oldham
Farmers	Rowan	668	19	68.8	− 0.2	95	14†	32	23	42	2.68	−0.92	0.85	0	5	21	7	2	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	2	.....	.....	.....	.....	.....	.....	.....	2.30	.....	0.95	0	5	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	11	.....	.....	.....	.....	.....	.....	.....	2.49	−1.15	0.89	0	7	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	2	.....	.....	.....	.....	.....	.....	.....	1.05	.....	0.44	0	3	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	7	.....	.....	.....	.....	.....	.....	.....	0.27	.....	0.14	0	4	.....	.....	.....	.....	T. Mitchell.
Hazard	Perry	869	3	.....	.....	.....	.....	.....	.....	.....	1.67	.....	0.87	0	4	.....	.....	.....	.....	Chas. O. Ihrig.
Hod-berg, Lock 14	Lee	664	10	.....	.....	.....	.....	.....	.....	.....	2.89	−0.62	1.04	0	5	.....	.....	.....	.....	S. C. Cole.
Hyndman	Letcher	1032	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Carl Napier.
Jenkins	Letcher	1566	2	.....	.....	.....	.....	.....	.....	.....	2.00	.....	1.07	0	5	.....	.....	.....	.....	Hod-berg, Davidson.
Louisa	Lawrence	584	23	.....	.....	.....	.....	.....	.....	.....	1.78	−0.89	0.80	0	6	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	30	70.2	+ 0.5	96	13	36	23	38	2.35	−0.59	1.03	0	7	12	13	5	s.	Perry E. Bennett
Middlesboro	Bell	1128	31	.....	.....	.....	.....	33	23	.....	1.73	−1.15	1.12	0	5	22	5	3	w.	Matthew Woodson.
Mount Sterling	Montgomery	930	37	70.1	+ 2.5	96	18	35	21	38	1.66	−1.28	0.65	0	4	.....	.....	.....	.....	W. R. McKee.
Oneonta, Dam 35	Campbell	497	5	.....	.....	.....	.....	.....	.....	.....	1.68	.....	0.78	0	7	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	21	.....	.....	.....	.....	.....	.....	.....	1.62	−1.78	0.38	0	7	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	2	.....	.....	.....	.....	.....	.....	.....	2.34	.....	1.15	0	4	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breath itt	732	2	71.2	.....	97	16	41	23†	36	3.35	.....	1.45	0	4	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	9	.....	.....	.....	.....	.....	.....	.....	1.25	−2.44	0.60	0	4	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	36	73.4	+ 2.9	97	16†	39	21	36	1.12	−1.72	0.33	0	5	22	2	6	.....	J. W. Crooke.
Serzent	Letcher	1235	4	68.9	.....	94	16	40	22†	33	1.95	.....	1.05	0	5	15	7	8	sw.	R. P. Crawford.
Valley View, Lock 9	Madison	541	14	.....	.....	.....	.....	.....	.....	.....	1.85	−2.09	0.69	0	7	.....	.....	.....	.....	Thos Sullivan.
Vanceburg, Dam 32	Lewis	525	12	.....	.....	.....	.....	.....	.....	.....	1.14	−1.68	0.57	0	3	.....	.....	.....	.....	H. M. Fannin.
Wayland	Floyd	700	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitesburg	Letcher	1142	2	.....	.....	.....	.....	.....	.....	.....	1.04	.....	0.52	0	3	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	929	30	71.6	+ 1.1	100	16	35	22	40	2.13	−1.41	1.29	0	4	26	3	1	.....	Lawrence R. Uhl.
Willow Lock 13	Lee	611	8	.....	.....	.....	.....	.....	.....	.....	3.18	.....	2.22	0	6	.....	.....	.....	.....	Shelby Angel.
State averages and extremes				72.2	+ 1.9	103	15†	30	21†	45	2.87	+0.06	3.30	0	6	16	9	5	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. †Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

* Also on other dates. †† Received too late to be included in means and summaries. ¶Post-office addresses: – Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

[illegible] Stages remained low during the month

Errata for August, 1927.—Lexington: Maximum on 9th should be 75; mea maximum should be 77.6; monthly mean temperature should be 69.5, departure fro normal −5.0.

Daily Precipitation for September, 1927.

Stations	Day of month																														Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																															
aver Dam ‡ G								.10	.22	.35								.02													3.92
andville M		.08		.80	2.06			.02																							
lhoun G			T.	T.		T.		.44		.05							T.										1.53	2.01	2.58		5.56
rlington ‡ G		.72	.12				T.	1.48	.50										T.							.18	1.37	.22	1.15		3.90
nville G	T.		.47				1.04		T.								T.	.03								1.25	2.01	.95			6.82
pkinsville C	1.65			.26				.56	.17																T.	1.16	.22	2.09			4.83
rion O	.56		T.	T.			T.	.77										.06								.96	.81	2.64			5.11
yfield M				.10	.15																				T.	1.23	3.30	1.88	.57		6.70
rray T				.73	1.50		T.	T.																		1.85	.07	2.96			5.12
ensboro ‖ C		.10	.23	.05	T.	.02	.51	.19	T.	.21								.54								T.	2.64	.40	2.50			7.71
ducah (near) ¶ O	.15	.05			.28													.07								1.17	.77	1.56			4.08
ducah ‡‡ O		T.			.90																						.60	3.60			4.50
neston G	1.45	.01	.01	1.03	.13	T.	.15	1.50	.01																	1.50	.78	2.15			5.83
msey, Lock No. 2 ‖ G							T.	.50	.03								T.		T.						T.	1.88	1.03	.35			7.05
sellville ‡ G			.93					.10	.15																	.83	.99	1.50			5.76
Central Division																										.67	.42	1.20			3.47
chorage O							.16	.67		.02								.06													
dstown S					.25			.21	.03																	.91		1.31			3.13
rling Green ‖ G			1.00				.45		.18	.30								.25								.05	.75	1.60			2.29
wnsville, Lock No. 6 ‖ G			.64				.41		.14	.09									T.							.77	.62	.98			4.68
nside ‖ C								.05	.09									.03								.19	.86	.71			2.04
rrollton ‡ (Lock No. 1) K			.32				1.12	.55	.07		.53								.72							1.08	.41	1.64			3.33
rreport ‡ O		T.		.01			T.	.24	.14	.12																	.28				1.52
d Spring, Dam 36 ‡ O								.62	T.		.21															.03	1.05	.62			3.97
Dam, Burgin ‖‖ K		.31			.04	.50	.14												T.							1.00	1.01	1.30			3.82
ank ‡ C						.58	1.50	.25	.40																	.08		.05			1.75
nkfort ‡ K							T.	.05	.35		T.							.90									.30				3.93
nklin G									.15																	T.	.26	.68			1.34
t, Lock No. 3 ‖ K									1.04									1.65								.05	1.00	.18	.25		3.28
sgow G				.04				1.04	.12		.18															.06	.60	.98			3.02
nt, Dam 38 ‡ O																															
ensburg ‖ G									.04		.28															T.	.68	.56			1.56
h Bridge, Lock No. 7 ‡ K							.87	.32	.06	.12																.05	.14	.60			0.97
nston O		T.					.25	.09	.10																		.09	.72			2.10
ction City K		.08				.70	.03	.20																		T.	.69	.15	.76			1.94
caster ‡ K			.06					.90	.22	.01								.11									.29		.88			2.21
chfield G		T.	.04				.04	T.											.25									.20	.39			2.03
ington *** K			.14		.18	.18	.08	T.	T.								.45	.05								.05	.98	2.20	2.23			4.04
le Hickman, Lock No. 8 ‡ K			.10			T.	1.54	.38	.05									.09									.18	T.	1.44			2.29
kport, Lock No. 2 ‖ K					T.	.98	.17		.45										.10								.15	.90			3.22
ISVILLE *** O						.17	.68	T.	.08									.09							T.	.82	1.01				3.52
. (Cherokee Park) O						T.	.76		.02																T.	.83	.06	1.20			3.02
fordville ‡ G																		T.							T.	1.08	.17	1.43			3.46
John S		T.	.11	.04			.03	.64		T.																.09	.11	.84			1.04
lsa, Lock No 6 ‖ K				.50			.10	.12	.08									.05								.31	.59	.90			2.07
t L						.25	.27	T.	T.	.22									.10									.95				1.85
byville ‡ S						T.	.02	.41	.01									T.		T.						.50	.10	.88			2.22
lorsville S		T.			T.	T.	.35	.06	T.									.03								.02	.28	.65			1.42
one, Lock No. 5 K					T.	1.28	.15	.03										T.								.75	T.	1.28			2.44
dburg, Lock No. 4 ‡ G						.01	.57	.15	.02	.02																.43	.90	.05			2.84
Eastern Division								35	.22																		.39	.64			1.83
land ‡ O																										.52	.45	1.22			2.76
tyville ‡ K							.17	.35										.58									.11				1.21
a K			.11				.11	.98	.52	.02	.02							.56									.19				2.51
ree Hill, Lock No. 11 ‡‡ K		.10			T.	1.04	.13										T.	1.92	.07							.34	.02	.09			3.71
thiana ‡ L						T.	.30	.50		.02									.15								.20	.43				1.58
nouth ‡ L							.52	.08																			.02	.68			1.32
gers ‡ L					.21		.85										T.	.06									.26	.56			1.09
Lingsburg ‡ L							.93	.10		.15								.30									.10	.62			2.08
d, Lock No. 10 ‖ K						.05	.86	.35		.04								.35										.75			2.30
rson O							.33											.15									.15	.89			2.49
nap, Dam 30 ‡ O							.22	.04																			.28	.44			1.05
ard ‡ K			.45				T.	T.		.07								.87									.65	.14			6.27
lberg, Lock No. 14 ‡ K			.46				1.04	.64										.41									.26				1.65
lman K																											.54				2.89
ins ‡ K							.13	.11	.67									1.07	.02												
sa ‡ B							.18	.47		.12								.80								.11	.10				2.00
sville O							1.03	.09	.06	.17								.51									.09	.40				1.78
lesboro C						.61												1.12														2.35
nt Sterling ‡‡ L							.48	.38		.05																	.10	.65				1.73
nta Dam 35 ‡ O							.22			.11																	.78	.52				1.66
ville ‡ B			.36				.22	.38		.18							.22		.16								.10					1.63
ksand ‡ K							.56	.50											1.15								.12					1.62
nna, Lock No. 12 ‡‡ K			T.	.16	.26		T.	.35		1.25							T.	1.45									.30					2.33
mond ‡ K							.23	.33										.60									.28					3.35
ent K		.02				1.05	.05			.59								.01									.27	.28				1.05
y View, Lock No. 9 ‡ K					.80	.40	.20										.01	.24														1.12
eburg, Dam No. 32 ‡ O										.30								.27								.17	.69	.08				1.95
land ‡‡ B																												.57				1.85
esburg ‡ K							.52			.50								.02														1.14
amsburg ‡ C			1.29			13												.50									.21					1.04
w, Lock No. 13 ‡ K			.09			.23	2.22	.30											.18							.21						2.13
																																3.18

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the me of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland T) Tennessee; (O) Ohio; (M) Mississippi.

¶Long Oak.

Daily Temperatures for September, 1927.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	92	91	99	95	98	97	97	85	89	91	92	93	99	101	100	100	99	99	79	76	68	70	78	85	80	88	93	73	85	81	..	89.1
	Minimum	64	68	66	66	66	67	67	69	67	71	64	60	64	64	66	67	68	67	49	40	30	33	34	45	49	54	61	66	65	66	..	59.4
Blandville	Maximum	89	90	86	88	84	85	87	86	88	90	90	91	92	94	93	93	93	88	72	66	64	67	71	79	77	80	84	78	79	83	..	83.3
	Minimum	64	67	70	71	67	67	69	70	70	71	73	72	69	70	69	71	72	69	49	49	37	42	45	51	60	58	65	63	65	65	..	63.3
Calhoun	Maximum	91	93	93	90	94	93	92	87	83	92	91	92	97	98	97	98	98	93	77	71	65	70	76	84	80	84	88	72	82	82	..	86.8
	Minimum	61	61	69	68	68	67	68	70	69	68	72	78	64	68	65	68	70	71	48	45	38	36	38	50	55	53	63	66	65	67	..	61.6
Earlington	Maximum	92	98	91	94	96	93	94	84	83	91	90	94	97	100	99	97	98	94	73	70	64	69	77	83	77	85	88	75	88	80	..	87.1
	Minimum	58	60	70	67	66	65	69	68	69	69	74	65	65	64	67	69	70	68	48	44	35	36	38	49	51	57	62	68	66	67	..	60.7
Greenville	Maximum	92	91	..	76	80	84	80	78	77	87	88	83	94	92	94	92	91	90	81	67	57	63	69	70	66	78	87	78	83	80	..	[b]81.6
	Minimum	58	58	..	65	64	64	66	66	67	65	70	64	61	64	61	64	64	66	47	40	31	32	33	43	..	49	58	55	64	64	..	[b]57.8
Hopkinsville	Maximum	93	99	92	98	97	95	94	89	87	92	93	97	100	102	103	101	101	98	78	79	68	78	78	85	81	88	91	75	84	81	..	90.0
	Minimum	61	62	66	65	66	65	67	67	68	67	70	65	63	63	64	67	67	69	50	41	35	37	37	45	52	55	60	66	64	63	..	59.6
Marion	Maximum	90	93	86	88	92	88	90	85	78	90	89	93	94	95	95	96	95	90	75	66	61	67	72	78	80	82	84	76	79	79	..	84.2
	Minimum	63	63	69	69	69	67	71	70	70	70	74	70	70	70	70	75	75	73	51	48	41	45	45	54	56	61	64	66	64	65	..	63.9
Mayfield	Maximum	93	94	91	..	91	90	92	91	89	97	98	96	99	101	99	100	102	98	81	83	68	73	76	83	82	85	88	77	88	85	..	*89.3
	Minimum	61	62	69	..	66	66	68	67	67	68	71	68	67	67	67	70	69	71	45	57	36	39	39	46	56	58	68	64	63	66	..	*61.4
Murray	Maximum	95	96	92	98	94	92	94	93	88	95	94	95	100	100	100	99	100	95	75	76	70	76	83	82	85	88	87	78	88	85	..	89.1
	Minimum	55	57	65	66	65	66	65	66	69	66	69	65	62	63	61	64	65	68	51	42	34	36	36	42	47	50	56	73	82	86	..	56.3
Owensboro	Maximum	87	93	87	91	92	91	91	79	81	88	87	89	93	95	96	95	95	82	70	64	58	67	72	79	77	83	86	72	82	86	..	83.7
	Minimum	61	61	67	56	66	66	66	67	68	67	70	65	63	63	64	67	67	66	48	42	33	33	36	37	58	54	61	65	62	65	..	58.6
Paducah (near)	Maximum	94	95	90	93	94	91	93	87	84	94	95	99	98	102	102	98	98	94	80	77	72	69	74	78	84	83	85	89	83	88	..	88.7
	Minimum	59	62	69	68	68	66	70	68	69	69	71	69	66	67	67	69	70	73	49	45	49	35	39	42	49	59	48	59	65	66	..	60.8
Princeton	Maximum	93	94	91	..	91	90	92	91	89	97	98	96	99	101	99	100	102	96	81	75	70	73	76	83	80	86	90	75	84	83	..	84.3
	Minimum	59	62	69	68	68	67	67	67	67	67	70	67	66	65	65	68	68	69	52	44	36	38	39	46	56	58	66	64	64	64	..	*64.4
Russellville§§	Maximum	92	96	93	95	94	94	94	90	87	89	91	93	97	100	99	99	99	97	78	76	68	74	80	84	83	86	90	76	86	86	..	88.0
	Minimum	51	61	66	67	67	67	68	67	66	69	71	65	61	63	64	67	67	68	54	42	33	35	35	44	53	56	62	66	65	66	..	59.2
Central Division.																																	
Anchorage	Maximum	87	92	91	93	90	94	92	83	87	86	87	90	96	97	98	97	96	93	74	70	66	67	76	82	82	84	88	72	80	78	..	85.6
	Minimum	57	59	58	65	63	63	65	68	64	67	68	62	59	65	63	65	65	68	46	41	32	39	35	47	48	48	55	55	62	66	..	57.9
Bardstown	Maximum	90	95	95	97	95	98	97	95	90	91	92	95	98	98	100	101	99	100	78	79	68	78	78	83	82	86	91	76	85	79	..	89.2
	Minimum	57	58	68	66	65	65	66	67	65	69	70	69	59	65	64	65	66	67	49	40	32	32	34	45	48	53	62	63	67	65	..	58.7
Bowling Green	Maximum	92	98	91	92	97	95	95	89	89	93	94	97	100	101	102	101	100	97	77	80	70	73	79	84	81	84	87	77	85	83	..	89.4
	Minimum	66	65	71	70	70	71	71	71	71	65	71	65	64	65	67	66	67	67	53	42	37	39	37	45	47	52	60	64	64	65	..	60.8
Dix Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	78	88	83	83	78	78	..	..	..
	Minimum	..	64	68	70	68	68	72	70	70	70	64	65	69	68	67	66	69	67	54	36	34	38	42	46	47	57	62	65	66	64	..	*60.0
Eubank	Maximum	88	94	91	91	94	95	91	90	87	84	86	86	91	95	96	96	96	93	78	76	74	70	79	75	74	79	85	88	89	85	..	86.5
	Minimum	58	59	62	61	64	63	64	62	61	63	62	60	62	62	65	63	64	59	53	38	32	31	31	38	42	49	52	63	64	66	..	55.7
Frankfort	Maximum	83	88	89	90	90	89	90	91	89	86	86	86	86	92	94	94	94	93	84	74	63	64	71	76	78	83	86	83	82	81	..	84.3
	Minimum	56	56	66	65	65	62	66	69	67	68	74	60	60	67	65	67	66	69	55	44	38	46	39	47	47	50	57	66	66	63	..	59.5
Franklin	Maximum	87	88	91	92	92	93	94	87	87	92	93	93	92	94	93	98	97	97	80	80	74	70	76	83	86	84	87	76	86	83	..	87.4
	Minimum	66	71	74	74	71	74	75	72	73	77	74	70	74	75	73	74	74	69	49	45	41	40	51	58	61	64	59	55	64	67	..	65.5
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greensburg	Maximum	77	98	92	86	86	97	96	86	91	93	93	91	99	101	102	103	97	100	75	60	69	65	75	73	73	83	89	80	84	79	..	86.4
	Minimum	54	55	64	62	61	61	62	64	62	68	68	58	56	60	61	62	61	63	52	35	30	30	30	37	39	45	52	63	62	64	..	54.7
Irvington	Maximum	86	92	91	92	91	93	92	83	87	87	88	89	94	96	96	96	96	96	77	68	64	65	73	80	78	82	88	77	83	81	..	85.1
	Minimum	60	60	71	66	67	68	69	67	68	69	72	65	62	67	66	68	67	73	51	45	36	35	38	50	58	58	64	65	66	66	..	61.3
Junction City	Maximum	89	95	94	94	94	95	94	85	88	88	89	92	98	99	99	101	98	97	76	79	68	66	76	80	79	83	88	80	82	78	..	87.4
	Minimum	53	52	62	61	63	60	65	67	63	62	73	58	57	62	63	65	62	65	53	37	39	43	31	38	42	45	53	64	62	64	..	56.2
Leitchfield	Maximum	90	95	91	95	96	94	93	81	90	90	91	94	98	100	99	99	98	96	76	75	65	66	76	82	79	81	89	78	88	84	..	87.2
	Minimum	61	60	70	66	67	66	69	69	65	66	71	62	59	67	66	69	67	70	50	45	36	36	39	47	50	55	62	65	65	65	..	60.2
Lexington	Maximum	81	87	89	87	86	88	88	80	84	81	83	85	93	91	92	92	92	91	66	71	62	61	70	76	76	79	83	73	78	76	..	81.4
	Minimum	60	64	69	68	65	67	69	68	68	69	70	64	69	75	76	75	75	63	53	47	41	46	47	55	56	57	61	65	65	64	..	63.0
Louisville	Maximum	83	88	84	90	88	92	89	84	85	88	94	96	95	94	94	91	91	86	68	63	64	73	79	79	82	85	78	80	77	76	..	83.4
	Minimum	62	62	72	69	67	67	72	69	70	70	72	67	67	73	71	75	73	68	55	49	45	47	45	55	56	57	64	65	65	66	..	63.6
Do. (Cherokee Park)	Maximum	81	86	84	89	87	89	87	80	82	83	83	84	88	91	90	91	90	90	68	66	62	69	76	76	80	83	81	79	79	79	..	81.6
	Minimum	59	59	68	66	64	64	64	69	67	69	72	64	62	67	66	69	69	71	53	46	39	42	40	50	51	50	59	65	63	65	..	60.4
St. John	Maximum	88	96	95	98	92	94	94	88	89	92	92	94	97	101	100	101	98	97	84	77	67	67	74	80	79	84	89	80	82	78	..	87.9
	Minimum	59	59	66	64	65	64	64	69	67	69	72	64	62	67	66	69	69	71	53	46	39	42	40	50	51	50	59	63	63	64	..	59.7
Scott	Maximum	86	96	95	98	92	94	94	88	89	92	92	94	97	101	100	101	98	97	84	77	67	67	74	80	79	84	89	80	82	78	..	88.0
	Minimum	57	58	63	68	59	53	66	68	64	65	67	59	60	62	61	67	66	64	49	37	32	32	32	43	45	51	59	63	63	64	..	58.7
Shelbyville	Maximum	86	92	90	94	90	93	93	84	87	86	87	90	94	97	96	96	95	94	77	73	65	64	75	80	80	85	88	81	81	78	..	85.7
	Minimum	53	55	65	61	61	60	65	67	64	63	69	57	56	63	61	62	62	67	49	40	31	38	33	43	44	45	54	63	63	64	..	56.9
Taylorsville	Maximum	82	90	89	89	87	90	91	82	85	86	91	85	92	94	94	92	95	92	79	74	63	64	72	76	77	81	81	77	81	79	..	83.5
	Minimum	54	55	66	63	65	62	65	71	67	67	70	65	58	70	68	70	64	66	52	40	33	39	33	43	43	45	57	65	64	65	..	58.4
Williamstown	Maximum	81	84	82	89	86	89	89	81	85	85	92	85	90	93	98	92	91	91	77	69	62	68	73	78	82	83	76	78	76	76	..	82.2
	Minimum	56	58	64	67	69	57	67	68	65	67	67	61	64	68	68	70	67	71	51	45	36	45	41	50	51	53	57	66	63	65	..	59.6
Eastern Division.																																	
Ashland	Maximum	78	78	86	86	85	83	..	..	..	..	..	..	87	91	94	94	95	94	75	71	65	66	71	76	77	81	84	81	84	82	..	[b]81.8
	Maximum	86	55	61	64	60	62	58	67	64	65	70	59	60	67	66	69	68	67	60	45	42	41	39	44	47	48	52	67	64	67	..	57.6
Beattyville	Minimum	56	55	62	64	60	62	58	63	64	67	62	67	61	58	62	65	64	65	54	38	33	38	36	43	41	49	48	49	54	60	..	85.4
	Maximum	86	90	87	92	90	93	89	81	87	83	84	85	91	94	94	95	95	95	72	75	63	62	70	77	75	78	84	75	80	79	..	86.4
Berea	Minimum	56	56	67	64	65	61	68	66	61	66	64	60	67	66	66	64	66	65	54	38	33	36	39	36	45	50	53	69	65	66	..	56.6
	Maximum	86	90	87	92	90	93	89	81	87	83	84	85	91	94	94	95	95	95	72	75	63	62	70	77	75	78	84	75	80	79	..	86.4
Farmers	Minimum	56	56	67	64	65	61	68	66	61	66	64	60	67	66	66	64	66	65	54	38	33	36	39	36	45	50	53	69	65	66	..	56.6
	Maximum	84	86	90	90	85	89	91	80	88	84	85	85	90	95	93	95	94	98	74	76	72	66	71	77	77	82	85	80	85	81	..	84.1
Hindman	Minimum	49	48	58	60	55	49	58	63	61	61	67	54	54	60	58	61	57	60	54	37	35	35	32	35	38	42	45	51	57	61	..	51.8
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	Maximum	82	84	86	91	87	86	89	82	85	86	92	96	95	94	94	94	94	79	73	64	65	73	78	81	83	85	76	82	79	..	..	84.2
	Maximum	55	54	61	64	57	54	61	65	64	69	59	59	66	63	67	61	65	56	56	41	37	42	36	42	45	47	52	58	62	66	..	56.2
Middlesboro	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	57	54	59	60	62	61	60	61	61	66	65	59	55	57	60	55	63	54	53	40	38	34	33	35	37	39	38	46	54	63	..	52.4
Mount Sterling	Maximum	84	86	90	92	87	90	93	79	85	86	85	85	91	94	95	95	95	96	76	78	64	64	71	76	79	82	86	75	83	80	..	84.1
	Minimum	53	52	54	65	62	65	69	65	61	65	69	58	58	62	64	68	62	66	51	40	35	40	37	40	47	46	52	57	62	63	..	56.1
Quicksand	Maximum	86	89	89	93	92	89	92	91	90	92	88	89	94	93	97	95	94	96	78	78	67	66	74	76	78	82	86	79	82	85	..	85.2
	Minimum	56	56	63	62	63	60	65	66	66	68	65	65	61	64	68	65	66	67	64	56	46	44	42	41	41	43	49	50	54	56	60	57.2
Richmond	Maximum	85	89	86	92	93	92	91	80	86	82	88	89	94	96	96	97	97	95	76	76	66	67	73	78	80	82	85	78	82	83	..	86.9
	Minimum	59	60	69	66	65	64	68	68	65	65	73	63	63	70	69	68	69	70	56	46	39	44	42	45	51	55	58	65	64	76	..	61.2
Sargent	Maximum	83	88	86	90	91	90	88	75	87	87	86	87	93	93	94	96	96	97	78	78	67	66	73	78	82	83	83	83	87	87	..	85.5
	Minimum	61	55	62	64	62	62	63	64	66	64	66	66	67	69	68	69	70	71	56	46	40	40	40	40	46	50	54	60	60	..	..	56.8
Williamsburg	Maximum	89	92	90	92	94	91	93	87	89	90	92	86	89	97	97	100	97	93	80	78	73	69	73	79	78	82	88	83	87	87	..	87.2
	Minimum	59	57	62	62	65	65	64	65	62	65	70	62	58	60	62	66	64	62	57	42	37	35	36	39	39	45	49	54	61	66	..	56.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville 10-27-27 1200

51.05
NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

UNIVERSITY OF

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXII LOUISVILLE, KY., OCTOBER, 1927. No. 10

GENERAL SUMMARY.

Except for about a week of cool weather near the middle of the month, in which there were several light to heavy frosts, temperatures averaged generally above normal and were decidedly favorable for maturing and ripening the late crops. The abundant sunshine, and the rainless period that followed the 12th, were also timely and highly beneficial. Much late corn that under ordinary weather conditions could not have been expected to mature, made remarkable progress and ripened a fair crop. In the long period of fine weather the ripening corn dried very rapidly, with much improvement in quality. The corn last planted, which had seemed hopelessly late, responded so well to the temperatures of the last decade that most of it reached maturity. Early shocked corn dried out thoroughly, and there was considerable gathering in the last week. After the 12th harvesting and curing of late hay, plowing and seeding, cutting and housing of late tobacco, and other fall work, proceeded under exceptionally favorable conditions. Two periods of heavy rain early in the month delayed plowing and seeding to some extent, although they supplied needed moisture in the western counties. High winds, accompanying these rains blew down corn rather generally, which necessitated cutting before grain could be sown. Corn cutting advanced rapidly, even the cutting of late corn being almost completed. Wheat sowing was finished near the end of the month. At that time most wheat had come up, with the stand excellent and the growth rapid. Early wheat has seldom presented a better appearance at the close of this month. Late potatoes, both white and sweet, improved where they had not been too severely frosted. Light to heavy frosts occurred quite generally in the third week. They were probably killing in some eastern districts, but in most of the State they caused little damage to the staple crops. The rains revived pastures and caused a good cover growth of clover and alfalfa. Late tobacco cured out more quickly and with better color than usual so late in the fall. Cotton bolls opened so freely toward the end of the month that fields appeared white. The light frosts were helpful in checking the growth of foliage.

TEMPERATURE.

The temperature for the State, based on reports from 45 stations averaged 60.7°, which is 2.6° above normal. Three days of high temperature at the beginning were followed by two weeks of moderately cool weather, which culminated in frosts on the 17th and 18th. In the last decade mean temperatures ranged from 5° to 20° above normal. The extremes for the State were 92° from the 1st to 3d at several stations, and 27 on the 17th at Farmers.

PRECIPITATION.

Precipitation for the State, 81 stations reporting, averaged 2.61 inches, which is practically normal for this month. Its distribution was quite irregular. In general it was heaviest in the western and northwestern counties, where it ranged from 4.0 to 5.0 inches. It decreased toward the southeast, ranging from 1.0 to 2.0 inches in most of the section extending from the south-central counties northeastward to the upper Ohio and Big Sandy rivers. Moderate to heavy rains occurred in the western counties on the 3d. Except in the southeastern section, they were general over the State in the periods 7-8th and 12-13th. The extremes for the State were 0.95 inch at Williamsburg and 5.79 inches at Hopkinsville. Thunder storms occurred on only a few days, but they were accompanied rather generally by winds that blew down corn.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement	Av. hourly velocity.	Max. Velocity * Miles per hour	Direction	Date
Cairo ..... Ill.	30.05	30.41	14	29.54	11	5206	7.0	33	SW.	11
Cincinnati ..... Ohio	30.05	30.42	15	29.54	12	4871	6.5	29	SE.	11
Evansville ..... Ind.	30.07	30.40	14	29.59	12	5898	7.9	32	W.	12
Lexington ..... Ky.	30.08	30.46	15	29.58	12	5485	7.3	36	*	11
Louisville ..... Ky.	30.06	30.41	15	29.55	12	7389	9.9	36	S.	11

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	83	52	61	297.6	348.1	86	22	1
Cincinnati ..... Ohio	82	50	58	373.0	348.1	79	22	1
Evansville ..... Ind.	79	48	58	293.6	347.3	74	20	1
Lexington ..... Ky.	73	54	..	243.5	347.3	70	17	5
Louisville ..... Ky.	80	50	65	264.7	347.3	76	20	2

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature. Monthly average	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with 0.01 in or more rain.	Average Number of Days. Clear.	Partly cloudy.	Cloudy.	Average snowfall
1889	52.0	−6.1	89	26	2.42	−0.18	..	..	..	..	..
1890	55.7	−2.4	87	28	2.24	+0.34	..	..	..	..	..
1891	54.8	−3.3	92	23	0.78	−1.82	..	..	..	..	..
1892	57.3	−0.8	87	19	0.41	−2.09	..	..	..	..	..
1893	56.4	−1.7	90	19	4.00	+1.45	..	..	..	..	..
1894	58.6	+0.5	92	25	1.36	−1.24	5	..	..	..	..
1895	52.2	−5.9	89	14	1.24	−1.36	4	21	8	5	..
1896	55.8	−2.3	90	25	1.71	−0.89	5	18	7	6	..
1897	63.2	+5.1	96	26	1.10	−1.50	4	25	3	3	..
1898	57.1	−1.0	93	23	4.19	+1.59	10	12	9	10	..
1899	61.3	+3.2	93	26	2.42	−0.18	5	17	7	7	..
1900	64.5	+6.4	94	39	2.29	−0.31	5	16	8	7	..
1901	58.1	0.0	93	27	1.57	−1.03	4	22	6	3	..
1902	60.1	+2.0	91	25	2.34	−0.26	5	18	7	6	..
1903	57.7	0.4	96	19	1.22	−0.58	5	14	7	10	..
1904	57.2	0.9	93	20	0.52	−1.08	2	21	5	5	..
1905	57.0	−1.1	90	25	4.95	+2.35	9	14	7	10	..
1906	56.9	−1.2	93	29	1.51	−1.09	7	15	6	11	..
1907	55.5	−2.6	93	20	2.97	+0.37	6	16	8	7	..
1908	57.1	−1.6	92	20	6.71	+4.89	8	20	6	5	..
1909	55.2	−2.9	93	18	2.11	−0.49	6	19	5	7	..
1910	61.4	+3.3	96	17	4.45	+1.85	6	17	4	9	..
1911	59.9	+1.8	93	27	1.49	−1.11	10	13	7	11	..
1912	59.5	+1.4	92	25	1.42	−1.18	4	17	7	7	..
1913	56.9	−1.2	87	23	3.35	+0.85	9	14	7	10	..
1914	59.7	+1.6	91	23	3.00	+2.50	9	12	8	11	..
1915	60.6	+2.5	96	24	3.26	+0.50	6	18	7	6	..
1916	57.6	−0.5	87	24	1.93	−0.83	6	20	4	7	..
1917	51.1	−7.0	80	20	3.78	+0.98	7	13	7	11	..
1918	62.3	+4.2	91	32	1.81	−1.21	10	13	6	11	..
1919	65.6	+7.5	96	35	3.99	+0.99	15	8	7	15	..
1920	61.0	+2.9	94	24	1.61	−0.96	4	21	5	5	..
1921	57.1	−1.0	90	27	2.21	−0.24	8	15	8	8	..
1922	60.2	+2.1	96	28	2.75	+0.42	6	20	6	5	..
1923	56.5	−1.6	87	19	1.18	−0.92	5	23	4	4	..
1924	61.1	+3.0	94	31	2.33	−0.07	1	23	5	3	..
1925	59.6	−1.5	88	27	3.01	+1.36	11	8	5	18	..
1926	58.3	−2.8	91	25	5.56	+3.56	12	7	4	11	..
1927	..	−2.6	..	..	2.61	.00	4	..	..	..	..

Climatological Data for October, 1927.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	23	62.4	−3.7	91	1†	32	14	45	2.05	−0.75	1.30	0	4	24	6	1	s.	Mrs. Lena F. Taylor.
Bandana	Ballard	445	45	62.0	+3.4	85	1†	37	14†	29	3.60	+0.60	1.74	0	4	15	14	2	e.	W. A. Taylor.
Calhoun	McLean	437	23	63.0	+3.0	85	23†	35	14†	45	4.25	+0.89	1.63	0	5	26	3	2	nw.	Brick Southworth.
Earlington	Hopkins	420	37	62.2	+2.9	89	1	33	19	44	3.73	−0.33	1.91	0	3	21	9	1	s.	C. R. Lovell.
Greenville	Muhlenburg	519	10	68.0	−1.3	85	23	32	14†	38	5.79	+2.53	2.61	0	5	17	10	4	se.	W. E. Graves.
Hopkinsville	Christian	524	31	62.6	+2.0	90	1†	31	19	45	3.86	+1.01	1.67	0	3	16	13	2	nw.	B. C. Paris.
Marion	Crittenden	571	29	63.1	+3.7	85	1	35	19	37	4.19	+1.66	2.00	0	3	17‡	12‡	1‡	sw	Mrs. C. R. Sowell.
Mayfield	Graves	364	18	64.2	+4.4	89‡	29	35‡	14†	39‡	3.71	.....	1.61	0	4	23	6	2	s.	Harry B. Arnold
Murray	Calloway	412	1	61.6	.....	90	1	31	19	45	3.35	+0.07	1.95	0	4	26	1	4	s.	Henry S. Berry.
Owensboro	Daviess	479	20	59.8	+0.9	86	1	33	20	37	4.85	+0.86	2.30	0	3	24	5	2	se.	J. W. Lilley
Paducah (near) §	McCracken	516	10	63.9	+3.1	89	1	35	14†	40	4.23	+1.55	1.60	0	4	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	38	.....	.....	.....	.....	.....	.....	.....	4.01	+1.62	1.65	0	4	21	7	3	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	20	60.4	+1.3	86	1†	33	19	40	.....	.....	.....	0	5	.....	.....	.....	.....	Thos. L. Wetzell.
Rumsey, Lock 2 ‡	McLean	381	10	.....	.....	.....	.....	.....	.....	.....	4.46	+0.75	1.63	0	5	23‡	0‡	8‡	s.	Wm. Shelton.
Russellville	Logan	590	16	63.0	+3.6	89‡	1	34‡	14†	36‡	3.73	+1.25	2.20	0	5	23‡	0‡	8‡	s.	
Central Division.																				
Anchorage	Jefferson	700	26	60.0	+3.2	89	1	32	19	44	4.14	+1.09	1.74	0	5	24	3	4	se.	C. E. Barret.
Bardstown	Nelson	637	30	60.4	+1.3	91	1	32	14†	44	1.84	1.28	1.21	0	3	17	4	10	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	530	38	64.8	+5.6	92	1	43	14†	42	5.03	+2.31	2.39	0	7	14	14	3	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	2	.....	.....	.....	.....	.....	.....	.....	5.20	.....	1.93	0	7	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6‡	Edmonson	410	10	.....	.....	.....	.....	.....	.....	.....	4.65	−0.96	1.72	0	4	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	778	36	.....	.....	.....	.....	.....	.....	.....	1.78	1.25	0.70	0	3	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	28	.....	.....	.....	.....	.....	.....	.....	2.48	−1.26	0.98	0	5	.....	.....	.....	.....	Charlie Oliver.
Centerpoint	Breckenridge	422	13	.....	.....	.....	.....	.....	.....	.....	3.35	+0.49	1.43	0	5	.....	.....	.....	.....	W. A. Cockerill.
Old Spring, Dam 36	Campbell	489	1	.....	.....	.....	.....	.....	.....	.....	1.58	.....	0.44	0	5	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	3	61.0	.....	90	1†	34	14†	42	2.51	.....	0.70	0	6	22	3	6	.....	G. D. Glass.
Eubanks	Pulaski	1177	33	59.6	+2.7	88	1†	28	14	48	1.05	−1.65	1.05	0	1	15	8	8	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	35	60.2	+3.1	88	1	35	15†	38	2.98	−0.19	1.14	0	5	27	0	4	w.	Sidney Wood.
Franklin	Simpson	660	22	61.8	+4.6	89	5	35	14†	42	1.36	−1.25	0.58	0	5	23	6	2	ne.	M. E. Johnson.
Grant, Lock 3	Henry	449	16	.....	.....	.....	.....	.....	.....	.....	2.99	−0.20	1.83	0	5	.....	.....	.....	.....	Albert Parvis.
Glasgow	Barren	780	6	55.7	.....	81	14	30	6†	41	1.61	.....	0.37	0	4	20	5	6	s.	Dr. Fidella Edwards.
Grant, Dam 38	Boone	866	2	.....	.....	.....	.....	.....	.....	.....	3.49	.....	1.84	0	5	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	581	34	57.8	+0.7	92	1	28	15	48	2.50	−0.11	1.61	0	5	14	2	15	se.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	650	25	.....	.....	.....	.....	.....	.....	.....	2.67	−0.91	0.68	0	5	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	29	61.1	+3.4	88	1	36	18	33	4.02	+1.01	2.50	0	3	21	3	7	sw.	W. J. Piggott.
Junction City	Boyle	965	33	60.0	+2.2	90	1†	30	15	46	2.83	+0.30	1.87	0	6	23	6	2	s.	William E. Grubbs.
Lancaster	Garrard	1022	1	.....	.....	.....	.....	.....	.....	.....	1.57	.....	0.92	0	3	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	645	31	61.7	+3.6	87	1†	33	14	38	4.67	+1.94	2.70	0	4	17	12	2	s.	H. H. Willis.
Lexington	Fayette	989	43	61.0	+3.6	86	1	35	19	30	4.65	+1.94	2.70	0	6	20	4	7	sw.	U. S. Weather Bureau
Lock 5 Brickman, Lock 8¶	Jessamine	593	16	.....	.....	.....	.....	.....	.....	.....	2.27	−0.58	1.12	0	3	.....	.....	.....	.....	Horace Canter.
Louisville	Jefferson	476	17	.....	.....	.....	.....	.....	.....	.....	2.33	−0.77	1.39	0	6	.....	.....	.....	.....	Andrew J. Keenan.
Lock 2	Henry	455	54	61.8	+2.5	86	1	38	18	31	3.85	+0.72	1.55	0	5	16	12	3	n.	U. S. Weather Bureau.
Louisville	Jefferson	534	17	63.4	+2.5	84	1†	36	18	34	3.58	+0.43	1.70	0	4	20	6	5	sw.	Wm. L. Hunt
Louisville (Cherokee Park)	Do.	600	2	.....	.....	.....	.....	.....	.....	.....	3.07	.....	0.95	0	4	.....	.....	.....	.....	C. R. Richardson.
Munfordville	Hart	777	31	59.8	+2.1	88	1	31	19	41	4.89	+2.06	2.40	0	6	25	2	4	.....	Sisters of Loretto
Mt. Sterling	Montgomery	1000	29	59.4	+2.0	87	1	31	15	43	1.81	−0.69	0.85	0	5	.....	.....	.....	.....	Ernest M. Searcy.
Nelson, Lock 6¶	Bullitt	490	13	.....	.....	.....	.....	.....	.....	.....	1.68	−1.15	0.80	0	5	15	9	7	s.	E. B. Wilson.
Newport	Kenton	960	29	59.4	+2.0	87	1	31	15	43	3.49	+1.07	1.88	0	5	20	5	6	n.	Miss Ruth Ratta.
Scott §	Kenton	825	28	58.3	+1.7	90	1	31	17	45	3.49	+1.07	1.88	0	3	21	4	6	nw.	S. D. Bourne.
Shelbyville	Shelby	789	25	58.3	+2.1	87	1	31	17	43	3.29	+0.32	1.80	0	4	.....	.....	.....	.....	H. K. Vaughn.
Taylorsville	Spencer	526	9	.....	.....	.....	.....	.....	.....	.....	2.19	.....	1.82	0	4	.....	.....	.....	.....	Mrs. E. S. Humlong.
Tyrone, Lock 5¶	Anderson	503	24	60.0	+4.9	87	1	34	15‡	37	2.41	−0.50	1.18	0	5	17	9	5	w.	J. C. Stinson.
Williamstown	Grant	838	24	.....	.....	.....	.....	.....	.....	.....	3.43	−0.29	1.19	0	8	.....	.....	.....	.....	
Woodbury, Lock 4 ‡	Butler	533	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Eastern Division.																				
Ashland	Boyd	553	10	61.2	+3.5	91	1	33	21	46	1.99	−0.70	0.85	0	6	24	0	7	w.	Curtis Purvis.
Beattyville	Lee	660	25	59.7	+1.9	92	2‡	33	17‡	52	0.95	−2.49	0.67	0	5	17	7	7	w.	Robert S. Smallwood.
Berea	Madison	1070	25	60.7	+2.1	88	1†	31	17	42	1.48	−1.60	1.00	0	3	14	16	1	sw.	Samuel M. Mayfield.
Boone's Hill, Lock 11	Madison	661	17	.....	.....	.....	.....	.....	.....	.....	1.58	−1.51	0.80	0	5	.....	.....	.....	.....	Letty Walden
Cannel City	Morgan	1000	9	.....	.....	.....	.....	.....	.....	.....	1.59	−1.71	0.48	0	4	.....	.....	.....	.....	P. H. Kehoe.
Carlisle	Nicholas	684	9	.....	.....	.....	.....	.....	.....	.....	2.16	−0.34	1.03	0	4	20	3	8	se.	J. V. Oldham
Carrollton	Bracken	505	38	.....	.....	.....	.....	.....	.....	.....	2.20	−1.15	1.20	0	2	21‡	3‡	6‡	e.	Mrs. R. F. Stamper.
Catlettsburg	Boyd	600	10	63.4	+2.7	92‡	3	27‡	17	35‡	0.82	.....	0.37	0	3	.....	.....	.....	.....	C. A. Clascock
Conners	Rowan	841	2	.....	.....	.....	.....	.....	.....	.....	1.98	−0.63	0.81	0	3	.....	.....	.....	.....	John A. Waters.
Cynthiana	Harrison	883	11	.....	.....	.....	.....	.....	.....	.....	1.69	.....	0.43	0	7	.....	.....	.....	.....	Col. Frank Powers.
Dorchester, Lock 10¶	Clark	885	2	.....	.....	.....	.....	.....	.....	.....	1.66	.....	0.44	0	7	.....	.....	.....	.....	T. Mitchell.
Ennis	Carter	540	7	.....	.....	.....	.....	.....	.....	.....	1.63	.....	0.60	0	7	.....	.....	.....	.....	Chas. O. Ihrig.
Greenup, Dam 30	Greenup	869	3	.....	.....	.....	.....	.....	.....	.....	1.80	−1.59	0.50	0	4	.....	.....	.....	.....	S. C. Cole.
Hazard	Perry	664	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	.....	24	3	4	o.	Carl Napier.
Hillsboro, Lock 14	Lee	1022	2	60.6	.....	91	1†	32	20†	47	1.34	.....	0.43	0	8	.....	.....	.....	.....	R. E. Davidson.
Hindman	Knott	1666	2	.....	.....	.....	.....	.....	.....	.....	1.88	0.98	0.86	0	6	.....	.....	.....	.....	Rossian Copley.
Jenkins	Letcher	884	3	.....	.....	.....	.....	.....	.....	.....	2.13	−1.35	1.05	0	5	.....	.....	.....	.....	Perry E. Bennett
Louisa	Lawrence	564	30	59.2	+1.7	90	1†	32	17	50	1.45	1.21	0.64	0	6	19	7	5	s.	Matthew Woodson.
Maysville	Mason	491	33	59.4	+1.6	87	1	31	19	46	1.04	−1.57	1.04	0	1	25	6	0	.....	W. P. McKee.
Middlesboro	Bell	1125	33	56.4	+2.8	90	2	32	19	43	2.11	−0.86	1.16	0	3	23	4	4	w.	Andrew M. Stanforth.
Mount Sterling	Montgomery	999	37	59.4	+2.8	90	2	32	19	43	2.10	.....	0.89	0	5	.....	.....	.....	.....	Robert Repass.
Newport, Dam 35	Campbell	497	5	.....	.....	.....	.....	.....	.....	.....	1.10	1.76	0.42	0	4	.....	.....	.....	.....	F. C. Hall.
Olive Hill	Carter	656	21	.....	.....	.....	.....	.....	.....	.....	2.48	.....	1.07	0	4	.....	.....	.....	.....	R. W. Jones.
Owingsburg	Boyd	540	2	.....	.....	.....	.....	.....	.....	.....	1.80	.....	1.10	0	4	.....	.....	.....	.....	Walter P. Bush.
Pikeville	Pike	725	2	66.6	.....	92	2	33	20†	51	2.13	−1.35	1.05	0	5	.....	.....	.....	.....	J. W. Crooke.
Quicksburg, Lock 12	Estill	614	9	.....	.....	.....	.....	.....	.....	.....	1.85	0.96	1.13	0	3	25	1	5	.....	R. P. Crawford.
Richmond	Madison	909	36	62.4	+4.0	91	1†	34	17	42	1.44	.....	0.66	0	4	17	2	12	sw.	Thos. Sullivan.
Salyersville	Magoffin	1068	4	57.0	.....	87	1	36	20†	49	2.24	−1.19	1.10	0	4	.....	.....	.....	.....	H. M. Fannin.
Sassafras	Madison	841	14	.....	.....	.....	.....	.....	.....	.....	1.61	−1.08	0.97	0	4	.....	.....	.....	.....	
Sassafras, Cutshin	Perry	1000	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Stanton	Powell	1000	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Tompkinsville	Monroe	1000	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Vanceburg, Lock 9	Lewis	525	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	G. H. Zimmerman.
Versailles	Woodford	800	1	.....	.....	.....	.....	.....	.....	.....	0.77	.....	0.80	0	4	.....	.....	.....	.....	Lawrence R. Uhl.
Wheelwright	Floyd	1532	2	.....	.....	.....	.....	.....	.....	.....	0.69	−2.08	0.32	0	3	28	2	1	.....	Shelby Angel.
Whitesburg	Letcher	1200	20	60.6	+1.1	91	1	32	14†	54	1.95	.....	1.04	0	4	.....	.....	.....	.....	
Wilmore, Lock 13	Lee	624	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Averages and totals				60.7	−2.6	92	1†	27	17	55	2.61	0.01	2.70	0	4	26	6	5	s.	

[illegible] data are given [illegible] records [illegible] stations as have ten or more years of record, but all complete reports are [illegible] Greenup, Lock 30; Kentucky River [illegible] Lock 1, Carrollton; Ky. [illegible] Lock 2, Westport, Ky.; Lock 3, Glenmary, Ky.; Lock 4, Worthville, Ky.; Lock 5, Nicholasville, Ky.; Lock 6, Nicholasville, Ky.; Scott, Independence, Ky. [illegible] Lock 7, Lawrenceburg, Ky.; Lock 8, Versailles, Ky.; Lock 9, Northcutt, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky. [illegible] Lock 11, Boone's Hill, Ky.; Lock 12, Quicksburg, Ky.; Lock 13, Wilmore, Ky.; Lock 14, Hillsboro, Ky.; Lock 15, Frankfort, Ky.; Lock 16, Lock 17, Lock 18, Lock 19, Lock 20, Lock 21, Lock 22, Lock 23, Lock 24, Lock 25, Lock 26, Lock 27, Lock 28, Lock 29, Lock 30, Lock 31, Lock 32, Lock 33, Lock 34, Lock 35, Lock

Daily Precipitation for October, 1927.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G	.10		.60				1.30	.60																								
Brandville M		.61					1.85					1.74																				
Calhoun G	.02		1.02			T	1.61					1.63																				
Darlington G			1.19			.02	.27	.03				1.52																				
Greenville G			.22				1.91					1.10																				
Hopkinsville C	.17		.22				1.12	3.51				1.87																				
Marion O			.68				1.67	T				1.61																				
Mayfield M		2.00					.87					1.52																				
Murray T	.52	T.	.11				1	1.61				1.25																				
Owensboro H	.09		.56			.05	1.95	T				1.58																				
Paducah (near) ¶			.52				.28					2.00																				
Paducah ‡ O							1.25	.55				1.90																				
Princeton G		.08	.80				1.48					1.65																				
Ramsey, Lock No. 2 H G			.97	.03			1.27	.56				1.63																				
Russellville ‡ G	.26		.27				.10	2.20				.90																				
Central Division																																
Anchorage O			.19			.55	1.74					1.25																				
Bardstown S	.25		.18				1.21																									
Bowling Green, No. 2 H G	.80		.22	.20			3.52	.20				1.08	.05																			
Brownsville, Lock No. 6 H G	.80		.63	.25			.91	1.55				.94	.26																			
Burnside C	.51		.12	.11								1.72																				
Carrollton (Lock No. 1) K		T.						.63				.70	.45																				
Davesport O			.11				.98	.35				.90	.14																				
Cold Spring, Dam 36 O	T.		.40	T.			.98	.57				1.42	.17																				
Dix Dam, Burgin K			.06				.36	.14				.41	.28	T.																			
Dunbar C			.60			.04	.50				.67	.46																					
Frankfort H K	.03			T								1.05																				
Franklin S	.58	.32	.46				.28	.51				1.14	.32																				
Fest, Lock No. 3 H K				.03																												
Glasgow G			.15				.95	.20				1.33	.38																				
Grant, Dam 38 H O								.37						.21																		
Greensburg G	.35		.06	.24			1.84	.87				.42	.11																				
Hitch Rapids, Lock No. 7 H K	.08						.73	.15				1.61																				
Irvington O			.29				.17	.78					.67	.47																			
Junction City O			.27				T	2.50	T			1.23																				
Lancaster K			.04				.76	.14				1.87	.01			.01																
Litchfield G								.25				.92	.40																				
Lexington ** K			.35			.42	2.70					1.26																				
Lock Beckman, Lock No. 8 H K			.02			.09	.50	.01				1.41					T															
Lockport, Lock No. 2 H K						T	.72					1.12	.42																			
Louisville ** O			.01			.40	.70				1.39	.11																				
Lyon (Cherokee Park) O			.24			.29	1.21					1.55																				
Mansfordville H G			.27					1.70				1.47																				
Marion K				.40			.96	.87				.85																				
Marrisa, Lock No. 6 H K	.30		.32			.44	2.40					1.42																				
Mott L	.15						.55	.52				.86	.04																				
Melbyville S		.06					.55	.08				.80	.03			T.																
Melorsville S	.02					.04	1.88	.02				1.44																				
Monroe, Lock No. 5 K			.07			T	1.80					1.42																				
Mountsville L							.65	.02				1.52																				
Mowdoun, Lock No. 4 H K	.58		.04			.02	.58	.01				1.18																				
Eastern Division			.35	.03			.24	1.19				1.06																				
Ashland L O	.07							.55				.03	.85				.05	.32														
Attyville K	.14							.55	.02			.26	T	T.				.02														
Beech Hill, Lock No. 11 H K	.26		T.				.37	.21				1.03																				
Bethuns L						T	.65	.09				.26	.80																				
Blaunt L							.55				.70	.03	.38																				
Somers L							.62	.19				1.03	.26																				
Bransburg K								1.00					1.30																				
Brd, Lock No. 10 H K	T.		T			.20	.37					.15																				
Bryson O								.77	T			.81	.46				T															
Bsnup, Dam 30 H O	.24						.20	.41	.12			.40	.36				.07	.07														
Burd K			.28	.07			.45	.35				.30	.44	.07				.08														
Bulbergs, Lock No. 14 H K							.52	.01				.65	.60					.30														
Bulman K							.67	T.	T			.22	.80				.01	T.														
Bulnsil H K																																
Bnsa B			.12					.24	.05		.03	.11					.24	.03														
Bsville O			.11	.09													.05	.33	.02												
Bidlesboro C	.04											.95					.10	.35														
Bunt Sterling L							.31	.58				.61	.18	T.																		
Bonta Dam 35 H O						T	1.26	.05				1.04																				
Bovill H K							.24	.89				.30																				
Bteubens L			.12	T.				.24	T			.45	.46																			
Bcksand H K			.16								T	.32	T				T.	.42														
Benna, Lock No. 12 K	.15		T				1.10					1.07						.11														
Bmond K							.08	.05				.20		.40			T	.10														
Beut K							.57	.15				.50	1.05	T																		
Bey View, Lock No. 9 H K			.07						.46		1.13																					
Bceburg, Dam No. 32 H O							.78			1.10	.55						.35															
Bland H K							.25	.10			.50	.97				.40																
Btesburg H K																																
Blamsburg C							.10	.07				.50				.10																
Bow, Lock No. 13 H K	.21						.32				.11	.26																				
							.40				1.04	.30																				

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.

(Cooperative mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation [illegible] hours.

† Separate interval falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy, (L) Licking, (K) [illegible] Green, (T) Tennessee, (O) Ohio, (M) Mississippi.

¶ In the Oak

Daily Temperatures for October, 1927.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	91	89	81	75	85	91	85	68	76	75	84	74	64	66	74	74	64	61	65	77	75	83	88	83	86	83	86	88	87	79	78	78.5
	Minimum	72	66	65	49	42	51	55	54	39	39	45	54	54	32	33	41	34	34	35	36	46	38	49	44	47	45	46	47	46	49	46	46.2
Blandville	Maximum	85	83	73	67	77	85	76	62	68	71	79	73	61	59	68	67	60	56	62	73	78	83	83	79	80	81	81	83	82	80	70	73.1
	Minimum	72	62	62	50	50	53	52	50	42	44	52	50	43	37	42	46	40	37	37	45	53	54	56	52	57	53	53	54	56	57	59	60.8
Calhoun	Maximum	87	86	84	74	83	87	84	64	75	74	81	77	61	65	72	70	62	58	65	77	73	81	88	80	84	85	87	88	85	85	80	77.5
	Minimum	70	68	65	60	47	55	56	52	41	41	46	53	52	42	35	39	45	39	35	35	43	50	41	47	49	53	40	48	49	52	52	48.5
Earlington	Maximum	89	86	76	72	88	86	82	63	72	74	81	75	61	62	71	69	62	58	62	73	73	81	88	82	84	85	85	85	85	85	75	76.2
	Minimum	70	68	65	60	47	55	56	52	41	41	46	53	52	42	35	47	36	37	33	40	45	41	47	54	52	48	48	48	56	64	66	48.3
Greenville	Maximum	76	76	76	70	72	82	80	59	65	64	77	76	62	56	60	59	59	55	59	55	57	68	67	79	85	88	87	85	88	87	88	77	78.7
	Minimum	67	67	63	47	42	49	55	50	37	38	43	52	37	32	33	41	37	34	32	36	46	38	54	45	49	47	46	48	47	47	48	45.4
Hopkinsville	Maximum	90	88	80	76	86	90	82	65	74	77	84	73	65	66	73	73	66	59	66	77	75	83	88	83	86	83	86	88	87	85	88	77	77	76.5
	Minimum	64	63	65	50	43	53	57	51	39	40	46	53	39	34	36	47	39	38	36	45	52	46	56	52	57	54	59	56	57	58	58	51.6
Marion	Maximum	85	86	78	69	78	77	78	70	69	69	79	78	75	59	67	66	60	55	72	70	71	78	83	81	82	82	82	82	83	82	78	*79.3
	Minimum	72	69	62	57	52	52	53	50	43	45	54	54	42	37	43	47	38	36	35	43	52	48	57	56	57	54	59	56	57	58	58	*49.2
Mayfield	Maximum	88	86	84	82	83	87	82	64	75	...	81	80	62	65	73	...	...	60	69	80	81	80	87	84	85	84	85	87	88	88	88	78.1
	Minimum	72	66	62	50	46	60	55	50	39	...	43	52	41	35	39	...	...	35	35	41	50	45	54	51	55	48	51	50	46	51	57	*49.2
Murray	Maximum	90	86	88	75	83	88	88	73	67	75	78	84	72	70	65	72	74	62	59	65	76	74	81	86	88	86	88	87	85	85	83	82.6
	Minimum	67	67	64	41	42	53	67	52	37	39	41	54	41	32	31	39	38	35	31	37	45	36	49	45	52	41	46	44	45	45	47	45.2
Owensboro	Maximum	86	84	76	69	80	85	70	66	69	69	79	73	59	59	67	66	61	55	66	77	74	81	87	83	88	86	87	87	85	82	81	76.1
	Minimum	65	64	60	49	46	58	52	49	39	40	45	51	40	34	37	41	37	34	37	42	50	46	57	50	54	46	49	49	52	56	59	49.4
Paducah (near)	Maximum	89	87	79	77	85	89	86	68	72	78	81	76	63	66	75	71	65	60	67	76	74	81	87	83	88	86	87	88	85	82	74	74.7
	Minimum	73	68	62	48	48	60	55	51	41	42	53	52	41	35	39	43	39	38	40	44	51	50	45	54	51	55	48	51	50	46	51	48.0
Princeton	Maximum	86	84	76	73	80	86	72	62	71	71	80	76	64	61	69	68	60	57	64	74	71	78	83	81	85	84	85	87	88	87	85	77	*77.2
	Minimum	68	68	62	49	44	54	51	50	39	40	44	52	38	34	36	41	38	...	...	...	73	72	79	83	82	81	84	84	84	84	77	*48.8
Russellville§§	Maximum	89	86	76	73	85	88	68	68	70	76	80	67	61	62	73	71	...	...	...	...	34	41	54	47	49	48	48	51	59	48	55	
	Minimum	66	65	65	52	44	51	66	54	46	41	50	54	40	34	33	41	38	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Central Division.																																	
Anchorage	Maximum	89	88	79	73	82	87	69	61	70	71	81	71	55	58	69	68	59	55	62	74	71	79	84	82	80	84	85	85	85	85	79	74.8
	Minimum	69	65	59	48	44	47	55	48	37	38	45	54	45	36	33	41	33	33	32	37	50	46	53	41	54	40	42	43	44	48	47	45.3
Bardstown	Maximum	91	90	79	74	85	89	71	61	74	75	84	74	59	61	71	71	59	57	60	76	74	81	86	83	87	86	86	87	87	88	87	75.9
	Minimum	66	65	57	52	42	49	57	50	40	38	44	47	42	32	39	36	34	32	37	40	53	46	56	50	54	46	49	49	52	56	59	49.4
Bowling Green	Maximum	92	88	79	77	87	88	78	62	75	77	82	73	64	66	73	75	66	60	65	77	75	82	88	84	87	86	87	88	88	88	88	78.3
	Minimum	66	65	57	52	42	49	57	50	40	38	44	47	42	33	41	39	36	34	32	37	49	46	53	42	45	43	43	44	48	47	47	51.4
Dix Dam	Maximum	90	89	79	76	87	90	73	61	72	74	82	80	65	62	70	70	55	54	59	73	68	81	86	81	86	84	84	86	84	86	84	75.9
	Minimum	65	61	61	51	43	55	64	50	40	41	47	61	45	43	43	50	46	45	44	50	56	48	50	55	58	50	53	54	56	57	58	52.5
Eubank	Maximum	88	87	88	86	85	81	82	80	76	77	78	73	71	68	69	72	70	65	62	71	70	75	74	80	80	81	83	83	83	81	82	79	74.0
	Minimum	60	59	58	57	39	57	66	49	44	37	36	54	42	28	30	35	32	34	32	35	40	33	34	32	39	43	44	41	42	46	49	44.6
Frankfort	Maximum	88	87	85	74	80	86	76	67	68	68	80	79	63	56	65	66	62	53	59	71	70	76	82	80	76	78	80	80	82	79	50	46.5
	Minimum	64	61	63	55	43	48	65	53	41	42	44	56	46	38	35	40	35	39	37	43	44	54	55	52	54	55	56	57	57	57	58	49.5
Franklin	Maximum	87	86	82	78	89	88	83	76	78	80	80	79	67	66	74	74	67	61	67	77	77	84	85	82	84	85	85	87	87	87	81	79.5
	Minimum	64	61	63	55	43	48	65	53	41	42	44	56	46	38	35	40	35	39	37	43	44	54	55	52	54	55	56	57	57	57	58	49.5
Glasgow	Maximum	87	86	82	78	89	88	83	76	78	80	80	79	67	66	74	74	67	61	67	77	77	84	85	82	84	85	85	87	87	87	81	79.5
	Minimum	64	61	63	55	43	48	65	53	41	42	44	56	46	38	35	40	35	39	37	43	44	54	55	52	54	55	56	57	57	57	58	49.5
Greensburg	Maximum	72	70	73	53	46	70	58	51	48	42	59	52	41	35	37	46	37	36	35	42	47	52	58	50	52	49	53	52	49	49	53	50.0
	Minimum	71	68	67	62	73	59	78	65	69	76	74	78	63	61	76	67	60	68	70	66	60	78	70	80	76	70	68	71	72	50	56	70.9
Irvington	Maximum	73	68	67	62	73	59	78	65	69	76	74	78	63	61	76	67	60	68	70	66	60	78	70	80	76	70	68	71	72	50	56	70.9
	Minimum	71	68	67	62	73	59	78	65	69	76	74	78	63	61	76	67	60	68	70	66	60	78	70	80	76	70	68	71	72	50	56	70.9
Junction City	Maximum	86	86	82	78	89	88	83	76	78	80	80	79	67	66	74	74	67	61	67	77	77	84	85	82	84	85	85	87	87	87	81	79.5
	Minimum	64	61	63	55	43	48	65	53	41	42	44	56	46	38	35	40	35	39	37	43	44	54	55	52	54	55	56	57	57	57	58	49.5
Leitchfield	Maximum	72	70	73	53	46	70	58	51	48	42	59	52	41	35	37	46	37	36	35	42	47	52	58	50	52	49	53	52	49	49	53	50.0
	Minimum	71	68	67	62	73	59	78	65	69	76	74	78	63	61	76	67	60	68	70	66	60	78	70	80	76	70	68	71	72	50	56	70.9
Lexington	Maximum	83	82	78	71	80	85	72	61	69	69	80	76	63	61	76	67	60	68	70	66	60	78	70	80	76	70	68	71	72	50	56	70.9
	Minimum	71	68	64	52	46	54	58	53	42	43	50	54	45	38	38	47	40	36	37	40	50	44	55	47	57	51	49	49	53	56	59	49.5
Louisville	Maximum	86	86	75	70	80	85	72	61	69	69	80	79	67	66	74	74	67	61	67	77	77	84	85	82	84	85	85	87	87	87	81	79.5
	Minimum	71	68	64	52	46	54	58	53	42	43	50	54	45	38	38	47	40	36	37	40	50	44	55	47	57	51	49	49	53	56	59	49.5
Do (Cherokee Park)	Maximum	50	88	82	76	87	90	78	66	73	76	82	71	61	63	72	72	60	55	60	72	69	76	80	75	74	75	77	80	80	81	78	70.9
	Minimum	62	62	58	52	38	47	62	52	44	38	41	53	41	32	30	35	34	23	36	46	51	34	59	41	83	84	85	85	85	83	83	75.0
Louisville	Maximum	87	85	75	72	82	87	74	63	72	73	82	70	60	60	70	69	60	55	60	72	69	76	80	75	74	75	77	80	80	81	78	70.5
	Minimum	71	68	64	52	46	54	58	53	42	43	50	54	45	38	38	47	40	36	37	40	50	44	55	47	57	51	49	49	53	56	59	49.5
Louisville	Maximum	87	85	75	72	82	87	74	63	72	73	82	70	60	60	70	69	60	55	60	72	69	76	80	75	74	75	77	80	80	81	78	70.5
	Minimum	71	68	64	52	46	54	58	53	42	43	50	54	45	38	38	47	40	36	37	40	50	44	55	47	57	51	49	49	53	56	59	49.5
Leitchfield	Maximum	87	85	75	72	82	87	74	63	72	73	82	70	60	60	70	69	60	55	60	72	69	76	80	75	74	75	77	80	80	81	78	70.5
	Minimum	71	68	64	52	46	54	58	53	42	43	50	54	45	38	38	47	40	36	37	40	50	44	55	47	57	51	49	49	53	56	59	49.5
Lexington	Maximum	83	82	78	71	80	85	72	61	69	69	80	76	63	61	76	67	60	68	70	66	60	78	70	80	76	70	68	71	72	50	56	70.9
	Minimum	71	68	64	52	46	54	58	53	42	43	50	54	45	38	38	47	40	36	37	40	50	44	55	47	57	51	49	49	53	56	59	49.5
Louisville	Maximum	86	86	75	70	80	85	72	61	69	69	80	79	67	66	74	74	67	61	67	77	77	84	85	82	84	85	85	87	87	87	81	79.5
	Minimum	71	68	64	52	46	54	58	53	42	43	50	54	45	38	38	47	40	36	37	40	50	44	55	47	57	51	49	49	53	56	59	49.5
Do (Cherokee Park)	Maximum	50	88	82	76	87	90	78	66	73	76	82	71	61	63	72	72	60	55	60	72	69	76	80	75	74	75	77	80	80	81	78	70.9
	Minimum	62	62	58	52	38	47	62	52	44	38	41	53	41	32	30	35	34	23	36	46	51	34	59	41	83	84	85	85	85	83	83	75.0

1.05
KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

OL. XXXII LOUISVILLE, KY., NOVEMBER, 1927. No. 11

GENERAL SUMMARY.

Daily mean temperatures varied from 15° above normal to much below during the first three weeks; but minima were t especially low. Light freezes in the periods 5-8th and 17-th temporarily checked the growth of fall grains, but the markably high temperatures of the last decade, with minima ove freezing and maxima frequently above 70°, caused un-asonable advancement of much vegetation. Marked improve-en: occurred at this time in late sown wheat, which was quite all and not sufficiently rooted; and pastures continued in usually fine condition for the time of year. With these ex-ptions, the effect of the mild weather on vegetation was un-vorable. Some apprehension was felt in regard to the possible nting of the earliest wheat and rye. In some instances buds trees swelled as in late spring, and occasional blossoming of uit trees and strawberries was reported. In the western unties some alfalfa became almost large enough to cut, and ver exhibited luxuriant growth. There was complaint of e presence of Hessian fly in some unduly advanced wheat, general this crop has seldom presented a more thrifty appear-ce at the end of this month. Precipitation averaged consid-ably above normal and in large areas was excessive. The quency of showers led to some loss of time in corn gathering, account of the lateness of the corn crop, gathering was rted somewhat later than usual. Progress was fairly good, work being facilitated by the mild temperature and absence the usual blustery fall winds. The soil remained wet, due part to the excessive cloudiness; hence down corn, which med a rather large percentage of the crop in some districts, ntinued to deteriorate. Shocked corn remained in good con-ion. Dampness sufficient to soften tobacco for stripping, curred in two or three periods, and this work commenced in imited way. Stock fared well and less feeding than usual s required.

TEMPERATURE.

The temperature for the State, based on reports from 44 sta-ns, averaged 51.3°, which is 5.0° above normal. Minimum nperatures below freezing occurred less frequently than ual in this month. Maximum temperatures of 60° were orted on about 20 days, while in the western and southern unties they ranged between 70° and 80° on about 15 days. xtremes for the State were 82° on the 1st at several western tions and 13° on the 7th at Farmers.

PRECIPITATION.

Precipitation for the State, 82 stations reporting, averaged 01 inches, which is 1.48 inches more than normal. In the uth-central and extreme northern counties monthly amounts nged between 6.0 and 8.0 inches. In most other sections m 4.0 to 5.0 inches occurred, but there were limited areas the extreme southwest and in north-central districts near e Ohio River where amounts ranged between 3.0 and 4.0 hes. Light to moderate local showers occurred from the to 3d, and moderate to heavy rains in the periods 7-9th d 15-17th. Twenty-four hour rainfalls of 2.00 to 4.00 inches urred at many central and eastern stations on the 16-17th. ere were also light scattered showers in the last week. Pre-itation extremes were 7.95 inches at Greensburg, and 2.68 hes at Lockport on the lower Kentucky River. A few northern stations recorded total snowfalls of 1.0 to 2.5 inches. Thunderstorms were reported on the 2d, 4th, 7th, 11th, 15th and 30th.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.14	30.56	12	29.62	30	8714	12.1	39	n.	30
Cincinnati ..... Ohio	30.13	30.64	13	29.56	30	6655	9.3	38	w.	28
Evansville ..... Ind.	30.16	30.62	12	29.64	30	8472	10.4	49	nw.	30
Lexington ..... Ky.	30.15	30.60	13	29.59	30	11827	16.0	52	nw.	30
Louisville ..... Ky.	30.14	30.61	13	29.54	30	10028	13.9	52	nw.	30

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	83	71	70	131.7	305.6	43	7	11
Cincinnati ..... Ohio.	80	66	70	134.2	301.5	45	6	12
Evansville ..... Ind.	81	67	70	106.8	303.7	35	4	15
Lexington ..... Ky.	79	62	69	108.7	303.7	36	4	15
Louisville ..... Ky.	79	63	72	117.1	303.7	38	16	11

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature. Monthly average.	Departure from 25-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 25-year normal.	No. of days with .01in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	43.1	−3.2	85	10	6.04	+2.51	..	..	..	..	....
1890...	48.6	+2.3	81	19	4.87	+1.34	..	..	..	..	....
1891...	43.5	−2.8	75	16	6.04	+2.51	..	..	..	..	....
1892...	42.8	−3.5	78	9	3.85	+0.32	..	..	..	..	....
1893...	41.3	−2.0	79	− 2	3.42	−0.41	..	..	..	..	....
1894...	42.3	−8.0	80	18	1.92	−1.91	4	15	..	..	....
1895...	45.8	−0.5	85	16	4.29	+0.56	7	10	7	13	....
1896...	40.3	+3.0	80	11	5.61	+1.48	8	10	8	12	....
1897...	47.8	+1.5	78	12	4.60	+1.16	10	13	..	10	T.
1898...	43.2	−3.1	80	10	2.79	−0.74	8	12	7	11	0.5
1899...	49.8	+3.5	79	20	2.12	−1.41	5	11	5	14	T.
1900...	47.0	+0.7	83	15	7.78	+4.25	8	15	6	9	1.0
1901...	41.8	−4.5	82	11	1.52	−2.01	3	19	5	6	T.
1902.	53.4	+7.1	80	20	4.42	+0.89	11	11	6	13	0.3
1903...	52.5	+6.8	84	5	3.01	−0.52	8	12	7	11	2.0
1904...	44.7	−1.6	76	14	6.89	+2.61	3	15	5	9	T.
1905...	46.4	+0.1	75	14	3.55	−0.82	7	15	6	9	T.
1906...	46.1	−0.2	83	11	5.02	+1.39	7	13	6	11	2.3
1907...	44.2	−2.1	75	15	3.49	−0.64	7	14	5	11	0.1
1908...	48.6	+2.3	80	8	2.61	−0.92	7	14	7	9	0.2
1909...	54.7	+8.4	86	19	2.29	−1.24	6	15	6	9	T.
1910...	41.1	−5.2	78	11	2.07	−1.49	6	16	5	9	T.
1911...	41.6	−4.7	85	9	4.51	+0.88	8	10	4	16	0.8
1912...	45.2	−1.1	82	10	1.22	−2.31	4	16	5	9	0.2
1913...	50.5	+4.2	84	8	3.25	−0.28	9	12	5	13	0.3
1914...	46.9	+0.6	83	5	1.23	−2.30	5	18	5	7	0.4
1915...	48.8	+3.5	85	16	4.56	+1.25	9	15	7	8	0.4
1916...	47.8	+1.5	83	8	1.52	−2.01	4	20	4	6	T.
1917...	44.3	−2.0	78	11	1.23	−2.29	5	11	5	11	0.1
1918...	46.1	−0.2	77	10	1.76	−1.76	6	14	5	11	0.0
1919...	47.4	+1.1	78	16	7.31	+3.78	9	13	8	9	0.0
1920...	44.7	−1.6	79	10	2.21	−1.32	8	12	5	13	2.7
1921...	49.8	+3.5	79	20	5.56	+2.03	12	11	8	11	T.
1922	48.3	−2.0	87	30	3.35	−0.18	6	15	6	8	0.4
1923...	46.4	+0.1	77	16	2.65	−0.88	6	14	5	11	0.0
1924...	47.7	+1.4	83	12	1.82	−1.71	9	17	5	12	0.0
1925...	44.9	−1.4	79	8	5.13	+1.60	7	12	6	12	0.1
1926...	42.9	−3.4	80	6	2.40	−1.33	6	16	7	8	1.0
1927...	51.3	+5.0	82	13	3.01	+0.18	10	9	7	14	0.1

limatological Data for November, 1927.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	23	53.8	+ 6.9	82	1	21	6	37	4.86	+1.62	1.70	0	10	8	12	10	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	45	52.2	+ 4.9	79	1	26	6	35	4.37	+0.19	1.65	0	10	3	7	20	sw.	E. W. Horr.
Calhoun	McLean	437	23	53.5	+ 5.3	80	1†	24	6	37	4.74	+1.28	1.37	T.	11	2	17	11	s.	W. A. Taylor.
Earlington	Hopkins	420	37	53.6	+ 5.7	80	1	23	6	33	3.82	+0.08	1.23	0	8	12	7	11	sw	Brick Southworth.
Greenville	Muhlenburg	519	10	.....		80°	26	.....		.....	4.78	+0.79	1.38	0	10	11	7	12	s.	C. R. Lovell.
Hopkinsville	Christian	524	81	52.6	+ 4.1	82	11	23	20	35	4.51	+0.33	1.02	T.	10	4	5	21	s.	W. E. Graves.
Marion	Crittenden	571	29	51.7	+ 3.4	79	1	25	6	32	4.43	+0.71	1.32	0	8	1	7	22	nw.	B. C. Paris.
Mayfield	Graves	364	18	53.2	+ 3.9	80	1	25	6	37	3.27	−1.11	1.20	0	6	4	17	9	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	1	52.8	.....	82	1	22	20	35	3.46	.....	1.20	0	7	13	7	10	n.	Harry B. Arnold
Owensboro	Daviess	479	30	50.5	+ 3.3	78	1†	22	6	33	3.99	+0.53	1.08	T.	11	3	7	20	s.	Henry S. Berry.
Paducah (near) §	McCracken	516	10	53.0	+ 5.0	82	1	26	6	40	5.20	+0.91	1.50	0	9	10	8	12	se.	J. W. Lilley
Paducah	McCracken	341	88	.....		.....	.....	.....	.....	.....	5.04	+1.24	2.19	0	7	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	20	51.6	+ 4.7	80	1	24	6†	33	4.34	+0.22	1.10	0	11	2	15	13	s.	Dr. W. L. Cash.
Ramsey, Lock 2 ‡	McLean	384	10	.....		.....	.....	.....	.....	.....	4.51	+0.56	2.53	0	6	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	16	50.2	+ 2.9	78	11	22	19	38	3.39	−0.25	1.92	0	8	13	3	14	s.	Wm. Shelton.
Central Division.																				
Anchorage	Jefferson	700	26	49.2	+ 4.9	77	1†	18	6	36	3.69	+0.74	0.95	T.	13	13	1	16	se.	C. E. Barrot.
Bardstown	Nelson	637	20	51.1	+ 4.4	80	1	18	6	36	4.89	+1.51	2.60	0	9	7	0	23	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	800	38	53.0	+ 5.4	80	11	23	20	32	5.45	+1.64	1.50	T.	10	9	12	9	w.	Mrs. Lillie G. Causey
Bowling Green, No. 2	Warren	469	2	.....		.....	.....	.....	.....	.....	5.51	.....	1.71	0	10	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6 ‡	Edmonson	410	10	.....		.....	.....	.....	.....	.....	5.26	+0.71	2.00	0	8	.....	.....	.....	.....	Virgil M. Wasdin.
Burnside	Pulaski	773	36	.....		.....	.....	.....	.....	.....	7.14	+3.93	3.76	0	9	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	28	.....		.....	.....	.....	.....	.....	6.04	+2.86	1.90	T.	12	.....	.....	.....	.....	Charlie Oliver.
Cloverport	Breckenridge	422	13	.....		.....	.....	.....	.....	.....	3.51	−0.12	1.42	0	9	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 38	Campbell	489	1	.....		.....	.....	.....	.....	.....	6.20	.....	1.85	0	17	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	8	51.2	.....	79	1	23	18	40	4.99	.....	2.03	0	9	7	8	15	sw.	G. D. Glass.
Eubank	Pulaski	1177	33	51.2	+ 6.1	76	1	16	6	36	6.61	+3.44	2.30	T.	8	6	11	13	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	35	51.8	+ 5.4	76	1†	23	19	34	3.74	+0.35	1.80	T.	11	8	6	16	w.	Sidney Wood.
Franklin	Simpson	691	32	53.4	+ 3.6	81	11	25	20	37	5.24	+1.59	1.25	0	8	15	8	7	n.	M. E. Johnson.
Gest, Lock 3	Henry	449	16	.....		.....	.....	.....	.....	.....	4.03	+0.93	1.52	T.	13	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	6	51.4	.....	78	11	21	6	44	7.44	.....	2.40	1.2	7	12	10	8	s.	Dr. Lidella Edwards.
Grant, Dam 38	Boone	606	2	.....		.....	.....	.....	.....	.....	5.02	.....	1.72	0	15	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	681	34	50.8	+ 4.6	79	1	19	6	42	7.95	+4.54	2.30	0	15	3	1	26	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	25	.....		.....	.....	.....	.....	.....	5.01	+1.84	2.55	0	7	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckenridge	646	29	51.6	+ 5.0	77	11	24	6	34	4.15	+0.80	0.92	T.	10	9	5	16	sw.	W. J. Pigott.
Junction City	Boyle	985	33	50.9	+ 7.0	78	1	18	20	39	6.96	+3.66	2.34	0	14	16	4	10	s.	William F. Grubbs.
Lancaster	Garrard	1032	1	.....		.....	.....	.....	.....	.....	5.37	.....	2.24	0	8	.....	.....	.....	.....	L. J. Vanbook.
Leitchfield	Grayson	635	31	51.4	+ 4.9	78	11	23	19	34	6.82	+2.86	1.90	T.	12	4	12	14	s.	H. H. Willis.
Lexington	Fayette	989	43	49.7	+ 4.9	74	11	23	19	37	4.88	−1.40	2.48	0.3	11	9	6	15	sw.	U. S. Weather Bureau
Lindelichkman, Lock 8 ¶	Jessamine	523	16	.....		.....	.....	.....	.....	.....	5.37	+2.67	2.75	0	7	.....	.....	.....	.....	Horace Couter.
Lockport, Lock 2	Henry	476	17	.....		.....	.....	.....	.....	.....	2.68	−0.23	0.64	0	13	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	51	50.4	+ 3.7	77	11	26	19	34	3.65	−0.63	1.43	T.	13	5	10	15	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	17	50.8	+ 4.2	75	1	24	19	36	3.11	0.15	1.28	T.	13	9	5	16	s.	Who I. Hunt.
Munfordville	Hart	600	2	.....		.....	.....	.....	.....	.....	4.40	.....	1.57	0	6	.....	.....	.....	.....	C. R. Richardson.
St. John	Hardin	777	31	49.5	+ 3.8	76	1†	18	6	41	5.22	+1.69	1.10	T.	10	15	6	9	.....	Sisters of Loretto.
Salvisa, Lock 6 ¶	Mercer	490	13	.....		.....	.....	.....	.....	.....	5.45	+2.86	2.40	0	9	.....	.....	.....	.....	Ernest M. Searcy.
Scott ¶	Kenton	900	29	49.0	+ 4.2	75	1†	20	19	33	7.17	+4.32	1.66	1.0	15	3	9	18	s.	F. B. Wilson.
Shelbyville	Shelby	825	38	49.2	+ 4.8	77	11	17	6	38	5.10	+1.69	1.26	T.	16	6	4	20	sw.	Miss Ruth Rettig.
Taylorsville	Spencer	489	25	50.3	+ 5.5	76	11	20	6	36	3.96	+0.63	1.15	T.	10	9	6	15	nw.	E. D. Bourne.
Tyrone, Lock 5 ¶	Anderson	526	9	.....		.....	.....	.....	.....	.....	4.38	+1.7	2.00	T.	10	.....	.....	.....	.....	E. K. Vaughn.
Williamstown	Grant	948	24	48.6	+ 3.5	76	1	19	6†	32	5.91	+3.18	1.70	2.0	17	8	6	16	w.	Mrs. K. S. Hunlong.
Woodbury, Lock 4 ‡	Butler	533	10	.....		.....	.....	.....	.....	.....	4.79	+0.70	1.79	T.	11	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	10	52.6	+ 5.7	79	1	22	7	41	4.57	+0.99	3.10	0	9	7	0	23	s.	Curtis Purvis.
Beattyville	Lee	650	23	50.5	+ 5.6	78	1	20	20	38	6.11	+3.17	3.50	T.	9	4	13	13	s.	Robert S. Smallwood
Berea	Madison	1050	25	51.8	+ 4.5	78	1	20	19†	41	6.34	+3.24	2.33	T.	9	2	24	4	sw.	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	17	.....		.....	.....	.....	.....	.....	4.62	−1.96	2.00	T.	10	.....	.....	.....	.....	Kelly Walden
Crabbs	Harrison	684	9	.....		.....	.....	.....	.....	.....	3.89	+0.48	2.03	0	9	.....	.....	.....	.....	P. H. Rebuss.
Falmouth	Pendleton	600	38	.....		.....	.....	.....	.....	.....	4.74	+1.57	1.99	T.	13	7	8	15	se.	F. V. Oldham
Farmers	Rowan	688	19	51.6	+ 6.8	80	1	13	7	50	4.15	+1.09	2.00	0	6	15	6	9	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	2	.....		.....	.....	.....	.....	.....	5.30	.....	1.10	0	10	.....	.....	.....	.....	C. A. Glascock
Pond, Lock 10 ¶	Clark	593	11	.....		.....	.....	.....	.....	.....	5.21	+2.30	2.76	T.	9	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	2	.....		.....	.....	.....	.....	.....	3.81	.....	2.46	0	5	.....	.....	.....	.....	C. Frank Powers
Greenup, Dam 30	Greenup	510	7	.....		.....	.....	.....	.....	.....	4.04	.....	2.00	0	13	.....	.....	.....	.....	T. Mitchell.
Hazard	Perry	869	3	.....		.....	.....	.....	.....	.....	4.47	.....	1.55	T.	6	.....	.....	.....	.....	Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	661	10	.....		.....	.....	.....	.....	.....	6.19	+2.79	3.15	0	7	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	2	50.9	.....	76	1†	20	20	40	5.38	.....	2.05	T.	12	12	7	11	e.	Carl Napier.
Jenkins	Letcher	1566	2	.....		.....	.....	.....	.....	.....	5.09	.....	1.25	0	9	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	584	23	.....		.....	.....	.....	.....	.....	4.73	+1.76	2.55	0	7	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	521	30	50.8	+ 6.1	78	11	21	6†	35	4.71	+1.49	2.74	T.	15	8	3	19	s.	Perry E. Bennett
Middlesboro	Bell	1128	31	51.0	+ 5.0	75	1	17	7	44	3.92	+0.49	2.29	0	5	17	10	3	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	37	49.5	+ 5.5	79	1	19	19	38	5.67	+2.43	1.82	T.	8	10	4	16	w.	W. B. McKee.
Oneonta, Dam 35	Campbell	497	5	.....		.....	.....	.....	.....	.....	6.46	.....	2.04	T.	13	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	646	21	.....		.....	.....	.....	.....	.....	4.01	+1.32	1.12	0	8	.....	.....	.....	.....	Robert Rogers.
Prestonsburg	Floyd	646	2	.....		.....	.....	.....	.....	.....	3.73	.....	1.22	0	7	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breathitt	792	2	51.8	.....	79	1†	22	7†	12	6.59	.....	3.60	T.	7	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	9	.....		.....	.....	.....	.....	.....	5.32	.....	2.97	0	8	.....	.....	.....	.....	Walter L. Bush.
Richmond	Madison	926	36	52.3	+ 5.2	80	1	22	6†	38	6.57	+3.70	2.18	0	11	11	6	13	.....	P. W. Crooke.
Sergent	Letcher	1235	4	49.8	.....	80	1	21	20	42	5.18	.....	2.34	0	8	12	5	13	sw.	R. P. Crawford.
Valley View, Lock 9	Madison	541	14	.....		.....	.....	.....	.....	.....	6.15	+3.11	2.98	0	10	.....	.....	.....	.....	Thos. Sullivan.
Versailles, Dam 32	Lewis	525	12	.....		.....	.....	.....	.....	.....	4.78	+0.60	2.33	0	13	.....	.....	.....	.....	H. M. Tomlin.
Vineburg	Letcher	1142	2	.....		.....	.....	.....	.....	.....	3.87	.....	1.43	0	6	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	920	36	52.8	+ 5.5	80	1†	20	6†	14	7.86	+4.82	5.86	0	8	21	5	4	.....	Lawrence R. Uhl.
Willow, Lock 13	Lee	651	8	.....		.....	.....	.....	.....	.....	6.08	.....	3.25	T.	7	.....	.....	.....	.....	Shelby Angel.
State averages and extremes		.....	.....	51.3	+ 5.0	82	1	13	7	50	5.61	+1.48	5.80	0.1	10	9	7	11	s.	

All temperature data are taken from self-registering thermometers.

Use of data for frost and temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published in the table. Dashes indicate missing data. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River and the dates mentioned in connection therewith are division means.

Preliminary values. *, †, ‡, appearing in the table indicate number of days missing; for example, h represents two days, etc. ‖ Trace of precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

* Also on other dates. ° Record or non-homogeneous data not included in means and summaries. ¶ Precipitation not received.

¶Pond, Lock 10, Clark Co., Ky.; Lock 11, Madison Co., Ky.; Lock 12, Estill Co., Ky.; Lock 13, Nicholasville, Ky.; Lock 14, Red House, Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

[illegible] A windstorm at Lexington caused damage to roofs, windows, and wire [illegible] Sept. 20th at $25,000.

[illegible] 17.57in. caused a freshet in the upper Kentucky, and also a [illegible] reached at moderate stages until the end of the month.

Errata for October, 1927.

Woodbury, days precipitation .01 or more 6. Sergent, days clear 14, partly cloudy 2, cloudy 15. Smithville, days with precipitation 6. Lexington, minimum temperature on 29th 37°, maximum temperature on 8th 80; mean temperature for month 61.

Daily Precipitation for November, 1927.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G.	.10					.40	1.70				.20			.40	.40	.80							.20								
Blandville	M.	.11					1.65	.01		.02	.31				1.16	.79								.11								
Calhoun	G.	T.	.06		T.	T.	1.37	1.18		T		.18			.60	.40	.12	T.						.64		.20	.01	T	.24			
Earlington	G.		.10				1.02	1.23				.24			.86									.16		.12		T	.28			
Greenville	G.		.17			T.		.60	1.38	.02			.22		.60	.60	.65							.14					.24			
Hopkinsville	C.		.30					.31	1.02				.31		.74	.61	.66							.12					.28			
Marion	O.		T.			T.		1.13	1.32		T.		.14		.76	.63	.10					T		T.		.15			.26			
Mayfield	M.		.27						.80			.25			1.20	.66	.03														
Murray	T.		.44			T.		.15	.65	T.					1.20	.44	.15							T				T	.12			
Owensboro	O.		.04	T.				1.08	.58		T.		.10		.77	.81	.19							.12		.34	.04		.40			
Paducah (near) ¶	O.		.10					.75	1.50		.05		.30		1.05	1.05															
Paducah ‡	O.		.12					.17	2.19		.04		.40		T.	1.47	.65							T				T			
Princeton	G.		.20			.01		.80	1.10		.01	.35	T.		1.10	.58						T.	T.	.65			.01	T.	.10			
Rumsey, Lock No. 2 ‡	G.		.06	.03					2.58				.12			.76	.80							.64			.17					
Russellville ‡	G.	.29		.18						.03		.01	.07			.80	1.92									.09						
Central Division																																
Anchorage	O.	.05				.01		.57	.21						.42	.95	.42						.16	.06			.16	.02	.20	.41		
Bardstown	S.		.40			.07		.50	.50						.20	2.60	.16					.65							.42		
Bowling Green	G.	.63	.25	.10				.35	1.40						1.10	1.50	.50							.20					.42		
Bowling Green, No. 2 ‡	G.	.39	.04	.21					.94	.97					.91	1.71	.19							.06	.60				T.		
Brownsville, Lock No. 6	G.	.64	.06	.08					2.00	.04					.89	1.50	.15														
Burnside ‡	C.			.50	T.	.08			1.55	.08			.04		.74	3.76	.07							.32					T.		
Carrollton ‡ ‡ (Lock No. 1)	K.	.26	.22	.02				.58	.01				.13		.58	1.90	.07							.58			1.05		.04		
Cloverport	O.	T.	T.	.01		T.			1.42	.06			.10		.56	.02								.07			.20	.17			
Cold Spring, Dam 36 ‡	O.	.05	.10	.04		.11	T.		.25	.03	T.	T.	.09		.45	1.67	.06	.01	T.	T.		T.		1.25		.03	.02	1.85	.07	.12	
Dix Dam, Burgin ‡ ‖	K.	.07	.30					1.35	.23						.52	2.03	.10							.43					.35		
Eubank	G.		.15	.05				.28	2.30	.24					1.20	2.29								.10							
Frankfort	K.	.05	T.	.07		T.			.93	.06	T.	T.	.05		.58	1.80	.10	T.						T.	T.	T.	T.	.02	.03	.05	
Franklin	G.	.90	.23						.80						.34	.56	1.25							.21					.58		
Gest, Lock No. 3 ‡	K.		.19	T.	.06			.70	.04	.02					.62	1.52	.07	T.						.40	T.	.07	.26	.68	.06		
Glasgow	G.		.64					.10	2.00						1.81	1.25								.43					1.21		
Gaunt, Dam 38 ‡	O.	.10	.08		.03	.06			.25	.07	T.	.01	.04		.42	1.72	.10			T.	T.	T.		.46	.01	T.		1.63	.01	T.	
Greensburg	G.	.50	.28	.05	.05	.06		.45	2.30	.02			.03		.28	1.62	1.45							.24		.01			.62		
Hazle Bridge, Lock No. 7	K.	.10	T.	.28					1.21	.18					.56	2.55	.13														
Irvington	O.		T.					.92	.50		T.	T.	.23		.59	.66	.70	T.	T.				T.	.06			.65	T.	.16	.26	
Junction City	K.	.14	.14	.15		.02		.19	1.60	.03			.02		1.42	2.34				.02				.12	.02				.62		
Lancaster ‡	K.		.25						1.52	.20	.02				.88	2.24	.16							.08							
Leatherfield	G.	.45	.20			.05		1.10	1.90		T.		.20		.50	.78	1.05						T.	.07		T.			.05	.50	
Lexington ***	K.		.87		T.			.58	.71		.01	T.	.02		.21	1.98	.84	T.				T.	T.	.61	T.	T.		.02	.15		
Little Hickman, Lock No. 8	K.	T.	T.	.25					1.40	.27	T.					.57	2.75	.08							.05				T.		
Lockport, Lock No. 2 ‡	K.	.14	T.		.08			.64	.01	T.	T.				.61	.64	.01	T.				T.	.11	T.	.04		.06	.02	.26		
Louisville ***	O.		.03		.05			.60	.21		.1	.2			.57	1.14	.35	T.					.12	.07		T.	.18	.11		.20		
Do. (Cherokee Park)	O.		.03		.04			*	1.04			.01	.03		*	*	1.28						.08	.07			*	.14	.17	.22		
Munfordville ‡	G.	.12		.19					1.57						.96	1.45									.11						
St. John	S.	.30	.15			.02		.93	1.10				.02		.65	.95	.75					T.	T.		T.	T.		T.		.5	
Sedivisa, Lock No 6 ‡	K.	.15	.10	.30					1.25	.10			.15			.55	2.40	.45									T.	T.			
Scott	L.	.10	.20			.11				.29			.11		.11	1.04	1.25	T.				T.	.21	.37		.61	.52	1.66	.18	1.60	
Shelbyville	S.		.10	T.	.06			.10	.85		.03	T.			.43	.98	1.26	T.	.03				.04	.09		.04	.08	.05	.21	.77	
Taylorsville	S.	.18	.12		T.			.22	.86		.05				.26	.85	1.15					T.		T.					.07	.20	
Tyrone, Lock No. 5	K.		.26					1.18	.07	.02				T.	.57	2.30	.24	.02					.02			T.			.28		
Williamstown	L.	.04	.06	.01	.01	.06			.70		.04	.01			.12	1.12	1.70						.27	.26		.12	1.01	.40	.50		
Woodbury, Lock No. 4 ‡	G.	.20	.04	.18		T.		1.79	.03			.11			.96	1.24								.18	.15			T	.03		
Eastern Division																																
Ashland ‡	O.			.42		.14			.22	.21			.04			3.10	.32							.11	.01						
Beattyville	K.	T.		.55	T.				1.25	.43	.01		.08		T	3.50	.15	.02						.12							
Boyce	K.		.08	.15		T.		.10	1.03				.01		2.05	2.53	T.							.09		T.			.50		
College Hill, Lock No. 11 ‡	K.	.10		.30					1.00	.30	T.		.02			2.02	.10								.10						
Cynthiana ‡	L.	T.	.02	.25					.70	.07	T.	T.			.50	2.03	.12							.05	T.	T.			.06		
Falmouth ‡	L.	.06	.21	.05		.12			.40	.10	T.				.40	1.92	.15	T.				T.		.35				.84	.02	.5	
Farmers ‡	L.			.50					.80	.17					.25	2.00													.45		
Flemingsburg ‡	L.		.55	.40				.75	.15						.65	1.10	.90							.10	.26					.45		
Ford, Lock No. 10 ‡ ‖	K.	.04	.02	.35		T.			1.02	.19		T.			.77	2.70	.08	T.						T.	.04			T.		T.	
Grayson	O.			.62					.55			.08				2.40	.10														
Greenup, Dam 30 ‡	O.			.47		.20			.23	.15						2.00	.35	.02					.01	.23	.02			.14	.04	.04	
Hazard	K.			.65		.02			1.33	.73		T.				1.55	.15														
Hodgkinsburg, Lock No. 14 ‡	K.			.50					1.38	.50	.03					3.45	.19							.14							
Hudson	K.		.16	.52	.10	.05		.07	1.02				.09		.07	2.05	.02							.18					.05		
Jenkins ‡	K.			.58	.02				1.08	1.25		.05				1.05	.54	.06													
Louisa	B			.88	.02				.50	.46		.04				2.55	.28							.36							
Maysville ‡	O.	T.	T.	.15		.06			.27	.11	T.	.02	.01		.46	2.24		.04					.20	.05		.11	.44	.03	.22		
Middlesboro	C		.08	.40					.97							2.29								.18							
Mount Sterling	O.		.28	.18		T.		T.	.97		.02				1.76	1.82	T.					T.	.02						.62		
Nancy ‡	B		.12	.11					.31	.04	T.	T.	T.		.65	2.04	.38		T.				.80	.01		T.	1.37	.23	.14		
Nicholasville ‡	B			.38	.07				.52	1.12			.12	T.		1.10	.42							.28							
Prestonsburg ‡	B			.51					.78	.01			.06			1.25	.45							.10							
Quicksand ‡	K.			.53		T.			1.35	.70			.15			3.60	.10							.16							
Sawyers, Lock No. 12 ‡	K.	T.		.22					1.27	.33	.10	T.				2.95	.17	T.						.14							
Richmond	K.		.15	.20				.10	1.45		.02	T.	.01		.12	2.00	.01							.10					.35		
Sergeant	K.			.50		.05		.12	2.34	.05					2.12									.32							
Valley View, Lock No. 9 ‡	K.		.30					1.40	.10	.12	.02				.90	2.98	.26	.02						.01							
Versailles ‡	O.			.40		.13			.26	.18			.05		.40	2.33	.18		.02					.50					.40	.10	.03	
Williamsburg ‡	K.			.81					.90	.47						1.03	.19								.38						
Wilson, Lock No. 13 ‡	K.			.50		.05			.62	.53			.15			5.50	.14								.23						

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‖ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Long Oak.

Daily Temperatures for November, 1927.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	82	76	62	58	58	47	40	52	51	76	82	74	66	75	69	75	49	40	42	57	62	71	71	65	59	77	78	75	78	73	..	64.7
	Minimum	55	47	57	57	41	21	25	31	42	48	64	37	39	51	55	38	33	31	23	24	40	54	50	41	31	45	59	59	55	40	..	42.9
Blandville	Maximum	79	70	63	62	54	44	39	50	50	76	74	70	60	70	64	59	35	38	42	53	68	70	71	65	58	74	75	71	73	70	..	61.6
	Minimum	60	46	33	41	38	26	33	38	40	43	64	37	36	51	55	38	33	31	23	24	40	54	50	40	34	50	57	58	57	35	..	42.9
Calhoun	Maximum	80	76	64	65	56	46	42	52	49	74	80	75	64	74	70	58	39	41	47	55	61	71	70	66	60	76	78	72	76	73	..	63.7
	Minimum	57	46	34	37	42	24	29	34	41	47	63	38	46	54	58	38	35	30	25	27	43	54	50	42	38	42	58	59	56	43	..	43.3
Earlington	Maximum	80	76	59	62	58	44	40	53	50	76	79	71	62	73	65	61	38	39	42	52	61	70	71	66	62	76	76	74	77	70	..	63.3
	Minimum	61	46	32	35	44	23	28	38	42	49	64	38	34	56	58	38	37	31	26	25	47	55	52	42	30	46	60	63	58	38	..	43.9
Greenville	Maximum	74	73	55	56	54	48	37	51	49	74	75	73	59	68	67	68	38	32	41	50	61	66	69	66	60	80	74	74	..	..	..	960.0
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hopkinsville	Maximum	82	75	61	65	58	48	44	57	53	78	82	72	64	75	69	59	39	42	46	57	63	71	72	69	63	79	78	78	78	69	..	64.8
	Minimum	55	45	52	33	41	24	32	36	41	48	60	37	32	56	55	36	31	30	24	23	41	50	54	43	29	44	53	54	53	39	..	41.0
Marion	Maximum	79	70	61	62	57	42	35	50	48	75	75	60	60	72	68	58	36	39	42	53	61	71	68	61	54	73	74	73	74	68	..	60.7
	Minimum	60	46	34	38	42	26	30	35	40	45	60	36	32	55	57	34	30	29	26	31	46	56	61	42	38	45	59	60	59	36	..	42.7
Mayfield	Maximum	80	75	64	63	61	48	42	56	54	79	76	73	62	70	67	60	45	41	47	53	63	70	73	71	57	76	78	76	78	74	75	64.2
	Minimum	57	44	31	37	40	25	35	37	41	43	64	36	33	51	56	34	30	30	27	29	47	56	59	40	30	49	58	54	58	40	..	42.3
Murray	Maximum	82	73	61	66	59	48	46	59	55	79	78	70	65	75	65	58	37	41	48	57	65	72	73	65	57	78	77	75	76	72	..	64.3
	Minimum	55	47	31	32	41	24	32	40	42	47	62	37	32	54	55	35	31	28	25	22	46	55	57	38	28	46	58	56	57	37	..	41.4
Owensboro	Maximum	78	70	59	61	52	43	41	51	48	72	78	70	61	72	69	60	39	36	41	55	60	71	68	64	58	73	74	71	76	70	..	61.1
	Minimum	55	46	31	32	35	22	25	32	35	46	61	36	31	51	55	35	30	28	25	29	42	51	55	46	35	42	56	56	58	36	..	99.9
Paducah (near)	Maximum	82	76	63	66	62	47	42	51	54	78	78	72	68	72	67	60	41	47	53	64	70	73	67	60	77	77	72	75	70	..	..	64.2
	Minimum	61	44	31	35	32	26	33	37	41	41	64	32	34	54	52	35	30	29	27	30	46	46	60	40	33	49	58	60	55	37	..	41.7
Princeton	Maximum	80	75	59	62	57	44	37	54	51	76	77	70	61	73	65	58	38	38	43	58	62	70	71	64	48	70	76	73	75	70	..	61.9
	Minimum	55	44	31	32	41	24	30	35	40	47	62	37	32	50	58	37	30	29	25	24	42	54	59	43	28	43	57	58	54	38	..	41.3
Russellville§§	Maximum	77	57	57	62	46	45	50	50	55	71	78	50	67	72	66	44	33	40	42	53	66	68	72	54	54	72	78	78	78	68	..	59.8
	Minimum	56	56	34	36	39	23	28	35	42	43	55	39	30	42	56	44	32	31	22	24	29	30	54	54	34	38	54	56	56	58	..	41.0
Central Division.																																	
Anchorage	Maximum	77	64	57	57	45	44	38	47	45	69	77	69	61	75	69	58	42	33	38	52	58	71	69	63	62	77	71	75	71	74	69	59.2
	Minimum	52	43	31	33	33	18	25	32	38	38	61	33	31	48	53	42	32	27	19	21	38	52	56	42	38	50	61	61	47	37	..	39.3
Bardstown	Maximum	80	70	57	60	48	46	37	46	51	76	78	70	68	78	72	58	43	36	40	53	60	69	68	66	60	78	78	76	78	73	..	61.9
	Minimum	57	45	34	33	38	18	22	33	34	38	62	36	31	53	56	42	33	25	20	23	39	52	58	42	32	42	59	60	52	36	..	40.3
Bowling Green	Maximum	79	70	60	64	54	48	38	54	55	76	80	71	68	76	69	55	42	40	44	53	59	69	75	65	65	75	78	76	77	70	..	63.6
	Minimum	53	47	36	36	42	25	29	36	45	45	60	40	30	52	49	45	39	30	24	23	39	48	55	43	38	48	53	52	57	57	..	42.4
Dix Dam	Maximum	79	69	55	58	47	44	43	53	54	73	78	51	63	77	70	61	37	35	42	58	60	69	69	63	58	69	69	74	76	71	..	60.8
	Minimum	57	48	37	38	25	27	31	41	41	53	41	32	37	57	56	35	31	28	24	31	47	55	60	40	36	54	52	54	56	31	..	41.7
Eubank	Maximum	76	74	60	58	57	50	44	54	54	68	65	68	70	74	70	64	62	59	57	63	55	70	64	62	59	68	71	70	73	72	..	62.7
	Minimum	54	46	38	36	35	16	20	32	42	47	48	32	34	52	49	43	41	38	36	32	20	23	36	42	45	48	50	52	52	53	..	39.8
Frankfort	Maximum	76	74	55	57	56	44	41	47	49	70	76	75	60	74	71	60	46	36	39	50	60	68	68	64	54	68	75	72	74	72	..	61.1
	Minimum	54	48	38	37	40	24	29	33	40	40	61	41	31	47	54	44	33	31	23	24	38	48	58	44	40	36	60	60	52	64	..	42.5
Franklin	Maximum	80	69	61	62	64	55	49	54	54	77	81	72	70	73	68	58	43	39	44	55	66	72	69	65	60	77	78	73	76	70	..	64.3
	Minimum	56	47	36	38	38	27	31	38	42	48	61	39	33	55	55	38	32	31	26	25	42	44	46	52	42	47	55	57	56	57	..	42.5
Glasgow	Maximum	72	68	63	61	69	59	55	54	54	75	78	72	65	74	70	65	47	41	43	54	58	68	71	65	62	74	75	70	75	71	..	64.3
	Minimum	52	43	35	46	31	21	22	36	44	42	48	38	32	34	41	42	34	29	22	25	32	52	58	34	40	46	59	48	44	46	..	38.4
Greensburg	Maximum	79	72	57	55	54	44	37	53	53	75	78	73	68	77	72	57	43	36	38	54	60	64	70	66	55	73	76	71	76	71	..	61.8
	Minimum	50	44	34	35	37	19	22	31	45	38	60	39	26	48	52	40	31	28	20	20	31	49	55	42	37	38	56	56	56	62	..	39.9
Irvington	Maximum	76	68	56	60	52	43	38	51	48	70	77	72	61	72	65	58	41	36	39	51	69	68	67	63	55	74	72	71	74	69	..	63.2
	Minimum	58	48	37	37	38	24	27	35	42	46	64	38	34	55	55	40	34	32	25	27	44	53	59	45	39	46	56	60	57	39	..	43.1
Junction City	Maximum	78	64	57	59	52	44	36	52	53	72	77	71	66	76	74	64	46	34	42	53	62	69	69	64	58	70	75	70	74	70	..	61.7
	Minimum	52	45	36	37	39	22	20	31	41	36	55	39	27	49	55	44	31	24	19	18	32	51	60	42	38	39	58	60	51	52	..	40.1
Leitchfield	Maximum	77	68	57	61	54	42	37	53	50	72	78	72	64	78	67	56	39	35	40	52	57	67	66	65	57	73	75	72	74	68	..	60.8
	Minimum	56	46	33	36	40	24	27	38	42	44	62	38	33	58	55	39	38	29	23	25	42	53	57	42	36	45	57	57	56	42	..	42.0
Lexington	Maximum	74	63	51	53	41	38	42	50	45	68	74	66	61	73	68	60	41	31	35	48	58	65	67	62	60	65	72	69	71	69	..	57.8
	Minimum	58	44	37	38	28	25	29	34	38	45	59	38	31	57	55	41	30	26	23	25	40	50	56	40	38	46	58	58	58	52	..	41.2
Louisville	Maximum	76	67	56	56	45	41	38	45	50	70	77	72	59	73	68	58	40	34	37	51	59	67	64	63	54	72	72	70	74	69	..	58.5
Do (Cherokee Park)	Maximum	77	67	56	56	45	41	38	45	50	70	77	72	59	73	68	58	40	34	37	51	59	67	64	63	54	72	72	70	74	69	..	58.5
	Minimum	57	45	40	39	33	27	32	33	38	42	49	37	34	54	57	40	32	30	26	27	48	55	59	40	38	46	61	64	56	36	..	42.2
Do (Cherokee Park)	Maximum	76	67	56	56	45	41	38	45	50	70	77	72	59	73	68	58	40	34	37	51	59	67	64	63	54	72	72	70	74	69	..	58.5
	Minimum	57	45	40	39	33	27	32	33	38	42	49	37	34	54	57	40	32	30	26	27	48	55	59	40	38	46	61	64	56	36	..	42.2
St John	Maximum	75	68	58	49	40	44	40	52	53	72	76	62	74	78	70	59	41	36	35	50	58	67	69	63	52	71	75	71	74	69	..	59.7
	Minimum	53	44	34	33	30	18	23	30	40	42	55	36	30	56	54	37	30	28	19	20	38	50	42	39	38	44	58	56	51	43	..	42.0
Scott	Maximum	76	70	57	57	51	45	38	49	48	75	76	70	55	74	67	57	42	31	38	48	57	66	64	61	58	64	66	68	73	68	..	57.6
	Minimum	55	47	35	35	36	24	28	33	35	37	62	37	29	48	57	42	21	29	20	22	39	50	48	42	38	37	59	58	49	38	..	42.0
Shelbyville	Maximum	76	65	55	58	53	43	40	49	49	77	76	72	59	73	68	58	43	35	39	51	58	68	65	62	54	69	76	71	74	69	..	58.5
	Minimum	47	44	32	33	37	17	22	30	37	36	58	36	27	45	51	40	26	28	18	29	36	47	51	40	38	31	56	55	44	45	..	40.5
Taylorsville	Maximum	74	70	55	57	55	43	40	50	50	71	76	72	59	73	68	58	40	32	30	26	27	48	55	50	40	38	46	61	56	36	..	42.2
	Minimum	56	47	35	35	36	24	28	33	35	37	62	37	29	48	57	42	21	29	20	22	39	50	48	42	38	37	59	58	49	38	..	42.0
Williamstown	Maximum	76	67	58	53	52	42	40	42	48	65	74	70	56	70	67	58	44	32	35	46	57	66	64	59	52	67	65	68	72	69	..	60.3
	Minimum	55	46	33	34	33	27	30	30	36	37	60	38	27	47	57	43	29	29	19	22	28	49	57	41	37	40	59	57	50	62	..	39.8
Eastern Division.																																	
Ashland	Maximum	79	74	66	55	52	44	44	46	46	64	78	78	60	76	78	75	65	38	43	47	63	66	68	69	59	74	77	74	78	78	..	63.5
	Minimum	52	39	42	37	36	24	22	33	39	36	54	44	29	49	51	52	35	32	27	23	34	51	57	48	44	33	63	56	54	64	..	41.7
Beattyville	Maximum	78	67	55	57	49	44	41	50	50	72	77	69	65	76	72	62	51	35	40	52	58	63	68	63	60	68	75	71	74	72	..	61.4
	Minimum	51	46	39	35	36	27	22	33	46	48	46	37	27	40	49	51	33	32	21	26	27	37	61	40	32	32	57	55	51	51	..	38.6
Berea	Maximum	78	69	52	55	51	42	43	52	52	72	77	69	70	75	71	69	49	33	39	51	60	68	68	67	57	73	75	71	76	70	..	61.5
	Minimum	56	46	30	36	30	23	23	32	42	43	61	33	29	50	58	49	31	30	20	20	35	48	57	44	40	39	59	58	60	47	..	42.0
Farmers	Maximum	80	72	62	56	50	44	44	45	47	76	78	75	67	72	74	70	63	57	71	68	53	62	67	67	64	76	78	78	78	78	..	65.0
	Minimum	56	48	35	35	30	19	18	29	39	34	54	41	23	37	37	52	31	30	27	18	16	28	56	56	46	37	57	61	51	62	..	38.3
Hindman	Maximum	76	73	61	54	57	44	43	51	58	68	76	66	62	76	76	71	61	37	38	50	60	66	67	65	56	70	73	71	73	75	..	62.3
	Minimum	46	45	41	33	35	27	21	34	48	44	43	27	37	38	45	45	26	32	21	26	27	34	48	41	50	47	54	57	58	54	..	37.8
Maysville	Maximum	77	67	55	54	53	40	42	45	46	68	78	74	59	75	73	59	36	39	49	60	67	69	64	56	48	71	73	71	73	68	..	61.1
	Minimum	58	47	40	38	36	23	21	31	37	40	57	41	26	41	50	48	31	31	21	23	33	51	56	45	41	33	59	57	50	63	..	40.4
Middlesboro	Maximum	75	74	68	66	59	49	42	49	62	66	68	65	67	72	71	69	65	57	51	49	51	60	70	67	62	65	71	70	69	67	..	63.8
	Minimum	41	43	31	29	30	25	17	33	42	44	51	43	44	28	48	55	38	32	23	19	27	39	41	43	36	33	49	52	49	52	..	38.6
Mount Sterling	Maximum	79	64	62	64	45	49	40	49	61	70	77	66	59	76	64	61	45	36	39	51	61	67	68	64	55	70	76	72	76	71	..	60.7
	Minimum	52	44	37	34	32	20	22	31	38	37	57	38	45	54	49	31	29	19	20	32	46	50	42	25	32	55	57	51	45	..	..	38.3
Quicksand	Maximum	79	70	66	59	52	44	43	48	52	72	78	69	64	79	76	69	60	35	42	54	65	68	69	66	62	70	75	72	76	74	..	64.1
	Minimum	49	46	38	36	41	30	32	34	46	45	46	44	32	50	47	48	34	33	23	22	29	36	53	47	42	48	50	46	62	64	..	40.6
Richmond	Maximum	80	72	58	60	55	46	39	55	56	76	80	71	75	72	67	58	52	40	52	66	64	68	69	69	68	74	74	69	69	..	..	61.8
	Minimum	56	46	36	36	38	22	25	32	41	42	60	49	30	52	57	48	32	30	22	24	38	44	50	42	39	45	57	58	62	..	..	42.2
Sargent	Maximum	78	72	58	60	55	46	39	55	56	76	80	71	71	78	74	70	61	38	37	54	58	70	74	72	64	68	78	75	74	78	..	63.2
	Minimum	56	46	44	36	37	26	22	34	41	46	56	36	34	49	44	40	32	29	22	24	38	44	50	42	39	45	57	58	62	70	..	42.2
Williamsburg	Maximum	76	72	58	60	55	46	39	55	56	76	80	71	71	78	74	70	61	38	37	54	58	70	74	72	64	68	78	75	74	78	..	63.2
	Minimum	45	48	40	35	41	26	21	35	50	46	50	37	27	51	49	58	33	21	31	20	27	37	50	46	41	35	54	50	62	61	..	40.7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

W. B. O. Louisville 12-29-27. 1000.

1.C25
IHE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXII LOUISVILLE, KY., DECEMBER, 1927. No. 12

GENERAL SUMMARY.

Although the temperature for the month averaged near normal, the periodical variations departed widely from seasonal conditions. Temperatures far above normal occurred in the periods 11-15th and 28th-30th, with the weather springlike in character, winter clothing uncomfortable, and heat in houses often unnecessary. In striking contrast to this unseasonable mildness were the sudden descents of temperature to points near zero in the alternating cold waves of the 8-9th, 18-19th, and 31st. The first cold spell effectually checked the untimely growth of vegetation, and probably caused some injury. The recurring cold waves prevented further growth, hence the warm weather had no ill effect in this respect. It was highly favorable for handling tobacco and gathering corn, while moderate feeding sufficed to keep stock in good condition. Wheat suffered considerable discoloration from the severe freezes, which also caused some heaving of the soil where drainage was insufficient; but in general no marked injury to winter grains was apparent. In the second week frequent moderate to heavy rains kept the soil saturated and caused sufficient run-off to affect streams, but at other times soil drainage was somewhat better than usual in this month. Several days of fair weather early in the month caused corn to dry much better. About two weeks of fine weather later in the month, with nearly the full amount of sunshine and mean temperatures near freezing, greatly benefited corn in crib and contributed largely to the completion of gathering. The deep freezes and complete thaws quickly softened roads and led to serious injury. These thaws also rendered fields very muddy and interfered with the removal of corn and fodder. Except for a few showery days, the weather in the latter half was ideal for packing of meat on farms.

TEMPERATURE.

The average temperature for the State, as determined from the reports of 43 stations, was 37.4°, which is nearly normal. The remarkable variability is shown in the occurrence of maxima between 70° and 80° in the warm periods and of minima between 0° and 10° in the cold waves. The extremes were 77° at Williamsburg on the 13th, and 1° at Mt. Sterling on the 9th and at Farmers on the 10th.

PRECIPITATION.

The precipitation for the State, 80 stations reporting, averaged 3.37 inches, which is 0.71 less than normal. In the extreme southeastern counties it ranged between 4.0 and 7.0 inches, in other limited areas in the bluegrass region, the mountain district, and the lower Licking Valley, from 4.0 to 5.0 inches occurred. In other districts amounts were mainly between 2.0 and 3.5 inches. They diminished toward the western border to less than 2.0 inches in the southern counties of the Purchase. Snowfall varied between flurries in the western section and 3.0 inches in the southeastern counties. Light to moderate showers occurred in central and eastern districts on the 3-5th, and generally over the State on the 7-8th and the last three days. General rains were moderate to heavy in the period 11-16th. The monthly extremes were 1.35 inches at Mayfield and 6.70 inches at Middlesboro. Thunderstorms were reported from a few localities on the 12th.

MISCELLANEOUS.

Rivers:—A sharp rise in the Ohio from the 14th to 21st crested slightly above flood stage at a few stations on the northeast border and in the stretch between Cloverport and the mouth of the Wabash. Between Maysville and Louisville crests were from 1.0 to 6.0 feet below flood stage. Moderate stages prevailed in other streams on the State.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. (In inches reduced to sea-level. Average.	Highest.	Date.	Lowest.	Date.	Wind Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour	Direction	Date.
Cairo ..... Ill.	30.17	30.65	9	29.43	7	7883	10.6	40	sw.	13
Cincinnati ..... Ohio	30.15	30.68	9	29.36	7	7016	9.4	39	sw	"
Evansville..... Ind.	30.19	30.68	9	29.59	7	7804	10.5	45	w.	"
Lexington ..... Ky.	30.18	30.72	9	29.48	11	10821	14.5	50	sw.	13
Louisville ..... Ky.	30.17	30.68	9	29.35	7	9322	12.5	60	sw.	"

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	78	69	68	190.5	299.1	64	18	7
Cincinnati ..... Ohio.	84	68	70	141.5	293.4	48	11	13
Evansville..... Ind.	78	65	67	156.5	296.3	53	13	13
Lexington ..... Ky.	86	72	"	126.2	296.3	41	6	15
Louisville ..... Ky.	81	64	66	149.4	296.3	50	12	13

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature. Monthly average	Departure from 45 year normal.	Highest.	Lowest.	Precipitation. Monthly average	Departure from 45-year normal.	No. of days with .01in or more rain.	Average Number of Days. Clear	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	50.2	+12.6	76	13	1.57	−2.51	..	..	..	..	..
1890...	37.8	+ 0.2	70	12	3.51	−0.57	..	..	..	..	..
1891...	42.4	+ 4.8	70	19	4.30	+0.02	..	..	..	..	..
1892...	34.6	− 3.0	74	− 3	4.22	+0.14	..	..	..	..	..
1893...	36.0	− 1.4	78	10	2.69	−1.39	..	..	..	..	..
1894...	38.7	+ 1.1	76	−11	4.31	+0.25	10	..	..	..	..
1895...	38.8	+ 1.2	77	6	4.43	−0.35	9	7	..	15	..
1896...	39.6	+ 2.0	70	7	1.82	−2.96	4	14	7	8	..
1897...	38.0	+ 0.4	72	3	3.78	−0.35	10	5	8	18	2.5
1898...	30.1	− 3.5	70	−12	2.74	−1.34	8	13	5	10	5.3
1899...	34.5	− 2.8	70	−15	4.26	−0.18	10	12	4	11	6.7
1900...	38.6	+ 1.0	70	12	2.55	−1.49	8	13	5	12	1.7
1901...	32.8	− 5.0	72	−22	4.50	+0.92	10	7	6	18	6.7
1902...	36.7	− 0.9	72	3	7.28	+3.28	12	7	5	19	4.4
1903...	30.7	− 6.9	58	0	2.88	−1.26	7	16	6	9	3.4
1904...	36.4	− 1.2	72	2	4.30	+0.22	11	10	5	16	2.1
1905...	37.3	− 0.3	66	11	4.35	+0.26	8	11	5	15	1.3
1906...	39.0	+ 1.4	76	9	5.64	+1.55	15	6	4	21	1.6
1907...	38.5	+ 0.9	70	8	3.20	−0.88	11	8	5	18	1.0
1908...	39.8	+ 2.2	74	7	2.42	−1.66	9	11	6	14	0.4
1909...	29.9	− 7.7	70	−14	3.46	−0.62	9	10	5	16	3.8
1910...	31.1	− 6.5	66	3	3.57	−0.51	8	13	5	13	6.6
1911...	41.6	+ 4.0	74	21	6.35	+2.27	12	9	4	18	1.5
1912...	37.2	− 0.4	73	5	3.95	+0.16	7	11	5	15	1.2
1913...	39.5	+ 1.9	70	11	2.73	−1.08	7	16	5	10	1.6
1914...	32.8	− 4.8	70	−16	5.22	+1.14	14	5	4	21	3.7
1915...	37.0	− 0.6	64	8	7.59	+3.48	12	10	6	15	3.3
1916...	35.5	− 2.1	74	14	4.23	+0.15	10	12	7	12	1.2
1917...	26.5	−11.1	72	−21	2.01	−2.07	8	10	7	14	3.7
1918...	33.8	− 7.2	75	14	1.44	−0.66	12	10	6	15	9.7
1919...	34.6	− 3.0	68	3	4.93	+0.85	7	12	5	14	1.0
1920...	38.6	+ 1.0	68	4	2.89	−1.19	8	9	6	16	1.0
1921...	41.7	+ 4.1	73	18	4.46	+0.38	7	10	6	15	1.0
1922...	41.5	+ 3.9	77	5	5.64	+1.56	12	10	6	15	1.0
1923...	36.6	− 1.0	73	8	0.99	−3.09	4	9	5	17	1.2
1924...	35.2	− 2.4	70	2	3.97	−1.11	8	13	5	13	1.2
1925...	37.3	− 0.3	74	6	4.91	−0.17	7	7	7	17	1.7
1926...	37.7	+ 0.2	75	5	6.69	1.62	15	4	5	17	1.3
1927...	37.4	0.0	77	1	3.37	−0.71	10	14	3	13	0.8

Climatological Data for December, 1927.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days. With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	23	40.2	+ 3.1	73	13	7	9	44	2.60	−1.15	0.50	.....	11	17	5	9	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	45	37.2	+ 0.1	73	13	4	31	42	2.53	−1.51	0.66	0	8	16	0	15	nw.	E. W. Horr.
Calhoun	McLean	437	23	39.2	+ 1.0	73	13	9	9	48	2.78	−1.47	0.70	T.	10	13	5	10	ne.	W. A. Taylor.
Earlington	Hopkins	420	37	39.0	+ 0.9	73	13	7	9	46	2.94	−0.87	0.87	T.	9	17	2	12	n.	Brick Southworth.
Greenville	Muhlenburg	619	10	38.2	− 0.5	74c	13	6c	9	43c	2.29	−1.99	0.63	0	10	16b	3b	10b	s.	C. R. Lovell.
Hopkinsville	Christian	524	31	39.6	+ 1.1	75	13	8	9	49	2.28	−2.50	0.93	0.2	9	18	4	14	n.	W. E. Graves.
Marion	Crittenden	364	16	40.4	+ 0.5	73c	13†	10b	9	43b	1.35	−3.40	0.54	.....	5	14b	3b	12b	sw.	B. C. Paris.
Mayfield	Graves	412	1	38.8	.....	76	13	7	9	41	1.69	.....	0.99	0	4	17	7	7	s.	Mrs. C. R. Sowell.
Murray	Calloway	479	30	38.8	− 1.2	71	13	8	31	44	2.28	−1.52	0.75	T.	7	14	4	13	nw	Harry B. Arnold
Owensboro	Daviess	516	10	38.7	− 0.9	73	13	9	9	41	3.08	−1.66	1.03	.....	6	15	1	15	nw.	J. W. Lilley
Paducah (near)	McCracken	341	38	.....	.....	.....	.....	.....	.....	.....	3.33	−0.53	0.80	.....	8	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	529	20	37.2	− 1.2	73	13	8	9	41	2.35	−2.03	0.75	T.	10	14	3	14	n.	Dr. W. L. Cash.
Princeton	Caldwell	384	10	.....	.....	.....	.....	.....	.....	.....	2.58	−1.26	0.68	T	8	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2‡	McLean	390	16	36.0	− 2.4	74	13	6	9	37	2.29	−1.81	1.01	0	8	21	1	9	s.	Wm. Shelton.
Russellville	Logan	590	16	36.0	− 2.4	74	13	6	9	37	2.29	−1.81	1.01	0	8	21	1	9	s.	C. E. Barret.
Central Division																				
Anchorage	Jefferson	700	26	35.7	− 2.1	69	13	4	9	46	3.71	−0.27	1.16	T.	10	17	1	13	nw.	Mrs. Emily T. Sisco.
Bardstown	Nelson	637	30	36.2	− 0.6	72	13	4	9	50	3.97	−0.35	1.21	.....	9	14	0	17	n.	Mrs. Lillie G. Causey.
Bowling Green	Warren	500	88	39.6	+ 1.1	76	13	7	9	38	2.43	−2.11	1.10	T.	8	15	3	13	w.	J. Frank Thomas.
Bowling Green, No. 2	Warren	469	2	.....	.....	.....	.....	.....	.....	.....	3.40	.....	0.72	0	10	.....	.....	.....	.....	Virgil M. Wrahn.
Brownsville, Lock 6	Edmonson	449	10	.....	.....	.....	.....	.....	.....	.....	2.77	−2.26	0.61	T.	10	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	773	36	.....	.....	.....	.....	.....	.....	.....	4.31	+0.02	1.02	0.5	11	.....	.....	.....	.....	Shelby Angel.
Carrollton, Lock 1	Carroll	422	28	.....	.....	.....	.....	.....	.....	.....	3.21	−0.03	0.96	.....	8	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckenridge	422	13	.....	.....	.....	.....	.....	.....	.....	2.99	−1.83	0.74	0.5	10	.....	.....	.....	.....	W. L. Patchell.
Cook Spring, Dam 36	Campbell	489	1	.....	.....	.....	.....	.....	.....	.....	4.86	.....	1.28	.....	9	.....	.....	.....	.....	G. D. Glass.
Dix Dam, Burgin	Mercer	770	3	35.0	.....	68	11	5	8	43	3.01	.....	0.77	.....	7	12	1	18	n.	Mrs. Katie Payne.
Eubanks	Pulaski	1177	33	.....	.....	.....	.....	4	9	.....	3.12	−0.75	0.75	3.0	7	1	15	14	s.	Sidney Wood.
Frankfort	Franklin	560	35	38.2	+ 1.0	72	13†	8	9	48	2.42	−1.17	0.86	T.	8	13	2	16	w.	M. E. Johnson.
Franklin	Simpson	691	32	39.5	− 0.7	74	13	8	9	38	2.59	−1.93	1.10	0	7	18	9	4	n.	Albert Purvis.
Hardyville	Henry	449	16	.....	.....	.....	.....	.....	.....	.....	4.16	−0.25	0.98	.....	12	.....	.....	.....	.....	Dr. Fidella Edwards.
Lock 3	Barren	780	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bert Ross.
Glasgow	Barren	506	2	.....	.....	.....	.....	.....	.....	.....	3.12	.....	0.76	0	9	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn
Grant, Dam 38	Boone	581	34	36.6	− 0.3	72	13†	4	9	47	3.14	−1.20	0.64	T.	14	11	3	17	se.	Miss Lulu Wood.
Greensburg	Green	550	25	.....	.....	.....	.....	.....	.....	.....	2.57	−1.81	0.73	0.5	9	.....	.....	.....	.....	W. J. Piggott.
High Bridge, Lock 7	Jessamine	646	29	37.6	+ 0.9	71	13	9	9	45	2.84	−1.18	0.70	T.	9	15	3	13	sw.	William E. Grubbs.
Irvington	Breckenridge	985	33	36.8	+ 0.6	71	13†	3	9	46	4.37	−0.16	0.95	.....	17	15	10	8	sw.	L. J. Vanhook.
Jamestown (R)	Boyle	1052	1	.....	.....	.....	.....	.....	.....	.....	3.58	.....	0.86	.....	10	.....	.....	.....	.....	H. H. Willis.
Lancaster	Garrard	695	31	38.0	+ 1.4	71	13	7	9	42	3.52	−1.31	0.80	0.4	13	11	3	17	sw.	U. S. Weather Bureau.
Lebanon	Grayson	989	42	35.0	− 0.8	70	13	2	31	51	3.64	+0.32	1.30	0.4	13	11	3	17	sw.	Horace Canter.
Lexington	Fayette	923	16	.....	.....	.....	.....	.....	.....	.....	3.77	−0.28	0.70	.....	11	.....	.....	.....	.....	Andrew J. Keenan.
Middletown, Lock 8¶	Jessamine	476	17	.....	.....	.....	.....	.....	.....	.....	2.05	−2.21	0.48	.....	8	.....	.....	.....	.....	U. S. Weather Bureau.
Lockport, Lock 2	Henry	525	54	35.8	− 1.8	70	13	3	31	53	2.89	−0.84	0.90	0.1	10	14	5	12	s.	Wm. I. Hunt
Louisville	Jefferson	534	17	37.0	− 0.8	70	13	8	19	44	3.46	−0.99	1.33	T	8	15	2	14	s.	C. R. Richardson.
Louisville, Cherokee Park	Do.	660	2	.....	.....	.....	.....	.....	.....	.....	1.56	.....	0.30	0	8	.....	.....	.....	.....	Sisters of Loretto.
Mannerdville	Hart	777	31	35.4	− 0.0	75	13	3	9	45	3.83	−0.72	1.50	T.	8	18	6	7	.....	Ernest H. Sowrey.
Mt. Lebanon	Bardin	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.13	+0.24	1.10	.....	9	.....	.....	.....	.....	E. B. Wilson
Nelson, Lock 6¶	Mercer	496	13	.....	.....	.....	.....	.....	.....	.....	4.55	+1.17	1.25	0.2	12	10	8	13	w.	Miss Ruth Ratta.
Scott ¶	Kenton	900	29	34.2	− 0.5	67	13	4	9	41	4.31	−0.42	0.80	T.	14	16	1	14	sw.	E. D. Bourne.
Shelbyville	Shelby	825	38	33.4	− 1.6	71	13	4	9	40	3.58	−0.76	0.65	T.	11	15	1	15	s.	H. K. Vaughn.
Taylorsville	Spencer	489	25	36.4	+ 1.2	71	14	5	9	43	3.05	−1.38	1.00	.....	6	.....	.....	.....	.....	Mrs. E. S. Hunalong.
Tyrone, Lock 5¶	Anderson	526	9	.....	.....	.....	.....	.....	.....	.....	4.04	+0.53	0.95	.....	13	11	9	11	nw.	J. C. Stinson.
Williamstown	Grant	932	24	35.0	+ 1.5	67a	14	38	9	43a	2.16	−2.17	0.54	T.	9	.....	.....	.....	.....	Curtis Purvis.
Woodbury, Lock 4‡	Butler	523	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Robert S. Smallwood.
Eastern Division																				
Ashland	Boyd	534	10	38.0	− 1.3	75	14	7	9	45	2.71	−0.70	0.70	0.8	12	10	0	21	w.	Samuel M. Mayfield.
Beattyville	Lee	653	23	36.8	+ 1.1	74	13	10	26b	41	3.62	−0.71	0.79	0.5	13	8	6	17	w.	Kelly Walden
Berea	Madison	1070	25	38.8	+ 2.2	73	13	4	9	45	3.00	−1.37	0.80	2.0	11	8	13	10	sw.	P. H. Kehoe.
College Hill, Lock 11	Madison	691	17	.....	.....	.....	.....	.....	.....	.....	2.81	−1.93	0.75	1.0	12	.....	.....	.....	.....	I. V. Oldham
Cynthiana	Harrison	684	9	.....	.....	.....	.....	.....	.....	.....	3.62	−0.57	0.90	T.	9	.....	.....	.....	.....	Mrs. R. F. Stamper.
Falmouth	Pendleton	666	38	.....	.....	.....	.....	.....	.....	.....	3.90	+0.05	1.07	T.	9	.....	.....	.....	.....	C. A. Glascock
Fagusville	Bourbon	668	19	36.8	− 0.8	69	13	1	10	53	4.29	+0.10	1.00	.....	8	16	4	11	e.	John A. Walters.
Flemingsburg	Fleming	841	2	.....	.....	.....	.....	.....	.....	.....	3.85	.....	1.05	.....	8	.....	.....	.....	.....	ol. Frank Powers.
Ford, Lock 10¶	Clark	593	11	.....	.....	.....	.....	.....	.....	.....	3.57	−0.26	1.10	3.2	11	.....	.....	.....	.....	T. Mitchell.
Grayson	Carter	589	2	.....	.....	.....	.....	.....	.....	.....	2.59	.....	0.52	1.2	10	.....	.....	.....	.....	Chas O. Ihrig.
Greenup, Dam 30	Greenup	540	7	.....	.....	.....	.....	.....	.....	.....	3.66	.....	0.92	.....	12	.....	.....	.....	.....	S. C. Cole.
Hazard	Perry	869	3	.....	.....	.....	.....	.....	.....	.....	3.53	.....	0.81	T.	12	.....	.....	.....	.....	Carl Napier.
Hockaday, Lock 14	Lee	664	10	.....	.....	.....	.....	.....	.....	.....	3.44	−1.26	0.72	.....	11	.....	.....	.....	.....	R. R. Davidson.
Hyden	Knott	1032	2	36.4	.....	72a	13	8a	9	48a	4.31	.....	0.66	.....	13	.....	.....	.....	.....	Russian Copley.
Jenkins	Letcher	1566	2	.....	.....	.....	.....	.....	.....	.....	2.87	−0.63	0.81	.....	9	.....	.....	.....	.....	Perry E. Bennett
Louisa	Lawrence	580	23	.....	.....	.....	.....	.....	.....	.....	3.65	−0.17	0.69	T.	12	9	7	15	s.	Matthew Woodson.
Maysville	Mason	524	30	36.4	+ 1.8	71	14	5	9	44	5.70	+1.92	1.25	.....	8	16	11	4	.....	W. R. McKee.
Middlesboro	Bell	1128	31	40.7	+ 1.3	68	13†	4	22	47	4.15	−0.09	1.18	2.0	12	9	6	16	nw.	Andrew M. Stanforth.
Mount Sterling	Montgomery	920	37	35.5	− 0.6	69	13†	1	9	41	4.96	.....	1.23	T.	10	.....	.....	.....	.....	Robert Repass.
Owenton, Dam 35	Campbell	497	5	.....	.....	.....	.....	.....	.....	.....	2.54	−1.24	0.58	T.	11	.....	.....	.....	.....	E. C. Hall.
Pikeville	Pike	636	21	.....	.....	.....	.....	.....	.....	.....	3.99	.....	0.59	0	12	.....	.....	.....	.....	R. W. Jones.
Prestonsburg	Floyd	640	2	.....	.....	.....	.....	.....	.....	.....	4.20	.....	0.76	1.0	12	.....	.....	.....	.....	Walter P. Bush.
Quicksand	Breathitt	732	2	38.2	.....	73	13	8	9	47	3.39	.....	0.87	.....	7	.....	.....	.....	.....	J. W. Crooke
Ravenna, Lock 12	Estill	631	9	.....	.....	.....	.....	.....	.....	.....	5.22	+1.27	1.05	2.0	13	11	3	17	.....	R. P. Crawford.
Richmond	Madison	996	35	36.8	− 0.3	71	14	6	9	37	5.36	.....	1.50	1.0	11	14	6	11	n.	Thos. Sullivan.
Sergent	Letcher	1235	4	35.6	.....	73	13	9	9	43	2.34	−2.16	0.50	.....	10	.....	.....	.....	.....	H. M. Fannin.
Vanleer, Lock 9	Madison	743	14	.....	.....	.....	.....	.....	.....	.....	3.87	−0.01	1.10	.....	10	.....	.....	.....	.....	G. H. Zimmerman.
Vanceburg, Dam 32	Lewis	525	12	.....	.....	.....	.....	.....	.....	.....	3.85	.....	0.74	.....	10	.....	.....	.....	.....	Lawrence R. Uhl.
Whitesburg	Letcher	1142	2	.....	.....	.....	.....	.....	.....	.....	5.99	+2.12	1.02	2.0	11	23	4	4	.....	W. C. Combs.
Williamsburg	Whitley	999	36	40.2	+ 1.1	77	13	6	9	52	2.43	.....	0.65	.....	9	.....	.....	.....	.....	
Zeiglerville, Lock 13	Lee	671	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
State averages and extremes				37.4	− 0.2	77	13	1	9†	53	3.37	−0.71	1.50	0.5	10	14	4	13	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal for temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. T Precipitation is less than 0.01 inch rain or melted snow. ‡Lone Oak.

• Also on other dates. †† Record or tie into to be included in means and summaries. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

¶Four different locations. Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8 Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

Errata for November, 1927

Greenville [illegible] mean temperature should be 50.7

Daily Precipitation for December, 1927.

Station	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
eaver Dam	G					T.	.22	.20	.05		.12	.66	.50	.20	.20	.35	.30	.05										.50	.29	.05		
andsville	M									.12	.66	.12	.20	.64		T												.28		T	T	
elmont	G							.12	.05	T.	.70	.30	.67	.30	.64	T												.32	.05			
arlington	G									.18	.52	.87	.14	.43	.14	T												.57	.31	.06	T	
owling Green	G									.46		.10	.06	.41	.32	.04												.63	.31	.05	.10	
opkinsville	C							.13			.09	.17	T.	.93	.18	.01												.60	.11	T	.08	
anton	O						T.			T.	.88	.12	.29	.22	T													.45	.12		T	
arfield	M	.10										.54		.17														.26		.18		
urray	T					T.				T.	.42	.11	.52	T.														.57	T	T		
ewsboro	O							.21	T.		.73	.21	.75	T.	T.	T												.24	.08	.16		
dcah (near) ¶	O							.20			1.03		.90	.05														.56		.20		
dcah (1)	O	.32						.17			.80	.35	.21	.80	T													.08	.60			
nceton	G							.15			.01	.75	.16	.50		.06	T												.60	.40	.01	.05	
nsey, Lock No. 2	G	.18						.12				.50	.42	.68	.26		T.												.45		T		
sellville	G	.31						.05	.10			.05	.26		1.01	.07													.40				
Central Division																																
chorage	O							.22			T.	1.16	.44	.94	.06	.16	T											.48	.65	.69	.10	
rdstown	S							.31				.72	.32	1.21	.10	.32												.44	.2	.56		
wling Green	G					T.		.20			T.	.10	.38	.05	1.10	.05	T.											.50		.65	T	
wling Green, No. 2	G							T	.11			.09	.04	.16	.73	.66	.64												.19	.31	.72	
rowsville, Lock No. 6	G	.35						.03	.19			.22	.33	.11	.61	.04	T												.58		.31	
rnside	C	.52	.36	T.					.17				.26	.56	.53	.04	.32	T											.65	.04	1.02	
rrollton (Lock No. 1)	K	.48							.14			.10	.88	.22	.96														.45		.18	
overport	O	.16						.09	.06	T.		.25	.62	.74	.45		.05	T.											.53		.04	
ld Spring, Dam 36	O	.79							.20	T.		.45	.65	.56	1.28		.18	T.		T.									.58		.37	
x Dam, Burgin	K	.08										.77	.51	.65	.47														.15		.35	
nnank	K	.68						.12					.20		.50		.72													.15		.75	
nnkfort	K	T					T.	.10	T.			.20	.87	.30	.14	T	.34	T.		T.									.44		.10	
nklin	G							.10				.26	1.10	.05	.55													.33		.20		
st, Lock No. 3	K	.47						.03	.28			.17	.58	.52	.38	.03	.38	T.									T		.54		.34	
sgow	G																															
nt, Dam 38	O	.76							.13			.20	.49	.28	.75		.02												.55		.14	
rnsburg	G	.12	.12					.08	.16			.18	.84	.01	.64	.07	.47											.26	.06	.03	.28	
gh Bridge, Lock No. 7	K	.11	.05					.12				.27	.29	.53	T.	.73													.14		.50	
vington	O	.02						.16	T.		T.	.70	.15	.63	.54	.13	T.											.39	.19	T	T	
nion City	K	.03	.12	.12			.01	.11	.13			.25	.66	.41	.95	.23	.84	.15									.02	.23	.10	.46	.60	
ncaster	K	.40	.15						.21			.05	.58	.28	.58		.86												.48		.29	
rtchfield	G						T.	.30	T.		T.	.60	.40	.40	.56	.30	T											.60	.26	.16	.12	
xington	K		.01					.08	T.		.01	.54	1.30	.42	.01	.54	.07	T.	T.									.16	.69	.45	.56	
ttle Rockman, Lock No. 8	K	.40	.10					T	.13			.10	.44	.52	.70	.10	.63												.20		.45	
ckport, Lock No. 2	K						T.	.23	T.		.16	.26		.18	T.	.26		T.										.35		.48	.01	
ysville	O							.24	T		T.	.71	.66	.58		.11	.61			T.								.34	.05	.60	.10	
Do. (Cherokee Park)	O							.06	.24				1.33	.43	.50	.15	T.												.47	T.	.28	
nfordville	G	.30							.11			.11	.14	.13	.30	.14													.27			
John	S							.27	.30			.48	.48	1.50	T.		T.											.10	.65		.05	
lvisa, Lock No 6	K	.52							.24			.70	.20	.70	1.10		1.60												.42		.25	
tt	L						T.	.01	.05		T.	.90	.32	1.25	.75	.10	.01			T.								.70	.64	.01	.44	
bbyville	S	.03						.15	.20		T.	.80	.70	.37	.55	.46	.11			.05									.24	.46	.01	.46	
vlorsville	S							.12	.05		T.	.65	.29	.53	.46	.31	.46												.10	.24	T	.55	
yrone, Lock No. 5	K							.11				.80	1.00	.68			T			T								.36	T.	.20		
llamstown	L	.20						.15	.10			.95	.51	.25	.46	.82	.15											.08	.47	.02	.83	
odbury, Lock No. 4	G	.17						T.	.24			.21	.19	.07	.52	.07	T.												.54		.15	
Eastern Division																																
shland	O	.28	.17	.08					.16			.04	.38	.38	.20		.70	.15											.06		.11	
ttsville	K	.33	.22	.04					.15				.32	.28	.79	.06	.46	.06		T.	T.								.23	.13	.65	
ren	K		.10					.05	.10			.16	.75	.24	.69	.65	.80			T.								.01		T.	.06	
llege Hill, Lock No. 11	K	.25	.10					T.	.02			.10	.33	.42	.40	.05	.75	.04											.15	T.	.30	
nthiana	L	.40							.12			.10	.83	.50	.24		.80	T.											.38	T.	.13	
lmouth	L	.40						T.	.21			.16	1.07	.22	.57		.35	T.											.41		.26	
rmers	L		.10										.70	1.00	.50	.70	.76												.10		.27	
nningsburg	L							.40					20	1.05	.60		.80	.30											.10		.40	
ord, Lock No. 10	K	.30	.09						.18	T.		.11	.12	.47	1.10	.02	.74	T											.07		.80	
yson	O	.20	.19						.16				.52	.44	.21		.51	11											.03		.35	
reener, Dam 30	O	.30	.06						.16			.02	.63	.70	.18		.92	.02											.02	.01	.07	
zard	K	.30	.60	.37					.07				.20	.25	.80	.14	.23	T											.81	.06	.60	
ssberg, Lock No. 14	K		.20	.04	T.				.20				.34	.33	.72	.05	.53	.17											.19		.07	
dson	K	.16	T.					.04	.03				.84	.05		.45	.33			T.	T.	T.							.86		.77	
ckins	K	.36	.66	.52	.13								.26	.28	.14	.27	.28	.10											.65		.49	
uisa	B	.11	.21	.18								.13	.40	.81	.35	.03	.25	.03														
ysville	O	.21	.02						.13			.14	.99	.57	.29	.02	.83	T.	T.											.07		.03	
ddlesboro	C		1.08					50					.05		.35	.90	.50												1.20		1.15	
mont Sterling	L	T.						.21	.32			.27	.32	.81	.86	.29	1.18											.48	.19	.06	.11	
monia Dam 35	O	.45							.48			.20	.88	.54	1.23		.28												.63	.65	.28	
keville	B	T.	.32	.18		.12			.18				.16	.58	.12	T.	.22	.16		T.	T								.52	T.	.18	
rtonsburg	B	.36	.35	.32					.11				.35	.28	.59	.28	.18	.10											.56	T.	.31	
cksand	K	.45	.50	.10					.10			.14		.40	.58	.10	.24		.18										.63		.56	
wsons, Lock No. 12	K	.18	.10						T			T.	.87	.68	.85	T	.78	T.											T		.56	
lmond	K	.30	.12					.05	.17			.30	.30	.70	1.40	.08	.05											.16	T.	.09	.20	
rgent	K	.25	1.05		1.50	.02			.11				.40			.48	.45												.52	.01	.58	
lley View, Lock No. 9	K	.02						.12			.14	.30	.46	.67	.04	.50	.08														.67	
ncesburg, Dam No. 32	O	.46							.05			.18	1.10	.96	.60		.27												.12	.02	.28	
hiteshurg	K	.20	.72	.10					.23				.93	.38		.29	.56	T.											.74		.53	
lliamsburg	C	.65	.04	.15					.17				.35	.81	.58	.10	.53												1.02		1.60	
llow, Lock No 13	K	.35	.18					.20				.30	.35	.76		.56												.16		.60	

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. † Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking (K) Kentucky (S) Salt (G) Green (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Daily Temperatures for December, 1927.

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																
Beaver Dam	Maximum ...	67	43	46	49	50	57	63	62	33	45	55	65	73	72	62	59	43	34	30	39	45	46	39	45	47	47	57	48	64	62	56	51.7
	Minimum ...	32	31	25	25	25	29	49	40	7	20	35	54	64	50	51	24	20	19	12	13	18	15	18	15	18	16	21	40	47	51	12	28.8
Bloomfield	Maximum ...	42	40	45	47	58	62	22	32	42	54	60	65	73	56	57	32	37	30	25	33	42	44	40	39	47	47	52	52	60	55	38	45.9
	Minimum ...	29	29	23	25	39	20	10	10	27	41	53	52	56	47	29	20	25	19	14	15	20	21	22	18	23	24	28	38	51	49	4	28.4
Calhoun	Maximum ...	46	42	44	48	47	55	63	62	30	41	52	65	73	70	59	44	38	33	28	39	45	46	41	42	45	46	54	50	66	60	56	49.3
	Minimum ...	36	30	25	25	26	35	48	14	9	25	41	52	63	49	44	22	23	15	18	14	18	18	23	20	23	24	24	40	47	48	6	28.3
Carrollton	Maximum ...	41	40	43	44	46	57	64	49	30	46	55	67	73	59	60	43	39	30	28	36	40	43	37	38	42	45	52	50	61	60	55	47.5
	Minimum ...	31	32	25	27	26	32	49	13	7	26	43	55	59	50	43	22	25	19	15	13	19	16	18	15	17	17	18	41	49	52	9	28.4
Darlington	Maximum ...	...	43	45	...	49	57	65	52	31	55	...	63	74	72	62	51	41	36	29	38	42	45	37	41	43	47	58	51	61	62	55	†50.1
	Minimum ...	...	31	25	...	28	30	47	12	6	22	...	23	63	48	51	21	21	16	12	16	18	15	19	17	21	19	20	39	47	50	12	†26.4
Greenville	Maximum ...	...	41	45	...	49	57	65	52	31	55	...	63	74	72	62	51	41	36	29	38	42	45	37	41	43	47	58	51	61	62	55	†50.1
	Minimum ...	...	31	25	...	28	30	47	12	6	22	...	23	63	48	51	21	21	16	12	16	18	15	19	17	21	19	20	39	47	50	12	†26.4
Hopkinsville	Maximum ...	43	42	47	48	49	57	66	61	32	43	54	65	75	72	62	53	42	36	30	39	43	46	43	42	46	49	55	56	63	62	54	50.8
	Minimum ...	31	32	25	29	33	29	47	12	8	27	39	51	62	46	51	26	19	17	14	12	18	15	19	18	20	19	23	37	45	44	14	28.3
Marion	Maximum ...	40	39	45	45	46	56	62	58	38	38	53	65	72	70	56	38	37	31	26	37	40	44	38	40	43	49	51	53	60	57	40	47.8
	Minimum ...	29	30	22	25	25	39	50	10	9	28	36	53	61	48	38	15	23	17	12	12	18	23	22	19	22	24	30	38	48	40	6	28.3
Mayfield	Maximum ...	57	43	46	47	50	59	66	60	33	40	56	68	73	73	60	46	43	36	29	...	43	46	...	44	44	47	53	52	59	59	57	†51.0
	Minimum ...	29	31	24	26	25	39	47	11	10	26	38	54	64	46	45	21	24	26	14	...	13	19	...	20	21	22	22	38	49	49	14	†29.8
Murray	Maximum ...	52	41	48	48	51	62	68	62	35	42	55	66	76	65	62	55	40	35	29	38	42	46	42	41	45	48	55	52	62	63	56	49.1
	Minimum ...	30	32	24	25	22	28	31	12	7	25	37	54	64	45	52	21	20	17	15	13	15	14	17	20	19	16	16	35	50	52	15	26.6
Owensboro	Maximum ...	45	39	43	43	45	55	65	55	29	43	59	65	71	60	68	43	34	28	26	37	39	42	38	43	46	47	57	51	64	62	54	49.3
	Minimum ...	29	29	28	25	24	35	34	9	6	21	35	46	47	47	37	19	19	16	9	12	12	25	22	20	22	21	20	36	38	43	8	25.6
Paducah (near)	Maximum ...	44	42	48	50	49	58	63	45	34	46	55	66	73	65	59	38	38	33	28	39	42	43	44	43	49	50	58	51	62	59	55	49.8
	Minimum ...	29	30	28	25	24	40	45	12	9	26	37	54	60	48	38	21	23	18	15	14	17	19	20	17	18	19	21	38	50	49	14	28.1
Princeton	Maximum ...	41	40	44	45	45	57	64	46	31	42	54	66	73	72	59	41	37	32	26	38	41	42	40	43	46	52	56	56	67	65	58	48.6
	Minimum ...	28	31	23	25	23	28	40	11	8	22	39	52	63	46	41	20	20	16	12	11	19	19	19	22	20	20	22	36	50	52	20	26.9
Russellville§§	Maximum ...	50	40	43	44	48	58	62	21	39	47	59	65	74	69	66	39	39	31	29	35	40	43	38	41	43	44	53	50	62	60	22	46.0
	Minimum ...	32	32	28	25	24	25	42	18	6	10	39	41	58	48	49	23	23	17	14	12	14	15	16	11	19	18	19	38	49	49	22	26.0
Central Division.																																
Anchorage	Maximum ...	38	39	38	44	45	57	58	39	27	43	52	62	69	64	57	45	37	29	23	36	40	42	37	40	42	43	52	48	59	59	54	45.8
	Minimum ...	24	28	25	24	21	24	39	13	4	17	39	52	61	49	45	23	19	15	8	13	15	13	17	14	17	13	17	35	52	50	22	25.6
Bardstown	Maximum ...	48	39	39	43	48	56	58	38	29	48	56	63	72	63	63	44	38	30	22	36	39	43	41	40	42	43	54	52	60	62	58	49.7
	Minimum ...	30	31	26	21	21	28	30	14	4	19	43	53	62	51	41	24	23	15	9	12	14	12	18	14	18	14	18	35	45	48	6	25.8
Bowling Green	Maximum ...	46	41	45	46	52	63	66	45	30	48	57	68	76	71	62	48	42	36	28	36	46	46	42	45	48	48	56	58	61	63	56	50.6
	Minimum ...	33	33	27	25	25	31	45	14	7	19	41	53	62	50	50	28	25	18	12	19	18	20	18	20	20	20	19	36	47	48	18	28.7
Elizabethtown	Maximum ...	41	40	36	44	45	59	63	20	28	58	68	68	59	61	39	34	37	26	21	34	38	43	36	40	42	43	52	54	58	61	53	44.8
	Minimum ...	32	28	24	25	26	40	15	5	6	26	56	52	51	24	21	22	18	10	10	13	18	18	17	21	16	16	17	41	45	50	13	25.1
Elkhorn	Maximum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum ...	42	43	41	42	45	48	50	33	4	18	22	23	24	29	29	23	11	16	10	9	11	6	14	15	18	18	20	21	43	39	18	24.4
Frankfort	Maximum ...	60	40	40	43	55	56	58	56	26	46	54	63	72	72	61	61	58	36	28	33	38	42	38	40	40	39	50	49	58	62	60	48.9
	Minimum ...	36	35	28	25	24	25	46	15	8	19	38	53	62	52	49	28	23	19	10	14	18	13	18	14	21	15	15	36	48	49	16	27.5
Franklin	Maximum ...	47	42	41	47	52	60	59	51	35	47	58	64	74	71	62	50	41	36	28	36	42	42	39	42	46	47	58	56	61	65	54	50.0
	Minimum ...	32	33	27	25	26	37	48	14	8	20	41	41	62	51	57	24	24	20	15	14	19	17	21	18	22	22	22	37	43	43	16	29.0
Glasgow	Maximum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Greensburg	Maximum ...	67	39	38	41	49	55	59	59	37	45	60	64	72	72	61	61	42	37	28	36	41	38	38	44	48	37	54	49	63	64	59	49.4
	Minimum ...	30	31	26	23	17	23	44	12	4	12	37	53	61	48	43	22	16	17	10	10	15	16	12	11	16	12	12	12	46	42	15	23.9
Lexington	Maximum ...	40	40	37	44	43	55	60	43	27	43	53	63	71	67	59	48	36	29	25	35	40	42	36	39	38	42	51	49	60	60	55	46.0
	Minimum ...	32	32	26	26	24	30	43	13	9	28	41	55	53	52	45	23	23	19	11	16	20	18	24	20	22	22	24	40	49	50	10	29.1
Lexington	Maximum ...	42	39	37	44	43	55	60	43	27	43	53	63	71	67	59	48	36	29	25	35	40	42	36	39	38	42	51	49	60	60	55	46.0
	Minimum ...	32	32	26	26	24	30	43	13	9	28	41	55	53	52	45	23	23	19	11	16	20	18	24	20	22	22	24	40	49	50	10	29.1
Lexington	Maximum ...	82	52	26	26	24	30	43	13	9	28	41	55	53	52	45	23	23	19	11	16	20	18	24	20	22	22	24	40	49	50	10	29.1
	Minimum ...	58	75	36	42	50	59	58	59	27	52	56	63	71	71	60	59	43	35	27	35	39	43	36	39	38	42	51	49	60	60	55	46.0
Lexington	Maximum ...	42	39	37	44	43	55	60	43	27	43	53	63	71	67	59	48	36	29	25	35	40	42	36	39	38	42	51	49	60	60	55	46.0
	Minimum ...	32	32	26	26	24	30	43	13	9	28	41	55	53	52	45	23	23	19	11	16	20	18	24	20	22	22	24	40	49	50	10	29.1
Lexington	Maximum ...	42	39	37	44	43	55	60	43	27	43	53	63	71	67	59	48	36	29	25	35	40	42	36	39	38	42	51	49	60	60	55	46.0
	Minimum ...	32	32	26	26	24	30	43	13	9	28	41	55	53	52	45	23	23	19	11	16	20	18	24	20	22	22	24	40	49	50	10	29.1
Lexington	Maximum ...	42	39	37	44	43	55	60	43	27	43	53	63	71	67	59	48	36	29	25	35	40	42	36	39	38	42	51	49	60	60	55	46.0
	Minimum ...	32	32	26	26	24	30	43	13	9	28	41	55	53	52	45	23	23	19	11	16	20	18	24	20	22	22	24	40	49	50	10	29.1
Lexington	Maximum ...	42	39	37	44	43	55	60	43	27	43	53	63	71	67	59	48	36	29	25	35	40	42	36	39	38	42	51	49	60	60	55	46.0
	Minimum ...	32	32	26	26	24	30	43	13	9	28	41	55	53	52	45	23	23	19	11	16	20	18	24	20	22	22	24	40	49	50	10	29.1
Louisville	Maximum ...	38	29	26	25	28	33	22	11	9	22	44	54	54	50	30	22	22	17	9	15	24	23	26	20	25	26	28	50	57	57	46	34.7
	Minimum ...	30	30	26	25	24	28	18	6	6	22	44	54	54	51	38	21	20	17	8	12	21	22	23	19	19	17	26	36	47	48	9	26.8
Louisville	Maximum ...	50	39	36	39	41	54	57	57	26	42	54	61	70	69	57	56	36	32	25	34	38	40	32	34	39	38	40	50	58	59	57	45.3
	Minimum ...	31	30	25	23	26	28	48	15	9	25	37	50	56	48	47	23	22	18	8	15	22	19	23	17	19	18	18	35	46	48	14	27.5
Louisville (Cedar Park)	Maximum ...	45	39	37	43	46	55	60	42	18	42	55	64	75	69	64	49	41	29	25	38	41	39	39	36	41	40	49	55	60	63	55	45.9
	Minimum ...	28	29	24	23	25	28	10	3	5	18	32	53	51	48	46	20	20	15	10	15	21	23	23	20	23	26	26	33	34	39	10	25.0
Louisville	Maximum ...	52	36	34	39	42	49	51	51	21	40	49	59	67	65	55	44	35	30	23	27	36	44	37	38	34	38	45	46	56	55	51	42.5
	Minimum ...	29	29	24	23	24	25	44	10	4	16	35	48	50	46	44	22	19	15	5	11	22	17	23	18	13	16	17	28	43	47	16	24.8
Madisonville	Maximum ...	47	38	38	40	44	58	59	60	31	61	71	69	74	71	62	53	41	36	29	31	33	33	33	34	34	36	45	46	56	55	55	43.3
	Minimum ...	28	29	24	21	21	23	45	14	6	26	38	53	61	50	51	24	21	18	10	13	18	15	12	16	12	15	29	44	42	45	12	23.6
Maysville	Maximum ...	49	39	38	41	45	58	57	55	36	53	61	71	73	70	58	49	38	33	26	34	38	41	36	39	38	40	48	48	58	58	56	47.3
	Minimum ...	31	32	27	24	26	28	42	14	5	15	33	51	59	50	50	24	21	18	10	13	16	11	14	13	13	12	18	30	46	46	16	26.6
Maysville	Maximum ...	62	40	38	39	42	54	56	56	24	43	51	66	73	66	67	56	55	34	31	27	29	33	41	38	37	37	37	46	57	60	55	†45.4
Morgantown	Maximum ...	29	29	24	21	23	25	12	11	3	14	35	49	60	47	44	22	18	15	5	11	20	15	21	14	14	14	19	29	...	46	16	†24.5
Eastern Division.																																
Ashland	Maximum ...	72	49	46	41	50	52	61	64	25	55	59	62	73	75	60	59	37	37	29	35	52	42	36	37	35	36	48	50	59	63	59	48.9
	Minimum ...	38	34	36	28	26	29	17	7	15	39	51	56	51	45	25	18	19	12	14	23	19	15	15	10	14	14	14	33	47	48	22	28.2
Beattyville	Maximum ...	54	40	38	36	50	56	60	57	30	51	58	62	74	67	61	58	41	31	27	31	36	43	33	36	41	40	51	53	62	65	58	48.3
	Minimum ...	33	35	30	29	32	28	37	16	16	31	37	51	53	51	45	29	25	17	11	16	20	22	15	12	14	13	14	19	16	21	45	34.1
Bellefonte	Maximum ...	40	38	38	41	48	59	59	60	27	51	58	63	74	70	56	52	39	37	27	31	36	42	32	36	42	42	50	52	59	62	59	48.3
	Minimum ...	33	32	27	24	25	27	34	15	5	17	35	51	51	50	50	22	20	17	10	11	20	28	17	18	21	18	17	33	48	49	18	29.0
Bellefonte	Maximum ...	40	38	38	41	48	59	59	60	27	51	58	63	74	70	56	52	39	37	27	31	36	42	32	36	42	42	50	52	59	62	59	48.3
	Minimum ...	33	32	27	24	25	27	34	15	5	17	35	51	51	50	50	22	20	17	10	11	20	28	17	18	21	18	17	33	48	49	18	29.0
Bellefonte	Maximum ...	68	60	57	52	56	51	42	40	56	25	56	62	64	56	60	66	64	40	35	29	32	19	38	40	40	40	62	56	59	62	60	†51.5
	Minimum ...	60	60	50	42	46	51	42	40	56	25	56	62	64	56	60	66	64	40	35	29	32	19	38	40	40	40	62	56	59	62	60	†52.2
Burgess	Maximum ...	60	32	26	30	36	39	34	14	7	1	26	52	56	48	46	22	16	12	7	11	15	12	16	19	12	9	9	10	44	52	20	†29.2
	Minimum ...	60	32	26	30	36	39	34	14	7	1	26	52	56	48	46	22	16	12	7	11	15	12	16	19	12	9	9	10	44	52	20	†29.2
Hindman	Maximum ...	62	46	40	36	48	56	61	62	25	51	62	61	72	68	60	59	38	34	24	27	36	44	37	38	34	38	45	46	56	55	51	†45.5
	Minimum ...	36	34	36	26	26	24	32	20	8	18	34	54	56	48	40	24	11	14	9	12	13	14	14	12	11	11	11	30	46	48	16	†29.2
Hindman	Maximum ...	62	46	40	36	48	56	61	62	25	51	62	61	72	68	60	59	38	34	24	27	36	44	37	38	34	38	45	46	56	55	51	†45.5
	Minimum ...	36	34	36	26	26	24	32	20	8	18	34	54	56	48	40	24	11	14	9	12	13	14	14	12	11	11	11	30	46	48	16	†29.2
Maysville	Maximum ...	58	39	39	45	45	56	58	59	25	50	59	62	70	70	58	49	45	37	30	29	33	42	33	38	38	38	45	46	56	55	51	45.5
	Minimum ...	32	34	28	24	23	23	35	15	5	12	35	48	58	49	45	27	16	19	9	14	23	12	19	13	13	11	14	29	45	47	20	28.1
Middlesboro	Maximum ...	48	35	36	38	50	56	45	21	9	14	27	45	59	59	55	51	26	17	16	26	38	36	36	36	37	36	46	49	51	57	53	42.5
	Minimum ...	36	33	34	31	36	37	38	35	26	31	44	47	59	55	55	36	26	25	22	25	30	26	28	26	26	26	28	36	42	47	26	33.8
Mount Sterling	Maximum ...	60	32	26	23	22	25	15	13	1	10	29	53	51	48	47	16	12	10	8	9	16	15	18	14	18	14	15	29	47	48	16	24.5
	Maximum ...	60	40	38	26	30	60	49	31	54	61	61	53	71	64	61	41	36	26	32	35	43	34	36	40	60	55	54	58	65	54	58	48.3
Olympia	Maximum ...	30	38	32	24	26	25	36	20	8	12	36	52	57	49	46	25	17	19	13	12	17	14	15	14	12	13	17	30	47	49	16	29.2
	Minimum ...	30	38	30	20	20	27	27	14	7	11	27	44	57	51	50	23	20	18	13	12	16	17	20	18	18	18	18	30	47	49	16	29.2
Richmond	Maximum ...	32	34	35	23	26	36	40	14	6	18	44	54	62	51	56	24	18	16	12	24	28	32	27	32	44	48	50	44	54	54	60	60	61	53.0
	Maximum ...	70	60	56	53	53	56	60	61	33	52	62	64	73	70	60	59	59	28	32	27	32	24	15	15	13	14	14	11	19	41	32	26.8
Somerset	Maximum ...	36	34	34	23	21	28	38	22	9	14	32	53	55	52	48	24	18	18	16	12	24	15	15	13	14	14	11	19	41	52	67	63	57	33.8
	Maximum ...	71	43	42	51	56	61	59	64	41	50	59	69	77	71	60	60	59	46	30	35	40	47	40	49	50	46	54	55	63	62	57	53.8
Williamsburg	Maximum ...	39	36	32	29	32	25	43	12	6	11	29	54	59	49	50	23	20	19	14	10	15	13	18	13	18	14	18	46	41	49	20	29.7

§§ Incorrect; should be read in the morning. The maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* Estimated, respectively 1, 2, 3 etc., days missing from record.

† Mean of records for [illegible] days.

.05
KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXII LOUISVILLE, KY., ANNUAL, 1927. No. 13

GENERAL SUMMARY.

The outstanding features of the year's weather were the warm winter after the middle of January, with premature growth of vegetation; the severe freezes in late April, which caused considerable injury to fruits and bluegrass; the heavy precipitation in January, March, April and May, which prevented plowing, caused extensive floods, and delayed most planting until the first of June; the abnormally cool August; and the warm and exceptionally favorable fall. The temperature for the year averaged considerably above normal; but there were marked variations, practically reaching the extremes of past records, in the monthly means. The months, January to May, and September to December, were warmer than normal; while the summer months were relatively cool. February mean temperature equaled the highest ever recorded, while the November mean has been exceeded only twice. On the other hand, only one August of record has departed farther below the seasonal average than this one, which had a mean temperature lower than September following. Except in February, precipitation far above the normal occurred from January to May, inclusive. The quantity of rain in April and May, however, was less decisive in its influence on agriculture than its remarkable frequency. In these two months there were only a few days when the soil was in condition to be worked or when planting could be properly done. This resulted in very late crops and a decided curtailment of acreage of both corn and tobacco. Even in the first half of June, when most of the planting occurred, the soil remained generally too wet. Wheat grew rank and partly failed to fertilize, causing light heads. The failure of fertilization during the rainy weather also affected the setting of fruit. Weather for harvest late in June was fairly satisfactory, and for threshing in July was excellent. The dryness and high percentage of sunshine in July and August were rather favorable for corn, offsetting to a considerable extent the effect of the low temperature. Crops were retarded, however, from lack of moisture. The highly favorable weather of September and October rapidly matured the belated crops and increased expected yields. General killing frosts did not occur until the first week in November. Ideal weather prevailed in the period of fall seeding, with moisture sufficient to insure germination. Vigorous growth continued during the warm November, and grains entered the winter in unusually fine condition. Pastures remained good until early in December. Corn gathering was favored by high temperature but delayed somewhat by frequent rains.

The Weather By Months.

JANUARY.—The first half was decidedly cold; but the last half abnormally warm, with frequent and excessive rains. Floods occurred in most streams of the State during the third week.

FEBRUARY.—The month was remarkably warm and fairly dry, with conditions favorable for outdoor work and for handling tobacco. Peach buds expanded until they showed color and some shrubs began putting out leaves. As a rule the snow melted off soon after it fell.

MARCH.—A short cold period at the beginning was followed by prevailing mild weather, in which vegetation made rapid advancement. Fruit trees were blossoming by the middle of the month. Frequent rains prevented most outdoor work. Tobacco plantbeds could be sown only occasionally. Some plowing was done in the short period of good weather near the end.

APRIL.—Warm weather predominated during the first two decades, with marked growth of vegetation. The frosts of the 22d-25th caused damage to strawberries, then in full bloom, to the extent of about half of the crop. Precipitation was frequent and heavy. Much level land was covered by standing water. Very little plowing was done and practically no corn was planted.

MAY.—The month was extremely unfavorable, with almost daily rains and farm work nearly impossible. Because of topography and somewhat lighter rainfall, some progress in plowing and planting was made in the eastern and southern districts. Precipitation was the highest of record for May. Even the best drained uplands were worked too wet.

JUNE.—The month was cool with normal precipitation. Plowing and planting were pushed with soil generally too wet. In the western counties most of the corn crop was planted in the last two weeks. Tobacco setting was also finished later than usual. Cultivation was difficult and crops remain generally weedy.

JULY.—The month was rather dry with moderate temperature. Early corn and tobacco on hills and uplands were suffering for rain when it came near the end. Shocked wheat cured out well and was threshed in excellent condition. The weather also favored hay harvest. There was marked improvement in cultivation.

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature. Mean.	Departure*	Highest.	Lowest.	Precipitation Average	Departure*	Number of Days. Of precip. (.01 in. or more)	Clear.	Pt. Cldy.	Cloudy.	Av. depth of Snow. (in.)
1889	55.6	−0.9	104	3	35.97	−0.77					
1890	57.1	+0.6	101	4	58.82	+13.08					
1891	56.3	−0.2	100	0	49.69	+ 3.95					
1892	55.3	−1.2	101	− 6	41.25	− 4.49					
1893	55.5	−1.0	101	−22	44.71	− 1.03					
1894	57.1	+0.6	105	−12	55.81	+10.93					
1895	55.0	−1.5	104	−18	38.47	− 7.27		156	103	104	
1896	55.6	+1.1	106	−12	44.18	− 1.66	94	151	111	104	
1897	57.2	+0.7	107	−16	46.72	− 0.98	111	168	97	100	8.1
1898	57.2	+0.7	103	−12	52.38	+ 6.64	103	153	110	102	17.5
1899	56.4	−0.1	105	−33	46.38	+ 0.64	102	155	105	106	24.1
1900	57.7	+1.2	104	− 9	41.40	− 1.34	110	160	102	104	12.9
1901	56.3	−1.2	112	−22	35.65	−10.09	88	164	83	111	11.7
1902	56.5	0.0	107	− 3	44.55	− 1.39	102	162	91	112	14.0
1903	55.8	−0.7	104	−16	41.16	− 4.28	106	150	87	108	12.9
1904	55.5	−1.2	100	− 9	35.10	−10.64	100	162	88	116	9.7
1905	55.8	−0.7	106	−16	47.08	+ 1.94	114	161	78	126	38.1
1906	57.0	+0.5	100	−12	48.84	+ 3.10	103	152	78	135	14.5
1907	56.1	−0.4	102	11	47.76	+ 2.12	119	155	73	137	14.5
1908	57.7	+1.2	104	− 2	41.94	− 3.80	109	160	82	115	9.0
1909	56.5	0.0	104	−14	51.36	+ 5.62	108	158	82	125	10.0
1910	55.3	−1.2	100	−20	50.07	+ 4.93	111	168	74	123	30.6
1911	58.0	+1.5	106	−16	46.77	− 1.08	117	157	87	121	6.6
1912	54.6	−1.9	100	−20	47.93	+ 2.16	108	165	74	126	27.0
1913	57.9	+1.4	109	− 2	47.46	+ 1.72	107	161	77	127	5.8
1914	56.3	−0.2	109	−16	41.86	− 3.94	106	161	80	124	22.7
1915	56.2	0.3	103	0	53.92	+ 8.08	114	150	90	125	14.4
1925	56.2	−0.3	102	−14	45.49	− 0.25	106	174	87	104	23.9
1917	55.5	−1.0	100	21	46.01	+ 0.27	106	155	91	119	42.8
1918	56.5	0.0	111	20	40.64	− 5.10	105	150	87	119	24.9
1919	57.8	+1.3	104	1	52.13	+ 6.39	116	176	81	114	9.7
1920	55.5	−1.0	100	6	46.59	− 1.16	104	154	81	131	10.1
1921	56.1	+0.6	103	11	49.42	+ 2.68	113	156	84	125	13.0
1922	58.5	+2.0	103	1	44.43	− 1.31	119	150	87	128	3.0
1923	57.1	+0.6	99	− 4	53.92	+ 8.18	115	161	81	123	3.9
1924	55.0	−1.5	107	9	42.08	− 3.66	105	169	79	118	8.3
1925	57.6	+1.1	110	− 8	41.11	− 4.62	104	168	85	112	10.4
1926	56.1	−0.4	107	−11	49.95	+ 4.21	129	149	89	127	16.1
1927	57.8	+1.3	103	5	53.43	+ 7.69	123	157	85	120	10.5
Means and Extremes	56.5	0.0	112	−33	45.33	0.41	109	151	87	117	14.4

*Compared with 37 years' normal.

Climatological Data for the Year 1927.

Stations	Counties	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number of days				Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION																				
Beaver Dam	Ohio	441	24	59.4	101	Sept. 14	0	Jan. 15	25	53.57	10.36	Mar.	1.90	Feb.	.....	105	194	80	91	s.
Blandville	Ballard	445	46	58.5	94	Sept. 14	0	Jan. 15	49	69.63	12.36	May	0.80	Aug.	7.6	109	123	80	162	sw.
Calhoun	McLean	437	24	59.6	98	Sept. 14	0	Jan. 15	25	61.21	9.52	Jan.	1.65	Aug.	12.5	122	99	176	190	e.
Earlington	Hopkins	420	38	59.4	100	Sept. 14	0	Jan. 15	38	59.45	10.16	Mar.	1.03	Aug.	7.8	124	213	41	111	sw.
Greenville	Muhlenburg	519	11	.....	95	July 1	2	Jan. 15	11	56.84	11.58	Mar.	0.74	Aug.	8.0	120	181[i]	126[i]	54[i]	s.
Hopkinsville	Christian	524	32	59.9	103	Sept. 15	− 1	Jan. 15	32	62.94	9.94	Mar.	1.89	Feb.	0.7	117	151	71	143	se.
Marion	Crittenden	571	30	58.8	95	July 1[f]	− 2	Jan. 15	31	62.24	9.53	Mar.	1.15	Aug.	7.0	98	126	106	133	nw
Mayfield	Graves	364	19	60.4	102	Sept. 16	0	Jan. 15	19	.....	.....	.....	.....	.....	.....	.....	116[f]	158[f]	85[f]	sw.
Murray	Calloway	412	1	59.5	100	Sept. 14[f]	0	Jan. 15	1	63.38	12.71	Mar.	1.05	Aug.	3.0	83	174	108	83	s.
Owensboro	Daviess	479	31	57.0	96	June 30[f]	4	Jan. 15	31	59.75	10.75	May	0.82	Aug.	4.5	121	164	62	129	s.
Paducah (near)	McCracken	516	11	60.1	102	Sept. 14	0	Jan. 15	11	69.60	10.95	May	2.37	Feb.	.....	100	192	71	102	sw.
Paducah	McCracken	341	.....	.....	.....	.....	.....	.....	39	72.35	13.25	April	1.69	Feb.	4.5	102	.....	.....	.....	.....
Princeton	Caldwell	529	21	57.7	96	June 30	− 1	Jan. 15	23	63.86	9.37	April	2.11	Aug.	4.7	132	121	115	129	s.
Ramsey, Lock 2	McLean	384	.....	.....	.....	.....	.....	.....	11	60.75	9.65	Jan.	1.89	Aug.	7.0	115	.....	.....	.....	.....
Russellville	Logan	550	17	58.1	100	Sept. 14	0	Jan. 15	17	.....	.....	.....	.....	.....	6.5	.....	.....	.....	.....	s.
CENTRAL DIVISION.																				
Anchorage	Jefferson	700	27	56.0	98	Sept. 15	1	Jan. 15[f]	27	55.19	7.84	May	1.81	Feb.	14.0	121	193[f]	57[f]	109[f]	sw.
Bardstown	Nelson	637	31	57.6	101	Sept. 16	1	Jan. 15	31	58.58	10.39	May	1.54	Oct.	12.0	108	150	51	184	sw.
Bowling Green	Warren	500	39	60.4	102	Sept. 15	− 1	Jan. 15	40	57.52	7.37	Jan.	1.91	Aug.	9.8	116	143[a]	141[a]	80[a]	w.
Bowling Green No. 2	Warren	.....	.....	.....	.....	.....	.....	.....	3	55.66	7.90	Mar.	1.82	July	.....	138	.....	.....	.....	.....
Brownsville, Lock 6	Edmonson	410	.....	.....	.....	.....	.....	.....	11	57.82	8.41	Mar.	2.15	Aug.	9.1	136	.....	.....	.....	.....
Burnside	Pulaski	773	.....	.....	.....	.....	.....	.....	37	48.48	7.80	May	1.32	Sept.	10.5	122	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	422	.....	.....	.....	.....	.....	.....	29	57.28	10.67	May	1.61	Feb.	.....	128	.....	.....	.....	.....
Cloverport	Breckenridge	422	.....	.....	.....	.....	.....	.....	14	61.44	11.47	Mar.	1.36	Aug.	11.9	123	.....	.....	.....	.....
Cold Spring	Campbell	.....	.....	.....	.....	.....	.....	.....	2	60.48	6.36	July	1.58	Oct.	.....	139	.....	.....	.....	.....
Dix Dam, Burgin	Mercer	770	4	.....	96	July 2	0	Jan. 15	4	47.16	8.51	May	1.75	Sept.	.....	119	165[a]	60[d]	136[d]	.....
Eubank	Pulaski	1,177	34	.....	96	Sept. 16[f]	− 3	Jan. 16	34	46.22	7.48	May	1.05	Oct.	13.0	107	93[a]	143[a]	129[a]	s.
Frankfort	Franklin	560	36	57.8	95	July 1[f]	2	Jan. 15	39	50.76	7.77	Jan.	1.34	Sept.	7.0	112	179	28	158	s.
Glasgow	Barren	780	7	.....	102	Sept. 5	0	Jan. 15	17	52.31	7.03	Jan.	2.21	Feb.	.....	136	.....	.....	.....	.....
Gest, Lock 3	Henry	449	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grant, Dam 38	Boone	506	.....	.....	.....	.....	.....	.....	3	41.72	5.49	May	0.80	Feb.	.....	119	.....	.....	.....	.....
Greensburg	Green	581	35	57.0	103	Sept. 16	0	Jan. 15	39	53.59	8.48	May	0.97	Sept.	13.0	150	65	39	261	se.
High Bridge, Lock 7	Jessamine	550	.....	.....	.....	.....	.....	.....	26	48.13	8.40	May	1.63	Aug.	13.5	120	.....	.....	.....	.....
Irvington	Breckinridge	646	30	57.9	96	Sept. 14[f]	− 1	Jan. 15	30	56.02	11.02	May	1.03	Aug.	10.7	114	166	57	142	sw.
Junction City	Boyle	.....	34	57.0	101	Sept. 16	0	Jan. 15	34	61.19	11.21	May	2.29	Sept.	12.2	174	189	107	69	s.
Lancaster	Garrard	985	.....	.....	.....	.....	.....	.....	2	49.06	9.49	May	1.46	Aug.	.....	128	.....	.....	.....	.....
Leitchfield	Grayson	635	32	58.2	100	Sept. 14	0	Jan. 15	32	64.89	10.24	May	1.94	Aug.	18.0	126	125	153	87	nw.
Lexington	Fayette	980	44	56.2	95	July 28	− 1	Jan. 15	40	42.86	6.53	Jan.	1.65	Oct.	8.3	140	128	92	135	sw.
Little Hickman, Lock 8	Jessamine	523	.....	.....	.....	.....	.....	.....	17	52.07	9.18	May	2.10	Aug.	10.0	123	.....	.....	.....	.....
Lockport, Lock 2	Henry	476	.....	.....	.....	.....	.....	.....	18	41.32	5.80	May	1.55	Feb.	10.3	131	.....	.....	.....	.....
LOUISVILLE	Jefferson	525	55	57.3	96	Sept. 14	0	Jan. 15	55	55.49	9.58	May	2.02	Feb.	13.7	134	168	117	140	s.
Do. Cherokee Park	Hart	.....	18	56.7	91	Sept. 14	0	Jan. 15	19	57.73	9.87	May	1.71	Feb.	9.1	119	156	88	121	s.
Manfordville	Jefferson	534	.....	.....	.....	.....	.....	.....	5	39.84	7.66	Jan.	0.32	Aug.	6.1	88	.....	.....	.....	.....
St. John	Hardin	777	32	56.4	101	Sept. 14[f]	− 2	Jan. 15	32	58.42	8.81	May	1.85	Feb.	14.4	122	216	53	96	.....
Salvisa, Lock 6	Mercer	490	.....	.....	.....	.....	.....	.....	14	55.38	8.61	Jan.	1.81	Oct.	11.0	113	.....	.....	.....	.....
Scott	Kenton	900	30	.....	94	Sept. 14[f]	.....	.....	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shelbyville	Shelby	825	39	55.3	98	July 12	1	Jan. 15	39	57.08	8.08	Jan.	1.42	Sept.	10.2	142	145	79	141	n.
Taylorsville	Spencer	489	26	56.7	94	June 30[f]	2	Jan. 15	26	56.60	8.03	May	2.44	Sept.	9.8	130	165	64	136	s.
Tyrone, Lock 5	Anderson	526	.....	.....	.....	.....	.....	.....	9	51.05	7.36	Jan.	1.63	Feb.	8.5	99	.....	.....	.....	.....
Williamstown	Grant	943	25	55.4	97	July 28	− 2	Jan. 15	25	55.30	10.64	May	1.81	July	.....	146	134	121	110	w.
Woodburn, Lock 4	Butler	533	.....	.....	.....	.....	.....	.....	11	51.09	7.26	Mar.	1.74	Aug.	8.5	127	.....	.....	.....	.....
EASTERN DIVISION.																				
Ashland	Boyd	534	11	56.8	95	Sept. 17	2	Jan. 16	11	51.75	6.45	April	1.21	Sept.	9.3	140	150	1	214	w.
Beattyville	Lee	650	24	57.4	99	July 1	4	Jan. 11[f]	25	48.44	8.00	May	0.95	Oct.	9.6	150	114	93	158	w.
Berea	Madison	1,070	26	57.3	95	Sept. 16[f]	− 1	Jan. 12	26	53.50	8.24	May	1.48	Oct.	12.8	132	67[f]	212[f]	80[f]	sw.
College Hill, Lock 11	Madison	601	.....	.....	.....	.....	.....	.....	18	47.25	7.39	May	1.58	Sept.	10.7	143	.....	.....	.....	.....
Cynthiana	Harrison	684	.....	.....	.....	.....	.....	.....	39	53.35	7.60	May	1.32	Sept.	9.3	129	.....	.....	.....	.....
Falmouth	Pendleton	660	.....	.....	.....	.....	.....	.....	39	49.24	7.54	May	1.09	Sept.	5.5	117	.....	.....	.....	se.
Farmers	Rowan	668	20	56.3	95	July 1[f]	0	Jan. 15	20	51.71	7.70	May	2.08	Sept.	17.0	89	190[e]	61[e]	109[e]	e.
Flemingsburg	Fleming	489	.....	.....	.....	.....	.....	.....	2	54.68	7.41	April	2.82	Oct.	.....	95	.....	.....	.....	.....
Ford, Lock 10	Clark	593	.....	.....	.....	.....	.....	.....	12	47.21	6.66	Jan.	1.85	Feb.	12.8	134	.....	.....	.....	.....
Grayson	Carter	.....	.....	.....	.....	.....	.....	.....	2	43.61	5.53	Jan.	1.05	Sept.	14.1	125	.....	.....	.....	.....
Greenup, Dam 30	Greenup	510	.....	.....	.....	.....	.....	.....	7	40.59	5.35	Jan.	0.27	Sept.	.....	147	.....	.....	.....	.....
Hazard	Perry	864	.....	.....	.....	.....	.....	.....	3	49.98	10.74	May	1.63	Oct.	9.8	117	.....	.....	.....	.....
Heidelberg, Lock 14	Lee	664	.....	.....	.....	.....	.....	.....	11	48.67	6.99	May	1.80	Oct.	.....	120	.....	.....	.....	.....
Hindman	Knott	1,032	.....	.....	97	July 28	0	Jan. 16	.....	.....	.....	.....	.....	.....	16.0	.....	.....	.....	.....	sw.
Jenkins	Bell	.....	.....	.....	.....	.....	.....	.....	2	51.52	8.68	May	1.34	Oct	.....	140	.....	.....	.....	.....
Louisa	Lawrence	584	.....	.....	.....	.....	.....	.....	23	50.87	6.02	Apr	1.78	Sept	.....	120	.....	.....	.....	.....
Maysville	Mason	524	31	56.2	97	July 17	2	Jan. 15	31	50.10	6.72	July	1.45	Oct.	9.5	144	117	94	154	s.
Middlesboro	Bell	.....	31	.....	98	July 1	0	Jan. 15[f]	31	40.41	6.70	Dec.	1.04	Oct	2.6	94	212[a]	124[a]	25[a]	.....
Mount Sterling	Montgomery	930	38	55.6	96	Sept. 18	1	Dec. 9	38	51.05	8.35	May	1.66	Sept.	15.7	138	172[a]	58[a]	134[a]	w.
Owingsville	Bath	997	.....	.....	.....	.....	.....	.....	10	51.79	6.46	Nov.	1.68	Sept.	8.5	121	.....	.....	.....	.....
Owsley, Dam 35	Campbell	497	.....	.....	.....	.....	.....	.....	22	40.44	6.74	April	1.10	Oct	10.0	120	.....	.....	.....	.....
Pikeville	Pike	636	.....	.....	.....	.....	.....	.....	2	51.12	7.91	May	2.33	Sept.	6.5	114	.....	.....	.....	.....
Prestonburg	Floyd	640	.....	.....	.....	.....	.....	.....	2	50.54	8.84	May	1.80	Oct	11.3	122	.....	.....	.....	.....
Quicksand	Breathitt	.....	2	58.0	99	July 28	4	Jan. 16	10	48.47	7.55	May	1.25	Sept.	.....	109	.....	.....	.....	.....
Raywood, Lock 12	Estill	631	.....	.....	.....	.....	.....	.....	37	51.27	8.29	May	1.12	Sept.	14.7	136	179[c]	46[c]	135[b]	.....
Rockwood	Madison	926	37	58.2	97	Sept. 16[f]	2	Jan. 15	37	.....	.....	.....	.....	.....	.....	132	.....	.....	.....	s'v.
Sergent	Letcher	1,295	5	.....	94	Sept. 16	0	Jan. 16	5	.....	.....	.....	.....	.....	.....	135	.....	.....	.....	.....
Valley View, Lock 9	Madison	541	.....	.....	.....	.....	.....	.....	14	47.51	7.40	May	1.85	Sept.	9.5	135	.....	.....	.....	.....
Vanceburg, Dam 32	Lewis	525	.....	.....	.....	.....	.....	.....	13	55.08	7.56	April	1.14	Sept.	.....	120	.....	.....	.....	.....
Wallingford	Letcher	.....	.....	.....	.....	.....	.....	.....	2	43.23	8.78	May	0.77	Oct	13.5	110	.....	.....	.....	.....
Wilmington	Whitley	930	31	59.6	100	Sept. 16	3	Jan. 15	33	55.81	7.86	Nov.	0.69	Oct.	10.2	115	250[a]	63[a]	51[a]	.....
Willow, Lock 13	Lee	611	.....	.....	.....	.....	.....	.....	9	48.89	7.49	May	1.89	Aug	.....	98	.....	.....	.....	.....

All temperature data are taken from self-registering thermometers.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

[f] Also on other dates.

ABSTRACT.—The month was dry and very cool. Crops, especially corn, were retarded to the fine temperature. Late corn presented an exceptionally poor appearance, with little prospect of maturing. Tobacco was also very uneven and backward. Pastures continued good.

SUMMARY.—With fairly temperature and normal precipitation, conditions favored preparation of the backward crops. Some corn lead but in the main the fairly dry weather helped it greatly. Frost on the 21st caused some damage to tender vegetables in the central counties.

OBSERVATIONS.—Prevailing warm weather and normal rainfall favored late crops. In the dry period after the 12th much late corn matured that under ordinary weather conditions would never have ripened. Light to heavy frosts occurred in the third week, but they caused little damage.

Monthly and Annual Precipitation for the Year 1927, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Beaver Dam	6.30	+2.03	1.90	-1.28	10.36	+6.12	5.18	+1.06	6.46	+2.23	4.79	+1.62	3.40	-0.58	2.41	-0.90	3.32	+0.64	2.05	-0.75	4.86	+1.42	2.60	-1.15	53.57	-3.40
Blandville	8.68	+4.05	2.55	-2.98	9.44	+4.51	8.11	+3.61	12.36	+8.12	5.92	+1.56	2.96	-0.53	0.89	-2.34	5.58	+3.43	3.60	-0.16	4.27	+0.16	2.52	-1.51	60.64	+3.45
Calhoun	9.02	+4.61	2.62	-0.74	9.45	+4.63	7.66	+3.07	7.03	+3.07	3.79	+0.20	4.53	+0.81	1.65	-2.60	3.56	+0.58	4.22	+0.89	4.74	+1.28	2.78	-1.47	61.21	+4.48
Greenville	6.60	+2.46	3.48	+0.14	11.58	+6.63	8.45	+3.58	5.39	+1.47	2.73	-1.28	2.04	-1.10	0.74	-3.52	4.85	+2.42	3.75	-0.32	4.78	+0.70	3.29	-1.01	55.83	+1.75
Hopkinsville	6.29	-1.06	1.89	-1.80	9.94	+4.91	8.63	+4.23	6.56	+2.50	5.01	+0.73	2.74	-1.19	2.23	-1.21	7.11	+3.94	5.79	-2.45	4.51	+0.93	2.28	-2.56	62.94	+4.15
Marion	8.27	+3.64	2.23	-0.81	9.53	+4.93	8.44	+3.86	6.28	+2.02	4.57	+1.19	4.50	+0.94	1.15	-2.07	6.76	+3.77	3.86	-1.61	4.43	+0.71	2.68	-2.14	62.23	+4.76
Mayfield	5.72		1.95		8.95	+4.35	8.15	+3.60	9.35	+5.07	5.24	+2.39	3.65	-0.24	1.89	-1.68	5.12	+2.63	4.19	-1.06	3.27	-1.11	1.28	-3.40		
Murray	12.71				9.30		4.77		7.27		2.04		1.05		7.71		3.71		3.46		1.46		1.38			
Owensboro	8.09	+4.50	1.51	-1.74	9.66	+5.11	6.58	+2.52	10.75	+7.01	3.27	-0.48	4.08	+0.71	0.82	-2.54	4.88	+1.95	3.35	+0.07	3.39	+0.63	2.28	-1.52	59.75	+4.47
Paducah	9.17	+4.01	2.57	-0.98	8.81	+3.49	10.71	+5.18	10.95	+6.78	4.69	+0.81	2.70	-0.20	2.96	-1.06	4.08	+0.82	4.85	+1.65	5.26	+0.91	3.68	-1.44	64.16	+4.57
Paducah (near)	7.51	+2.88	1.69	-1.92	9.81	+4.79	13.95	+8.92	11.05	+7.24	4.37	-0.15	3.72	+0.26	3.45	+0.13	5.83	+2.89	4.23	+1.55	5.04	+1.04	3.42	-0.67	72.25	+12.66
Princeton	7.70	+3.45	2.56	-1.69	9.27	+4.12	9.37	+5.37	6.23	+1.62	5.51	+1.94	2.92	-0.92	2.11	-1.21	7.55	+4.57	4.01	+1.52	4.34	+0.22	2.35	-2.03	62.55	+4.18
Ramsey, Lock No. 2 †	9.05	+5.94	2.44	-0.28	9.36	+4.74	7.77	+3.55	6.02	+2.18	3.68	-0.11	4.75	+2.38	1.80	-2.40	3.76	+0.37	4.46	+0.76	4.31	+0.56	2.58	-1.26	60.77	+4.31
Russellville	6.48	+1.26	1.67	-2.00	7.86	+2.46	7.39	+2.55	6.67	+2.72	2.98	-1.89					3.47	+0.47	3.73	+1.25	3.39	+0.27	2.25	-1.81		
CENTRAL DIVISION.																										
Anchorage	7.03	+2.95	1.81	-1.63	5.44	+1.20	5.63	+1.63	7.84	+4.00	5.46	-1.77	4.87	+0.43	2.50	-1.39	3.13	+0.47	4.14	+1.09	3.69	+0.74	3.71	-0.27	55.19	+11.59
Bardstown	6.87	+1.85	3.30	+0.37	8.42	+3.78	6.69	+2.71	10.39	+6.75	5.78	+1.59	2.80	-1.01	1.85	-1.84	2.29	-0.56	1.54	-1.28	4.89	+1.51	3.97	-0.02	58.56	+12.98
Bowling Green	7.47	+2.73	2.49	-2.18	8.36	+3.44	6.71	+2.45	6.34	+2.09	4.73	+1.01	2.52	-1.81	1.91	-1.86	4.58	+1.24	5.03	+2.31	5.45	+1.64	2.45	-2.11	57.92	+9.90
Do. No. 2	7.42		2.69		7.90		5.81		6.25		3.92		1.82		2.74		3.04		5.20		5.51		3.40		55.44	
Brownsville, Lock No 6*	7.63	+1.93	2.63	+1.57	8.53	+2.10	6.90	+1.83	5.95	+0.45	2.98	-0.92	4.66	+1.56	2.15	-1.95	3.33	-0.35	4.65	+0.96	5.26	+0.71	2.77	-2.24	57.43	+2.25
Burnside	3.42	-1.13	3.41	-0.65	3.96	-1.30	5.93	+1.74	5.30	+0.31	3.04	-1.08	2.91	-1.58	3.96	-0.20	1.32	-2.22	1.78	-1.25	7.14	+3.52	4.21	+0.02	47.18	+0.37
Carrollton, Lock No. 1	5.75	-2.14	1.61	-1.17	6.03	-2.70	5.89	+2.71	10.67	+6.66	3.69	+0.10	3.58	+0.18	4.33	+1.51	3.97	+1.63	2.48	-0.36	6.04	+2.86	3.21	-0.85	57.25	+8.19
Clovercport	9.00	+4.86	1.62	-1.01	11.47	+7.21	7.67	+3.62	8.52	+4.70	4.81	-0.77	4.52	+0.69	1.96	-2.46	3.82	+1.21	3.35	+0.49	3.51	-0.12	2.59	-1.83	61.43	+8.39
Cold Spring, Dam 36	4.84		2.16		3.52		4.91		4.94		4.59		6.36		3.80		2.59		1.58		6.20		4.96		56.48	
D-x Dam, Burgin	6.96		2.15		5.27		4.15		8.51		3.50		2.62		2.04		1.78		2.51		4.95		3.61		46.16	
Eubank	4.35	-0.12	2.20	-1.66	3.24	-1.74	6.90	+3.49	7.48	-3.10	3.01	-1.07	2.05	-2.49	2.18	-2.15	3.93	-0.42	1.05	-1.67	6.61	+3.44	3.12	-0.75	46.26	+0.00
Frankfort	7.77	+3.64	2.20	-0.90	4.84	+0.14	5.42	+1.60	6.38	+2.76	7.53	+3.33	3.28	-0.83	3.16	-0.52	1.34	-1.52	2.28	-0.19	3.74	+0.33	2.42	-1.17	50.27	+6.51
Franklin									7.78	+3.88	2.88	-0.77	4.49	+0.29	1.26	-2.28	3.28	-0.68	1.36	-1.25	5.24	+1.55	2.59	-1.03		
Goss, Lock No. 3	7.03	+2.92	2.21	-0.85	4.95	+0.57	5.29	+1.34	5.21	+1.96	5.25	+1.22	3.58	-0.44	4.59	+0.66	3.02	-0.08	2.99	-0.20	4.09	-0.93	4.16	-0.25	52.31	+7.40
Glasgow	5.20		2.57		4.47		5.61		7.72						1.85				1.01		7.44					
Grant, Dam 3	4.90		0.80		4.17		5.38		5.49		4.30		2.22		3.07		1.56		3.49		5.02		5.12		41.72	
Greensburg	7.58	+2.87	3.00	-1.02	5.57	+0.54	4.42	+0.57	8.48	+4.20	3.77	-0.68	3.94	-0.65	2.07	-1.83	0.97	-2.09	2.90	+0.14	7.95	+4.58	3.14	-1.20	53.56	-5.56
High Bridge, Lock No. 7	7.11	+2.72	2.28	-0.97	5.43	+0.99	5.66	+1.90	8.40	+4.55	3.17	-0.78	2.70	-1.62	1.63	-2.42	2.10	-0.87	2.07	-0.91	5.61	+1.84	2.77	-1.57	48.12	-2.55
Irvington	6.74	+4.32	2.41	-0.89	8.85	+4.25	6.57	+2.55	11.02	+7.24	3.45	-0.40	3.00	-0.21	1.03	-2.44	1.94	-0.95	4.02	-1.01	4.15	-0.68	2.81	-1.53	58.12	+4.23
Junction City	7.58	+2.60	3.20	-0.54	5.59	+0.82	6.64	+2.70	11.21	+7.12	3.52	-0.19	3.90	-0.40	2.55	-1.40	2.29	-0.77	2.83	+0.30	6.96	-3.66	4.57	-0.16	63.16	+14.14
Lancaster	5.63		1.58		4.26		5.64		9.49		3.17		5.18		1.46		2.03		1.87		5.37		3.78		49.10	
Leitchfield	7.50	+2.85	3.0	-0.48	9.60	+4.82	6.24	+1.86	10.24	+6.14	2.97	-0.76	4.45	+0.50	1.94	-1.95	4.04	+0.67	4.67	-1.94	6.82	+2.86	3.22	-1.31	64.85	+7.14
Lexington	6.53	+2.70	1.87	-1.36	5.17	-0.45	3.89	+0.55	5.76	+2.24	2.14	-1.85	2.95	-1.45	2.09	-1.48	2.29	-0.13	1.65	-0.57	4.88	+1.40	2.61	+0.82	42.85	+0.78
Little Hickman, Lock 8	6.93	+2.19	2.45	0.80	5.19	+1.21	6.32	+2.73	9.18	+5.47	2.93	-1.24	2.84	-1.82	2.10	-2.57	3.22	-0.28	2.57	-0.58	5.37	+2.67	3.77	-0.28	52.07	+6.50
Lockport, Lock No. 2	4.76	-0.32	1.55	-1.07	3.68	-0.84	4.16	-0.14	5.80	+2.37	4.48	-0.06	2.59	-1.43	3.77	-0.39	3.52	+0.79	2.33	-0.77	2.68	-0.28	2.05	-2.24	51.52	+3.00
LOUISVILLE	7.62	+3.72	2.02	-1.73	7.01	+2.69	5.16	+1.09	5.58	+2.94	4.60	-0.23	4.27	+0.53	2.92	-0.59	3.02	+0.39	3.35	+0.72	3.65	-0.65	2.84	-1.64	55.45	+10.18
Do. (Cherokee Park)	7.43	+2.93	1.71	1.11	6.43	+2.02	7.54	+3.68	9.87	+6.14	3.63	-0.13	4.81	-0.30	2.70	-1.26	3.46	+0.32	3.58	+0.43	3.11	0.15	3.46	0.96	57.78	+10.18
Mumfordville	7.66		1.70		4.96		4.80		6.37		2.01		2.01						3.07		4.40		1.56		38.83	
St. John	7.48	+2.88	1.85	-1.87	9.54	+4.55	5.91	+1.73	8.81	+4.74	3.08	-0.95	3.44	-0.05	2.80	-1.55	2.07	-0.93	4.89	+2.06	5.22	+1.61	3.83	-0.72	58.42	+11.08
Salvisa, Lock No. 6	8.61	+4.11	3.08	0.13	6.63	+3.48	6.10	-2.95	7.75	+4.57	4.01	-0.55	2.13	-2.28	2.77	-0.71	1.85	-1.27	1.81	0.69	5.45	+2.86	5.13	+0.24	55.56	+12.82
Scott							5.32	+1.78	5.43	+1.50	3.02	-0.57	6.02	+2.46	3.64	-0.23	2.22	-0.41	1.68	-1.15	7.17	+4.02	4.55	+1.17		
Shelbyville	8.08	+3.82	2.70	1.10	6.06	+1.35	5.20	+1.48	6.79	+2.67	5.41	-0.95	5.46	+1.56	3.06	-0.30	1.42	-1.43	3.45	-1.07	5.10	+1.68	3.51	-0.42	57.18	+5.38
Taylorsville	7.44	+2.98	2.80	-0.96	6.84	+2.20	5.13	+0.76	8.03	+4.45	6.87	+2.61	3.39	-0.88	2.76	-1.11	2.14	-0.79	3.29	+0.32	3.56	+0.65	3.58	-0.75	56.66	+5.56
Tyrone, Lock No. 5	7.36	+2.61	1.68		6.68		5.51		5.20	+1.66	6.64	+2.11	3.08		2.34		2.24	-0.14	2.19		4.58	+1.70	3.05	-1.38	61.05	
Williamstown	7.19	+3.56	2.87	-0.36	4.17	-0.21	6.87	+3.54	10.64	+7.08	4.10	+0.26	1.81	-1.87	3.66	-0.23	1.83	-1.19	2.41	-0.60	5.91	+3.18	4.04	+0.85	55.26	+13.85
Woodbury, Lock No. 4†	6.86	+1.78	2.77	-0.79	7.26	+2.90	6.52	+1.98	5.42	+1.98	2.56	1.12	4.82	+1.66	1.74	-2.76	2.76	-0.16	3.43	-0.29	4.79	+0.70	2.16	-2.17	52.09	+2.48
EASTERN DIVISION.																										
Ashland	6.35	+1.74	3.06	0.0	3.93	-0.06	6.45	+3.12	5.07	+1.12	5.19	+1.65	5.43	+1.38	5.79	+1.52	1.21	1.76	1.99	-0.76	4.57	-0.99	2.71	0.70	51.71	+7.16
Beattyville	4.57	-0.17	3.20	0.67	4.80	-0.28	5.59	-1.44	8.60	+3.83	3.16	-1.58	3.40	-1.66	2.88	-1.65	2.51	-0.56	0.95	-2.40	6.11	3.17	3.62	0.71	48.44	-1.64
Berea	6.25	+1.53	2.30	-0.75	4.83	+0.07	6.50	+2.81	8.24	+4.18			4.60	+0.01	1.85	-2.78	3.71	+0.80	1.48	1.00	6.84	-3.24	3.65	-1.87	53.56	-0.60
College Hill, Lock No. 12	5.86	+0.82	3.14	-0.47	4.66	+0.50	6.22	+2.96	7.39	+3.42	2.97	-0.94	4.53	+0.65	1.65	-2.71	2.58	+0.53	1.52	-1.51	4.62	-1.92	2.91	-1.83	47.25	-1.78
Cynthiana	7.15	+3.04	2.48	-0.40	5.54	+1.27	5.99	+1.91	7.60	+4.34	4.96	+1.64	4.03	+0.82	5.27	-0.69	1.52	-2.29	1.59	-1.71	3.80	+0.48	2.62	0.82	52.77	+3.75
Edmonton	6.25	-2.55	2.62	0.74	4.03	-0.06	6.08	+2.61	7.54	+3.77	4.16	+0.01	3.40	-0.35	3.33	-0.20	1.69	1.37	2.10	-0.34	4.74	-1.77	3.96	-0.51	53.56	+6.00
Farmers	5.52	-1.10	2.81	-0.19	3.90	-0.66	5.58	+1.48	7.70	+3.87	5.99	-1.72	2.72	-0.94	3.67	-0.75	2.68	-0.92	2.80	-1.15	4.18	-1.69	4.29	+0.10	51.71	+4.79
Flemingsburg	6.79		2.84		5.20		7.41		7.00		4.36		2.26		6.64		2.56		0.82		5.36		3.85		54.88	
Ford, Lock No. 10	6.66	+1.89	1.85	-0.98	3.99	+0.07	5.26	+1.33	6.56	+3.57	2.94	0.64	3.33	-1.38	3.57	-1.15	2.49	-1.15	1.98	+0.42	5.21	+2.80	3.57	0.26	47.23	+5.67
Grayson	5.53		3.76		3.96		4.99		4.41		5.35		3.23		3.73		1.68		1.69		3.81		3.09		49.88	
Greenup, Dam 30	5.35		2.85		3.32		5.11		4.56		3.41		3.20		3.62		1.65		1.63		4.47		3.93		49.58	
Hazard	1.87		4.67		2.36		5.50		10.74		5.71		5.83		3.62		1.65		1.63		4.47		3.93		49.58	
Heidelberg, Lock No 14	4.78	-0.03	2.84	-0.53	3.94	-0.20	5.68	+2.90	6.99	+3.11	3.01	-1.08	3.78		3.50	1.22	2.49	-0.62	1.80	-1.99	6.19	-2.76	3.44	1.20	48.87	+1.13
Jenkins	3.23		4.64		3.03		6.50		7.98		2.80		6.25		4.87		3.03				5.38		3.18			
Louisa	5.15	-1.44	4.17	+0.84	4.70	+0.61	6.02	+2.71	8.68		4.78		4.81		3.28		2.60		1.34		5.09		3.58		54.80	
Maysville	5.96	-1.80	2.43	-0.90	3.66	-0.82	5.74	+2.34	6.32	+2.37	4.16	-0.23	6.72	+2.42	3.11	0.55	2.35	-0.59	1.45	-1.21	4.51	+1.49	3.66	-0.17	50.16	+0.93
Middlesboro	2.18	-2.50	3.19	-1.73	3.35	-2.19	5.97	+1.79	4.66	+0.47	2.79	-2.58	5.14	+0.88	1.73	-1.15	1.14	-1.57	3.92	+0.49	6.76	-1.52	4.46	+0.17	50.16	+0.93
Mount Sterling	6.56	+1.81	2.77	-2.22	4.82	-0.56	5.85	+1.98	8.35	+4.06	3.24	1.89	4.11	-0.95	2.76	-1.21	1.60	-1.86	2.11	-0.86	4.65	-2.43	4.13	-0.69	51.08	+1.20
Oneonta, Dam No. 35	6.08		2.07		4.22		5.54		5.41		4.21		5.07		4.04		1.63		2.10		6.46		4.96		55.78	
Olivehill	2.98	1.15	3.86	-0.52	2.98	-1.41	6.74	+3.16	8.84	+4.21	3.99	0.40	2.78	-1.34	3.26	-0.81	1.62	-1.78	1.10	1.76	4.01	+1.32	2.54	-1.24	49.45	+0.68
Prestonsburg	3.39		4.23		3.72		5.59		7.94		3.80		3.56		5.83		2.32		2.48		3.73		3.99		51.03	
Quicksand	4.57		4.34		4.84		7.12		8.84		3.38		6.47		5.11		3.35		1.80		6.59		4.20		64.44	
Ravenna, Lock No. 12	3.80	-0.14	3.78		4.31	+0.67	6.61	+2.52	7.55		4.84	-0.38	3.71		1.76	-2.81	1.26	-2.44	2.12	-1.23	5.32		3.39		48.44	
Sergent	6.56	-2.05	2.56	-0.88	5.44	+1.05	5.16	+1.85	8.29	+4.71	3.35	-0.66	2.68	1.36	2.17	-1.48	1.12	-1.72	1.85	0.96	6.57	-3.70	5.22	-1.25	51.27	+2.68
Teller View, Lock No. 9	4.74				3.16		5.82		8.98		3.92		6.19		3.84		1.95		1.44		5.18		5.35			
Vanceburg, Dam No. 32	6.58	-1.55	2.69	-0.60	5.93	+2.14	4.12	-0.04	7.40	+3.83	2.60	-1.92	3.59	-1.59	3.04	-1.09	1.85	-2.05	2.24	-1.19	6.15	+3.11	2.84	-2.16	47.51	+0.83
Vanceburg	7.59	-1.43	2.45	-1.45	3.61	-1.68	7.56	+4.20	4.65	+0.76	4.07	0.71	3.72	-1.25	3.12	+0.88	1.14	-1.68	1.61	-1.68	4.78	+0.60	3.87	0.01	50.08	-3.67
Vayland																										
Whitesburg	2.58		4.16		2.97		6.66		8.78		2.40		2.44		3.71		1.04		0.77		3.87		3.85		48.25	
Williamsburg	2.75	-1.81	4.56	-0.96	4.63	-0.34	6.65	+2.37	5.57	-1.46	6.39	-1.90	3.58	-1.41	1.79	-0.13	2.13	-1.41	0.66	-2.08	7.86	+4.82	5.99	-0.72	55.81	+0.68
Yillow, Lock No. 13	4.66		2.97		4.39		6.51	-3.73	7.49		2.87		3.45		1.89		3.18		1.97		6.08		3.42		48.82	

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining the section or division means.

T. Precipitation is less than 0.01 inch rain or melted snow.

†Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

NOVEMBER. The month averaged warm and rank growth of fall grains caused some apprehension. Pastures remained in excellent condition. Precipitation was much above normal and in some areas excessive. It interfered considerably with corn gathering.

DECEMBER. Temperatures varied widely, with decidedly warm spells alternating with sharp cold waves. Rainstorms prevailed and at times heavy. On the 27th and 28th Fine weather in the last half favored outdoor work.

Monthly and Annual Mean Temperatures for the Year 1927, with Departures from the Normal.

Stations	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
WESTERN DIVISION.																										
Beaver Dam	35.8	+ 0.2	46.9	+10.7	49.1	+ 1.5	61.4	+ 5.5	67.4	+ 1.1	72.3	− 1.9	77.2	− 0.6	72.4	− 4.0	74.2	+ 3.8	62.4	+ 3.7	53.8	+ 6.9	40.2	+ 3.1	59.4	+ 2.4
Blandville	35.8	− 1.8	46.2	+ 9.4	49.0	+ 1.7	60.5	+ 3.1	66.6	0.0	71.2	− 3.8	76.2	− 2.0	71.8	− 5.0	73.5	+ 2.4	62.0	+ 3.4	52.2	+ 4.9	37.2	+ 0.0	58.5	+ 1.3
Calhoun	36.8	+ 0.1	47.6	+ 9.9	50.4	+ 1.2	61.2	+ 2.8	67.0	− 0.1	72.0	− 3.4	77.5	− 0.5	72.6	− 4.8	74.2	+ 2.2	63.0	+ 3.0	53.5	+ 5.3	39.2	+ 1.1	59.6	+ 1.4
Earlington	36.5	+ 1.2	46.1	+10.8	49.4	+ 2.1	62.2	+ 4.9	68.5	+ 2.2	71.7	− 3.2	74.2	− 2.9	71.4	− 5.3	69.7	− 1.3	65.0	− 1.3	.....	.....	[a]38.2	− 0.5	.....	.....
Eddyville	37.4	+ 1.8	47.2	− 7.9	48.3	+ 0.1	[a]60.8	+ 3.4	68.9	+ 2.2	72.9	− 2.6	77.5	− 1.3	73.9	− 4.0	74.8	+ 2.7	62.6	+ 2.0	52.6	+ 4.1	39.6	+ 1.1	59.9	+ 1.5
Greenville	37.2	− 0.3	48.0	+ 9.6	49.5	+ 0.2	62.0	+ 4.7	68.4	+ 1.3	72.9	− 2.8	77.0	− 0.9	72.7	− 5.3	74.0	+ 2.2	63.1	+ 3.7	51.7	+ 3.4	37.8	+ 0.3	58.8	+ 1.0
Hopkinsville	37.2	− 0.3	48.0	+ 9.6	49.5	+ 0.2	62.0	+ 4.7	68.4	+ 1.3	72.9	− 2.8	77.0	− 0.9	72.7	− 5.3	74.0	+ 2.2	63.1	+ 3.9	[a]40.4	+ 0.5	.....	.....	60.4	+ 2.1
Marion	34.6	− 1.2	46.4	+ 9.4	48.6	+ 0.1	60.4	+ 3.1	67.4	+ 0.7	72.2	− 2.1	[a]77.3	− 0.6	[a]73.5	− 3.8	[a]75.4	+ 4.0	[a]64.2	+ 4.4	53.2	+ 3.9	[a]40.4	+ 0.5	60.4	+ 2.1
Mayfield	38.8	+ 1.7	48.2	+10.2	50.0	− 0.9	62.7	+ 4.8	68.5	+ 2.3	72.6	.....	76.5	.....	72.7	.....	73.7	.....	61.6	.....	52.8	.....	37.8	.....	59.6	.....
Murray	37.9	.....	46.8	.....	49.6	.....	62.2	.....	68.9	.....	73.2	− 4.3	76.0	− 1.7	70.8	− 5.5	71.1	+ 0.6	59.8	+ 0.9	50.5	+ 3.3	35.8	− 1.2	57.0	+ 0.2
Owensboro	34.2	− 0.7	44.3	+ 8.2	48.0	+ 0.9	59.0	+ 3.5	64.8	− 0.8	70.0	− 4.3	76.0	− 1.7	70.8	− 6.2	74.8	+ 1.8	63.9	+ 3.1	53.0	+ 5.0	38.7	− 0.9	60.1	.....
Paducah (near)	37.4	− 1.3	48.1	+ 6.4	50.6	+ 1.4	61.9	.....	68.7	+ 2.1	73.8	− 3.2	77.8	− 2.2	73.0	− 6.9	72.3	+ 0.9	60.4	+ 1.3	51.6	+ 4.7	37.2	− 1.2	57.7	− 0.1
Princeton	35.6	0.0	45.5	+ 9.1	48.6	− 0.1	59.8	+ 1.7	66.2	− 0.5	70.8	− 4.9	74.0	− 4.1	70.8	− 6.2	73.6	+ 2.1	[a]63.0	+ 3.6	50.2	+ 2.9	36.0	− 2.4	58.1	+ 1.9
Russellville	[a]35.0	− 0.5	45.6	+ 8.2	[a]47.5	− 1.0	59.6	+ 1.6	[a]66.0	+ 0.1	71.4	− 3.5	77.2	− 0.6	[a]71.5	− 6.2	73.6	+ 2.1	[a]63.0	+ 3.6	50.2	+ 2.9	36.0	− 2.4	58.1	+ 1.9
CENTRAL DIVISION.																										
Anchorage	32.6	− 0.4	43.0	+10.0	[a]46.5	+ 1.4	56.3	+ 3.1	[a]63.8	− 0.3	68.6	− 3.3	74.4	− 1.6	69.7	− 5.0	71.8	+ 3.3	60.0	+ 3.2	49.2	+ 4.9	35.7	− 2.1	56.0	+ 1.5
Bardstown	35.2	− 0.1	44.3	+ 8.6	48.0	+ 1.1	58.6	+ 3.0	66.0	0.0	70.6	− 3.9	76.0	− 4.7	71.8	− 5.7	74.0	+ 2.5	60.4	+ 1.3	51.1	+ 4.4	36.2	− 0.6	57.6	+ 0.4
Bowling Green	37.3	+ 0.7	47.7	+10.1	49.6	+ 1.3	61.5	+ 3.2	67.9	+ 0.3	72.8	− 3.0	79.0	+ 0.1	76.1	− 2.2	75.1	+ 3.4	64.8	+ 5.6	53.0	+ 5.4	39.6	+ 1.1	60.4	+ 2.3
Dix Dam	36.5	.....	[a]35.0	.....	49.1	.....	[a]58.1	.....	64.2	.....	69.0	.....	75.3	.....	74.4	.....	.....	.....	61.0	.....	51.2	.....	35.0	.....	.....	.....
Fairmont	35.6	+ 0.6	47.6	+12.8	47.5	+ 1.1	58.0	+ 3.7	64.6	+ 0.6	[a]69.1	− 2.3	75.8	+ 0.9	71.0	− 2.8	71.1	+ 2.6	59.6	+ 2.7	51.2	+ 5.4	38.2	+ 1.0	57.8	+ 1.7
Frankfort	35.6	− 0.4	45.2	+ 9.3	48.6	+ 2.0	58.1	+ 2.8	66.0	+ 0.8	70.6	− 3.0	76.4	− 0.5	70.6	− 4.4	71.9	+ 3.4	60.2	+ 3.1	51.8	+ 5.4	38.5	+ 1.6	.....	.....
Franklin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75.2	0.0	80.0	− 2.2	76.6	− 0.2	76.4	+ 2.4	64.8	+ 4.6	53.4	+ 3.6	39.5	− 0.7	.....	.....
Glasgow	36.6	.....	49.0	.....	49.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70.0	.....	55.7	.....	51.4	.....	.....	.....	.....	.....
Greensburg	35.8	+ 1.1	45.4	+10.5	47.4	+ 0.8	58.8	+ 3.6	65.4	+ 0.6	69.8	− 3.5	74.8	− 1.8	70.6	− 4.7	70.6	+ 1.0	57.8	+ 0.7	50.8	+ 4.6	36.6	+ 0.3	57.0	+ 1.2
Irvington	35.1	− 0.5	45.8	+ 9.7	49.0	+ 1.8	59.2	+ 3.3	65.6	− 0.3	70.4	− 3.5	75.7	− 1.6	70.6	− 5.5	73.2	+ 2.9	61.1	+ 4.4	51.6	+ 5.0	37.6	+ 0.9	57.9	+ 1.4
Junction City	34.5	− 0.6	44.9	+10.3	47.2	+ 1.1	58.2	+ 3.3	64.8	+ 0.2	69.2	− 2.9	75.4	0.0	70.8	− 3.7	71.8	+ 2.5	60.0	+ 2.2	50.9	+ 7.0	36.8	+ 0.6	57.0	+ 1.6
Leitchfield	35.4	+ 0.4	45.3	+10.6	48.4	+ 1.9	59.2	+ 3.8	66.0	+ 0.9	70.9	− 2.3	76.1	− 0.5	71.8	− 4.2	73.7	+ 3.7	61.1	+ 3.5	49.7	+ 4.9	35.0	− 0.8	56.2	+ 1.2
Lexington	33.4	− 0.5	43.4	+ 8.0	47.8	+ 4.0	55.4	+ 1.1	63.4	− 0.9	68.8	− 3.4	75.2	− 0.7	69.8	− 5.0	72.2	+ 3.7	61.1	+ 2.5	50.4	+ 3.7	35.8	+ 1.8	57.3	+ 0.3
Louisville	34.1	− 0.3	44.9	+ 7.4	48.4	+ 3.0	57.4	+ 1.0	64.4	− 2.2	69.6	− 5.1	76.4	− 2.2	70.8	− 6.2	73.5	+ 3.0	61.8	+ 2.5	50.8	+ 4.2	37.0	− 0.8	56.7	+ 0.8
Do. Cherokee Park	34.3	0.3	44.8	+ 8.7	48.3	+ 2.4	57.8	+ 1.7	64.7	− 0.4	68.6	− 4.4	74.4	− 1.6	69.1	− 5.6	71.0	+ 2.1	60.4	+ 2.5	50.8	+ 4.2	34.2	− 0.5	56.4	+ 1.2
St. John	34.4	− 0.6	42.0	+ 9.0	47.0	+ 1.5	58.0	+ 3.4	64.5	+ 0.2	69.0	− 3.7	[a]74.8	− 1.2	69.6	− 5.3	72.3	+ 3.0	59.8	+ 2.1	49.5	+ 3.8	35.4	0.0	56.4	+ 1.2
Scott	.....	.....	.....	.....	.....	.....	53.4	− 0.2	62.8	− 0.6	[a]66.0	− 5.7	73.0	− 2.9	67.2	− 7.6	70.4	+ 1.6	58.4	+ 1.7	49.2	+ 4.8	33.4	− 1.6	55.3	+ 0.1
Shelbyville	33.2	− 0.1	43.0	+ 9.2	45.8	+ 0.9	55.8	+ 1.1	63.4	− 1.2	68.0	− 5.5	73.8	− 3.1	68.6	− 6.9	70.8	+ 1.6	58.5	+ 2.1	50.3	+ 5.5	36.4	+ 1.2	55.7	+ 1.5
Taylorsville	34.4	+ 0.2	44.6	+ 9.2	47.6	+ 1.0	58.1	+ 3.6	64.4	− 0.2	70.2	− 2.2	75.6	− 0.1	68.8	− 5.4	70.9	+ 2.3	60.0	+ 4.9	48.6	+ 3.5	[a]35.0	+ 1.5	55.4	+ 1.3
Williamstown	32.8	− 0.1	40.8	+ 8.8	46.6	+ 2.0	54.4	+ 1.6	63.6	0.0	68.0	− 3.2	75.6	− 0.1	68.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
EASTERN DIVISION.																										
Ashland	36.4	+ 1.2	44.3	+ 7.5	48.4	+ 0.8	55.6	− 0.2	65.2	+ 1.3	68.6	− 5.3	73.1	− 3.0	68.6	− 6.9	[a]69.7	− 0.7	61.2	+ 3.5	52.6	+ 5.7	38.0	− 1.3	56.8	+ 0.2
Beattyville	36.1	+ 1.2	45.5	+ 9.8	47.8	+ 1.9	58.1	+ 3.6	66.0	+ 1.8	70.2	− 2.5	75.8	− 0.1	71.0	− 4.1	70.9	+ 1.1	59.7	+ 1.9	50.5	+ 5.6	36.8	+ 1.1	57.4	+ 1.8
Berea	36.1	− 0.3	45.6	+ 9.3	47.8	− 0.7	58.2	+ 2.9	64.6	− 0.4	[a]68.9	− 4.0	[a]74.3	− 1.8	69.8	− 4.6	71.0	+ 1.7	60.7	+ 2.1	51.8	+ 4.5	36.8	+ 2.2	57.5	+ 1.0
Farmers	35.7	+ 0.9	[a]41.7	− 8.1	48.0	+ 2.7	[a]56.6	+ 1.9	64.0	+ 0.3	[a]68.9	− 2.3	73.6	− 1.1	68.4	− 5.4	68.8	− 0.2	[a]59.4	+ 2.7	51.6	+ 6.8	36.8	+ 0.8	56.3	+ 1.3
Harlan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[a]70.0	.....	[a]75.2	.....	[a]70.6	.....	.....	.....	60.6	.....	50.0	.....	[a]36.4	.....	.....	.....
Bandman	37.8	.....	[b]41.5	.....	47.3	.....	57.6	.....	[a]64.6	.....	70.0	− 5.0	75.0	− 1.8	69.2	− 6.4	70.2	+ 0.5	59.2	+ 1.7	50.8	+ 6.1	36.4	+ 1.8	56.2	+ 1.0
Maysville	35.0	+ 2.1	43.8	+ 9.1	47.2	+ 2.6	55.1	+ 1.0	64.7	+ 0.1	68.2	− 3.2	74.7	− 0.1	71.0	− 3.2	.....	.....	59.4	+ 1.6	51.0	+ 5.0	40.7	+ 1.3	.....	.....
Middlesboro	38.0	− 1.2	48.2	− 8.4	49.6	+ 1.1	59.4	+ 2.8	65.2	+ 0.7	[a]69.2	− 4.1	74.4	+ 1.4	68.8	− 5.3	70.1	+ 2.5	59.4	+ 3.8	49.5	+ 5.5	35.5	+ 0.6	55.6	+ 1.2
Mt. Sterling	33.2	0.4	43.0	− 9.6	46.0	+ 2.3	55.8	+ 2.2	65.7	− 0.4	[a]68.3	.....	76.0	.....	[a]71.9	.....	71.2	.....	60.0	.....	51.8	.....	38.2	.....	58.0	.....
Quicksand	37.2	.....	46.5	.....	48.5	.....	[a]58.7	.....	65.5	.....	70.4	− 3.7	75.9	− 0.8	70.8	− 4.7	73.4	+ 2.9	62.4	+ 4.0	52.0	+ 5.2	36.8	− 0.3	58.2	+ 2.0
Richmond	36.7	+ 2.4	45.8	− 10.5	49.5	+ 4.1	59.2	+ 3.7	66.2	+ 0.6	69.8	.....	74.4	.....	70.0	.....	68.9	.....	57.0	.....	49.8	.....	39.0	.....	.....	.....
Sergent	[a]40.3	.....	.....	.....	[a]49.3	.....	59.0	.....	64.8	.....	70.0	− 1.4	77.0	+ 0.3	72.8	− 3.2	71.6	+ 1.1	60.6	+ 1.1	52.8	+ 5.8	40.2	+ 1.1	59.6	+ 2.2
Williamsburg	39.4	+ 1.2	49.2	+10.4	50.0	+ 2.9	61.5	+ 5.0	68.2	+ 2.4	72.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

All temperature data are taken from self registering thermometers.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or district means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1927.

Stations.	Last in Spring.	First in Autumn.	Stations.	Last in Spring.	First in Autumn.
WESTERN DIVISION			Irvington	April 24	Nov. 6
Beaver Dam	April 23	Nov. 6	Junction City	do 25	Oct. 15
Blandville	do 23	do 6	Leitchfield	do 25	Nov. 6
Calhoun	do 23	do 6	Lexington	do 24	do 6
Earlington	do 24	do 6	Louisville	do 24	do 6
Eddyville	do 23	do 6	Do. Cherokee Park	do 24	do 6
Hopkinsville	do 23	do 6	St. John	do 24	do 6
Marion	do 22	do 5	Scott	do 25	do 6
Mayfield	do 23	do 6	Shelbyville	do 25	do 6
Owensboro	do 23	do 6	Taylorsville	do 25	do 6
Paducah (near)	do 23	do 6	Williamstown	do 25	do 6
Princeton	do 23	do 6			
Russellville	do 24	do 6	**EASTERN DIVISION**		
CENTRAL DIVISION			Ashland	April 25	Nov. 6
Anchorage	April 25	Nov. 6	Beattyville	do 25	do 6
Bardstown	do 25	do 6	Berea	do 25	Oct. 17
Bowling Green	do 24	do 6	Farmers	do 25	do 16
Dix Dam	do 25	do 6	Harlan	do 25	Nov. 6
Fairmont	do 25	Oct. 14	Bandman	do 25	do 6
Frankfort	do 25	Nov. 6	Maysville	do 23	do 6
Franklin	do 25	do 6	Middlesboro	do 25	do 6
Glasgow	do 25	Oct. 14	Mt. Sterling	do 25	do 6
Greensburg			Richmond	do 25	do 6
			Sergent	do 25	do 6
			Williamsburg	do 25	do 6

MONTHLY SUMMARIES, 1927.

Month.	Temperature.				Precipitation.		Average number of days.			
	State average.	Departure.	Highest.	Lowest.	State average.	Departure.	With .01 or more fall.	Clear.	Partly cloudy.	Cloudy.	Average Snowfall.
January	35.8	+ 0.3	76	− 3	6.33	+ 1.95	12	9	6	16	2.5
February	45.6	+ 9.6	81	15	2.65	− 0.88	11	10	6	12	3.3
March	48.4	+ 2.0	82	10	6.04	+ 1.20	11	12	7	12	T.
April	58.7	+ 2.8	92	22	6.39	+ 2.36	15	10	8	12	0.0
May	65.7	+ 0.1	93	31	7.44	+ 3.47	16	10	10	11	0.0
June	70.1	− 3.5	98	42	4.12	+ 0.04	11	14	8	8	0.0
July	75.7	− 1.2	101	45	3.71	− 0.56	9	17	8	5	0.0
August	71.1	− 4.5	97	43	2.88	− 0.83	8	18	8	5	0.0
September	72.2	+ 1.9	103	39	2.87	+ 0.60	6	16	9	5	0.0
October	60.7	+ 2.6	92	27	3.61	+ 0.91	4	20	6	5	0.0
November	51.3	+ 5.0	82	13	5.01	+ 1.48	10	9	7	14	0.0
December	37.4	− 0.2	77	1	3.37	− 0.71	10	14	4	13	0.0
Annual means and extremes	57.8	+ 1.3	103	− 3	53.43	+ 7.69	123	157	88	120	16.0

*Compared with 35 years' normal.

NOTE. Tables and charts giving climatic data for Kentucky in detail during 1926 have been published for each month at the Kentucky section center. Weather Bureau Office, Louisville, Ky., and can be obtained from the Official in charge at that office. Indexes to special articles published during past years * Kentucky climatological reports will be found in the Monthly Report for June, 1909.

W. G. Reed, Jr. 2-28-28 1500

05
E

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

THE LIBRARY OF
APR 5
UNIVERSITY OF

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIII LOUISVILLE, KY., JANUARY, 1928 NO. 1.

GENERAL SUMMARY.

Temperature conditions were characterized by sharp departures both above and below the seasonal average. The month began with a cold wave in which minima below zero were registered generally throughout the State, and mean daily temperatures ranged from 25 to 40 degrees below normal. This cold spell was followed by a two-weeks period of mild weather in which minima were almost continuously above freezing and maxima ranged from 60° to 75°. In the last week another cold wave of less severity than the first depressed temperatures nearly to zero and brought daily averages from 10° to 25° below normal. These sharp changes, with the deep freezes and complete thaws that resulted, injuriously affected wheat and grasses. The injury was greatest to late sown wheat, which was not sufficiently rooted to withstand much heaving. It was scarcely less damaging, however, to early wheat on clay lands or soils inclined to hold water. Although precipitation was less than normal, it occurred in frequent light to moderate amounts that kept the water content of the top soil so high as to favor the lifting action of the freezes in land that fails to drain quickly. Under these conditions the wheat on the clay uplands of the central counties suffered severely, reports indicating that in some fields nearly one-half of the plants have been pulled up. On sandy soils, and those with good drainage, wheat remained in fairly good condition during the month. Growth began in the long warm period, but was checked by the cold that followed in the third decade. Soft fields impeded the gathering of the remnant of corn. Roads suffered further injury from heavy trucks while soft, but in this case the light precipitation was a favorable factor. More than the usual sunshine contributed to make the month largely pleasant and favorable for outdoor work. The warm weather also favored egg and milk production, but interfered with packing of meat on farms.

TEMPERATURE.

The temperature for the State, based on reports from 44 stations, averaged 35.0°, which is 0.5° below normal. Most of the mild weather occurred in the period, 6-19th, when daily means ranged from 5° to 25° above normal. In the relatively short cold spells, severe temperatures lasted only two or three days. The extremes were 76° at Williamsburg on the 15th and −8° at Junction City on the 2d.

PRECIPITATION.

Precipitation for the State, averaged 2.47 inches, which is 1.91 inches less than normal for this month. It occurred generally over the State in the periods, 8-9th, 17-20th, and 24-25th, and locally from the 28th to 31st. The rainfall was moderate to heavy on the 18-19th, and locally on the 8th and 24th. Snowfall was comparatively light, ranging from flurries in the extreme western counties to 1.5 inches in the northern counties, and 3.0 inches in the central and southeastern district. Nearly all of it occurred in the last four days. In the south-central counties, and in limited areas in the Licking Valley and southeastern mountain section, precipitation ranged between 3.0 and 4.0 inches. In most other districts from 1.5 to 2.5 inches occurred. In general it decreased northwestward toward the Ohio River. The monthly extremes were 0.90 inch at Ravenna and 4.24 inches at Jenkins. Thunderstorms were reported on the 19th and 24th.

MISCELLANEOUS.

January 19.—A tornado with a path about 150 feet wide and 16 miles long occurred in Jefferson County. It appeared near Shively, at 7 29 a. m. passed through the southern extremities of Louisville causing extensive damage, and disappeared near Anchorage about 16 to 20 minutes later. At the same time another tornado, moved parallel to the first one in a similar path about four miles long, extending from Bern Creek to a point

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest	Date	Lowest	Date	Wind *: Total movement	Av. hourly velocity	Max Velocity * Miles per hour	Direction	Date.
Cairo ..... Ill.	30.21	30.74	3	29.40	24	6522	8 8	39	sw.	24
Cincinnati ..... Ohio	30.15	30.63	3	29.18	24	6883	9.3	33	w.	19
Evansville ..... Ind.	30.22	30.76	3	29.25	24	7530	10.1	42	w	24
Lexington ..... Ky.	30.20	30.70	3	29.26	24	10666	13.4	52	w.	24
Louisville ..... Ky.	30.20	30.72	3	29.19	24	8281	11.1	40	w	24

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with: 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	78	63	63	194.9	308.4	63	16	6
Cincinnati ..... Ohio.	81	65	71	197.2	363.4	66	14	5
Evansville ..... Ind.	77	61	69	163.3	305.9	53	13	11
Lexington ..... Ky.	83	70	..	149.5	305.9	49	11	10
Louisville ..... Ky.	76	61	65	153.7	305.9	50	10	8

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature. Monthly average	Departure from 35-year normal.	Highest	Lowest	Precipitation. Monthly average	Departure from 35-year normal.	Average Number of Days: No. of days with .01in or more rain.	Clear.	Partly Cloudy.	Cloudy.	Average Snowfall
1889	38.6	+2.5	65	13	3.52	−0.86	..	..	..	..	..
1890	44.0	+8.5	77	10	6.43	+2.05	..	..	..	..	..
1891	37.0	+1.5	68	14	5.40	+1.02	..	..	..	..	..
1892	29.0	−6.5	65	−6	2.72	−1.66	..	..	..	..	..
1893	26.0	−9.5	67	−32	2.08	−2.30	..	..	..	..	..
1894	38.0	−2.5	58	−12	2.21	−1.47	..	..	..	..	..
1895	30.0	−9.5	58	16	5.71	−1.33	11	8	8	15	..
1896	36.1	−6.6	74	3	1.25	−3.13	6	9	7	15	..
1897	32.0	−3.5	75	16	2.25	−1.13	8	11	7	12	4.2
1898	40.4	+4.9	72	6	8.76	+4.38	12	8	8	15	3.4
1899	34.4	−1.1	68	−18	6.23	+1.85	11	9	8	13	..
1900	37.2	+1.7	77	8	3.80	−1.58	8	12	7	12	2.2
1901	36.7	+1.2	75	4	1.85	−2.53	7	12	7	11	0.8
1902	33.7	−1.8	70	5	5.14	+0.76	14	5	12	14	2.5
1903	34.8	−0.7	62	−9	2.50	−1.88	9	11	6	14	1.5
1904	32.3	−3.2	70	−9	3.17	−1.21	10	13	5	13	3.5
1905	27.5	−8.0	50	−15	2.83	−1.55	11	10	5	16	12.5
1906	39.7	+4.2	80	−9	3.48	−0.90	11	6	7	18	3.1
1907	43.2	+7.7	83	−11	8.02	+3.64	14	7	6	18	4.3
1908	35.0	−0.5	62	−7	2.20	−2.18	8	13	5	13	1.2
1909	33.5	+2.8	75	−8	3.47	−0.91	9	8	7	16	5.2
1910	30.8	−5.9	70	−8	4.31	+0.03	10	9	5	17	11.0
1911	39.7	+3.2	73	−16	2.88	−1.50	11	7	4	20	3.4
1912	25.9	−9.6	61	−20	3.09	−1.29	8	13	4	14	11.7
1913	42.5	+7.0	76	15	11.51	+7.03	14	8	6	17	1.4
1914	33.4	−2.1	70	5	3.31	−2.07	6	9	7	15	3.1
1915	37.0	+1.5	67	0	5.03	+0.65	13	8	7	16	2.1
1916	41.2	+5.7	78	8	7.27	+2.89	14	9	7	15	2.3
1917	36.7	+1.2	74	−17	6.28	+2.10	12	8	8	15	12.5
1918	25.6	−13.5	62	−10	3.09	+0.71	14	9	7	15	25.3
1919	37.9	+2.4	76	1	3.42	−0.56	7	16	6	9	1.6
1920	33.1	−2.1	67	1	5.55	+2.07	16	6	9	16	1.6
1921	39.7	+4.2	71	12	3.06	−1.52	10	10	5	16	0.5
1922	34.6	−0.9	67	1	1.25	−2.13	5	12	8	11	1.1
1923	41.0	+5.5	68	11	5.11	−1.53	12	8	6	17	1.1
1924	31.3	−4.2	66	−8	7.95	+3.07	9	15	3	13	1.1
1925	35.8	+0.3	66	9	2.69	−1.78	10	7	5	19	4.1
1926	39.4	+4.1	69	11	4.61	−0.97	10	12	5	14	1.1
1927	37.8	+2.5	70	−3	6.83	+1.05	12	10	5	16	2.2
1928	35.0	−0.5	76	8	2.47	−1.91	8	14	7	10	3.0

Climatological Data for January, 1928.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	24	36 0 + 0.4	69	11†	— 2	3	44	2.70	−1.57	1.00	.....	5	16	5	10	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	46	36.0 + 2.0	72	11	— 2	1†	32	1.78	−2.72	0.67	0.1	8	11	7	13	sw.	E. W. Horr.
Calhoun	McLean	437	24	36.4 — 0.8	74	16	— 5	1†	40	1.89	−2.99	0.56	0.2	7	8	15	8	nw.	W. A. Taylor.
Earlington	Hopkins	420	35	36.3+ 1.0	73	16	— 1	1†	39	2.01	−2.47	0.55	0.5	7	16	7	8	sw.	Brick Southworth.
Hopkinsville	Christian	519	11	36.4 + 0.8	73	16	— 4	2	43	2.26	−2.08	0.83	1.0	8	13	8	10	s.	C. R. Lovell.
Greenville	Muhlenburg	524	32	36.4 - 1.1	74	16	— 1	1	41	2.35	−2.81	0.62	0.1	6	13	3	15	se.	W. E. Graves.
Hopkinsville	Christian	571	30	35.9 + 0.1	72	16	— 3	1	33	1.70	−2.93	0.60	T.	4	13	8	10	nw	R. C. Paris.
Marion	Crittenden	364	19	*34.8 + 2.2	73*	16	— 2*	1	39[a]	2.84	−1.19	1.20	.....	4	9	13	9	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	412	2	36.0	75	16	— 2	8	45	2.33	.....	0.71	0.0	4	12	13	6	s.	Harry B. Arnold
Murray	Calloway	479	31	33.9 — 1.0	73	16	— 6	1	38	1.71	−2.38	0.56	1.0	7	16	8	7	s.	Henry S. Berry.
Owensboro	Daviess	479								1.66	.....	1.18	1.0	3	.....	.....	.....	.....	George McGlemary.
Owensboro, Dam 46	Daviess	516	11	36.9 + 1.0	73	16	1	1†	38	2.10	−3.06	0.70	.....	5	14	8	9	sw.	J. W. Lilley
Paducah, near	McCracken	341	89							2.26	−2.20	0.72	T.	5	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	529	21	34.6 — 1.0	72	16	2	1†	40	1.98	2.27	0.64	T.	9	10	11	10	s.	Dr. W. L. Cash.
Princeton	Caldwell	884	11							1.92	−1.69	0.87	1.2	7	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2‡	McLean	590	17	34.5 — 1.0	73	16	— 3	2	43	1.77	−3.45	0.65	.....	6	21[a]	2[a]	7[a]	s.	Wm. Shelton.
Sessalville	Logan									1.73	.....	1.02	1.9	9	.....	.....	.....	.....	E. H. Morris.
Uniontown, Dam 49	Union																			
Central Division.		332								2.28	.....	1.14	1.0	9	.....	.....	.....	.....	C. L. Moore.
Addison, Dam 46	Breckinridge	700	27	32.6 — 0.4	71	16	— 3	5	37	2.26	−1.82	0.64	2.0	7	15	13	3	sc.	C. E. Barret.
Anchorage	Jefferson	637	31	34.6 — 0.7	72	16	— 5	3	38	2.77	−1.95	0.80	3.0	7	16	2	13	sw.	Mrs. Emily T. Sisco.
Barkstown	Nelson	500	39	37.2 + 0.2	73	16	— 3	2	33	3.62	−1.29	1.00	1.2	8	15	6	10	w.	Mrs. Lillie G. Causey.
Bowling Green	Warren	469	3							2.49	.....	0.83	1.7	8	.....	.....	.....	.....	J. Frank Thomas.
Bowling Green, No. 2	Warren	410	11							2.58	3.12	0.74	0.8	10	.....	.....	.....	.....	Virgil M. Whalin.
Brownsville, Lock 6‡	Edmonson	778	37							3.78	−0.77	0.78	4.0	10	.....	.....	.....	.....	F. E. Bradshaw.
Burnside	Pulaski	422	29							1.73	−1.77	0.66	.....	8	.....	.....	.....	.....	Shelby Angel.
Carrollton, Lock 1	Carroll	422	14							2.39	−1.87	1.14	1.9	10	.....	.....	.....	.....	W. A. Cockerill.
Cloverport	Breckinridge	489	2							2.08	.....	0.58	0.8	9	.....	.....	.....	.....	W. L. Patchell.
Cold Spring, Dam 36	Campbell	779	4	32.7	62	15†	— 4	1†	35	3.04	.....	0.87	2.0	9	14	1	16	s.	G. D. Glass.
Dix Dam, Burgin	Mercer	1177	34	34.2 — 0.8	69	16	— 7	2	29	2.46	−2.01	0.97	4.0	7	8	10	13	s.	Mrs. Katie Payne.
Eubank	Pulaski	560	36	35.6 - 0.4	70	14†	— 2	2	35	2.39	−1.74	0.68	2.0	9	17	2	12	s.	Sidney Wood.
Frankfort	Franklin	691	33	38.4 0.2	74	16	— 3	2†	38	3.10	−1.36	1.05	0.2	6	18	7	6	s.	M. E. Johnson.
Franklin	Simpson	600	3							1.51	−2.60	0.42	.....	9	.....	.....	.....	.....	Albert Purvis.
Goat, Lock 3	Henry	449	17																Dr. Fidella Edwards.
Glasgow	Barren	780	7																Bert Ross.
Grant, Dam 38	Boone	606	3							1.64	.....	0.42	T.	6	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	35	34.0 0.7	72	16	— 5	2	43	3.90	−0.90	1.31	2.0	9	10	0	21	sw.	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	550	26							3.09	−1.30	0.98	3.0	11	.....	.....	.....	.....	W. J. Biggott.
Irvington	Breckinridge	646	30	35.0 0.6	71	16	— 2	1†	29	2.49	1.87	1.23	0.2	6	12	7	12	sw.	William F. Grubbs.
Jamestown City	Boyle	985	34	35.6 + 0.5	72	16	— 8	2	36	3.37	−1.62	1.28	1.5	12	15	10	6	sw.	L. J. Vanlook.
Lancaster	Garrard	1032	2							2.39	.....	0.60	.....	11	.....	.....	.....	.....	H. H. Willis.
Leitchfield	Grayson	625	32	35.2 + 0.2	72	16	— 4	3	35	2.73	−1.92	0.82	2.5	8	12	9	10	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	44	35.6 — 2.7	67	16	— 2	2	25	2.68	−1.15	1.37	2.4	9	12	7	12	sw.	U. S. Weather Bureau.
Little Beckman, Lock 8¶	Jessamine	523	17							3.13	−1.61	0.76	3.0	9	.....	.....	.....	.....	Horace Carter.
Lockport, Lock 2	Henry	476	18							1.58	−2.86	0.54	1.9	9	.....	.....	.....	.....	Andrew J. Keenan.
LOUISVILLE	Jefferson	525	55	33.6 0.8	70	16	— 5	1	29	2.01	−1.99	1.02	2.5	7	10	10	11	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	18	34.2 — 0.4	69	16†	— 3	1	38	2.27	−2.23	1.11	2.0	7	14	5	12	s.	Wm. I. Hunt
Munfordville	Hart	600	3							2.60	.....	1.10	.....	6	.....	.....	.....	.....	C. R. Richardson.
St. John	Hardin	777	32	33.7 - 0.1	71	16	— 5	2†	39	3.48	−1.12	1.02	2.6	6	20	4	7	.....	Sisters of Loretto.
Salsbie, Lock 6¶	Mercer	490	14							3.82	−1.15	0.89	3.0	9	.....	.....	.....	.....	Ernest M. Searcy.
Scott ¶	Kenton	900	30	31.8 - 0.5	67	14†	— 5	3	33	2.14	−1.61	0.74	1.8	9	9	6	16	sw.	E. B. Wilson.
Shelbyville	Shelby	825	39	32.2 - 1.2	70	16	— 6	2†	40	2.79	−1.47	0.84	3.0	9	13	3	15	sw.	Miss Ruth Ratta.
Taylorsville	Spencer	488	26	33.4 — 0.8	70	16	— 4	3	37	3.01	−1.45	0.90	3.0	6	13	6	12	s.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	526	10							2.65	2.10	1.32	3.0	7	.....	.....	.....	.....	R. K. Vaughn.
Williamstown	Grant	943	25	32.0 0.4	66	14†	— 6	3	29	2.38	−1.25	0.70	1.5	7	13	5	13	nw.	Mrs. R. S. Hunslong.
Woodbury, Lock 4‡	Butler	533	11							2.42	−2.66	0.58	1.0	10	.....	.....	.....	.....	J. C. Stinson
Eastern Division.																				
Ashland	Boyd	534	11	36.3 + 1.1	71	14†	0	2	37	2.61	−2.00	0.66	.....	10	12	0	19	s.	Curtis Purvis.
Beattyville	Lee	650	24	33.8 — 1.1	70	14	— 4	2	41	2.64	−2.10	0.72	3.8	12	13	4	14	nw.	Robert S. Smallwood.
Berea	Madison	1070	26	36.0 0.4	70	14†	— 5	2	36	2.68	−2.07	0.85	2.8	10	8	17	6	sw.	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	18							2.26	−2.78	1.70	3.8	13	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	10							2.19	−1.49	0.76	0.5	7	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	660	39							2.19	−1.92	0.82	1.0	7	.....	.....	.....	.....	J. V. Oldham
Farmers	Rowan	668	20	*31.4 — 3.4	71‡	13	— 7‡	3	45‡	2.97	−1.22	1.44	1.0	6	14	6	11	e.	Mrs. R. F. Stamper.
Georgetown	Scott	841	3							2.55	.....	0.70	.....	6	.....	.....	.....	.....	C. A. Glascock
Flemingsburg	Fleming	593	12							2.54	2.23	1.60	1.8	12	.....	.....	.....	.....	John A. Walters.
Ford, Lock 10¶	Clark	589	3							2.62	.....	0.98	0.2	7	.....	.....	.....	.....	Col. Frank Powers.
Grayson	Carter	540	8							2.12	.....	0.70	T.	10	.....	.....	.....	.....	T. Mitchell.
Greenup, Dam 30	Greenup	569	4							2.70	.....	0.75	3.8	11	.....	.....	.....	.....	Chas. O. Hrig.
Hazard	Perry	664	11							2.74	−2.07	0.78	3.0	9	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	1032	3	*34.6	68*	15	— 2*	2	44*	2.50	.....	0.77	2.7	12	12	6	13	e.	Carl Napier.
Hindman	Knott	1566	3							4.24	.....	1.45	.....	11	.....	.....	.....	.....	R. R. Davidson.
Jenkins	Letcher	584	24							2.48	−1.23	0.70	0.6	9	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	524	31	32.8 0.1	68	15	— 2	2†	38	2.21	−1.78	0.68	1.0	10	10	10	11	s.	Perry E. Bennett
Maysville	Mason	1128	32	37.8 1.4	71	15†	— 3	2	44	1.61	−3.27	0.53	2.0	6	18	8	5	.....	Matthew Woodson.
Middlesboro	Bell	930	38	32.2 1.4	70	14†	— 6	2†	32	3.93	−0.79	1.12	2.0	9	16	7	8	w.	W. R. McKee.
Mount Sterling	Montgomery	497	6							2.84	.....	0.76	1.5	9	.....	.....	.....	.....	Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	646	22							2.38	−1.75	1.10	3.0	7	.....	.....	.....	.....	Robert Repass.
Pikeville	Pike	640	3							2.54	.....	0.74	2.0	7	.....	.....	.....	.....	F. C. Ball.
Prestonsburg	Floyd	732	3	35 6	70	14	2	2	41	2.77	.....	0.78	4.2	12	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breathitt	681	10							6.90	−8.06	0.25	.....	7	.....	.....	.....	.....	Walter P. Bush.
Rockcastle, Lock 12	Estill	926	37	31.4 + 0.1	65	15	3	2	37	2.47	−1.84	0.70	2.8	9	18	4	9	.....	J. W. Crooke
Richmond	Madison	1235	5	36 2	71	15	5	3	40	2.83	.....	1.09	5 0	14	19	4	8	sw.	B. P. Crawford.
Sergent	Letcher	544	15							2.58	−2.43	0.67	4.0	11	.....	.....	.....	.....	Thos. Sullivan.
Valley View, Lock 9	Madison	525	12							1.54	−2.53	0.75	.....	4	.....	.....	.....	.....	H. M. Fennin.
Vanceburg, Dam 32	Lewis	1142	3							1.85	.....	0.60	4.7	9	.....	.....	.....	.....	G. H. Zimmerman.
Whitesburg	Letcher	939	31	37.8 0.4	76	15	— 4	2	44	2.69	−2.90	0.62	1.5	10	24	1	6	.....	Lawrence R. Uhl.
Williamsburg	Whitley	611	9							2.41	.....	0.72	3.0	8	.....	.....	.....	.....	W. C. Combs.
Willow, Lock 13	Lee			35.0 0.5	76	15	— 8	2	45	2.47	−1.91	1.45	1.9	8	14	7	10	s.	

State averages and extremes

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, † represents two days, etc.

* Also on other dates. ** Received too late to be included in means and summaries.

¶ Post-office addresses.—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

‡ Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

T. Precipitation is less than 0.01 inch rain or melted snow.

§ Lone Oak.

---

near Jeffersontown. The path of the second storm was about four miles south of the path of the first. The damage in both storms was estimated at $20,000. One person was seriously hurt and brothers sustained minor injuries. In both storms the funnel-shaped cloud, which at times reached the ground, left a path of scattered destruction from one to two hundred yards wide and several miles long. Trees were uprooted or broken off, and buildings were unroofed or blown down. In some instances only kindling wood remained of the buildings. The path of the storm was about 15 miles long and 200 yards wide.

Jan. 24.—A windstorm that traversed Ballard and McCracken Counties, affecting the towns of Wickliffe, Kevil, Gage, Lamont, and Paducah, caused damage estimated at $100,000. Many buildings were unroofed or blown down, and trees were uprooted or broken off. The path of the storm was about 200 yards wide and 15 miles long.

Jan. 24.—A windstorm that traversed Ballard and McCracken Counties, caused damage estimated at $10,000. This fact may explain the relatively light damage and casualty list. A windstorm in Daviess County caused damage to buildings and trees estimated at $50,000.

Daily Precipitation for January, 1928.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G							.60									.10	.40	1.00						.60								
Brandville ..... M	T.						.84	.22	T								.01	.67	.41				.02	.10			T			.03		
Calhoun ..... G	T						.01	.41									.09	.58	.48	T.				.33			T		.01		T	
Earlington ..... G							.12	.47									.12	.50	.55					.26					.05		.1	
Greenville ..... G							.05	.55									.11	.30	.83					.25					.04	T.	.03	
Hopkinsville C	T							.62									.33	.48	.54					.37					T		.03	
Marion ..... O	T.						.50										T.	.60	.40					.20			T		T			
Mayfield ..... M						.49												1.20	.70					.36								
Murray ..... T						T.	.71										.59	.71	.32													
Owensboro ..... O				T.			.03	.37									.05	.56	.51					.15			.04					
Owensboro, Dam 45 ..... O								.38										T.	1.18	T.				T.	T.				.30			
Paducah (near) ¶ ..... O							.20	.35									.20	.70						.65								
Paducah ..... G	T							.72									.12	.35	.85					T	.22		T				T	
Princeton ..... G	T.						.10	.43						.01	T		.16	.47	.64				.01	.15			T		T	.01		
Ramsey, Lock No. 2 ..... G	T.							.44	.01								.03	T.	.87	T				.06	.36				.10			
Rosscilville ..... G									.07									.46	.65					.34	.14						.11	
Tunnelton, Dam 49 ..... O								.24								.01	.02	.09	1.02					.01	.22				.07		.05	
Central Division																																
Addison, Dam 45 ..... O							.41	.06								.02	.09	1.14	.08				.11	.31			.06		T			
Anchorage ..... O							.06	.34									.06	.61	.44	T.				.84			T		.11			
Bardstown ..... S								.48									.33	.42	.45					.80					.26		.04	
Bowling Green ..... G							.10	.80									.30	.60	1.16					.70					.65		.10	
Bowling Green, No. 2 ..... G							T.	.20	.10									.50	.83	.25				.25	.30				T		.06	
Brownsville, Lock No. 6 ..... G								.42	.10							T.	.11	.24	.53	.30	T.			.06	.74				.05	T		
Burnside C	T.	T.						.42	.08								.16	.78	.78	.08				.10	.76				.26		.20	
Carrollton ¶ (Lock No. 1) ..... K								.25	.05									.66	.18					.07	.44				.05			
Cloverport ..... O	.08	T.	T.					.50	.02					T.			.01	.10	1.14	.02				.20	.11				.11	T		
Cold Spring, Dam 36 ¶ ..... O	.18	T.						.22	.15					T.		T.	.02		.36	.44	T			.08	.58		T.		.05	T.		
Dix Dam, Burgin ..... K							.20		.35								.20	.09	.87	.52				.06	.60					.15		
Eubank C	.05								.25									.30	.60						.57						.13	
Frankfort ¶ ..... K	.03							.20	.15							T.		.02	.68	.15				.38	.68		T		.10	T		
Franklin ..... G																	.25		.80	.85				1.05			.05				.10	
Gest, Lock No. 3 ¶ ..... K	.03							.27	.17			T					T.	.02	.41	.42	T.			.06			T.	.10	.03			
Glasgow ..... G										.19									.36							.65						
Grant, Dam 38 ¶ ..... O								.24	.17	T.									.34	.38	T.			.05	.42		T		T			
Greensburg ..... G	T.	T.				T.	.50	.05									.12	.56	1.31					1.03	.10				.17	T	.06	
High Bridge, Lock No. 7 ¶ ..... K	.02							.16	.32								T.	.21	.98	.45				.05	.60				.10	.15	.05	
Irvington ..... O	T.							.50	T.							T.	.22	.08	1.23	T.				.38			T		.08			
Junction City ..... K	.68	.05						.43	.03								.07	.25	1.25					1.01	.02				.04	.10	.04	
Lancaster ..... K	.12							.05	.28								.04	.15	.52	.51			.03	.60					.06	.02	.01	
Leitchfield ..... G	T.						.05	.63								T.	.10	.43	.82					.60					.05		.03	
Lexington *** ..... K	.01						.12	.40	.01								.07	.67	.58	T.				.58			T		.15	.01		
Little Hickman, Lock No. 8 ¶ ..... K	.03		T.					.19	.36								.33	T.	.76	.58				.10	.60		T		.18		T	
Lockport, Lock No. 2 ¶ ..... K							.12	.11				T.	T.		.02	T.	.40	.09	T				.12	.54		T	.06	.03			
LOUISVILLE*** ..... O	T.						.02	.34				T.		T.	T.	T.	.02	.69	.35	T.				.38			T.		.21	T.		
Do. (Cherokee Park) ..... O	T.								.47					T.	T.	.01	*	1.11						.45					.20			
Mumfordville ¶ ..... G							1.10										.30		.45					.20	.50				.15			
St. John ..... S							T.	.66	.01								T.	.83	1.02					.78					.18		T	
Salvisa, Lock No 6 ¶ ..... K	.15							.32	.25									.25	.80	.76				.35	.54				.30	.10		
Scott L	.10						.05	.31	T.							T.		T.	.18	T				.55	.13		.02		.06			
Shelbyville ..... S	.03							.46	.02								.05	.41	.84					.75	.09		T	T	.14			
Taylorsville ..... S	T.						T.	.44										.64	.90					.72	.01		T		.09		T	
Tyrone, Lock No. 5 ..... K	.02							.43									.03	1.32	.07					.50			T	.20	T			
Williamstown L	T.							.45									.01	.20	.64					.70	.25		T		.13			
Woodbury, Lock No. 4 ¶ ..... G	T.							.48	.05								.06	.08	.58	.51				.32	.26				.15		.03	
Eastern Division																																
Ashland ¶ ..... O	.21							.04	.38					.04			.66		.61	.55					.66			.06		.02		
Beattyville ..... K	.07							.07	.23								.25	.10	.30	.59				.02	.72			.03	.13	T.	.13	
Boyd ..... K	.03	T.						.32	.12								.10	.58	.85					.72	.01				.10		.05	
College Hill, Lock No. 11 ¶ ..... K	.07	.02						.10	.30								.05	.10	.70	.25				.05	.43		T		.12	.04	.03	
Cynthiana ¶ L							.12		.33							T.		8	.47	.32				T.	.82				.10	.03		
Falmouth ¶ L	T.							.25	.08										.45	.45				.14	.76		T		.06	T.		
Farmers ¶ L								.47									.10	1.40		.40					.50				.10			
Flemingsburg ¶ L								.50										.70	.55					.60		.26						
Ford, Lock No. 10 ¶ ..... K	.07	T.						.13	.14								.08	.08	1.00	.38				.03	.42		T		.18	.01	.02	
Grayson ..... O	.07							.14	.19										.90	.45				.62		.02						
Greenup, Dam 30 ¶ ..... O	.06							.02	.30					.01			.04		.75	.40				.02	.70		.02	T.	T.			
Hazard ..... K	.43	T.	T.	T.			T.		.28	T.					T.		.05	.22	.75	.23	T				.45		.03	.05	.09	.19	
Heidelberg, Lock No. 14 ¶ ..... K							.11		.25									.07	.64	.65				.78				.08	.04	.12	
Hindman ..... K	.03						.18		.09				T.				.18	.25	.77					.55	.03		T	.05	.12	.05	.20	
Jenkins ¶ ..... K								.15	.10							.17	.23		.90	.45					.58			.11	.17	.06	.32	
Louisa ..... B	.09							.12	.38									.05	.62	.40					.70					.01	.05	
Maysville ¶ ..... O	.05							.13	.25								.04		.42	.58				.03	.67		T		.03			
Middlesboro ¶ C								.18										.28	.42	.53										.35	.45	
Mount Sterling ¶ ..... O	.06					T.	.78	T.								T.	T.	1.12	.88				.90	.11		.14		.11	.03		
Oneonta, Dam 35 ¶ ..... O	.17							.18	.20								T.		.46	.76				.15	.75	T.	T.	.65	.18			
Pikeville ¶ ..... K		T.					T.	.18									T.	.12	1.10	.16					.52							
Prestonsburg ¶ ..... B	T.							.32									.06	.07	.74	.64				.51			T		.10	T	.20	
Quicksand ¶ ..... K	.13						.14	.22									.10	.12	.78	.41				.20	.40			.07		.05	.12	
Ravenna, Lock No. 12 ¶ ..... K		T.					T.	.15							T.		.15	.10	.25					T.					.05	.12	.08	
Richmond ¶ ..... K								.30							.25		.28	.98	.70					.30	.20				.12		.04	
Sergent ¶ ..... K						.03		.17		.03								.20	1.09	.02				.57	.10	.01	.02	.10	.15	.20	.10	
Valley View, Lock No. 9 ¶ ..... K						.10	.35										.12	.49	.67				.12	.40			.02	.25	.04	.02		
Vanceburg, Dam No. 32 ¶ ..... O							.04	.25											.59						.75							
Whitesburg ¶ ..... K	T.						.20												.66	.49	.10				.19		.66	.14	.04	.03	
Williamsburg ¶ C	.17						.16	.10									.25	.72	.62	.21				.58			T	.09		.19	
Wilow, Lock No. 13 ¶ ..... K							.15	.20									.15	.10	.72	.56					.40			.14				

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

¶ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi. ¶Lone Oak

nated at Sharpe. One person was killed and another injured near Gage, Ballard of the State.

Grant, where there were some evidences of tornadic action. Windstorms also caused **Errata for December, 1927.**—Earlington mean temperature 38.9, departure minor damage to roofs, trees and wire systems in the vicinity of Ashland and Lexington. 6.1. Murray mean temperature 37.8; Owensboro, lowest temperature 6 (a). Dec. 31.

Rivers.—Moderate stages for this month prevailed in the Ohio and the other rivers. Bardstown prevailing wind direction south.

Daily Temperatures for January, 1928.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	14	14	23	33	43	60	49	41	58	65	70	95	69	65	69	67	49	59	46	35	45	51	52	44	45	45	37	25	33	36	38	46.6
	Minimum	1	−1	−2	−1	10	29	35	31	29		5	46	39	47	45	45	44	45	26	16	20	25	36	23	24	31	20	10	16	20	28	25.5
Blandville	Maximum	6	14	21	29	42	50	43	45	41		72	68	63	68	62	71	50	47	49	40	32	39	48	50	46	41	45	28	40	35	40	44.2
	Minimum	−2	−2	−2	6	16	29	35	38	30		42	36	47	45	52	48	41	42	45	25	17	28	26	32	25	29	21	12	23	23	26	27.9
Calhoun	Maximum	11	11	21	32	42	52	47	44	42		64	69	64	67	66	74	69	46	58	46	35	43	49	51	42	41	37	25	31	33	38	45.3
	Minimum	5	−3	−3	4	16	33	38	39	31	32	40	29	48	45	52	51	46	42	45	25	23	23	28	36	24	30	20	9	16	21	19	27.5
Earlington	Maximum	9	14	18	29	41	51	47	44	42	55	60	67	65	67	63	73	66	47	59	45	33	40	47	51	41	48	34	24	32	34	36	44.6
	Minimum	1	−1	−1	3	18	33	40	40	31	34	32	28	49	41	54	53	45	43	45	25	17	25	31	34	26	28	21	10	18	23	24	28.0
Greenville	Maximum	12	14	24	31	41	51	47	44	41	58	63	70	65	66	65	73	68	58	59	46	34	42	48	53	42	42	35	24	31	34	35	46.7
	Minimum	2	−4	2	0	13	31	37	35	36	36	38	27	48	42	51	48	46	43	45	25	24	26	28	36	23	31	19	9	16	20	25	27.1
Hopkinsville	Maximum	14	15	21	32	43	52	46	45	41	57	63	69	65	67	64	74	66	54	59	44	35	49	48	50	45	46	41	29	35	37	39	46.6
	Minimum	1	1	2	2	12	26	37	37	30	26	28	28	49	48	45	47	47	43	44	24	16	18	23	36	22	27	20	10	17	22	26	26.1
Marion	Maximum	6	13	20	28	40	48	45	44	42	56	63	68	63	67	61	72	67	46	58	44	31	40	50	46	44	41	36	25	34	36	36	44.2
	Minimum	3	−2	−1	7	18	31	38	42	30	32	38	35	45	50	52	48	44	41	44	24	15	23	28	36	23	30	20	9	18	21	19	27.6
Mayfield	Maximum	16	15	23	36	44	53	54	52	42	58	67	71	65	67	66	73	69	49	60	50	..	40	53	57	44	44	40	32	41	43	41	*48.7
	Minimum	2	0	4	13	16	29	39	35	31	31	37	32	45	50	52	49	48	43	46	28	..	27	27	36	23	30	22	13	20	24	26	*28.8
Murray	Maximum	14	12	22	32	42	53	48	42	42	58	66	70	65	68	70	75	65	54	61	48	35	42	47	52	45	46	38	29	44	38	39	47.0
	Minimum	0	−1	−2	0	8	23	26	37	30	29	33	25	44	40	46	45	47	40	42	26	15	20	21	37	19	25	19	12	16	23	27	24.9
Owensboro	Maximum	18	10	18	28	40	51	46	41	41	54	58	66	62	66	64	73	64	45	58	42	31	41	49	52	31	39	35	26	32	32	38	43.6
	Minimum	6	−4	6	1	11	37	35	38	28	27	32	28	41	40	45	46	42	39	41	21	14	18	28	32	21	27	25	5	14	21	16	24.2
Paducah (Ner)	Maximum	16	15	21	31	42	49	47	44	42	58	63	69	64	69	66	73	65	50	60	45	35	40	48	51	44	42	38	28	40	37	43	46.3
	Minimum	1	0	1	5	15	30	34	38	31	32	40	31	46	47	49	49	46	43	44	26	16	24	24	36	24	30	20	11	19	22	26	27.5
Princeton	Maximum	14	13	19	29	40	48	46	42	41	55	60	67	62	67	63	72	68	47	59	48	32	40	48	51	42	40	35	26	34	35	37	44.8
	Minimum	−2	2	−2	2	9	27	33	36	28	26	30	27	43	38	45	46	46	41	43	24	16	20	22	36	21	28	19	9	17	22	24	24.9
Russellville§§	Maximum	5	13	21	29	38	50	49	44	37	53	64	67	63	64	66	73	60	50	53	39	33	42	45	43	45	46	36	23	34	36	40	44.0
	Minimum	0	−3	2	1	18	17	29	37	32	32	31	30	20	44	46	46	50	46	47	29	16	20	25	32	24	25	20	10	11	21	23	25.0
Central Division																																	
Anchorage	Maximum	8	10	16	29	39	53	57	43	38	56	54	62	62	62	59	71	62	45	57	41	28	42	49	48	35	38	32	19	28	33	40	42.5
	Minimum	−2	−2	3	1	10	28	36	38	31	27	32	25	42	34	43	41	43	40	40	16	14	18	24	34	23	23	13	6	9	10	11	22.8
Bardstown	Maximum	6	12	20	36	40	52	51	47	40	56	65	66	62	66	64	72	63	49	60	47	36	46	51	52	44	45	39	28	40	39	44	47.0
	Minimum	1	−4	−5	0	10	32	37	36	30	28	26	40	42	50	45	44	46	40	42	26	16	20	27	36	23	24	16	7	16	18	17	24.5
Bowling Green	Maximum	15	14	19	31	43	52	49	44	41	57	66	68	69	66	68	73	66	50	56	46	36	46	51	52	44	45	39	25	33	36	40	47.0
	Minimum	0	−3	−1	2	21	26	32	38	33	31	37	37	38	33	40	44	52	50	47	28	18	19	27	37	26	39	20	10	15	20	26	27.5
Dix Dam	Maximum	4	10	18	29	38	49	48	43	45	42	54	57	50	58	60	61	62	52	58	50	28	41	47	49	36	42	32	17	24	33	41	41.5
	Minimum	−4	−4	−2	4	15	25	34	38	35	32	33	27	27	36	47	44	44	43	42	26	14	14	22	29	25	25	17	7	10	15	20	28.9
Eubank	Maximum	25	10	19	20	38	40	45	57	49	51	61	59	64	63	65	64	63	54	56	34	35	43	46	44	54	35	31	25	37	41	43.5
	Minimum	−2	7	−4	3	9	23	29	33	30	30	33	39	41	44	43	53	43	44	11	16	23	35	39	28	26	23	18	16	13	23	25.0
Frankfort	Maximum	20	11	17	27	36	51	52	51	44	53	58	61	62	70	66	70	69	50	59	46	48	40	47	51	46	38	35	28	27	32	38	45.3
	Minimum	1	−2	−1	1	12	30	31	40	34	31	38	26	49	36	47	44	48	43	45	22	26	19	26	38	26	28	16	7	12	19	14	28.9
Franklin	Maximum	17	14	20	31	41	51	48	48	43	58	65	69	67	70	65	74	67	54	60	47	39	43	51	55	46	48	38	30	34	36	37	47.6
	Minimum	0	3	0	3	14	28	36	40	34	33	41	31	50	54	51	47	52	47	48	32	18	21	28	37	26	31	24	13	18	23	28	29.1
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Greensburg	Maximum	2	10	16	29	39	52	52	48	45	52	57	65	61	69	64	72	66	54	59	47	28	43	51	45	48	42	42	26	28	33	38	44.6
	Minimum	2	−5	−4	4	8	23	24	36	32	28	31	22	48	33	49	40	50	42	45	21	14	12	25	30	28	27	18	7	9	12	24	23.8
Irvington	Maximum	10	10	18	27	38	51	47	44	41	54	58	62	61	67	62	71	64	48	58	40	29	41	47	50	38	37	32	21	31	33	40	42.9
	Minimum	2	−2	−1	5	16	32	39	39	32	32	40	33	47	44	51	46	48	42	40	22	16	23	29	38	24	25	20	7	15	20	17	27.0
Junction City	Maximum	18	13	18	30	37	52	56	49	45	57	64	68	65	70	64	72	67	52	58	49	30	42	48	51	46	45	37	32	27	33	41	46.2
	Minimum	−2	8	6	6	7	29	38	40	33	32	43	34	50	34	55	40	49	42	44	24	12	15	30	34	24	29	13	6	7	11	21	23.9
Leitchfield	Maximum	12	12	19	29	39	51	48	42	41	54	61	65	63	66	63	72	64	48	58	43	31	41	47	51	39	42	34	23	30	33	41	43.9
	Minimum	2	3	4	4	14	29	35	38	31	31	39	30	48	45	50	44	48	45	43	22	15	20	26	35	23	31	18	8	13	17	23	26.4
Lexington	Maximum	2	8	13	25	36	50	51	44	37	50	57	60	57	60	61	61	48	56	38	46	49	33	37	28	18	25	29	37	40	1		
	Minimum	2	4	2	8	15	31	36	37	31	32	41	37	48	47	44	42	43	40	36	15	12	19	30	29	22	22	13	5	12	18	21	25.1
Louisville	Maximum	3	10	17	26	37	51	47	44	37	53	59	62	61	68	68	70	64	46	58	35	28	41	48	50	35	36	31	16	27	30	38	41.5
	Minimum	5	−3	−2	10	20	38	40	37	32	33	44	33	47	43	42	41	43	40	35	18	15	25	31	30	23	22	14	6	10	18	17	25.6
Louisville (Cherokee Park)	Maximum	16	8	16	26	37	50	45	42	41	52	56	61	61	68	64	69	69	47	57	44	28	41	47	49	41	36	32	26	32	36	37	42.7
	Minimum	3	−2	−1	5	17	30	38	38	32	30	40	28	47	37	51	40	42	40	43	19	14	22	28	30	25	26	17	6	12	17	14	25.6
St. John	Maximum	11	12	20	28	38	50	48	44	41	55	62	64	64	66	67	71	63	48	59	43	33	41	46	51	39	45	36	28	36	38	44	44.4
	Minimum	−3	−5	5	0	6	24	33	36	30	27	35	24	46	40	46	42	44	42	38	18	12	18	22	30	20	26	18	5	16	15	17	23.0
Scott	Maximum	17	11	16	25	36	50	45	41	40	51	57	57	56	67	62	67	64	55	50	40	24	41	46	46	46	31	28	22	25	28	38	41.0
	Minimum	4	4	5	4	14	30	26	38	32	35	40	26	33	41	41	34	40	34	40	16	11	17	17	25	22	23	22	9	14	16	22.7	
Shelbyville	Maximum	17	8	10	21	38	52	49	47	41	53	58	62	63	69	61	70	64	46	57	43	28	41	49	49	41	36	29	22	29	31	41	42.9
	Minimum	5	6	6	2	8	27	30	36	30	33	43	33	43	40	44	40	40	40	19	11	11	22	32	21	23	12	3	8	10	9	21.5	
Taylorsville	Maximum	16	11	17	27	35	51	50	49	42	53	59	61	61	68	63	70	66	48	57	45	28	40	47	50	39	38	32	25	26	33	38	43.4
	Minimum	1	3	4	1	6	30	29	38	33	28	35	24	46	32	34	45	45	42	45	22	14	17	29	30	24	26	17	7	10	14	7	23.3
Williamstown	Maximum	19	9	15	26	35	49	47	51	41	48	49	56	56	66	63	66	63	47	56	42	24	40	47	46	42	32	29	24	28	37	41	42.7
	Minimum	4	5	6	3	12	28	33	38	34	30	39	28	47	39	45	37	43	37	39	17	1	17	26	33	21	25	12	1	7	16	15	22.7
Eastern Division																																	
Ashland	Maximum	28	15	19	27	38	52	59	57	49	58	62	68	64	71	71	71	68	50	62	51	31	45	50	56	46	43	39	32	28	33	41	47.8
	Minimum	2	0	1	4	12	25	31	36	37	28	35	27	44	40	49	34	47	41	42	22	15	15	32	28	20	26	14	8	8	17	19	24.8
Beattyville	Maximum	27	14	20	29	38	53	56	48	43	55	62	65	61	70	64	69	65	53	58	42	27	42	47	51	38	45	36	21	25	33	38	45.2
	Minimum	0	4	2	3	4	19	26	35	33	29	33	24	42	32	38	41	50	46	42	23	15	21	34	27	42	46	31	17	23	26	28	27	32	40	45.2
Boyd	Maximum	29	16	15	29	36	51	55	50	46	55	62	67	65	70	66	70	68	58	58	44	29	43	51	47	43	36	26	28	26	7	7	16	23	26.8
	Minimum	2	5	−2	−1	15	30	40	43	34	33	42	28	50	43	56	40	51	43	44	22	14	20	35	34	25	30	21	12	16	7	7	16	23	26.8
Farmers	Maximum	16	10	17	30	35	59	50	45	51	59	65	71			70	69	49	57					46	46	44	50	50	50	43	36	25	33	44	*44.7
	Minimum	3	5	7	3	8	..	21	34	34	23	27	20	33	..	31	46	26	43	..	21	12	8	26	28	24	16	3	1	10	12	18	*28.2
Flingman	Maximum	27	11	16	27	35	44	55	47	43	51	61	61	63	67	65	67	56	55	61	48	..	48	57	49	47	43	33	27	39	39	39	*46.4
	Minimum	2	−2	4	−1	5	9	11	24	36	23	28	21	31	33	42	44	49	49	41	4	..	16	38	24	29	23	19	8	3	11	27	*21.7
Maysville	Maximum	21	11	15	27	36	48	54	51	49	56	65	68	66	66	66	72	65	51	58	46	28	41	49	52	42	39	28	23	31	38	42	*42.6
	Minimum	1	2	−2	−1	8	25	30	36	35	26	35	24	49	38	45	37	45	37	42	20	12	15	33	29	25	26	11	6	6	11	11	*22.9
Middlesboro	Maximum	26	25	26	32	41	50	53	53	51	63	62	63	62	71	69	65	66	55	60	51	49	50	55	55	53	53	49	39	39	39	51	*51.0
	Minimum	1	3	6	4	3	6	25	38	22	24	26	25	47	35	45	39	38	32	32	26	27	27	35	26	26	26	20	11	12	12	24	*24.7
Mount Sterling	Maximum	16	9	15	26	37	50	53	45	41	49	56	59	64	70	64	70	62	47	56	46	25	41	48	46	40	35	30	22	24	30	40	*42.3
	Minimum	3	5	5	0	10	25	31	38	30	28	34	32	36	38	39	38	45	40	40	26	11	14	26	24	21	18	14	4	3	15	18	*22.1
Quicksand	Maximum	23	15	26	32	38	53	57	51	45	54	64	67	65	70	69	69	64	55	61	49	29	30	52	57	48	46	42	24	26	27	39	*47.0
	Minimum	2	−2	4	0	6	18	24	34	35	25	30	26	36	33	46	42	42	42	47	25	15	13	26	28	26	24	18	16	7	17	25	*24.2
Richmond	Maximum	29	9	14	26	36	46	47	45	37	50	53	59	56	64	65	64	64	53	55	55	28	40	47	50	38	37	30	25	17	7	10	17	24	*26.6
	Minimum	1	3	2	4	15	28	36	34	33	32	40	31	49	44	54	44	50	43	43	25	13	19	31	28	28	25	17	7	10	17	25	*24.2
Sergent	Maximum	27	13	16	22	42	56	59	50	49	58	67	66	66	69	71	67	60	61	62	49	47	52	54	52	47	43	40	38	42	38	49	*49.2
	Minimum	2	3	5	1	4	16	26	33	35	23	28	28	35	35	42	42	48	51	48	28	14	11	27	24	20	24	20	9	4	17	29	*23.2
Williamsburg	Maximum	28	16	22	33	44	55	58	50	47	49	70	70	69	74	76	73	67	64	64	50	31	45	49	56	50	51	47	46	42	39	50	*50.7
	Minimum	6	4	5	6	6	19	25	38	34	24	33	26	50	38	56	39	52	52	47	26	9	9	31	27	27	28	21	9	8	17	27	*25.0

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* Mean, estimated respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville 3-10-28 1000

05
E

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIII LOUISVILLE, KY., FEBRUARY, 1928 No. 2

GENERAL SUMMARY.

As in the month preceding, temperatures continued changeable, with marked variations from the seasonal averages. Cold weather on the first two days was followed by two weeks in which temperatures above normal predominated, but with occasional sharp freezes and much heaving of the soil. In the last half of the month low temperatures were the rule, but there were occasional complete thaws followed by deep freezes. There was no snow cover of consequence. Precipitation much less than normal permitted some improvement in the drainage of the lighter soils and lessened somewhat the injury to grass and grains from the lifting freezes. The precipitation was sufficiently frequent, however, to keep the clay lands wet enough to offset their slow drainage; hence progressive injury to wheat continued in such districts, and was responsible for extensive damage. In other sections, including much of the blue grass region, the winter killing of wheat appeared to be less serious than on the central uplands; although there was general complaint as to its unsatisfactory condition. The marked variation in the effect of the weather on this crop was due mainly to the difference in the manner in which the soils of the State react to such extremes of temperature as have been experienced during the past winter. While the variable temperatures have been continuously unfavorable for wheat, the light precipitation has been advantageous. Freezes were so frequent that no growth of consequence occurred. At the end of the month fruit buds and other vegetation were entirely dormant. Temperature conditions contributed to the deterioration of dirt and macadamized roads. On the sandy lands of the western counties some plowing was accomplished, but in the main temperatures were too low and the soil was too wet for much progress with this work or in sowing of tobacco plantbeds.

TEMPERATURE.

The temperature for the State, 45 stations reporting, averaged 38.1°, which is 2.1° above normal. In the warm period near the beginning of the month mean temperatures were 10° to 20° above normal on several days, and maxima ranged between 60° and 70° at most stations. Deficiencies of nearly equal magnitude occurred on the 18th, 19th, and in the period 24-26th. The extremes for the State were 72° at Williamsburg on the 4th, and 5° at Williamstown on the 26th.

PRECIPITATION.

Precipitation for the State, based on reports from 84 stations, averaged 2.48 inches, which is 1.05 inches less than the normal for February. The distribution was quite irregular for a winter month. There were large areas in which 3.0 to 3.5 inches occurred, in the western half of the State, and a few small districts that received more than 3.0 inches in the Licking Valley. In most of the eastern half of the State, and also in several western counties, amounts ranged between 1.5 and 2.5 inches. In general precipitation decreased from the Purchase toward the eastern mountain section. The extreme amounts were 4.16 inches at Murray and 0.88 inch at Whitesburg. Light to moderate precipitation occurred in the periods, 5-9th, 13-19th, and 22d-24th. Snowfall was light and mostly melted as it fell. Most of it fell on the 17th, 18th, and 29th. At several upland stations in the northern counties total amounts ranged between 1.5 and 3.0 inches. Sleet was reported on the 14th, 15th, 17th, 23d, and 29th; and thunderstorms on the 6th, 14th and 23d.

PRESSURE AND WIND.

Stations	Atmospheric Pressure (In inches reduced to sea-level) Average.	Highest.	Date.	Lowest.	Date.	Wind: Total movement	Av. hourly velocity	Max. Velocity: Miles per hour	Direction	Date
Cairo ..... Ill.	30.16	30.57	26	29.64	14	6178	8.9	28	nw	23
Cincinnati ..... Ohio	30.14	30.57	21	29.56	14	5614	8.1	26	nw.	14
Evansville ..... Ind.	30.18	30.60	26	29.62	14	6532	9.4	28	nw.	15
Lexington ..... Ky.	30.17	30.57	21	29.68	18	9175	13.2	35	nw.	18
Louisville ..... Ky.	30.16	30.59	26	29.63	14	7156	10.3	32	w.	18

*For any five minute period. †By 3 cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	78	61	62	168.8	314.9	54	14	12
Cincinnati ..... Ohio	81	59	70	122.2	312.2	39	9	14
Evansville ..... Ind.	76	52	70	138.1	316.6	44	10	14
Lexington ..... Ky.	86	68		119.3	313.6	38	8	14
Louisville ..... Ky.	87	62	67	127.8	313.6	41	8	15

LIBRARY OF THE
MAR 15 1928
UNIVERSITY OF ILLINOIS

COMPARATIVE DATA FOR FEBRUARY.

Year	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	Average Number of Days. No. of days with .01 in or more rain.	Clear.	Partly Cloudy.	Cloudy.	Average snowfall
1889...	34.1	− 1.9	74	3	1.91	−1.62	...	...	...	...	...
1890...	45.6	+ 9.6	86	16	7.98	+4.45	...	...	...	...	...
1891...	42.2	+ 6.2	76	0	4.72	+1.19	...	...	...	...	...
1892...	42.2	+ 6.2	70	11	2.92	−0.61	...	...	...	...	...
1893...	37.7	+ 1.7	70	3	4.40	+0.87	...	...	...	...	...
1894...	34.6	− 1.4	74	2	4.66	+1.13	...	...	...	...	...
1895...	25.9	−10.1	80	−18	0.66	−2.87	5	12	8	8	...
1896...	37.4	+ 1.4	81	−12	3.06	−0.47	9	9	5	12	...
1897...	39.8	+ 3.8	76	8	5.75	+2.22	11	8	7	13	1.2
1898...	37.4	+ 1.4	77	− 3	1.61	−1.92	6	10	8	10	2.6
1899...	26.2	− 9.8	71	−30	3.97	+0.44	11	9	6	13	10.8
1900...	32.5	− 3.5	76	− 9	4.68	+1.15	12	7	8	13	7.0
1901...	32.4	− 3.6	71	1	1.27	−2.26	6	10	7	11	2.1
1902...	27.9	− 8.1	69	− 3	1.30	−2.23	7	10	6	12	2.8
1903...	37.5	+ 1.5	75	−16	7.28	+3.75	9	11	4	13	6.1
1904...	35.2	− 0.8	75	− 2	2.32	−1.21	7	11	8	10	2.6
1905...	27.9	− 8.1	67	−16	2.44	−1.09	9	10	5	13	3.9
1906...	34.7	− 1.3	75	−12	1.81	−1.72	5	16	5	8	5.9
1907...	35.7	− 0.3	73	−10	3.06	−0.47	9	13	5	12	7.6
1908...	35.6	− 0.4	70	2	5.56	+2.03	13	9	5	15	3.1
1909...	42.4	+ 6.4	75	8	8.17	+4.64	11	12	4	12	1.0
1910...	32.9	− 3.1	66	−12	4.70	+1.17	10	12	4	12	11.9
1911...	42.0	+ 6.0	80	11	3.25	−0.28	5	10	4	14	0.4
1912...	29.7	− 6.3	58	14	3.08	−0.45	7	10	5	14	2.1
1913...	34.8	− 1.2	77	− 2	2.94	−0.59	7	14	5	9	1.4
1914...	32.2	− 3.8	69	− 2	4.14	+0.61	11	10	5	13	7.2
1915...	33.9	− 2.1	75	13	1.74	−1.79	8	9	6	13	6.2
1916...	35.0	− 1.0	72	4	2.99	−0.54	9	11	6	10	5.0
1917...	34.8	− 1.2	76	− 9	3.51	−0.02	8	9	8	11	4.7
1918...	39.3	+ 3.3	83	− 5	2.94	−1.29	7	11	5	10	0.6
1919...	38.6	+ 2.6	69	12	1.79	−1.74	9	11	5	12	1.1
1920...	35.7	− 0.3	71	0	2.27	−1.26	6	8	5	16	3.8
1921...	41.3	+ 5.3	77	11	3.20	−0.33	19	8	5	15	8.9
1922...	41.3	+ 5.3	76	4	3.78	+0.05	10	8	6	14	0.8
1923...	34.6	− 1.4	74	− 4	4.67	+1.34	16	10	5	13	1.6
1924...	36.0	− 0.0	71	9	2.56	−0.77	9	9	5	5	1.9
1925...	44.0	+ 8.0	76	8	3.91	+0.58	6	12	6	10	0.6
1926...	40.1	+ 4.1	76	4	3.14	−0.20	15	8	7	13	1.4
1927...	47.6	+ 9.6	81	15	2.65	−0.68	11	10	6	12	4.7
1928...	38.1	+ 2.1	72	5	2.48	−1.05	10	13	4	14	1.0

Climatological Data for February, 1928.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall melted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	24	40.4	+ 4.2	69	4	10	26	37	3.15	0.03	0.95		8	11	4	14	n	Mrs. Lena F Taylor.
Blandville	Ballard	445	46	39.8	+ 3.0	68	6	13	18	31	3.27	−0.95	0.52	0.8	10	13	1	15	sw.	E. W. Horr.
Calhoun	McLean	437	24	40.2	+ 2.5	70	4	15	19†	30	3.01	−0.25	0.57	0.5	9	6	12	11	nw.	W. A. Taylor.
Earlington	Hopkins	420	38	40.1	+ 3.8	69	4	11	19†	33	3.30	−0.30	0.88	0.5	10	13	3	13	nw	Brick Southworth.
Greenville	Muhlenburg	519	11	39.8	+ 0.5	70	4	13	19	36	1.99	−1.35	0.64	1.0	10	13	7	9	w.	C. R. Loyell.
Hopkinsville	Christian	824	32	40.2	+ 1.8	70	4	14	19†	27	2.84	−0.20	0.58	T.	8	12	8	9	sw.	W. E. Graves.
Marion	Crittenden	871	30	39.5	+ 2.5	65	4	14	18	32	3.22	0.42	0.97		7	12	8	9	sw.	B. C. Paris
Mayfield	Graves	364	19	42.0	+ 4.0	68	4	14	18	32	4.16	.....	1.23	.....	5	15	4	10	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	2	40.3	.....	70	4†	11	26	40	2.20	−0.73	0.53	1.0	9	12	5	12	nw.	Harry B. Arnold
Owensboro	Daviess	479	31	37.4	+ 1.3	66	4	12	26	31	2.95	.....	0.75	1.5	7					Henry S. Berry
Owensboro, Dam 46	Daviess	479									3.15	+0.49	0.75	.....	8	15	2	12	nw.	George McGlemary.
Paducah (near)	McCracken	516	11	40.4	+ 1.3	67	6	15	18†	34	2.70	−0.67	1.50	.....	10	.....	.....	.....	.....	J. W. Lilley
Paducah	McCracken	841	29	.....	.....	.....	.....	.....	.....	.....	3.18	−0.71	0.93	T.	12	11	5	13	s.	Frank L. Brown.
Princeton	Caldwell	529	21	38.8	+ 2.4	69	4	13	19†	37	2.55	−0.17	0.61	T.	7	.....	.....	.....	.....	Dr. W. L. Cash.
Ramsey, Lock 2 ‡	McLean	384	11	.....	.....	.....	.....	.....	.....	.....	2.04	−1.63	0.75	.....	6	10	2	17	s.	Thos. L. Wetzell.
Russellville	Logan	590	17	38.2	+ 0.8	67	4	11	18†	42	2.78	.....	0.94	2.1	11	.....	.....	.....	.....	Wm. Shelton.
Uniontown, Dam 49	Union																			E. H. Morris.
Central Division.																				
Addison, Dam 16	Breckinridge	352		.....	.....	.....	.....	.....	.....	.....	2.84	.....	0.63	.....	12	.....	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	700	27	35.4	+ 2.4	62	4	8	2†	35	2.35	−0.49	0.53	3.7	9	11	2	16	nw.	C. E. Barret.
Bardstown	Nelson	687	31	37.8	+ 2.1	68	4	9	26	34	2.25	−1.42	0.80	0.5	7	15	3	11	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	39	40.4	+ 2.8	70	4	11	26	36	3.35	−1.32	1.00	T.	11	12	7	10	w.	Mrs. Lillie G. Causey
Bowling Green, No. 2	Warren	469	3	.....	.....	.....	.....	.....	.....	.....	2.07	.....	0.79	.....	9	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6 ‡	Edmonson	410	11	.....	.....	.....	.....	.....	.....	.....	2.64	.....	0.56	T.	10	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	778	37	.....	.....	.....	.....	.....	.....	.....	1.95	−2.24	0.40	T.	10	.....	.....	.....	.....	F. Hudelshaw.
Carrollton, Lock 1	Carroll	422	29	.....	.....	.....	.....	.....	.....	.....	1.99	−0.64	0.56	.....	7	.....	.....	.....	.....	Shelby Angel.
Cloverport	Breckinridge	422	14	.....	.....	.....	.....	.....	.....	.....	3.28	+0.52	0.73	2.6	11	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	2	.....	.....	.....	.....	.....	.....	.....	3.20	.....	1.32	3.2	11	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	4	36.2	.....	69	4	10	26	34	2.33	.....	0.72	.....	12	15	0	14	nw.	G. D. Glass.
Eubank	Pulaski	1177	34	38.7	+ 3.9	66	4	10	19	30	1.91	−1.05	0.52	1.5	8	6	5	18	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	36	37.4	+ 1.5	66	4	11	26	33	1.71	−1.85	0.68	T.	9	11	1	17	w.	Sidney Wood.
Franklin	Simpson	691	33	41.5	+ 2.5	70	4	14	19†	34	3.42	−1.47	0.90	.....	8	16	4	9	s.	M. E. Johnson.
Gest, Lock 8	Henry	449	17	.....	.....	.....	.....	.....	.....	.....	2.00	−1.06	0.60	.....	13	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	7	38.6	.....	65	4	10	19	39	.....	T.	.....	18a	5a	5a	5a	s.		Dr. Fidella Edwards.
Grant, Dam 38	Boone	506	3	.....	.....	.....	.....	.....	.....	.....	2.68	.....	1.22	.....	15	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	581	35	37.4	+ 2.5	69	4	9	26	38	3.14	−0.76	0.84	0.5	14	7	2	20	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	26	.....	.....	.....	.....	.....	.....	.....	2.19	−1.06	0.70	1.0	11	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckinridge	646	30	38.1	+ 2.0	66	4	14	2†	29	2.45	−0.68	0.51	0.2	11	12	1	16	w.	W. J Piggott.
Junction City	Boyle	985	34	37.4	+ 2.8	69	4	8	26	38	3.24	−0.50	0.82	2.0	14	11	9	9	sw.	William E. Grubbs.
Lancaster	Garrard	1032	2	.....	.....	.....	.....	.....	.....	.....	3.10	.....	0.55	.....	12	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	635	32	38.0	+ 2.8	66	4	11	19†	30	3.28	−0.20	1.10	1.0	11	12	5	12	sw.	H. H. Willis.
Lexington	Fayette	989	44	35.6	+ 0.2	64	4	11	26	30	2.30	1.04	0.70	1.6	11	11	2	16	sw.	U. S. Weather Bureau.
Littell Dickman, Lock 8	Jessamine	523	17	.....	.....	.....	.....	.....	.....	.....	2.86	−0.89	0.84	.....	9	.....	.....	.....	.....	Horace Center.
Lockport, Lock 2	Henry	476	18	.....	.....	.....	.....	.....	.....	.....	1.74	−0.88	0.42	1.2	12	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	55	36.4	− 0.9	63	4	14	26	30	2.51	1.13	0.74	0.7	12	10	2	17	sw.	U. S. Weather Bureau.
Do Cherokee Park	Jefferson	534	18	36.7	+ 1.0	62	4	11	2	29	2.54	−0.28	0.90	1.0	11	11	2	16	s.	Wm. T. Hunt
Munfordville	Hart	600	3	.....	.....	.....	.....	.....	.....	.....	2.90	.....	1.10	.....	9	.....	.....	.....	.....	C. R. Richardson.
St. John	Hardin	777	32	37.0	+ 2.5	65	4	8	26	34	3.47	−0.25	0.89	1.1	13	13	2	14	.....	Sisters of Loretto
Salvisa, Lock 6 ¶	Mercer	490	14	.....	.....	.....	.....	.....	.....	.....	2.73	−0.48	0.90	.....	8	.....	.....	.....	.....	Ernest M. Searcy.
Scott ¶	Kenton	960	30	33.6	+ 1.4	55	3	5	26	35	3.23	+0.58	0.90	2.8	13	6	6	17	w.	E. B. Wilson
Shelbyville	Shelby	825	39	34.6	+ 0.8	63	4	6	2†	36	2.52	−1.28	0.68	2.0	11	11	0	18	sw.	Miss Ruth Estta.
Taylorsville	Spencer	489	26	36.0	+ 0.6	65	4	7	2	34	2.31	1.15	0.68	0.5	11	11	3	15	nw.	E. D. Bourne.
Tyrone, Lock 6 ¶	Anderson	526	10	.....	.....	.....	.....	.....	.....	.....	2.63	−0.50	0.85	.....	10	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	948	25	34.4	+ 2.4	55	4†	5	26	36	2.27	0.46	0.46	4.0	12	7	7	15	w.	Mrs. E. S. Hamilong.
Woodbury, Lock 4 ‡	Butler	533	11	.....	.....	.....	.....	.....	.....	.....	2.78	−0.78	0.82	0.2	9	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	11	38.7	+ 1.9	69	4	13	26	38	2.40	−0.66	0.55	T.	14	8	0	21	nw.	Curtis Purvis.
Beattyville	Lee	650	24	37.2	+ 1.5	68	4	10	2	41	1.83	−2.04	0.40	1.0	14	6	6	17	w.	Robert S. Smallwood.
Berea	Madison	1070	26	38.3	+ 1.4	68	4	12	2†	33	2.02	−1.09	0.53	1.5	13	5	17	7	sw.	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	18	.....	.....	.....	.....	.....	.....	.....	2.08	0.58	0.50	0.5	11	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	10	.....	.....	.....	.....	.....	.....	.....	2.14	−0.54	0.62	.....	12	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	39	36.8	+ 0.2	68	4	7	26	42	2.17	−1.02	0.63	.....	9	.....	.....	.....	.....	T. V. Oldham.
Farmers	Rowan	668	29	.....	.....	.....	.....	.....	.....	.....	2.25	0.75	0.83	.....	5	11	3	15	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	3	.....	.....	.....	.....	.....	.....	.....	3.30	.....	0.60	.....	8	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10 ¶	Clark	503	12	.....	.....	.....	.....	.....	.....	.....	2.45	−0.36	0.87	0.7	11	.....	.....	.....	.....	John A. Wolters.
Grayson	Carter	589	3	.....	.....	.....	.....	.....	.....	.....	2.36	.....	0.63	.....	11	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	8	.....	.....	.....	.....	.....	.....	.....	2.91	.....	0.81	.....	11	.....	.....	.....	.....	T. Mitchell.
Hazard	Perry	869	4	.....	.....	.....	.....	.....	.....	.....	1.48	.....	0.26	0.1	12	.....	.....	.....	.....	Chas O. Ihrig.
Heidelberg, Lock 14	Lee	664	11	.....	.....	.....	.....	.....	.....	.....	2.11	−1.26	0.45	.....	10	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	3	37.4	.....	62a	23	11a	19†	40a	1.54	.....	0.25	2.5	13	11	2	16	e.	Carl Napier.
Jenkins	Letcher	1566	3	.....	.....	.....	.....	.....	.....	.....	2.30	.....	0.67	.....	9	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	584	24	.....	.....	.....	.....	.....	.....	.....	1.62	−1.71	0.26	.....	10	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	21	34.4	− 0.3	55	7	8	26	31	2.42	0.75	0.61	1.0	11	6	4	19	sw.	Perry E. Bennett
Middlesboro	Bell	1128	32	41.9	+ 2.1	64	4	11	19	39	1.32	−8.29	0.45	.....	8	13	3	3	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	38	35.8	+ 2.4	61	23	7	26	28	3.09	0.90	0.67	0.2	11	12	1	16	nw	W. R. McKee.
Oneonta, Dam 35	Campbell	497	6	.....	.....	.....	.....	.....	.....	.....	3.17	.....	1.20	T.	11	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	22	.....	.....	.....	.....	.....	.....	.....	2.82	0.52	0.56	0.0	9	.....	.....	.....	.....	Robert Bepass.
Prestonsburg	Floyd	640	3	.....	.....	.....	.....	.....	.....	.....	1.65	.....	0.40	.....	8	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breath it	732	3	38.8	.....	69	4	14	2	41	2.70	.....	0.43	2.0	10	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	10	.....	.....	.....	.....	.....	.....	.....	2.15	−0.87	0.56	.....	10	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	37	36.9	+ 1.6	59	4	11	26	30	2.25	1.19	0.55	.....	9	12	0	17	.....	I. W. Crooke.
Sergent	Letcher	541	15	.....	.....	.....	.....	.....	.....	.....	1.89	.....	0.26	.....	15	16	1	12	sw.	R. P. Crawford.
Valley View, Lock 9	Madison	525	13	.....	.....	.....	.....	.....	.....	.....	1.84	−1.34	0.45	1.0	11	.....	.....	.....	.....	Thos Sullivan.
Vanceburg, Dam 32	Lewis	1142	3	.....	.....	.....	.....	.....	.....	.....	2.79	1.11	0.43	.....	12	.....	.....	.....	.....	H. M. Fannin.
Whitesburg	Letcher	929	31	40.8	+ 2.0	72	4	10	19	44	0.88	.....	0.24	2.0	6	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	611	9	.....	.....	.....	.....	.....	.....	.....	1.59	2.01	0.25	T.	9	19	6	4	.....	Lawrence R. Uhl.
Willow, Lock 18	Lee			38.1	+ 2.1	72	4	5	26	44	1.79	−0.76	0.45	.....	8	.....	.....	.....	.....	W. C. Combs.
State averages and extremes											2.48	−1.05	1.80	1.0	10	11	4	14	sw.	

All temperature data are taken from self-registering thermometers.

3 — departure from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section, or division means

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc

‡ Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

T Precipitation is less than 0.01 inch rain or melted snow

§ Lone Oak, Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

* Also on other dates.

† Received too late to be included in means and summaries

¶ Post-office a Briggs.

MISCELLANEOUS.

The Ohio River was comparatively low at the beginning, but rose to moderate [illegible] the second week, and continued in that condition until the end of the month [illegible] the Ohio were rather low for late winter.

Daily Precipitation for February, 1928.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
aver Dam					.40		.95	.10					.10	.45		.05						.70	.40								2.15
andville				.31	.04	.92		.06					.08	.20			.21					.41	.08						.21		2.27
lhoun				T	.45	T	.57	.19	T				.06	.53	T		.11	T				.57	.42		T				.11		3.01
rlington					.38	.01	.83	.05					.03	.55			T	.10				.56	.07						.05		2.30
eeuville					.15	.64	.55	.03					.04	.40			.02	.02				.64							.10		1.99
pkinsville					.21		.66	.02					.02	.38				T				.53	.22						.05		1.99
rton					.19		.58						.10	.51		T	.17	T				.52	.20						.28		2.04
yfield				.50			.97							.47			.05					.60	.57						.10		2.27
rray				T	.53		1.23						T	1.01								.71	.48						T		4.16
rensboro				T	.16		.41	.16					.03	.53			.16					.40	.06	T					.06		2.56
rnsburg, Dam 46					.30		.66	.20					T	.75		T	T	.10				T	.45	.45		T					2.95
rnsburg (near) ¶					.25		.75						.12	.43			.20					.66	.60						.20		3.15
rnwell					.21		.70	.07					.04	.50			.20	.06				.04	.45	.43							2.70
rneton				.18	.20		.93	.02					.01	.76	.01		.07	.02				.60	.50						.28		2.80
rsey, Lock No. 2					.40		.61	.18	.06					.52			T		T				.56	.22							2.55
ssellville					.25		.41							.40		.02							.75	.21							2.04
nntown Dam 49					.15		.46	.04						.54	.01		.11	.09	.05			T	.38	.94	.01						2.58
Central Division																																
bison, Dam 45				.24	.01	.56	.07	.09					.59	.02	.02		.08	.05	T			.63	.48								2.84
chorage				1.	.21		.32	.03					.05	.53		T	.17					.39	.40						.25		2.56
rdstown					.25			.30						.30			.17	.08				.89	.35								2.26
rling Green					.40	.10	.50	.10					.25	.20		.05	.05	.10				1.60	.60								3.55
rling Green, No. 2					.33	.03	.43	.02						.33	T.	.02		.04	T.				.79	.08							2.67
rnsville, Lock No. 6					.28	.03	.49		.03					.48	.02	.05		.03	T				.98	.25							2.64
rnside					.40	.05	.04	.24	.02					.36	.18	.16	T	.02	T				.58								1.85
rrollton (Lock No. 1)					.56		.22		.68					.45		.03							.92	.33							1.99
verport					.41	T.	.62	.12	.09					.58	.02		.09	.09	.10				.73	.43							2.28
ld Spring, Dam 36					1.32	T	.43	.06	.08					.52	.01	.04	T	.08	.02	T			.50	.34		T					3.20
x Dam, Burgin				.23	.03	.18	.32	.04					.25	.65	.09				.02			.72		.20					.26		2.45
bank					.31		.15	.19						.43		.17		.08					.52						.06		1.91
nkfort					.10	.03	.05	.23	.03	T.				.38	T.	.03	T.	T	T.				.68	.18							1.71
nklin						.40	.85	.10						.54	.05		.08					.90	.50								3.42
st, Lock No. 3					.10	.03	.17	.05	.30					.28	.03	.04	.02	.10	.02				.60	.20							2.10
sgow								.26						.26				T			.18				.11					
ant, Dam 38					1.22	.06	.16	.17	.04					.27	.06	.02	.01	.06	.01				.31	.24							2.68
eensburg					.31	.02	.84	.02	.02				.04	.43	.01	.16	.04	.05				.80	.25	.15							3.14
gh Bridge, Lock No. 7					.18	.04	.14	.39						.28		.10	.05	.10	.05				.70	.16							2.19
rington				T.	.19		.51	.10		T.			.06	.40	T.	.06	.14	.16				.36	.42		T				.05		2.45
nction City					.32	.01	.82	.12	.06				.04	.47	.01	.11	.06	.02				.65	.58	.14							3.24
ncaster					.25	.01	.08	.41	.05					.12	.19	.08		.06	.06				.58	.21							2.10
rtchfield					.25		.41	.10					.10	1.06		.05	.06	.06				.80	.30		T				.05		3.28
xington				T.	.24		.53	.05	T.				.03	.30		.08	.07	.06				.70	.16						.08		2.30
tle Hickman, Lock No. 8					.10	T	.30	.26						.37	.05	.15	T.	T	.05				.81	.24							2.86
ckport, Lock No. 2				.24	T	.42	.04	.01					.24	.02	.03	.03	.11	T				.17	.15						.24		1.74
ISVILLE***				.01	.10	T	.39	.06	T.				.04	.71		.02	.16	.02				.45	.28		T				.26		2.51
Do. (Cherokee Park)				T	.16	.04	.34	.07					*	.90		.05	.16	T				*	.82						*		2.54
nsfordville					.20		.60	.20						.25	.05	*		*					1.10	.50							2.50
ohn					.22	.01	.42	.10	.04				.20		.89	.03	.09	.10				.80	.44						.13		3.17
lvisa, Lock No 6					.28		.55	.15	T.					.35	.15	.15	T.	.20					.90								2.73
ott				45	.90		.50	.10	.01				.13	.25	T	.02	.10	.02				.30	.85		T	T.			.12		3.23
olbyville					.21		.58	.11	.03				.07	.23		T	.16	T	.01			.68	.20						.22		2.52
ylorsville					.24	.03	.27	.12					.07	.20	.02	T	.14	.02				.68	.52	T					T		2.21
rone, Lock No. 5					.21		.53	.03					.25	.07		T	.06	.07				T	.85	.50					.07		2.63
illiamstown					.46		.42	.08					.06	.35	.01	.01	.06	.02				.46	.22						.12		2.27
oodbury, Lock No. 4					.19	.20	.40	.07	.03					.77				.04	T.				.82	.26							2.78
Eastern Division																																
shland					.52	.06	.02	.15	.07					.11	.36	.04	.02	.13	.01				.55	.30		.06					2.40
attyville					.30	.08		.20	.08	.01				.23	.10	.05	.01	.08	.03				.40	.25		.01					1.83
rea					.31	.02	.33	.14	.01				.02	.82		.08	.05	.02	T.			.53	.10	T					.09		2.02
llege Hill, Lock No. 11					.25		.20	.40	.03					.05	.25	.10		.05	.05				.50	.26							2.08
nthania					.20	.05	.46	.13						.21	.02	.04	.03	.02	.04				.62	.32							2.14
lmouth					.51		.24	.14	.05					.29		.04	.02	T.	T				.63	.25							2.17
rmers					.50		.35							.27	.30				T				.83								2.25
en Mingsburg					.45		.50		.05				.20	.25			.35	.05				.35									3.30
rd, Lock No. 10					.20	T.	.42	.03	T.				.25	.07	.06	T	.08	.02				.87	.26								2.45
rayson					.40			.23	.06					.16	.29	.03	.02	.08	.17				.63	.29							2.36
reenup, Dam 30					.45	.04	.10	.45	.12					.06	.88	.02	T.	.14				.81	.35								2.91
azard					.26	.14	.03	.09	.12					.01	.21	.10		.06	.16				.11	.19		T.					1.48
eidelberg, Lock No. 14					.23	.21		.16	.11					.21	.33	.05		.08	T				.45	.28							2.31
ndman			.05		.25	.07	.07	.20	.03				T	.20	T	.05	.15	.06	.03			.15		.23		T					1.4
nkins					.67			.21						.25		.18	.06	.42	.06				.15	.30							2.30
nisa					.18	.19		.17	.09					.10	.26	.10	.08		.15				.34								1.62
aysville					.61	.05	.04	.47						.13	.23	.04	.01	.08	T				.42	.33								2.42
llesboro					.45		.17	.15					.06	.25		.05						.11	.08								1.22
ount Sterling					.24	.03	.07	.13	T				.08	.36		.07	.09	.15				.62	.67						T		3.09
neonta Dam 35					1.20	.12	.23	.22	T					.86	.09	.08	T.	.09	.01				.58	.29		T.					3.87
ikeville					.22	.56		.28	.18					.12	.48			.52	T				.28	.18							2.80
restonsburg						.36		.14	.12					.04	.37	.07							.40	.15							1.65
uicksand				.41		.22	T.	.43	.16				.25		.27	.09			.16				.25	.20							2.70
avenna, Lock No. 12					.20	.05	.35	.20						.10	.18	.12	T	.14	T				.76	.15							2.16
ichmond					.52		.25		.03					.42		.04	.04	.18				.55	.22								2.25
rgent				02	.10	.05	.01	.06	.15				.01	.21	.05	.06	.05		.26		01	.15		.20							1.39
lley View, Lock No. 9					.07	.45	.36	.17					.25	.25	.04	.05	.04	.06					.18								1.84
anceburg, Dam No. 32					.70	.03	.03	.40	.14					.15	.38	.03		.02	.08				.40	.13							2.79
hitesburg					.17	.10		.05	T.					T		.21		.24				.11									0.88
illiamsburg					.35	.10		.21						.11	.22	.05		.15					.14	.20							1.59
illow, Lock No 13					.32		.20	.12						.25	.18			.12				.45	.17								1.79

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. ¶Lone Oak

Daily Temperatures for February, 1928.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	39	40	62	69	62	61	59	57	45	49	58	60	52	50	43	51	45	40	43	43	44	44	58	34	55	40	56	61	65	..	..	51.2
	Minimum	20	21	28	40	52	42	50	43	35	28	35	29	41	20	35	34	35	17	12	27	19	34	31	18	21	10	28	34	36	..	..	29.5
	Mean	36	46	61	64	58	68	65	50	40	50	57	62	51	50	41	46	43	30	43	40	41	48	47	30	30	30	52	60	60	..	..	48.1
Brandville	Maximum	25	20	36	44	48	47	50	40	35	29	37	37	45	27	31	36	36	18	17	29	24	36	21	16	21	17	27	29	38	..	..	31.4
	Minimum	57	47	61	70	69	58	58	58	41	50	57	58	55	49	42	45	42	39	42	40	42	41	54	32	30	30	39	58	59	..	..	49.2
	Mean	57	47	61	70	69	58	58	58	41	50	57	58	55	49	42	45	42	39	42	40	42	41	54	32	31	17	21	16	27	35	35	31.1
Calhoun	Maximum	27	26	31	45	23	42	52	41	35	31	38	32	42	38	35	34	33	17	15	28	22	35	31	17	21	18	27	35	35	..	..	31.1
	Minimum	34	36	60	69	65	64	61	59	42	48	53	59	56	50	50	46	43	39	41	39	41	46	53	30	29	37	52	55	54	..	..	49.0
	Mean	24	14	26	44	54	43	53	41	35	36	35	33	43	38	36	34	38	16	11	26	29	36	29	17	20	11	24	25	33	..	..	31.2
Earlington	Maximum	36	48	60	70	65	64	66	59	44	49	55	56	57	49	40	47	45	38	43	41	42	42	54	34	30	38	58	59	55	..	..	49.4
	Minimum	21	14	31	45	53	43	51	43	35	30	38	30	41	37	36	33	32	16	11	26	20	32	30	17	21	10	24	26	34	..	..	30.2
	Mean	28	31	46	58	59	54	59	51	40	40	47	43	49	43	38	40	39	27	27	34	31	37	42	26	26	24	41	43	45	..	..	40.0
Greenville	Maximum	34	47	61	70	65	64	66	59	44	49	55	56	57	49	40	47	45	38	43	41	42	42	54	34	30	38	58	59	55	..	..	50.7
	Minimum	24	14	31	45	53	43	51	43	35	30	38	30	41	37	36	33	32	16	11	26	20	32	30	17	21	10	24	26	34	..	..	30.2
	Mean	29	31	46	58	59	54	59	51	40	40	47	43	49	43	38	40	39	27	27	34	31	37	42	26	26	24	41	43	45	..	..	40.7
Hopkinsville	Maximum	38	47	61	70	65	66	64	62	45	49	59	61	57	51	43	48	48	38	44	45	41	42	55	36	32	35	54	60	59	..	..	50.7
	Minimum	22	16	28	37	52	44	49	41	34	29	31	32	43	36	32	33	32	15	13	23	22	34	29	17	20	16	21	24	35	..	..	29.7
	Mean	30	32	45	54	59	55	57	52	40	39	45	47	50	44	38	41	40	27	29	34	32	38	42	27	26	26	38	42	47	..	..	40.2
Marion	Maximum	46	45	60	66	61	58	61	53	54	45	54	60	59	49	40	47	48	32	40	38	40	43	53	28	27	28	48	57	50	..	..	47.9
	Minimum	20	18	34	47	53	42	53	41	33	31	36	33	43	37	32	37	32	17	14	29	20	34	27	14	20	14	27	30	32	..	..	31.0
	Mean	33	32	47	57	57	50	57	47	44	38	45	47	51	43	36	42	40	25	27	34	30	39	40	21	24	21	38	44	41	..	..	39.5
Mayfield	Maximum	50	48	61	68	64	67	67	64	57	52	62	63	60	51	41	49	49	42	39	44	44	44	50	31	33	40	52	60	59	..	..	52.1
	Minimum	20	18	34	47	53	42	53	41	33	31	36	33	43	37	32	37	32	17	14	29	20	34	27	14	20	14	27	30	32	..	..	31.0
	Mean	35	33	48	58	59	55	60	53	45	42	49	48	52	44	37	43	41	30	27	37	32	39	39	23	27	27	40	45	46	..	..	41.6
Murray	Maximum	37	44	57	66	62	55	58	59	44	48	51	56	47	48	38	43	43	30	44	40	42	44	58	34	30	38	58	59	56	..	..	52.1
	Minimum	20	18	34	47	53	42	53	41	33	31	36	33	43	37	32	37	32	17	14	29	20	34	27	14	20	14	27	30	32	..	..	31.0
	Mean	28	31	46	57	58	49	56	50	39	40	44	45	45	43	35	40	38	24	29	35	31	39	43	24	25	26	43	45	44	..	..	41.6
Owensboro	Maximum	39	40	58	62	52	45	55	54	38	36	50	56	53	43	45	45	44	35	34	38	33	40	41	30	32	32	41	52	60	56	..	46.7
	Minimum	23	14	27	38	45	38	48	37	31	26	34	26	38	25	25	31	30	14	13	25	20	33	27	13	16	12	25	25	27	..	..	28.1
	Mean	31	27	43	50	49	42	52	46	35	31	42	41	46	34	35	38	37	25	24	32	27	37	34	22	24	22	33	39	44	42	..	37.4
Paducah (near)	Maximum	37	44	57	66	62	55	58	59	44	48	51	56	47	48	38	43	43	30	44	40	42	44	58	34	30	38	58	59	56	..	..	52.1
	Minimum	23	14	27	38	45	38	48	37	31	26	34	26	38	25	25	31	30	14	13	25	20	33	27	13	16	12	25	25	27	..	..	28.1
	Mean	30	29	42	52	54	47	53	48	38	37	43	41	43	37	32	37	37	22	29	33	31	39	43	24	23	25	42	42	42	..	..	40.1
Princeton	Maximum	37	17	29	41	53	45	55	42	35	32	39	34	45	32	32	31	38	15	16	24	22	35	25	17	21	15	26	26	32	..	..	31.0
	Minimum	23	14	27	38	45	38	48	37	31	26	34	26	38	25	25	31	30	14	13	25	20	33	27	13	16	12	25	25	27	..	..	28.1
	Mean	30	44	59	69	57	58	66	56	44	50	60	63	60	51	41	49	49	32	40	40	40	42	53	31	30	37	51	57	53	..	..	48.4
	Maximum	35	44	59	69	57	58	66	56	44	50	60	63	60	51	41	49	49	32	40	40	40	42	53	31	30	37	51	57	53	..	..	48.4
	Minimum	23	14	27	38	45	38	48	37	31	26	34	26	38	25	25	31	30	14	13	25	20	33	27	13	16	12	25	25	27	..	..	28.1
	Mean	29	29	43	54	51	48	57	47	38	38	47	45	49	38	33	40	40	23	26	33	30	38	40	22	23	19	38	41	40	..	..	38.3
Russellville	Maximum	39	40	58	62	52	45	55	54	38	36	50	56	53	43	45	45	44	35	34	38	33	40	41	30	32	32	41	52	60	56	..	46.7
	Minimum	25	15	17	38	34	45	46	41	37	30	36	30	38	33	42	33	34	34	11	13	21	21	39	19	20	11	15	26	33	..	..	28 8
Central Division.																																	
Anchorage	Maximum	33	42	58	62	52	45	55	54	38	36	50	56	53	43	45	45	44	35	34	38	35	40	41	32	33	30	42	52	58	48	..	44.4
	Minimum	19	8	23	37	39	25	44	38	33	23	31	22	38	32	34	32	28	17	13	25	18	34	28	17	18	16	18	8	22	21	32	26.4
	Mean	26	25	41	50	46	35	50	46	36	30	41	39	46	38	40	39	36	26	24	32	27	37	35	25	26	23	30	30	40	35	32	35.4
Bardstown	Maximum	46	45	59	68	62	56	62	61	56	45	56	62	60	51	41	47	46	40	40	42	42	42	56	38	39	39	52	59	61	..	..	47.5
	Minimum	18	11	28	28	40	39	46	41	32	29	38	35	39	30	32	30	28	17	12	28	26	30	19	19	9	22	24	40	28	27	32	29.2
	Mean	32	28	44	48	51	48	54	51	44	37	47	49	50	41	37	39	37	29	26	35	34	36	38	29	24	31	38	50	45	39	32	38.4
Bowling Green	Maximum	39	44	63	70	62	67	61	56	45	46	59	61	57	50	42	47	48	39	42	42	44	42	61	35	39	39	52	59	61	..	..	50.8
	Minimum	26	27	27	38	52	44	45	43	35	36	38	28	53	38	34	33	32	17	12	27	20	29	36	20	21	11	26	27	36	..	..	31.6
	Mean	33	36	45	54	57	56	53	50	40	41	49	45	55	44	38	40	40	28	27	35	32	36	49	28	30	25	39	43	49	46	50	45.6
Dix Dam	Maximum	37	44	57	69	52	51	55	56	39	39	49	51	47	50	40	46	40	37	35	37	36	40	46	26	18	16	14	26	32	..	..	26.8
	Minimum	18	14	28	45	40	39	46	36	31	30	28	26	35	34	32	31	17	15	14	29	16	30	38	24	18	10	14	22	32	..	..	27.7
	Mean	28	29	43	57	46	45	51	46	35	35	39	39	41	42	36	39	29	26	25	33	26	35	42	25	18	13	14	24	32	..	..	27.3
Eubank	Maximum	38	41	54	66	60	56	54	59	45	44	54	56	46	46	38	46	46	39	44	44	42	42	56	38	39	39	54	60	62	58	..	47.7
	Minimum	24	13	24	37	46	44	41	41	35	29	31	24	35	28	26	32	28	15	10	28	14	34	36	20	29	24	20	38	50	52	..	29.7
	Mean	31	27	39	52	53	50	48	50	40	37	43	40	41	37	32	39	37	27	27	38	28	38	46	29	34	32	37	49	56	55	..	38.7
Frankfort	Maximum	38	41	55	66	64	58	56	57	44	37	47	50	50	41	42	42	42	37	36	36	38	43	55	36	39	38	50	52	53	..	..	46.0
	Minimum	25	12	28	38	42	38	42	42	34	32	31	28	32	40	35	34	32	18	17	29	19	32	30	20	21	11	26	25	28	..	..	28.9
	Mean	32	27	42	52	53	48	49	50	39	35	39	39	41	41	39	38	37	28	27	33	29	38	43	28	30	25	38	39	41	42	..	37.5
Franklin	Maximum	40	51	62	70	63	69	62	54	44	46	59	60	55	49	42	45	44	38	42	44	44	44	58	42	39	38	50	52	54	..	..	50.7
	Minimum	27	17	28	42	53	42	48	42	35	31	42	29	41	33	34	34	34	17	14	28	22	34	34	21	22	14	28	29	41	..	..	30.1
	Mean	34	34	45	56	58	56	55	48	40	39	51	45	48	41	38	40	39	28	28	36	33	39	46	32	31	26	39	41	48	..	..	40.4
Glasgow	Maximum	37	43	59	69	65	57	57	56	52	46	53	51	51	48	42	42	40	38	38	36	38	40	55	40	41	41	52	56	57	..	..	47.9
	Minimum	26	18	34	46	52	38	46	38	32	30	38	32	38	32	32	30	28	15	16	26	15	26	37	21	20	9	16	22	31	..	..	27.0
	Mean	32	31	47	58	59	48	52	47	42	38	46	42	45	40	37	36	34	27	27	31	27	33	46	31	31	25	34	39	44	..	..	37.5
Greensburg	Maximum	39	43	59	69	65	57	57	56	52	46	53	51	51	48	42	42	40	38	38	36	38	40	55	40	41	41	52	56	57	..	..	47.9
	Minimum	21	11	26	34	51	40	47	40	33	29	36	26	21	33	36	30	28	15	16	26	15	26	37	21	20	9	16	22	31	..	..	27.0
	Mean	30	27	43	52	58	49	52	48	43	38	45	39	36	41	39	36	34	27	27	31	27	33	46	31	31	25	34	39	44	..	..	37.5
Irvington	Maximum	35	45	58	66	59	50	55	55	49	42	52	55	48	45	45	46	39	34	39	38	35	42	45	35	36	35	50	55	60	55	..	45.9
	Minimum	27	14	34	46	41	38	47	38	35	31	36	30	28	37	35	34	34	17	14	28	26	32	30	17	21	14	27	30	34	..	..	30.8
	Mean	31	30	46	56	50	44	51	47	42	37	44	43	38	41	40	40	37	26	27	33	31	37	38	26	29	25	39	43	47	44	..	38.4
Lawrenceburg	Maximum	40	51	62	70	63	69	62	54	44	46	59	60	55	49	42	45	44	38	42	44	44	44	58	42	39	38	50	52	54	..	..	50.7
	Minimum	27	17	28	42	53	42	48	42	35	31	42	29	41	33	34	34	34	17	14	28	22	34	34	21	22	14	28	29	41	..	..	30.1
	Mean	34	34	45	56	58	56	55	48	40	39	51	45	48	41	38	40	39	28	28	36	33	39	46	32	31	26	39	41	48	..	..	40.4
Lawrenceville	Maximum	38	46	55	62	57	45	55	55	42	38	47	51	51	44	43	48	42	38	38	36	38	40	54	36	32	32	48	54	56	..	..	47.0
	Minimum	26	13	28	38	38	34	41	39	33	27	31	25	33	28	24	32	30	17	15	26	18	30	33	14	15	13	25	26	32	..	..	27.0
	Mean	32	30	42	50	48	40	48	47	38	33	39	38	42	36	34	40	36	28	27	31	28	35	44	25	24	23	37	40	44	..	..	37.0
Mt. Vernon (Cumberland Park)	Maximum	39	43	55	62	57	45	55	55	42	38	47	51	51	44	43	48	42	38	38	36	38	40	54	36	32	32	48	54	56	..	..	47.0
	Minimum	26	13	28	38	38	34	41	39	33	27	31	25	33	28	24	32	30	17	15	26	18	30	33	14	15	13	25	26	32	..	..	27.0
	Mean	32	28	42	50	48	40	48	47	38	33	39	38	42	36	34	40	36	28	27	31	28	35	44	25	24	23	37	40	44	..	..	37.0
St. Louis	Maximum	21	10	25	34	41	38	42	33	31	32	33	25	32	42	52	32	28	15	19	28	28	29	38	15	20	8	26	21	30	..	..	40.8
	Minimum	34	39	55	64	52	49	54	52	37	32	45	50	48	47	37	38	36	26	22	17	31	25	16	15	13	25	32	31	28	..	..	28.2
	Mean	28	25	40	49	47	44	48	43	34	32	39	38	40	45	45	35	32	21	21	23	30	27	27	15	17	17	29	26	29	..	..	34.5
Scott	Maximum	32	42	57	68	58	46	56	52	39	39	47	51	45	45	45	48	36	29	36	35	36	42	54	29	28	33	50	52	48	..	..	46.7
	Minimum	25	11	24	43	37	31	51	39	33	27	31	21	35	35	33	31	29	17	16	24	20	33	33	15	15	14	27	31	32	..	..	29.1
	Mean	28	26	40	55	47	38	53	45	36	33	39	36	40	40	39	39	32	23	26	29	28	37	43	22	21	23	38	41	40	..	..	37.9
Shelbyville	Maximum	38	46	55	62	57	45	55	55	42	38	47	51	51	44	43	48	42	38	38	36	38	40	54	36	32	32	48	54	56	..	..	47.0
	Minimum	26	13	28	38	38	34	41	39	33	27	31	25	33	28	24	32	30	17	15	26	18	30	33	14	15	13	25	26	32	..	..	27.0
	Mean	32	30	42	50	48	40	48	47	38	33	39	38	42	36	34	40	36	28	27	31	28	35	44	25	24	23	37	40	44	..	..	37.0
Taylorsville	Maximum	39	43	55	62	57	45	55	55	42	38	47	51	51	44	43	48	42	38	38	36	38	40	54	36	32	32	48	54	56	..	..	47.0
	Minimum	26	13	28	38	38	34	41	39	33	27	31	25	33	28	24	32	30	17	15	26	18	30	33	14	15	13	25	26	32	..	..	27.0
	Mean	32	28	42	50	48	40	48	47	38	33	39	38	42	36	34	40	36	28	27	31	28	35	44	25	24	23	37	40	44	..	..	37.0
Williamstown	Maximum	37	40	54	65	57	49	55	55	43	37	48	50	48	45	44	46	42	38	38	36	38	40	54	34	29	33	50	58	58	50	..	47.3
	Minimum	28	11	32	42	37	37	41	39	31	29	30	24	30	28	28	32	31	29	16	10	22	12	26	26	14	15	5	22	28	22	..	26.1
Eastern Division.																																	
Ashland	Maximum	32	41	60	69	68	52	54	62	56	35	45	49	51	58	45	42	29	35	56	36	37	47	61	60	45	33	51	53	57	..	..	48.1
	Minimum	33	15	24	37	42	34	43	38	34	32	33	23	29	36	36	35	34	21	17	32	15	24	37	25	19	13	29	33	38	..	..	29.3
	Mean	40	42	69	68	59	52	55	56	41	45	50	51	42	47	47	39	39	36	37	34	26	40	42	54	32	23	40	43	48	..	..	38.7
Boyd	Maximum	28	10	28	47	39	38	40	38	29	26	36	37	37	41	35	36	35	18	16	29	14	32	37	24	26	18	14	26	31	..	..	27.0
	Minimum	36	15	25	37	43	34	43	38	34	32	33	23	29	36	36	35	34	21	17	32	15	24	37	25	19	13	29	33	38	..	..	29.3
	Mean	32	12	26	42	41	36	42	38	32	29	34	30	33	38	36	36	34	20	17	31	14	28	37	24	23	16	22	30	34	..	..	28.2
Bracken	Maximum	36	43	58	68	64	54	58	61	46	36	50	52	47	42	39	37	34	30	38	38	34	37	49	29	27	31	46	48	48	..	..	43.8
	Minimum	28	10	26	45	38	30	45	41	33	30	33	22	30	37	36	34	30	19	16	27	12	22	33	20	16	7	20	19	32	..	..	25.1
	Mean	32	26	42	56	51	42	51	51	39	33	41	37	38	39	37	35	32	24	27	32	23	29	41	24	21	19	33	33	40	..	..	34.4
Flemingsburg	Maximum	37	44	56	64	63	61	60	59	57	55	55	55	55	52	50	50	49	49	47	47	47	49	57	38	33	38	48	54	59	..	..	50.8
	Minimum	28	14	26	45	38	30	45	41	33	30	33	22	30	37	36	34	30	19	16	27	12	22	33	20	16	7	20	19	32	..	..	25.1
	Mean	32	29	41	54	51	46	53	50	45	42	44	39	43	45	43	42	40	34	32	37	30	36	45	29	25	23	34	37	46	..	..	38.0
Maysville	Maximum	39	46	58	66	64	60	60	60	58	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	..	..	56.0
	Minimum	28	14	26	45	38	30	45	41	33	30	33	22	30	37	36	34	30	19	16	27	12	22	33	20	16	7	20	19	32	..	..	25.1
	Mean	34	30	42	56	51	45	53	51	46	43	45	39	43	47	46	45	43	38	36	42	34	39	45	38	36	32	38	38	44	..	..	40.6
Middletown	Maximum	47	48	56	64	64	64	60	56	59	57	55	55	55	55	52	50	50	49	49	47	47	49	57	38	33	38	48	54	59	..	..	50.8
	Minimum	28	14	26	45	38	30	45	41	33	30	33	22	30	37	36	34	30	19	16	27	12	22	33	20	16	7	20	19	32	..	..	25.1
	Mean	38	31	41	54	51	47	53	49	46	44	44	39	43	46	44	42	40	34	33	37	30	36	45	29	25	23	34	37	46	..	..	37.9
Mount Sterling	Maximum	34	46	57	67	64	57	59	58	56	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	..	..	54.0
	Minimum	28

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

Vol. XXXIII LOUISVILLE, KY., MARCH, 1928 No. 3

GENERAL SUMMARY.

Although the temperature for the month averaged near normal, the periodic sharp variations characteristic of previous winter months continued. Freezing and thawing during the first two weeks caused further injury to winter grains. With this exception, temperatures were more favorable than otherwise, for the frequent and sharp cold spells served to prevent premature growth and to retard the flowering of fruit trees. A few days in the last decade, with temperatures much above normal started grasses and grains to growing and caused buds to expand. Peaches and plums began to blossom near the end. The beginning of growth indicated that the damage to winter wheat was even more extensive and serious than had been anticipated. Large and numerous bare patches in the fields, plants weak and thin on the ground, with irregularity or failure in stooling, revealed the poor condition of the crop and the probability that an unusually large proportion of it would be plowed up. Insufficient time to root deeply, due to late sowing last fall, was partly responsible for the damage to wheat. Because of the tendency to abandon wheat, less grass seed than usual was sown. Rye, alfalfa, clover, and bluegrass also exhibited marked winter injury. The light precipitation permitted the soil to drain thoroughly and reach working condition early in the month. As a result of the deep freezes and absence of heavy rains, the soil worked exceptionally well. The number of days favorable for outdoor work was somewhat larger than usual in March. Plowing, potato planting, oats sowing, and early gardening proceeded more rapidly than normal and were generally ahead of the season at the end of the month. By that time much land in the western counties had been prepared for corn and cotton, with prospects good for early planting. Tobacco beds were sown in good time, and plants were coming up in the last week.

TEMPERATURE.

The temperature for the State, 44 stations reporting, averaged 46.6°, which is 0.8° below normal. Minima at most stations occurred in the cold period with which the month began, but temperatures almost as low were registered in the 3d week. Maxima of 75° to 85° were recorded at most stations in the periods 11-13th and 22d-25th. The highest for the State was 86° at Beaver Dam and Marion, on the 20th and 21st respectively; while the lowest was 12° on the 1st at Shelbyville.

PRECIPITATION.

Precipitation for the State, based on reports from 85 stations, averaged 2.64 inches, which is 2.20 inches below normal. It was heaviest and not far from the normal in the mountains and southeastern counties, where it ranged between 3.0 and 5.0 inches at most stations. The amount decreased irregularly toward the Ohio and Mississippi Rivers, ranging in central and northwestern counties from 1.5 to 3.0 inches. Moderate to heavy precipitation occurred rather generally in the period 14th-16th in the western counties, and from the 14th to 18th in the central and western counties. Much of this was snow, which varied in amount between flurries in the western counties and 3.0 to 7.0 inches in the central and eastern. Light to moderate precipitation occurred fairly generally on the 1st, 9th,

UNIVERSITY OF ILLINOIS

26-27th, and 30th. Thunderstorms were reported on the 8th, 9th, 13th, 26th, 29th and 30th. Hail occurred at several stations on the 26th. It caused considerable damage at Williamsburg.

PRESSURE AND WIND.

Stations	Atmospheric Pressure (In inches reduced to sea-level.) Average.	Highest	Date.	Lowest.	Date.	Wind: Total movement	Av. hourly velocity	Max Velocity* Miles per hour	Direction	Date
Cairo ..... Ill.	30.02	30.44	5	29.43	26	7028	9.4	36	nw	26
Cincinnati ..... Ohio	30.00	30.52	6	29.53	26	6406	8.6	33	w	26
Evansville ..... Ind.	30.03	30.48	6	29.57	26	6664	9.0	37	nw	26
Lexington ..... Ky.	30.01	30.50	6	29.56	26	9649	12.8	42	nw	26
Louisville ..... Ky.	30.02	30.50	6	29.52	26	7848	10.5	45	nw	26

*For any five minute period. †Record discontinued after beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity: 7 a. m	Noon	7 p. m	Sunshine: Total hours of Sunshine	No. of hours possible	Percentage of possible	Number of days with: 80 per cent or more	20 per cent or less
Cairo ..... Ill.	79	60	58	271.3	371.4	64	14	4
Cincinnati ..... Ohio.	76	59	66	217.3	371.1	58	5	7
Evansville ..... Ind.	74	56	62	184.8	371.2	50	7	10
Lexington ..... Ky.	75	65		241.8	371.2	65	7	34
Louisville ..... Ky.	78	56	59	201.8	371.2	54	10	8

COMPARATIVE DATA FOR MARCH.

Year	Temperature: Monthly average	Departure from 25 year normal	Highest	Lowest	Precipitation: Monthly average	Departure from 25 year normal.	No. of days with .01in or more rain.	Average Number of Days: Clear	Partly Cloudy.	Cloudy.	Average snowfall
1889	51.0	— 4.4	84	14	1.32	−3.32					
1890	51.2	— 4.2	84	14	4.41	−0.23					
1891	49.6	— 5.8	84	14	2.17	−2.47					
1892	46.6	— 8.8	79	12	1.69	−2.95					
1893	55.0	— 1.4	86	30	2.72	−1.92					
1894	56.4	— 0.0	86	30	3.71	−0.93					
1895	57.1	+ 0.7	86	30	4.72	+0.08					
1896	54.1	— 2.3	84	30	1.96	−2.68					
1897	54.1	— 2.3	84	29	3.64	−1.00	13	8	10		
1898	56.7	+ 0.3	84	30	4.77	+0.13	14	9	9	13	
1899	53.1	— 3.3	84	30	3.77	−0.87	13	9	9	13	
1900	52.2	— 4.2	84	29	2.76	−1.88	11	9	11	11	2.4
1901	56.2	— 0.2	86	30	2.20	−2.44	9	11	9	11	3.4
1902	57.2	+ 0.8	86	30	3.20	−1.94	12	9	10	12	1.5
1903	52.5	— 3.9	84	7	4.41	−0.40	16	5	12	14	6.5
1904	52.6	— 3.8	84	19	4.43	+0.11	12	9	13	9	1.1
1905	57.1	+ 0.7	86	30	6.26	+1.64	15	7	15	9	0.5
1906	52.1	— 4.3	84	22	4.45	−0.39	12	9	15	7	1.1
1907	54.1	— 2.3	84	8	6.87	+2.03	16	6	20	5	2.0
1908	51.8	— 5.4	84	12	2.28	−2.56	11	13	12	6	2.4
1909	55.0	+ 1.6	84	30	5.14	+0.30	14	6	14	11	0.5
1910	55.0	+ 8.6	84	32	2.78	−2.06	11	13	13	5	1.1
1911	50.0	— 6.4	84	12	4.77	+0.13	14	7	12	12	1.1
1912	51.3	— 5.1	84	16	6.22	+1.58	17	4	13	14	2.5
1913	46.5	— 9.9	76	12	2.11	−2.53	11	8	12	11	6.4
1914	51.4	— 5.0	84	12	4.92	+0.28	12	10	11	10	1.1
1915	54.1	— 2.3	84	30	2.11	−2.53	11	12	12	7	0.5
1916	51.6	— 4.8	84	14	4.36	−0.28	14	7	14	10	1.1
1917	47.5	— 8.9	84	12	3.36	−1.28	13	7	11	13	3.1
1918	50.3	— 6.1	84	14	4.76	+0.12	14	7	12	12	1.1
1919	47.6	— 8.8	84	14	3.64	−1.00	13	8	9	14	2.5
1920	50.2	— 6.2	84	14	4.64	+0.00	14	7	11	13	1.1
1921	54.1	— 2.3	84	30	5.55	+0.91	17	5	9	17	1.1
1922	52.4	— 4.0	84	30	3.11	−1.53	13	7	10	14	5.5
1923	53.4	— 3.0	84	30	3.11	−1.53	13	7	10	14	1.5
1924	54.1	— 2.3	84	30	3.11	−1.53	13	7	10	14	1.5
1925	54.1	— 2.3	84	30	3.11	−1.53	13	7	10	14	1.5
1926	52.4	— 4.0	84	30	3.11	−1.53	13	7	10	14	1.5
1927	52.4	— 4.0	84	30	3.11	−1.53	13	7	10	14	1.5
1928	46.6	— 0.8	86	12	2.64	−2.20	14	7	10	14	1.5

Climatological Data for March, 1928.

Station.	County.	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean.	Departure from the normal	Highest.	Date.	Lowest	Date.	Greatest daily range.	Precipitation in inches. Total	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	24	46.2	− 1.5	85	23	20	9	45	1.95	2.29	0.75	.....	8	13	7	11	n.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	46	47.2	− 0.1	80	23	23	5	36	2.19	−2.15	0.88	0	6	9	7	15	s.	E. W. Horr.
Calhoun	McLean	437	24	47.8	− 1.4	83	23	23	5	40	2.61	−2.11	1.05	T.	8	7	15	9	nw.	W. A. Taylor.
Carlington	Hopkins	420	38	46.6	− 0.7	82	23	24	5	41	3.19	−1.69	1.22	0	9	14	2	15	nw.	Brick Southworth.
Greenville	Muhlenburg	519	11	46.2	− 2.0	80§	23	23	5	45	1.50	−3.45	0.62	.....	7	12b	12b	5b	e.	C. R. Lovell.
Hopkinsville	Christian	524	32	47.0	− 2.8	82	23	21	19	46	1.21	−3.82	0.42	.....	8	12	7	12	s.	W. K. Graves.
Marion	Crittenden	571	30	47.4	− 1.1	85	23	21	5	39	1.93	2.67	0.71	T.	5	9	9	13	nw.	B. C. Paris.
Mayfield	Graves	364	19	48.5	− 2.4	81	23	21	1†	40	1.28	−3.73	0.57	.....	5	14	11	6	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	2	47.8	.....	83	25	22	18	44	2.57	.....	1.17	0	5	10	10	11	nw.	Harry B. Arnold
Owensboro	Daviess	479	31	45.0	− 2.1	80	23	21	5	41	1.75	2.79	1.05	1.0	5	10	10	11	nw.	Henry S. Berry
Owensboro, Dam 46	Daviess	479	.....	.....	.....	.....	.....	.....	.....	.....	1.92	.....	1.30	.....	6	.....	.....	.....	.....	George McClemary.
Paducah (near) §	McCracken	516	11	48.0	− 1.2	80	23	23	5	38	2.24	−3.08	1.07	.....	7	11	8	12	nw	J. W. Lilley
Paducah	McCracken	841	39	.....	.....	.....	.....	.....	.....	.....	2.61	−1.76	1.52	.....	6	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	21	46.4	− 2.1	81	23†	28	19	43	2.22	−2.93	0.70	T.	6	9	8	14	n.	Dr. W. L. Cash.
Runnesy, Lock 2 ‡	McLean	384	11	.....	.....	.....	.....	.....	.....	.....	2.21	−2.41	1.40	0	6	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	17	45.6	− 3.2	81c	29	23c	6	47c	1.99	−3.41	0.60	.....	9	14d	2d	11d	s.	Wm. Shelton.
Uniontown, Dam 40	Union	314	.....	.....	.....	.....	.....	.....	.....	.....	1.80	.....	1.01	1.0	10	.....	.....	.....	.....	E. H. Morris.
Central Division.																				
Addison, Dam 48	Breckinridge	352	.....	.....	.....	.....	.....	.....	.....	.....	2.79	.....	1.26	.....	8	.....	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	700	27	42.2	− 2.9	80	23	16	1	47	2.17	−2.07	0.66	4.0	8	17	4	10	so.	C. E. Barret.
Baristown	Nelson	637	31	45.6	− 1.3	88	23	19	5†	46	1.82	−2.95	0.85	1.5	5	18	5	8	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	39	47.8	− 0.7	83	23	24	6	44	3.29	−2.03	1.10	T.	11	16	8	7	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	3	.....	.....	.....	.....	.....	.....	.....	2.03	.....	0.71	0	7	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6	Edmonson	410	11	.....	.....	.....	.....	.....	.....	.....	2.33	−3.99	0.64	1.0	9	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	37	.....	.....	.....	.....	.....	.....	.....	6.36	+0.20	1.15	5.0	10	.....	.....	.....	.....	F. E. Bradshaw.
Carrollton, Lock 1	Carroll	422	29	.....	.....	.....	.....	.....	.....	.....	1.99	−1.74	0.44	.....	7	.....	.....	.....	.....	Shelby Angel.
Cloverport	Breckinridge	422	14	.....	.....	.....	.....	.....	.....	.....	2.26	−2.07	1.01	0.4	8	.....	.....	.....	.....	W. A. Cockerill.
Old Spring, Dam 38	Campbell	489	2	.....	.....	.....	.....	.....	.....	.....	1.95	.....	0.97	0.0	10	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	777	4	.....	.....	.....	.....	.....	.....	.....	2.67	.....	0.62	.....	9	15	3	18	.....	G. D. Glass.
Eubank	Pulaski	660	34	46.5	+ 0.4	78	25	23	6†	41	2.81	−2.17	0.85	0.0	8	11	7	13	s.	Mrs. Katie Payne.
Frankfort	Franklin	691	86	45.3	− 1.3	78	23†	20	5	43	2.95	−1.66	0.75	2.7	8	13	4	14	w.	Sidney Wood.
Franklin	Simpson	691	33	48.7	− 0.9	77	13†	25	6	41	3.33	−1.75	0.80	0.0	8	15	12	4	s.	M. E. Johnson.
Gest, Lock 3	Henry	449	17	.....	.....	.....	.....	.....	.....	.....	2.66	1.72	0.67	.....	9	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	7	43.8	.....	72	13	19	19	45	1.26	.....	0.48	2.0	5	21	5	5	s	Dr. Fidelia Edwards.
Grant, Dam 38	Boone	806	3	.....	.....	.....	.....	.....	.....	.....	1.48	.....	0.56	.....	6	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	581	35	45.0	− 1.6	81	23†	19	6	54	2.80	−2.87	0.83	2.0	13	7	4	20	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	26	.....	.....	.....	.....	.....	.....	.....	2.88	−1.56	0.56	4.0	8	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckinridge	648	30	45.5	− 1.7	79	23	22	5	39	2.94	−1.78	0.82	2.0	6	11	6	14	sw.	W. J. Bigolt.
Junction City	Boyle	985	34	46.2	+ 0.1	83	23	20	5	51	3.46	−1.71	0.87	4.0	12	14	10	7	sw.	William E. Grubbs.
Lancaster	Garrard	1032	2	.....	.....	.....	.....	.....	.....	.....	2.34	.....	0.60	.....	9	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	685	32	44.8	− 1.7	79	23	18	1	39	1.68	−3.00	0.57	1.0	10	9	15	7	nw.	H. H. Willis.
Lexington	Fayette	989	44	42.1	− 1.6	77	23	18	5	41	2.67	−2.05	1.05	4.5	12	10	7	14	sw.	U. S. Weather Bureau.
Littlefleksburg, Lock 8§	Jessamine	523	17	.....	.....	.....	.....	.....	.....	.....	2.99	−0.99	0.74	.....	9	.....	.....	.....	.....	Horace Cutter.
Lockport, Lock 2	Henry	476	18	.....	.....	.....	.....	.....	.....	.....	1.75	2.72	0.53	5.4	8	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	55	44.0	− 1.4	79	23	21	5	38	2.66	−1.73	1.18	1.6	8	6	13	12	s.	U. S. Weather Bureau.
Du (Cherokee Park)	Du	534	18	45.0	− 1.0	80	23	20	5	42	2.13	−2.28	0.85	1.2	7	10	8	13	nw	Wm. I. Hunt.
Manfordsville	Hart	690	3	.....	.....	.....	.....	.....	.....	.....	1.75	.....	0.50	T.	9	.....	.....	.....	.....	C. R. Richardson.
St. John	Hardin	777	32	45.8	+ 0.3	77	29	18	5	41	1.72	−3.27	0.36	1.5	8	20	3	8	.....	Sisters of Loretto
Salvisa, Lock 6§	Mercer	490	14	.....	.....	.....	.....	.....	.....	.....	2.50	−0.65	0.60	.....	6	.....	.....	.....	.....	Ernest M. Searcy.
Scott §	Kenton	960	30	41.8	− 1.9	75	23b	16	5	39	0.90	−3.39	0.25	1.5	7	5	14	12	w.	E. B. Wilson
Shelbyville	Shelby	825	39	42.4	− 2.5	79	23	12	1†	48	2.47	−1.42	1.08	4.0	12	11	1	19	sw.	Miss Ruth Ratta.
Taylorsville	Spencer	489	26	43.7	− 2.0	78	23	20	5	46	3.13	−1.10	0.80	3.0	9	12	9	10	nw.	E. D. Bourne.
Tyrone, Lock 5§	Anderson	526	10	.....	.....	.....	.....	.....	.....	.....	1.84	−1.69	0.70	.....	6	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	948	25	42.1	− 2.5	76	23	15	5	40	2.57	−1.81	0.86	6.0	9	11	10	10	nw.	Mrs. E. S. Hunnlong
Woodbury, Lock 4 ‡	Butler	534	11	.....	.....	.....	.....	.....	.....	.....	2.26	−2.18	0.99	T.	11	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	11	45.4	− 2.2	81	26	18	6	47	3.08	−0.91	0.58	6.0	9	14	0	17	nw.	Curtis Purvis.
Beattyville	Lee	650	24	43.8	− 2.1	80	26†	17	6	47	3.18	−1.90	0.88	3.0	12	5	12	14	n.	Robert S. Smallwood.
Berea	Madison	1050	26	45.6	− 1.5	80	29	20	5	44	2.89	−1.77	0.79	4.0	12	5	13	13	sw.	Samuel M. Mayfield
College Hill, Lock 11	Madison	601	18	.....	.....	.....	.....	.....	.....	.....	3.13	−1.63	0.85	4.2	12	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	10	.....	.....	.....	.....	.....	.....	.....	2.61	−1.70	0.92	.....	9	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	39	.....	.....	.....	.....	.....	.....	.....	2.79	−1.34	0.46	.....	9	.....	.....	.....	.....	J. V. Oldham
Farmers	Rowan	668	20	43.6	− 1.7	81	26†	13	6	53	3.17	−1.26	0.80	3.0	6	16	3	12	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	3	.....	.....	.....	.....	.....	.....	.....	3.27	.....	1.27	.....	8	.....	.....	.....	.....	C. A. Glascock
Hazel Green	Wolfe	1000	12	.....	.....	.....	.....	.....	.....	.....	2.52	−1.60	0.60	3.6	9	.....	.....	.....	.....	John A. Writers.
Hazel Patch	Clark	869	3	.....	.....	.....	.....	.....	.....	.....	2.58	.....	0.60	.....	8	.....	.....	.....	.....	Frank Powers
Jackson	Breathitt	1000	8	.....	.....	.....	.....	.....	.....	.....	2.86	.....	0.70	.....	9	.....	.....	.....	.....	T. Mitchell
Lancaster	Garrard	1032	2	.....	.....	.....	.....	.....	.....	.....	2.34	.....	0.60	.....	9	.....	.....	.....	.....	Chas. O. Burg
Lawrenceburg, Dam 30	Anderson	589	3	.....	.....	.....	.....	.....	.....	.....	3.51	.....	0.74	0.6	13	.....	.....	.....	.....	S. C. Cole
Maysville	Mason	524	31	42.6	− 2.0	74	24†	16	6	43	2.99	1.58	0.64	3.5	9	12	3	16	sw.	Matthew Woodson
Middlesboro	Bell	1124	32	50.6	+ 1.5	81	29	17	19	46	5.40	−0.18	1.60	7.0	10	15	14	2	.....	W. R. McKee
Mount Sterling	Montgomery	930	38	42.4	− 1.3	80	29	17	5	47	2.66	−3.21	0.65	5.0	9	10b	8b	13b	w.	Andrew M. Staniforth.
Owingsville	Bath	897	6	.....	.....	.....	.....	.....	.....	.....	2.32	.....	0.64	.....	8	.....	.....	.....	.....	Robert Repose
Pikeville	Pike	640	3	.....	.....	.....	.....	.....	.....	.....	3.24	1.05	0.68	8.0	8	.....	.....	.....	.....	E. C. Bell
Prestonsburg	Floyd	736	3	.....	.....	.....	.....	.....	.....	.....	3.66	.....	1.05	1.0	7	.....	.....	.....	.....	R. W. Jones
Quicksand	Breathitt	732	3	46.2	.....	82	29	18	6	49	4.80	.....	1.15	6.0	10	.....	.....	.....	.....	Walter P. Bush
Ravenna, Lock 12	Estill	621	10	.....	.....	.....	.....	.....	.....	.....	2.38	1.26	0.94	.....	8	.....	.....	.....	.....	T. W. Crooke
Richmond	Madison	906	37	42.0	3.4	78	26	26	5†	47	2.82	−1.55	0.58	.....	12	16	6	9	.....	R. P. Crawford
Salyersville	Magoffin	1235	5	46.6	.....	82	29	19	6	48	5.88	.....	1.87	10.5	10	13	10	8	sw.	Thos. Sullivan
Sargent	Letcher	1000	5	.....	.....	.....	.....	.....	.....	.....	3.45	−1.97	0.60	3.0	9	.....	.....	.....	.....	H. M. Fannin
Silver Grove, Lock 9	Madison	541	15	.....	.....	.....	.....	.....	.....	.....	4.26	1.04	1.21	.....	10	.....	.....	.....	.....	G. H. Zimmerman
Spadding, Dam 32	Lewis	525	13	.....	.....	.....	.....	.....	.....	.....	5.48	.....	0.87	9.5	16	.....	.....	.....	.....	Lawrence R. Ehl.
Williamsburg	Whitley	1142	3	.....	.....	.....	.....	.....	.....	.....	1.46	0.31	0.60	3.5	10	20	8	3	.....	W. C. Combs
Williamsburg	Whitley	970	21	47.6	+ 0.5	85	29	18	10	55	3.22	.....	0.75	4.0	7	.....	.....	.....	.....	
Wilson, Lock 13	Lee	611	9	.....	.....	.....	.....	.....	.....	.....	2.64	0.26	1.60	2.7	8	12	8	11	s.	
State Averages and Extremes				45.6	0.8	85	29†	19	1†	54										

All temperature data are taken from self-recording thermometers.
The departures from normal temperatures and precipitations are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. ** Received too late to be included in means and summaries. T. Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak
¶ Post office addresses. Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

March 9.—A windstorm destroyed a house and injured its four occupants near W
March 14.—Near Hawesville a young man, sitting before an open fireplace, was Point. Wind and electrical storms caused minor damage in Bourbon and Jessamine
March 15.—Ohio normal temperature of the month was reached. Hail of moderate quantities.
March 16.—Ohio normal temperature of the month was reached. Rivers.—Moderate stages prevailed during the month.
March 17.—Near Lexington a tornado destroyed

Daily Precipitation for March, 1928.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G							.36	.20			.20		.10	.75	.05										.25						1.56
Blandville	M			.04				.66			.06	T		.88	.49									T		.06		T	.06		1.49
Calhoun	G				T.			.15	.22			.21		.67	1.05	T								T	T	.28	.02		.01		2.69
Earlington	G							.44	.08			.02	.17		.58	.22									.14	.37			.17		1.50
Greenville	G							.10	.20				.15		.20	.02								T	T	.20			.05		1.52
Hopkinsville	C	.04						.03	.22			.03			.21	.42								.03		.06					1.21
Marion	O							.28	.17			T	.17		.60	.71				T				T		T					1.93
Mayfield	M							.34							.57	.30								T		.07					1.01
Murray	T	.23			T.			.44	.37					T	1.17									T		.16		T			2.76
Owensboro	O							T	.10			.02	.18		.40	1.05				T				T		T			1		2.87
Owensboro, Dam 46	O								.26				.07	.20		1.30	.10												T		1.76
Paducah (near)	O	.05						.42	.16			.10			1.07	.20										.30						2.00
Paducah	O	.23							.50			.09			.07	1.62	T										.20					2.44
Princeton	G				T.			.02			T		.14		.70	.42				T				T		.33		.01			2.61
Runnacy, Lock No. 2	G	.08							.43					.12	T	1.40	.05										.13					2.42
Russellville	G	.12							.40					.12	.02	.60		.16								.22	.02			.36		1.99
Uniontown Dam 49	O	.19		T.	T.	.01			.17			.10	.14	T		1.01	.07									.05	T	.04			.62		1.99
Central Division																																
Addison, Dam 45	O	.18				T			.26			.02	T	.32		1.26	.26									T	T	.47			.08		2.79
Anchorage	O	T							.13				.54		.66	.05	.03							T	.02	.44			.20	T		2.17
Bardstown	S	.20											.40			.85		.25									.12					1.82
Bowling Green	G							.05	.50				.25		.70	.10	T.	.15		.07				.20	.12	1.10			.05		3.59
Bowling Green, No. 2	G					T			.51					.15	T	.84	T.	T.								.78	.06	.71		.08		3.63
Brownsville, Lock No. 6	G	.09							.44					.36		.60	.02	.01								.33		.64		.03		3.32
Burnside	C	.34						1.15						.48		1.14	.09	.52								.35	.05	.15		1.10		5.50
Carrollton	K	.19							.16					.44		.36	.06											.24		.14		1.65
Cloverport	O	.09							.22			T		.32		1.01	.12									T		.27	.06	.15	T	2.22
Cold Spring, Dam 38	O	.28		T.		.02			.12	T.		.01		.97		.10	.07	.06	T	T							T	.13		.24	T	1.80
Dix Dam, Burgin	K								.14				.31			.61	.18	.80								.06	.02	.43			.62		2.27
Kokank	C					.07			.60					.33	.37		.01	.33									.25		.85			2.81
Frankfort	K	.28				T.			.20	T				.48		.75	.45	.21	T.	T.					T	T	.16			.48	T	2.95
Franklin	G								.60						.60	.80	.20							.23		.50	.25					3.33
Gest, Lock No. 3	K	.20				T.			.18					.57		.67	.15	.12	T	T						.03	T	.30		.44		2.66
Glasgow	G	.19											.13				.20									.48		.26				1.26
Grant, Dam 38	O	.32										.02		.56		.11	.03									T			.44			1.48
Greensburg	G	.21			.01			.01	.44				.20			.83	.15	.14									.02	.13	.21	.14		.31		2.80
High Bridge, Lock No. 7	K	.29							.16					.55		.56	.14	.40											.64			.30		2.88
Irvington	O					T		T.	.19			T.	.52		.82	.70	T		T					T	T	.45			T		.26		2.94
Junction City	K	.22			.05				.15				.20	.20		.85		.28								.02		.57	.01	.87	.03	3.16
Lancaster	K	.10							.66					.35		.50	.15	.49							.05			.32		.32		2.31
Leitchfield	G	.15			T			.07	.20				.22		.15	.57	.06								.05		.15			.06		1.66
Lexington ***	K				T			.06	.12				.45		.11	.18	.48	.02	T.	T				.01	.06	.12	T		.91	.15	T	2.69
Little Hickman, Lock No. 8	K	.37				.08			.12					.33		.54	.15	.21								T		.42	T	.74		2.99
Lockport, Lock No. 2	K							.14			.02		.14		.53	.19	.16		T					T		.26		.31	T	T		1.74
Louisville ***	O	T.			T.			.19	.02		T		.68		.75	.44	T			T				T	.01	.28		.29	T	T		2.66
Do. (Cherokee Park)	O	.12							.24				.39		*	.85	T								T	.40						1.84
Manfordville	G	.30							.30					.20		.50	.10	.15								.10		.05		.05		1.70
St. John	S	.13							.25				.16	T	T.	.02	.36	.09									.26			.22		1.72
Salvisa, Lock No 6	K	T							.40					.60		.60		.35								T		.20		.25		2.40
Scott	L	.11		T.	T				.15			T.	T			.25	T	.02	T							T	.15		.11	.20		0.99
Shelbyville	S	.19			T				.24	T	.02		.60		24	1.08	T	.23		.01						T.	.58	.01		.16	.01	3.47
Taylorsville	S	.32			T.				.17				.58		.20	.80	.05	.10						T	T	.10			.51		3.37
Tyrone, Lock No. 5	K								.30				.84		.70	.10	.24									.16			T		1.84
Williamstown	L	.10							.26				.86			.60	.08	.18								.35	.01			.10		2.57
Woodbury, Lock No. 4	G	.19				.03			.37			T		.08		.40	.03	.03								.08	.05	.99				2.25
Eastern Division																																
Ashland	O	.28				.04			.15					.68		.46	.42	.31										.16		.44		3.68
Beattyville	K	.16				.03			.16	.01				.37		.88	.16	.61	T	T	.02				.05		.18	T		.55	T	3.18
Berea	K	.17			.22				.12				.41	T	.01	.79	.20	.90	T.	T				T	.09	.64	.43			.51		2.97
College Hill, Lock No. 11	K	.30				T			.15					.35		.05	.05	.20		T					.05	.05	.20		.08	.35	T	2.39
Cynthiana	L	.30				T			.15					.40		.92	.22	.25							T		.43		.12	.22		2.61
Falmouth	L	.50				T.			.18					.26		.46	.38	.24							T	.08	.41			.18	T	2.74
Farmers	L													.80		.50	.36	.07									.25			.35		1.78
Flemingsburg	L	.35							.45				.80		.15	.47	.13									.15				.27		2.05
Ford, Lock No. 10	K	.22							.13					.26		.45	.12	.12	T	T	T				.2		.10	T	T	.10	T	1.42
Grassom	O	.24							.11					.19		.36	.30	.63	.04													1.87
Greenup, Dam 30	O	.21	T.			T			.28	T				.41		.43	.35	.55										.20		.03	.20		2.28
Hazard	K	.16				.06			.60	.02				.50		.58	.15	.18		.20		.03			.09		.20			.24	T	2.01
Heidelberg, Lock No. 14	K				T	.05			.18					.20		.57	.18	.57							.14	.25	.24			.04		1.67
Hindman	K	.23			.07				.05				T	.45		.87	.45	.23	T	T	.05				T		.15			.07	T	.54
Jenkins	K	.16							.70					.18		.10	.72										.34			.37	T	1.87
Louisa	B	.20						.14		.02				.75		.55	.33	.50	.01								.71	.04		.4		3.57
Maysville	O	.24				T			.25					.64		.83	.14	.16									.42		.32	.42		2.81
Middlesboro	C			.80					1.00						.15	1.05	.10	.30	.40								.15					2.00
Mount Sterling	L	.21			.11				.07				.05				.18	.31						T	.05	.11	.15					1.08
Oneonta Dam 35	O	.45							.2					.64		.10	.12	.17									.41			.71		2.40
Pikeville	K	.26				T			.18					.82		.56	.28	.55									.59			.54		3.04
Prestonsburg	B								.08					.20		1.15	.30	.72	T								.40			.17		2.82
Quicksand	K	.23				T			.41					.40	.95		.40	.76		.10					.16		.40			1.17		4.58
Ravenna, Lock No. 12	K	T				T		T						.94		.68	T	.36	T		T				T		.25			.15	T	2.38
Richmond	K	.10			.07				.10				.30		.18	.21	.20	.38						.02	.02	T	.22		.03				2.03
Sargent	K	.15			.02	.03								.25		.87	.06	.65		.10							.30			.10		2.26
Valley View, Lock No. 9	K								.09				.14		.20	.35	.45							.06		.40		.60				2.04
Vanceburg, Dam No. 32	O	.17								.40	.04			.65		.58	.39		.20	.21												1.64
Whitesburg	K	.16							.22					.38		.87	.11	.74	.02						.10		.20			.45		1.84
Williamsburg	C	.12			.09				.20					.62		.88	.07	.07									.55			.45		4.46
Willow, Lock No. 13	K		.10						.10					.42		.75	.15										.25			.45		2.22

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(R) Reference mark *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

(†) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

§ Lone Oak

Daily Temperatures for March, 1928.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	45	56	54	52	49	52	66	55	46	47	72	74	69	59	55	38	37	37	51	54	57	79	85	75	74	80	51	67	78	75	60	59.6
	Minimum	27	26	29	31	24	21	26	35	26	30	27	46	45	31	35	30	30	25	28	25	27	34	40	42	55	50	33	31	44	35	30	32.6
Blandville	Maximum	47	58	56	55	48	52	63	61	54	54	66	69	64	57	51	46	40	43	48	52	57	79	80	67	70	78	48	70	72	45	58	57.5
	Minimum	25	29	35	39	23	27	34	47	35	32	33	48	50	36	34	31	28	25	27	36	31	43	51	56	57	48	35	36	43	34	31	36.9
Calhoun	Maximum	41	54	52	52	48	50	66	62	54	50	70	70	66	69	56	35	36	37	48	50	56	79	88	76	74	78	49	66	75	74	58	59.2
	Minimum	27	28	33	37	24	26	30	39	44	31	28	43	50	32	34	34	30	27	28	30	30	41	48	57	55	49	32	34	54	34	31	36.5
Earlington	Maximum	41	51	49	50	49	49	61	64	55	50	69	71	65	56	53	36	36	36	48	50	53	78	82	67	74	79	46	70	75	67	57	57.6
	Minimum	27	26	35	37	24	26	30	39	44	31	28	43	50	32	34	34	30	27	28	30	26	37	44	59	57	46	33	34	51	35	29	35.6
Greenville	Maximum	46	55	54	49	48	54	67	65	56	54	72	74	69	59	55	37	36	38	49	53	58	79	82	73	74	78	52	70	76	72	59	59.9
	Minimum	26	25	30	35	24	23	28	37	43	30	28	44	50	33	34	33	30	28	24	30	27	37	44	56	56	46	33	...	81	34	...	§34.4
Hopkinsville	Maximum	44	55	54	49	48	54	67	65	56	52	75	72	65	59	55	37	36	38	49	53	58	79	82	73	74	78	52	70	76	72	59	59.9
	Minimum	26	24	27	37	23	25	27	43	44	32	29	43	50	34	35	33	29	26	27	28	29	35	43	57	55	45	32	31	54	34	26	34.0
Marion	Maximum	41	53	50	51	48	50	65	62	53	51	67	70	64	57	55	34	35	37	47	52	57	78	85	76	71	76	48	72	73	69	56	58.3
	Minimum	24	25	31	39	21	24	33	43	42	30	34	49	50	33	32	32	29	26	27	32	30	44	49	56	56	48	31	33	61	33	30	36.4
Mayfield	Maximum	46	56	55	52	52	53	65	66	55	54	67	68	69	58	56	45	40	44	51	54	59	77	81	72	71	78	55	72	73	72	59	60.5
	Minimum	21	28	32	40	21	24	30	46	41	31	32	47	51	36	31	33	30	25	26	32	30	45	48	53	56	54	34	32	59	34	27	36.5
Murray	Maximum	44	55	53	52	48	55	65	67	57	64	70	71	65	62	54	38	38	50	54	54	57	78	83	67	75	82	52	70	77	68	60	61.0
	Minimum	25	23	28	40	25	25	25	41	40	30	28	46	52	37	36	34	30	22	23	27	25	34	48	50	55	50	34	32	59	34	25	34.7
Owensboro	Maximum	37	51	49	48	45	48	61	60	53	50	67	71	67	55	50	35	35	37	46	47	52	76	80	74	74	77	52	72	73	72	54	56.8
	Minimum	24	25	29	32	23	23	27	37	39	31	27	45	45	34	33	30	27	26	27	28	29	35	43	51	51	45	30	31	45	31	26	33.1
Owensboro	Maximum	42	55	56	53	51	54	67	64	56	56	69	69	63	60	59	37	39	42	49	54	59	79	80	74	74	77	52	72	73	73	59	59.6
	Minimum	24	25	29	32	23	23	27	37	39	31	27	45	45	34	33	30	27	26	27	28	29	35	43	51	51	45	30	31	45	31	26	33.1
Paducah (near)	Maximum	42	55	56	53	51	54	67	64	56	56	69	69	63	60	59	37	39	42	49	54	59	79	80	74	74	77	52	72	73	73	59	59.6
	Minimum	26	28	35	39	23	27	31	44	44	30	30	45	52	34	34	34	29	24	27	33	28	43	47	54	56	51	34	34	58	34	30	36.5
Princeton	Maximum	46	52	49	50	49	50	63	62	55	51	69	72	67	57	48	36	37	38	47	50	55	78	81	74	73	81	55	73	75	69	58	58.4
	Minimum	25	24	27	37	32	24	26	42	45	31	28	41	52	32	35	32	28	26	23	27	27	35	41	47	55	53	32	32	53	33	29	37.6
Russellville§§	Maximum	46	53	...	51	42	46	62	64	...	53	69	69	64	51	45	37	33	35	45	48	55	76	...	80	73	78	49	71	81	39	57	§57.0
	Minimum	28	32	33	...	25	23	28	41	44	...	29	36	46	36	36	36	30	27	24	31	28	36	43	...	49	55	34	32	34	36	30	§34.8
Central Division																																	
Anchorage	Maximum	33	48	46	46	40	37	63	62	52	46	66	71	62	55	41	34	34	38	42	47	52	76	80	69	72	76	40	55	77	60	52	53.9
	Minimum	16	20	25	25	18	22	27	43	39	33	28	38	41	29	31	21	26	26	25	25	33	33	49	54	40	40	30	30	40	30	25	30.5
Bardstown	Maximum	46	50	50	49	47	45	61	66	54	47	68	74	69	55	45	35	35	39	44	50	55	76	83	81	75	79	74	59	79	74	55	58.8
	Minimum	22	25	29	28	19	22	19	32	42	34	25	47	51	36	34	32	28	23	29	26	23	32	37	50	54	55	36	31	43	34	22	32.5
Bowling Green	Maximum	48	55	55	49	47	54	68	67	56	51	72	72	65	60	52	40	35	36	48	53	58	79	83	74	74	78	54	72	81	76	60	60.4
	Minimum	29	29	32	37	27	24	27	35	37	33	29	42	50	36	35	33	30	26	26	30	30	35	45	48	55	53	32	32	54	36	30	35.3
Dix Dam	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Eubank	Maximum	52	54	51	44	44	46	61	64	59	64	65	71	68	66	56	52	54	32	37	45	50	71	74	71	78	73	74	75	77	58	65	59.1
	Minimum	29	27	32	28	28	24	25	34	34	33	29	41	40	35	34	32	32	23	23	28	26	44	47	42	52	44	41	45	48	32	24	38.9
Frankfort	Maximum	39	47	47	49	47	43	60	63	61	45	64	72	71	54	53	36	35	38	46	48	51	74	78	76	70	77	64	53	78	76	51	56.9
	Minimum	28	26	30	27	26	23	23	30	44	36	26	40	51	35	33	32	28	27	30	29	30	36	46	52	54	52	35	43	46	36	28	33.7
Franklin	Maximum	51	63	53	49	47	46	62	61	52	47	72	71	77	58	54	51	36	36	47	52	52	71	70	69	72	77	76	69	77	76	71	60.2
	Minimum	29	29	33	40	27	25	32	38	41	33	31	47	52	37	35	33	30	27	27	33	29	32	38	55	57	52	50	34	56	36	32	37.2
Glasgow	Maximum	55	52	55	50	46	53	58	61	68	..6	60	70	72	61	56	43	36	36	38	50	58	60	68	69	71	65	59	60	59	70	66	56.9
	Minimum	28	27	32	30	24	24	30	29	31	28	38	28	32	30	30	28	28	20	19	32	30	31	36	40	38	20	28	27	37	48	36	30.8
Greensburg	Maximum	43	51	49	47	46	44	63	64	57	46	68	74	67	52	51	43	35	34	43	45	49	76	81	73	73	79	68	68	81	78	53	58.3
	Minimum	27	26	25	27	21	19	21	29	42	31	24	36	49	33	33	32	27	21	27	43	24	27	34	45	52	54	29	27	42	33	25	31.6
Lexington	Maximum	52	50	47	49	38	47	61	63	58	46	65	71	64	55	51	34	33	37	45	48	53	74	79	69	70	75	45	63	76	74	52	55.5
	Minimum	26	29	33	34	22	24	31	36	42	36	29	49	48	34	33	32	28	25	32	32	30	38	46	55	55	44	31	35	45	35	31	35.5
Louisville	Maximum	41	49	52	49	48	45	62	66	60	65	71	74	69	62	55	41	34	37	41	50	52	75	83	74	70	79	74	61	81	79	52	59.7
	Minimum	26	30	37	30	21	24	34	44	38	38	39	49	40	35	32	30	25	26	30	34	34	41	44	57	56	45	29	35	43	34	33	34.8
Junction City	Maximum	46	48	48	46	47	43	59	62	59	43	65	71	69	58	53	34	33	37	42	46	52	75	80	79	71	76	53	54	76	74	52	56.4
	Minimum	27	25	34	27	20	21	27	31	43	40	29	42	51	32	31	33	28	22	27	31	30	34	36	50	53	52	29	29	38	34	28	32.8
Dog Cherokee Park†	Maximum	38	51	50	46	46	47	61	64	54	43	67	70	64	54	48	34	33	35	44	48	53	75	79	71	70	76	47	65	77	73	53	55.7
	Minimum	25	27	31	29	20	23	28	31	41	34	26	43	48	33	35	31	25	25	28	28	28	38	53	54	55	29	34	36	34	30	25	33.9
Leitchfield	Maximum	38	51	50	46	46	47	61	64	54	43	67	70	64	54	48	34	33	35	44	48	53	75	79	71	70	76	47	65	77	73	53	55.7
	Minimum	18	27	22	33	22	23	30	36	42	32	28	46	47	32	34	33	29	23	29	30	26	44	51	56	47	31	31	47	46	40	30	34.2
Maxon	Maximum	31	44	48	42	35	41	57	62	52	42	63	69	65	56	42	33	30	33	38	44	49	70	77	65	66	74	41	58	75	63	47	51.5
Lexington	Minimum	26	27	33	28	18	22	35	52	35	32	31	45	39	34	32	27	25	24	28	30	30	38	45	52	52	33	28	32	42	29	28	32.7
Louisville	Maximum	32	49	44	46	38	43	60	62	53	43	64	70	61	54	41	35	35	39	43	47	53	75	79	76	70	78	45	64	76	74	47	51.0
	Minimum	26	30	37	30	21	24	34	44	38	38	39	49	40	35	32	30	25	26	30	34	34	41	44	57	56	45	29	35	43	34	33	34.8
Dog Cherokee Park†	Maximum	38	48	48	46	47	43	59	62	59	43	65	71	66	56	50	36	36	38	43	46	51	73	78	72	70	77	52	65	77	74	51	55.7
	Minimum	25	27	31	29	20	23	28	31	41	34	26	43	48	33	35	31	25	25	28	28	28	38	53	54	55	29	34	36	34	30	25	33.9
St. John	Maximum	50	53	52	54	46	47	64	60	62	65	67	70	68	57	46	38	38	39	45	49	52	76	74	71	70	76	65	51	77	71	60	58.3
	Minimum	22	32	36	27	18	19	23	34	31	34	35	44	49	37	34	28	24	26	30	34	32	40	46	52	54	26	29	29	32	29	23	33.2
Scott	Maximum	32	45	42	46	40	39	56	56	54	49	61	70	62	52	46	40	39	39	47	51	52	75	73	66	75	68	52	51	45	49	52	52.0
	Minimum	22	23	26	26	16	19	25	26	38	31	22	42	47	33	33	31	28	25	27	29	28	36	42	47	46	25	29	29	32	28	23	31.5
Shelbyville	Maximum	38	47	49	47	44	46	64	64	60	62	66	72	66	58	49	39	39	42	47	50	54	78	82	73	73	78	56	68	78	77	57	57.6
	Minimum	24	25	29	29	21	23	28	32	34	29	27	44	47	32	32	29	24	24	26	28	25	32	39	49	50	36	30	30	39	32	25	29.9
Taylorsville	Maximum	38	48	48	47	47	43	58	63	59	44	65	71	66	56	50	36	36	38	43	46	51	73	78	72	70	77	52	65	77	74	51	55.7
	Minimum	22	23	27	26	20	22	22	29	33	35	24	39	49	32	32	28	22	23	25	25	24	31	39	49	50	33	30	30	33	32	25	31.7
Williamstown	Maximum	38	43	45	46	44	40	56	56	54	41	62	72	64	57	48	38	38	44	50	52	56	78	77	68	75	78	49	69	79	75	52	52.9
	Minimum	18	22	29	29	15	18	28	27	37	31	24	43	48	32	32	29	25	24	24	29	28	35	36	52	52	34	26	31	38	31	22	31.3
Eastern Division																																	
Ashland	Maximum	44	46	46	54	47	41	60	59	59	49	70	70	77	70	55	48	35	33	42	48	50	72	74	75	76	81	78	49	77	65	49	58.1
	Minimum	29	27	36	23	21	18	22	35	38	35	22	39	40	31	33	28	27	27	27	30	30	33	42	52	52	51	32	31	41	37	29	32.7
Beattyville	Maximum	42	48	50	43	44	47	61	65	56	46	66	72	68	66	45	37	37	39	43	47	51	73	78	72	72	80	56	57	80	74	53	56.8
	Minimum	28	22	29	24	23	20	17	21	25	41	30	25	35	38	39	28	34	29	25	26	23	29	31	42	50	50	36	28	39	34	27	30.9
Carter	Minimum	28	24	32	31	20	25	27	39	44	34	31	45	50	35	34	31	27	21	28	31	28	35	36	48	55	51	37	36	51	37	27	34.5
	Maximum	51	47	49	47	40	41	60	57	45	68	74	76	68	56	47	39	38	40	49	51	52	80	86	72	81	77	76	81	77	51	59	59.4
Farmers	Minimum	25	21	28	17	17	18	16	20	43	26	32	39	46	29	25	31	26	24	23	25	27	28	47	47	47	27	26	37	34	21	27	27.7
	Maximum	53	45	54	43	43	47	63	66	58	60	65	73	75	61	50	43	39	34	41	46	47	70	76	70	71	80	71	56	81	76	49	58.3
Hindman	Minimum	31	22	26	24	27	17	23	25	41	39	28	32	39	41	31	31	28	26	25	21	30	25	31	38	52	48	34	27	31	37	29	30.7
	Maximum	38	46	46	45	45	41	41	56	58	42	64	69	69	55	58	39	33	35	40	45	50	69	71	74	73	73	73	58	66	58	48	53.8
Maysville	Minimum	26	24	31	20	16	20	22	32	34	22	40	42	45	31	32	27	26	27	26	26	31	33	41	52	55	29	26	41	36	26	31	31.3
	Maximum	58	57	56	55	54	53	65	65	64	60	68	70	70	69	67	66	65	62	61	66	70	79	76	75	76	74	72	71	77	72	58	66.6
Middlesboro	Minimum	31	31	28	29	31	19	24	34	41	30	29	50	44	42	41	39	31	26	17	23	28	25	24	40	53	50	26	26	46	37	33	33.5
	Maximum	46	44	43	47	42	43	58	63	53	44	63	74	75	62	51	34	33	37	43	48	49	71	75	70	74	79	58	52	80	48	50	54.0
Mount Sterling	Minimum	24	22	27	26	17	19	22	28	42	33	25	41	48	29	32	30	25	24	25	27	29	31	31	47	50	52	28	28	38	34	23	30.9
	Maximum	47	48	54	48	45	47	62	65	58	54	68	74	76	65	46	45	38	40	48	50	58	74	78	74	75	80	50	68	78	74	59	59.8
Quicksand	Minimum	25	23	26	25	25	18	23	25	47	36	27	46	50	31	34	29	29	29	30	28	34	32	40	52	50	33	30	27	51	36	28	32.6
	Maximum	37	43	42	42	38	40	52	64	52	55	58	63	66	51	42	35	30	38	40	46	44	64	68	69	67	78	58	51	76	36	48	50.7
Richmond	Minimum	26	26	32	30	20	20	29	31	42	34	30	44	52	33	34	32	27	25	27	25	30	31	40	50	55	31	29	28	36	32	28	33.2
	Maximum	56	47	54	54	45	49	63	65	60	59	61	74	74	60	55	48	41	33	39	46	47	72	73	73	71	70	74	76	82	80	76	59.7
Sergent	Minimum	31	33	34	35	20	18	26	28	48	37	32	34	39	44	40	40	36	30	26	31	24	33	39	50	46	23	28	36	43	31	32	30.8
	Maximum	60	54	58	50	46	49	65	71	63	53	68	70	77	69	56	49	42	56	42	53	53	75	80	76	74	83	74	66	85	84	76	62.4
Williamsburg	Minimum	...	21	28	29	27	19	23	29	47	32	33	39	45	40	40	38	39	35	18	27	28	27	29	41	52	51	34	26	41	36	29	39.7

§§ Instrument is read at 7:00 this morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

† The city readings respectively 1, 2, 3 etc., days missing from record.

§ 25 to Lexington, 3.5 to Paw.

.05
AE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

L XXXIII LOUISVILLE, KY., APRIL, 1928 No. 4

GENERAL SUMMARY.

Decidedly warm weather prevailed in the six-day period at the inning of the month. After that temperatures were below mal nearly every day, while in the periods central about the , 15th, and 27th, departures were 10° to 15° below the sea- al average. The early warm spell caused peaches and plums blossom completely in the southern counties and partly in the thern. The freezes of the 10th and 16th damaged these its considerably, killing some buds outright and causing the t to drop in the case of others that were more resistant. In northern counties a considerable percentage of buds, which not opened, escaped apparent injury. The continued cold t other fruits semi-dormant and safe from damage. Some ng clover, especially that sown on winter killed wheat, was ght in the "double" and killed. Early gardens were planted erally in the warm spell, but the unfavorable weather later prevented much progress. Although land was generally dy or in condition that it could be prepared promptly, most ners awaited more favorable temperatures before planting n. With the rise of the temperature to normal on the last days, planting was pushed vigorously in all districts under ditions of soil and weather that permitted the most rapid gress. Precipitation, somewhat heavier than normal, inter- d at times with plowing, but this work was already so well anced that such delays were generally immaterial. Excess- downpours locally in some western counties caused damage soil washing, otherwise the rains were beneficial in supplying itional moisture to soil somewhat drier than desirable at this on. Oats came up to a good stand of fairly vigorous plants, growth was very slow. Tobacco plants also developed dly and were inclined to turn yellow. Wheat continued in r to very poor condition, with irregular growth and weak rts at stooling. In the eastern counties nearly all of it was ndoned or plowed up. The condition of the wheat crop at end of the month was decidedly the worst in many years. dows, clover, alfalfa and pastures, made exceptionally slow irregular progress in starting.

TEMPERATURE.

he temperature for the State, 43 stations reporting, averaged °, which is 3.0° below normal. Minima below freezing rred with unusual frequency, while the average monthly ima at many northern stations was only 6° to 8° above ing. A peculiar temperature feature was the occurrence of warmest weather at the beginning of the month, when ima of 80° were registered at some western stations. Ex- es for the State ranged between 83° on the 2d at Williams- , and 21° on the 16th at Farmers and Junction City.

PRECIPITATION.

recipitation for the State, based on reports from 83 stations, 4.20 inches, which is 0.17 inch above normal. The heaviest ipitation occurred in the extreme western and southeastern ties, where it ranged between 5.0 and 7.5 inches. In the rict along the Ohio River from 4.0 to 5.0 inches was recorded ost stations. In a broad northeast-southwest belt through center of the State, amounts ranged between 2.5 and 3.5 es. Light to moderate rain occurred on the 7th in the ral and eastern counties, and heavy rains in the western ion. There were also heavy rains locally on the 14th and 21st. They were excessive on the 21st in some western districts. Showers occurred from the 18th to 28th, but amounts were irregular and the distribution was local on most days. Heavy snow was reported from a few southeastern mountain counties on the 27th and 28th. Thunderstorms were noted on the 3d, 6th, 13th, 18th, 19th, 20th, 21st 23d, and 24th, principally in the western and central districts. No hail of consequence was reported.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. (In inches reduced to sea-level.) Average	Highest	Date.	Lowest	Date.	Wind: Total movement.	Av. hourly velocity	Max. Velocity* Highest per hour.	Direction	Date.
Cairo ..... Ill.	29.97	30.39	9	29.61	6	7867	10.9	33	SW.	29
Cincinnati ..... Ohio	29.97	30.36	9	29.49	14	6986	9.7	34	SW	14
Evansville..... Ind.	29.99	30.45	9	29.54	21	7658	10.6	37	S	5
Lexington ..... Ky.	29.98	30.57	9	29.57	14	10147	14.1	46	SW	21
Louisville ..... Ky.	29.88	30.38	9	29.52	14	8795	12.2	41	S	6

*For any five minute period. †By 3-cup anemometer beginning January, 1928

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine	No. of hours possible.	Percentage of possible	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	71	53	57	239.8	394.8	61	11	4
Cincinnati ..... Ohio.	67	51	58	222.9	397.4	56	8	5
Evansville..... Ind.	69	47	55	223.5	396.1	56	12	7
Lexington ..... Ky.	71	60	..	164.5	366.1	45	4	9
Louisville ..... Ky.	76	53	59	239.3	396.1	60	11	4

COMPARATIVE DATA FOR APRIL.

Year	Temperature. Monthly average	Departure from 35-year normal	Highest	Lowest	Precipitation. Monthly average	Departure from 35-year normal.	Average Number of Days. No. of days with 01in or more rain.	Clear	Partly Cloudy	Cloudy.	Average snowfall
1889...	57.0	+ 1.1	89	24	1.61	−2.42	..	..	..	..	..
1890...	57.0	+ 1.1	92	28	4.04	+0.01	..	..	..	..	..
1891...	58.0	+ 2.1	92	24	2.52	−1.51	..	..	..	..	..
1892...	56.0	+ 0.1	88	22	7.12	+3.09	..	..	..	..	..
1893...	58.0	+ 2.1	94	24	6.99	+2.96	..	..	..	..	..
1894...	56.0	+ 0.1	94	25	3.54	−0.49	..	..	..	..	..
1895...	57.2	+ 1.3	94	22	3.18	−0.85	9	13	8	9	..
1896...	63.6	+ 7.7	96	24	1.65	−2.38	6	13	12	5	..
1897...	55.5	− 0.4	90	25	6.03	+2.00	11	11	9	10	T
1898...	52.4	− 3.5	86	10	3.38	−0.65	9	12	8	10	1.1
1899...	57.2	+ 1.3	96	29	3.16	−0.87	9	13	8	9	0.2
1900...	56.2	+ 0.3	90	15	2.15	−1.88	8	14	8	8	T
1901...	50.9	− 5.0	91	23	4.01	−0.02	16	11	5	14	2.6
1902...	54.2	− 1.7	93	22	2.65	−1.38	9	14	7	9	0.1
1903...	53.4	− 0.5	90	22	4.53	+0.40	12	10	7	13	T
1904...	50.8	− 5.1	85	16	2.83	−1.30	11	10	7	13	1.7
1905...	56.7	+ 0.8	91	23	3.00	−1.03	9	12	8	10	0.2
1906...	59.5	+ 3.6	94	25	1.40	−2.63	6	17	7	6	0.0
1907...	48.2	− 7.7	87	19	2.78	−1.25	11	10	5	15	0.2
1908...	51.8	+ 3.9	89	23	6.56	+2.53	14	12	5	13	0.6
1909...	56.1	+ 0.2	96	21	5.08	+1.05	10	11	7	12	T
1910...	55.4	0.5	88	23	5.34	+1.11	14	12	6	12	0.7
1911...	53.8	− 2.1	90	20	7.06	+3.03	14	11	5	14	T
1912...	58.4	+ 2.5	87	25	7.90	+3.87	12	11	7	12	T
1913...	55.3	− 0.6	89	27	2.53	−1.50	10	14	7	11	T
1914...	55.7	− 0.2	91	18	3.62	−0.41	10	11	8	11	T
1915...	50.1	− 4.2	96	17	0.96	−3.07	5	17	8	5	0.9
1916...	51.0	− 1.9	89	23	2.64	−1.39	9	11	8	11	1.4
1917...	55.8	− 0.1	96	19	5.02	+0.99	8	14	7	9	0.5
1918...	53.9	− 2.0	87	28	4.57	+0.04	12	8	8	14	0.3
1919...	56.7	+ 0.8	89	19	3.51	−0.52	10	13	7	10	0.0
1920...	50.8	− 5.1	89	22	6.16	+2.13	13	9	8	13	0.2
1921...	58.2	+ 2.3	90	22	4.09	+0.06	10	15	7	8	T
1922...	59.5	+ 3.6	88	25	4.25	+0.22	10	14	8	8	0.0
1923...	54.8	1.1	90	18	4.88	+0.85	9	15	6	9	0.0
1924...	57.4	1.5	93	29	3.41	−0.62	10	13	7	10	0.1
1925...	61.2	+ 5.3	98	26	3.16	−0.87	10	14	7	9	0.3
1926...	51.6	− 4.3	87	16	3.17	−0.86	10	13	7	10	T
1927	55.7	− 2.8	92	22	6.32	+2.56	15	10	8	12	T
1928	52.9	− 3.0	83	21	4.20	+0.17	11	11	9	10	.06

Climatological Data for April, 1928.

Station	County	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches			Number of days					Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall melted	With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy		
Western Division																				
Beaver Dam	Ohio	441	24	55.6	— 0.3	82	24	26	16	36	3.78	0.34	1.50	0	7	19	1	10	w.	Mrs. Lena F. Taylor.
Brandville	Ballard	385	46	53.8	— 3.6	78	5	30	10†	38	5.73	+1.17	1.86	0	11	7a	8a	14a	ne.	E. W. Horr.
Calhoun	McLean	457	24	54.6	— 3.8	78	2	29	10	43	4.62	+0.03	2.10	0	10	3	21	6	nw.	W. A. Taylor.
Eerlington	Hopkins	420	38	55.0	— 2.3	80	2	26	16	34	4.94	+0.57	2.19	0	12	11	9	10	n.	Brick Southworth.
Greenville	Muhlenburg	519	11	54.2	— 3.2	78	24	26	16	47	4.25	— 0.62	1.80	0	10	9	16	5	s.	C. R. Lovell.
Hopkinsville	Christian	524	32	54.6	— 2.7	79	24	25	16	40	3.99	0.41	1.36	0	9	17	4	9	se.	W. E. Graves.
Madison	Crittenden	571	30	53.8	3.8	77	2	27	10	35	6.37	+1.82	3.73	0	7	6	12	12	nw.	B. C. Paris.
Mayfield	Graves	384	19	54.0	— 3.3	77	24	30	10	35	7.48	+2.98	2.75		7	10	8	12	sw.	Mrs. L. R. Sowell.
Murray	Calloway	412	2	54.6		81	2	27	16	37	7.16		3.72	0	7	12	13	5	s.	Harry B. Arnold
Owensboro	Daviess	479	31	52.0	— 3.5	78	24	27	10	36	4.13	+0.07	1.83	0	10	9	5	16	s.	Henry S. Berry
Owensboro	Daviess	479									4.23		2.00	0	8					George McGlemary.
Owensboro, Dam 46	Daviess	479									6.00	+0.44	2.70	0	9	16	4	10	sw.	J. W. Lilley
Paducah, near	McCracken	516	11	54.4	— 3.8	78	5	27	16	39	6.02	+1.41	2.55	0	9					Frank L. Brown.
Paducah	McCracken	341	39								4.91	+0.91	2.50		14	8	7	15	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	21	53.4	— 4.7	79	2	27	16	39	4.86	+0.66	2.40		8					Thos. L. Wetzell.
Ramsey, Lock 2	McLean	384	11								3.76	— 1.08	1.00	0	12	12	3	15	n.	Wm. Shelton.
Russellville	Logan	590	17	52.8	— 5.2	79	2	25	16	42	4.58		1.96		9					E. H. Morris.
Uniontown, Dam 40	Union	314																		
Central Division																				
Addison, Dam 45	Breckinridge	352									4.20		1.55		15					C. L. Moore.
Anchorage	Jefferson	700	27	50.6	— 2.6	80a	2	24a	16	35a	4.00	0.06	1.86		6	16	10	4	sw.	C. E. Barret.
Bardstown	Nelson	667	31	53.0	2.6	82	2	25	16	36	3.98	0.00	1.81	0	11	11	3	16	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	560	89	56.0	— 2.8	82	2	27	16	40	3.94	— 0.51	0.91	0	10	6	15	9	w.	Mrs. Lillie G. Causey
Bowling Green, No. 2	Warren	469	3								2.41		0.69	0	6					J. Frank Thomas.
Brownsville, Lock 6	Edmonson	410	11								3.14	— 1.93	0.72	0	9					Virgil M. Mullin.
Burnside	Pulaski	778	87								5.84	+1.61	1.10	0	14					E. W. Bradshaw.
Carrollton, Lock 1	Carroll	422	29								3.78	+0.12	1.43	0	8					Shelby Angel.
Cloverport	Breckinridge	422	14																	W. A. Cockerill
Cold Spring, Dam 86	Campbell	489	2								4.35		1.40	0	11					W. L. Paschell.
Dix Dam, Burgin	Mercer	770	4	53.0		80	3	29	14	37	2.48		0.72	0	10	12	7	11	w.	G. D. Glass.
Eubank	Pulaski	1177	34	53.4	— 0.9	78	3	27	16	44	2.73	— 1.15	0.60	0	10	8	14	8	s.	Mrs. Katie Payne.
Frankfort	Franklin	550	46	52.8	— 2.4	79	3	26	16	35	3.39	— 0.47	1.52	0	9	13	8	12	s.	Sidney Wood.
Franklin	Simpson	691	33	54.5	— 4.7	78	3	33	10†	33	3.70	— 0.68	1.60	0	5	19	10	1	s.	M. E. Johnson.
Glasgow	Barren	449	17								3.95	0.60	1.88	0	11					Albert Purvis.
Grat, Lock 3	Henry	780	7																	Dr. Fidelia Edwards.
Glasgow	Barren	606	3								3.95		1.01	0	9					Bert Ross.
Grant, Dam 88	Boone	681	35	52.0	— 3.2	80	24	22	16	42	2.74	— 1.29	0.79	0	13	5	4	21	n	Mrs. Bettie K. H. Alcorn
Greensburg	Green	550	26								2.48	— 1.28	0.84	0	10					Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	646	30	53.0	— 2.9	79	2	29	10†	30	3.91	— 0.17	1.80	T.	8	11	4	15	sw.	W. J. Piggott.
Irvington	Breckinridge	385	46	52.6	— 2.3	80	3	21	16	42	5.52	0.42	0.74	0	14	15	9	6	sw.	William E. Grubbs.
Junction City	Boyle	1052	2								2.16		0.42		13					L. J. Vanlook.
Lancaster	Garrard	1032	2								4.65	+0.20	2.10	0	11	8	12	10	nw.	H. H. Willis.
Leitchfield	Grayson	545	32	53.0	— 2.4	78	24	27	15	34	2.76	— 0.58	1.01	T.	12	7	13	10	sw.	U. S. Weather Bureau
Lexington	Fayette	989	44	50.6	3.7	77	2	28	15	33	3.09	+0.50	0.50		11					Horace Custer
Littlefickman, Lock 8	Jessamine	523	17								3.48	0.89	1.48		11					Andrew J. Keenan.
Lockport, Lock 2	Henry	476	18								4.15	+0.27	2.01	T.	9	7	9	14	s.	U. S. Weather Bureau.
Louisville	Jefferson	525	55	52.3	— 4.1	79	2	29	10	33	4.30	— 0.10	1.95	0	8	8	10	12	w	Wm. J. Hunt
Do. Cherokee Park	Do.	534	18	52.4	— 3.7	79	24	27	10†	36	1.28		0.50	0	7					C. R. Richardson.
Munfordville	Hart	600	3								4.86	+0.68	2.40	0	8	16	4	10		Sisters of Loretto
St. John	Hardin	777	32	51.0	— 3.6	78	3	25	10†	36	3.25	+0.08	1.10		7					Ernest M. Sowrey.
Salvisa, Lock 6	Mercer	490	14								4.38	+0.84	1.42	T	8	3	15	12	w.	C. R. Wilson
Scott	Kenton	960	30	49.8	3.4	78	2	25	16	38	4.15	— 0.34	1.87	T.	14	9	4	17	sw.	Miss Ruth Ratta.
Shelbyville	Shelby	825	39	50.2	— 4.5	80	2	22	16	39	3.70	— 0.67	1.80	0	10	13	7	10	nw.	E. B. Bourne.
Taylorsville	Spencer	660	28	51.3	— 3.2	79	24	25	16	36	3.55	— 0.89	1.42	0	10					E. B. Vaughn
Tyrone, Lock 5	Anderson	528	10								5.11	+ 1.78	2.04	0	15	10	15	5	nw	Mrs. E. S. Hemlong
Williamstown	Grant	948	25	50.6	— 2.4	79	2	23	10	38	2.90	— 1.58	0.70	0	11					J. C. Stinson
Woodbury, Lock 4	Butler	533	11																	
Eastern Division																				
Ashland	Boyd	534	11	51.1	— 4.7	82	4	28	16	37	3.93	+0.60	1.18	T.	14	12	0	18	sw.	Curtis Ouzis.
Beattyville	Lee	650	24	52.0	2.5	81	3	24	16	33	3.56	— 0.59	0.67	T.	17	5	9	16	w.	Robert S. Smallwood.
Berea	Madison	1070	25	52.4	— 2.9	79	3	24	16	33	3.54	— 0.15	0.84	T	12	1	26	3	sw.	Samuel M. Mayfield.
Berea	Madison	601	18								2.88	0.28	0.65		15					Jerry Walden
College Hill, Lock 11	Harrison	684	10								3.28	0.29	0.90		12					P. H. Keene.
Cynthiana	Harrison	660	39								3.70	+0.06	1.47		11					J. V. Oldham
Falmouth	Pendleton	609	29	49.2	— 5.6	80	6	21b	16	46b	2.80	1.30	0.90		10	11b	9b	8b	e.	Mrs. R. F. Stamper
Farmers	Rowan	668	20								2.64		1.12		6					C. A. Glascock
Flemingsburg	Fleming	841	3								2.53	1.40	0.58	T.	13					John A. Walters.
Ford, Lock 10	Clark	593	12								2.50		0.62		10					Col. Frank Powers
Grayson	Carter	589	3								4.77		0.76		13					T. M. Isbell.
Greenup, Dam 30	Greenup	540	8								6.44		0.85	0.4	16					Chas. O. Berg
Hazard	Perry	805	4								3.91	+ 1.13	0.74		12					S. C. Cole.
Heidelberg, Lock 14	Lee	664	11								6.46		1.58	1.0	11	11	4	15	ne.	Carl Napier.
Hindman	Knott	1032	3	51.8		80	4	23	16	41	6.38		1.50	1.0	13					R. R. Davidson.
Jenkins	Letcher	1506	3								4.17	0.86	0.99		13					Russian Cordey.
Loudon	Lawrence	554	24								3.27	0.27	0.99		11	9	9	12	sw.	Perry E. Bennett
Maysville	Mason	524	31					22	16		6.78	+2.66	1.12	0	8	16	12	2		Matthew Woodson.
Middlesboro	Bell	1128	32	57.6	+ 1.6	79	24	25	16	43	3.52	— 0.57	0.68	0	14	15	5	10	w.	W. H. McKee.
Mount Sterling	Montgomery	930	38	50.2	3.4	82	3	24	16	38	4.98		1.52	0	9					Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	497	6								7.64	3.46	1.80	3.0	12					Robert Repass.
Pikeville	Pike	646	22								5.48		1.37		12					F. C. Bell
Prestonsburg	Floyd	646	3								5.49		0.95	0.5	11					R. W. Jones
Quicksand	Breath it	772	3	53.4		81	31	26	16	42	3.68	0.59	0.86		12					Walter P. Bush
Ravenna, Lock 12	Estill	631	10								2.92	— 1.43	0.55	0	12	12	6	12		J. W. Crooke
Richmond	Madison	908	37	52.6	3.3	77	2	27	16	34	5.54		1.32	5.0	13	15	6	14	sw	R. P. Crawford.
Siegel	Letcher	1225	6	53.4		80	7	25	16	41	2.55	1.32	0.66		12					Thos. Sullivan.
Valley View, Lock 9	Madison	541	15								3.77	+0.41	0.80		10					H. M. Fannin.
Vanceburg, Dam 32	Lewis	525	13								5.91		0.99	6.0	13					C. H. Zimmerman.
Van Lear	Letcher	1142	3								3.93	+1.65	1.15	0	12	21	7	2		Lawrence R. Uhl.
Williamsburg	Whitley	939	31	55.2	— 1.3	83	2	25	16	44	2.26	— 1.46	0.75		11					W. C. Combs.
Willow, Lock 13	Lee	611	9								4.26	0.17	2.78	0.6	11	11	9	10	sw	
State averages, 91 stations				52.9	3.0	83	2	21	16	17	4.26	0.17	2.78	0.6	11	11	9	10	sw	

All temperatures here are taken from self registering thermometers.

The departures from normal temperatures and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published.

a Hennessy, Brownsville and Woodbine are Locks on the Green River; other Locks are on the Kentucky River.

b Dates on which readings are also given.

Reference letters, * appearing in the table indicate number of days missing; for example, 5 represents five days, etc.

Reference letters, * appearing in the table indicate number of days missing; for example, 5 represents five days, etc. † Trace of precipitation is less than 0.01 inch rain or melted snow. ‡ Lone Oak.

* Also on other dates. ** Record of two late to be included in means and summaries. †† Temperature is below zero. ‡‡ Record of two dates.

‡‡ Locks 1, Leverenchburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

destroyed at $35,000.

April 21.—Several barns and other buildings were partly or entirely unroofed by a windstorm in Garrard County, with a damage estimated at $20,000.

Rivers.—Moderately high stages prevailed in the Ohio during the month. There were no rate rises in the headwaters of the Green, Cumberland, Kentucky, and Big Sandy during the first week.

Daily Precipitation for April, 1928.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam [1]	O					.27	.15							.55						.48	1.56	.47										
Bellevue	M				1.86	.20	.18						.73						.27	.65	.82	.02		.15	.01	.49		.42					
Bellemeade	O			.01	.04	1	.25					T	1.73	T			T		T	T	2.16	.05		.44	T	.18	.12		T			
Bowling Green	O				.07	.02	.16	.06	.04				1.40				T	T		.10	2.15	.05	.04	.02	T		.05					
Brandenburg	O					T	.10	.03					1.80				T		T	1.31	1.44	.10		.08	.03	.02	.18	T				
Bryan	O				.01	.01	.04						.50							.26	1.30	.04				.22						
Burnett	M			.10		1.67	.31						.85						.22		.78	T					.32					
Burtrace	T				T	T	1.18	.17					1.15							.20	.92	.35				1.20						
Cannelton	O			T	.08	T	.18	.47	.07			T	1.08	T						.48	.70	.12	T				.16		T			
Cannelton, Dam 46 [1]	O	T					.20	.45					1.08							.14	1.88	.14		.15	T		.03		T			
Cannelton Cheat [1]	O					1.15	.40						.80					T	.10	.10	.30	T	.04				.02		T			
Clarksville [1]	C					.10	1.20	.22					.10	.80					.10	.10	1.76					.26	.30					
Cloverport	O					.30	.10	.22						.03						.18	.25	.58	T		.15	.04	T	.05					
Cloverport, Lock No. 2 [1]	O			.01	.02	.02	.03	.08					.02	.85					.05	.13	.94	.15	T	T	.01	.06	.11		T	T		
Crescentville [1]	C						.28	.11						1.80						.40	1.68	.22		.05			.24					
Dixie Dam [1]	O				.02	.12	.20	.62						1.60						.55	.85	.34	.03		.16		.35	.02				
Dixie Dam [1]	O				.08	T	.83	.12						.63						.03	1.85	.76	.22	.02		T						
Central Division																																
Edelson, Dam 15 [1]	O				.08		.10	.11	.02			.01		1.55	.01			.05	.08	.02	1.38	.70	.07		.08		.22					
Elizabeth	O			T			.06	.28				T	1.16				.23			1.41	.15	T	T			T					
Elkhorn	S						.05	.07	.03				1.85							.08	.62	.56	.05		.04		.21	.32				
Ewing Green, No. 2 [1]	G				T		.12	.20						.21					.04	.28	.75			.05		.04		.02			
Ewing Green, Lock No. 6	G				T			.05						.03					T	.24	.58	.34	T		T		.21	T			
Fairfield [1]	C						.05	.16						.47						.22	.72	.65		.06			.22	.03				
Fairview [1] (Lock No. 1)	K						.35	.05		.25	.45			.75	.10				.05	1.10	.52	.60	.40		.12		.85	.27				
Fairmount [1]	O						.23						1.43					.23			1.27	.37	.09	.08	.06						
Fall Rolling Dam [1]	O					T	.36	.05																								
Flora, Sturgis	K						.28		.06				1.46						.25	.10	1.01	.76	.13	.01	.02		.05					
Frank	O						.60				.72								.05	.14	.70	.04		.04		.42	.03					
Frankfort [1]	K									.03	.13		1.40						.20	.20	.10	.40			.07		.01					
Fredonia	O						.25	.05				T	1.52					.22	.18		.70	.40	.04	T	T		T	.03				
Gilbertsville, Lock No. 8 [1]	K				T		.23	.16				T	1.88				.04	.07	.05		.60	.49	.08	.02	T							
Glasgow	O																															
Glasgow, Dam 8 [1]	O				.03		.31	.02					1.01					.26	.12		.57	.84	.29	T								
Green River Bridge, Lock No. 7	K					.01		.01		.01	.02		.65					T		.20	.02	.80	.05		.08		.79	.22				
Greenville	O			T	T		T	.10				T	1.80							.17	.53	.32	.01	.02	T		.31	.01				
Greenup City	K	.01						.34	.01		.06		.51		.02				.21	.52	.66	.15	.12	.07		.24	.10					
Hanover [1]	K							.22	.02		.06		.42						.15	.47	.33	.16	.01	.02		.22	.09					
Harrodsburg	O			T		T	.16					T	.10																		
Hartford	O	.03					.20	.31			T	T	T	1.01				.02	.07	1.08	.01		.04	.02	.10	.30	T					
Hawesville, Lock No. 6	K	T					.20	.14		.05	.20		.58				.08		.04	.10	.07	.47	.08	.03		.08	.05		T			
Hickort, Lock No. 2 [1]	K						.20	T						.18		.05	.68	.02		.08	.07	.52	.35	T	T		.53	.05	T			
Hopkinsville	O			T		T	.54	.20				T	1.25	.75			.17	T	.01	T	1.25	.09	.06	T			T		T			
Horse Cave (Hidden Rock)	O			.05			.30					T	T	1.95			.22		.02		1.55	.02		.10			T		T			
Hubbard Mills	O						.04	.10						.14						.32	.20	.18										
Indian Creek, Lock No. 6	K				T	T	.15	.12				T	2.40							.03	1.65	.07	T		.04		.40					
Irvington	I							.22	T				1.19			T	T	T		.45	.70	.20			.28		.58					
Jeffersonville	I						.01	.04				T	1.43				.55		.12		1.42		.03				.02		T			
Jonesville	S	.02			.01		.03	.14	.15				1.87	T					.10		.90	.50	.08	.05	T		.01	.05				
Kenton, Lock No. 5	K	.03					.10	.30				T	1.80				.02		T		1.10	.18	.01	.02		T	.18					
Kuttawa	K						.34	.10						1.42			.10	.20			1.10	.18	.01	.02		.65		10				
Lakeview, Lock No. 4 [1]	C					T	.05	.46	.10				.57		.04		.03	.25	.05		1.10	.46	.03	.07	.01			.05				
Eastern Division																																
Allard [1]	O						.33	.07					.43		.40	.04			.14	.08		.26	.86	.28	•.23	.07		.18	1.18				
Argyle	K	.03					.32	.03				.15	.26	T	.23	.06			.02		.10	.17	.34	.23	.17	.11		.07	.38		.01		
Ary	K						.05					.24	T		.11					T	.25	.25	.51	.20	.04	.18	.02	.34	.04	T	T		
Bacon Hill, Lo k No. 11 [1]	K	.05					.47	.05					.33	T					.10		.70	.20	.22	.28	.10	.03		.40	.06				
Beaver	I				T		.25						.10						.08		.10	.80	.42	.26		.12						
Bennett	I						.55	.06					1.47				.02	.19	.06		.90	.34	.03	.07			T	.05				
Bergenthal [1]	I						.29				.15		.60				.10		.10		.20	.40	.10									
Big Bone Lo k No. 10 [1]	K	T	.12		T		.54	.06			T	T	1.12				.20				.10						.46	.15	T			
Bigelow	O						.05						.60														.20					
Bigelow, Dam 26 [1]	O						.05	.11					.40		.51				.05		.36	.56	.13	.10			.21	.21				
Bigrod	K	T					.45	.05		.10	.45	.02	T	T	.72				.23	.05	.26	.76	.61	.16	T		.03					
Big Rock, Lock No. 14	K						.32				.14	.22		.57	.11				.05		.82	.15	.89	.02	.11	.05		.54	.55				
Bilton	K						.32				.22	.03		.52								.27	.44	.12	.15		.74	.45				
Binion [1]	K					.01		.01	.02	T			.57			T				.05		.80	.95	.02	.10	T		.12	.22				
Bisco	I					.07	.40	.62			.26	.12								.88			.17	.17	.15		.85	1.10	.07			
Blackburn	O							.22	.03				.52					.13	.03		.14	.28	.22	.12		.12	.02	.30				
Blackford	O						.90	.04			T		.82	T	T	T	.18	.16			.07	.41	.29	.03	.02			.01				
Blue Sterling	O						.72			1.10			.42							.80	1.10	.92	.55			1.32					
Boone Dam 3 [1]	G						.16	.14			.15		.48	.09		.15			.05		.55	.48	.35	.05			.25	.17	T			
Bradley	K						.58	.17					1.52				T		.30	.21		.30	.82	.02	T	T						
Brandenburg [1]	K						.28				.30	.24		.52				T		.02	.18	.48	.21	.24	.05		.24	.80	T			
Brookland [1]	K							.46			.38	.04		.55						.22	.11	.61	.35	.14	.24		.21	.37				
Brooks, Lock No. 12 [1]	K	T					.40		.44		.50			.44				.08		.25	.11	.61	.35	.14	.24		.21	.37				
Brooksie	K	T						.40		.20	.30		.48	.15			T			.20	.10	.60	.37		.20	.05	.05	.09				
Bryan	K						.10	.05	T	T			.02	.04						.12	.12	.45	.18	.02	.02		.55		T			
Bryantsburg [1]	G					.47	.50				.67	.02	.10									.42	.55		.10		1.22	.17	.02			
Buckeye	K						.46				.24		.56																			
Burkesville [1]	C							.31		T	.48	.11	.65						.12	.40	.33	.20	.60	.42	.10		.93	.54				
Burnside, Lock No. 1 [1]	K						.10	.02			.52	.20	.83						1.15	.18	.94	.34		.07		1.16	.48				

Except as otherwise indicated observations are generally made late in the afternoon, local sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark) Regular Weather Bureau station; precipitation is for the 24-hour period, ending 7 a. m. next day.

(1) Precipitation measured in the morning; amount here recorded is for the preceding 24 hours. • Frost-heave recorded in the next following measurement.

2 Separated dates of rain not recorded. T Trace, or less than 0.01 inch.

3 Area drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking (K) Kentucky (Ky) Salt (G) Green (C) Cumberland (T) Tennessee (O) Ohio (M) Mississippi.

4 Corn Oak.

Daily Temperatures for April, 1928.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	79	82	82	75	78	74	63	56	51	57	68	69	69	69	50	62	68	77	71	67	64	64	66	69	64	56	56	62	74	71	..	67.1
	Minimum	44	49	62	59	61	57	45	31	32	30	35	40	35	51	32	26	43	42	57	46	50	49	46	45	42	42	39	33	38	59	..	44.0
Brandville	Maximum	78	77	77	75	78	72	54	48	47	52	61	56	67	58	46	58	63	72	68	67	63	59	65	73	56	63	51	72	73	68	..	63.8
	Minimum	45	52	61	58	60	54	40	32	31	30	33	45	45	37	30	31	47	47	46	44	50	49	42	45	43	45	37	39	44	61	..	43.7
Calhoun	Maximum	77	78	77	75	76	73	63	52	51	55	65	67	68	65	49	61	65	75	73	65	65	59	68	64	63	55	55	62	73	71	..	65.5
	Minimum	46	50	61	60	62	57	40	33	32	27	36	46	46	39	32	31	45	44	55	45	50	47	45	44	40	41	39	34	43	61	..	43.6
Earlington	Maximum	76	80	78	75	78	74	65	52	47	54	64	66	69	60	46	60	68	75	74	66	65	63	64	68	60	60	52	60	75	70	..	65.1
	Minimum	45	60	65	62	62	58	45	34	33	29	37	45	38	45	32	32	26	44	45	57	45	45	45	41	43	43	39	34	43	61	..	45.0
Greenville	Maximum	75	78	77	75	77	71	63	51	50	54	63	68	69	68	50	60	70	78	78	64	64	62	67	69	60	55	52	60	72	72	..	65.6
	Minimum	28	53	60	58	53	55	40	31	32	29	36	46	36	42	31	26	43	40	56	45	58	49	45	40	43	41	38	34	38	60	..	42 9
Hopkinsville	Maximum	76	79	78	76	79	73	62	54	48	56	77	67	72	66	47	56	59	74	69	64	65	57	63	61	64	72	61	59	62	60	73	66.7
	Minimum	39	47	59	58	57	55	39	28	32	29	37	44	28	41	30	25	40	42	52	44	51	50	44	40	43	41	36	33	35	62	..	42.4
Marion	Maximum	76	77	76	76	76	69	57	51	47	54	64	66	66	66	48	60	69	74	71	66	63	61	66	68	59	56	52	65	72	70	..	64.6
	Minimum	41	57	62	56	59	50	39	31	30	27	34	45	45	38	30	30	46	44	47	42	51	46	43	43	44	41	38	33	42	57	..	43 1
Mayfield	Maximum	76	77	74	75	77	75	67	54	50	52	64	68	70	69	48	60	67	73	78	64	63	63	64	75	70	54	54	62	70	70	..	65.9
	Minimum	40	55	61	54	58	54	39	31	33	30	38	45	43	41	31	28	45	38	53	43	53	49	44	45	44	41	38	33	42	57	..	43.4
Murray	Maximum	76	81	77	78	80	73	62	53	48	55	65	67	74	67	49	61	73	75	71	65	66	60	65	75	60	60	55	60	74	68	..	66.1
	Minimum	46	48	62	58	59	55	40	31	34	30	35	41	37	41	31	27	41	38	49	45	55	51	46	42	44	40	39	34	37	59	..	43.2
Owensboro	Maximum	76	78	78	76	77	71	66	50	45	56	62	63	65	63	47	56	59	74	69	64	65	57	63	61	62	55	57	62	73	71	..	63.8
	Minimum	38	47	56	57	53	55	33	30	29	27	33	40	36	34	29	28	42	42	49	42	46	46	45	42	41	36	36	38	31	36	56	40.2
Paducah (near)	Maximum	77	77	75	76*	78	74	65	53	48	59	62	67	69	69	52	61	69	74	72	66	65	63	67	70	71	60	54	62	72	70	..	65.6
	Minimum	38	58	61	55	59	54	34	33	32	29	30	45	43	38	30	27	47	45	46	44	46	44	43	41	39	33	43	57	..	43.1		
Princeton	Maximum	76	79	75	75	78	74	63	51	45	54	64	66	69	62	46	60	69	75	71	66	64	61	65	70	59	58	52	61	73	71	..	65.9
	Minimum	38	49	61	57	58	56	39	32	31	28	35	43	38	41	30	27	43	40	48	45	49	47	43	39	43	42	37	32	34	57	..	43.4
Russellville§§	Maximum	74	79	77	74	75	66	46	55	46	53	65	67	72	54	49	62	69	75	65	64	64	64	73	61	53	52	60	72	68	..	..	42.0
	Minimum	32	44	59	57	58	57	44	29	34	30	33	42	36	40	31	25	39	41	45	46	48	54	46	41	44	42	38	34	38	47	..	41.8
Central Division																																	
Anchorage	Maximum	72	80	79	75	79	72	61	49	45	53	64	66	60	66	49	56	53	75	69	56	..	53	64	66	60	55	51	63	68	60	..	*62.3
	Minimum	37	47	58	55	55	58	38	32	28	27	35	37	31	34	29	24	35	42	55	39	..	44	42	39	39	39	39	38	34	47	..	*39.0
Bardstown	Maximum	75	82	81	71	81	74	64	51	46	54	55	67	65	61	47	60	57	78	76	64	65	63	63	64	60	60	53	51	60	69	70	68.9
	Minimum	42	46	63	62	61	59	41	32	29	27	36	37	33	33	30	25	37	42	53	44	49	48	45	49	34	32	40	34	39	58	..	42.0
Bowling Green	Maximum	77	82	81	78	80	74	65	56	55	60	69	70	75	71	51	63	69	78	72	69	67	65	67	71	66	56	58	63	71	71	..	68.2
	Minimum	42	47	57	58	57	57	44	30	35	30	41	45	38	51	31	27	41	38	50	46	51	53	47	42	44	40	37	34	37	55	..	43.8
Dix Dam	Maximum	54	79	80	75	76	76	65	50	50	52	62	64	70	60	50	54	56	78	72	63	66	61	59	61	58	53	46	57	63	69	..	62.6
	Minimum	37	42	60	59	55	58	32	40	33	31	42	48	42	29	32	42	44	43	55	43	51	49	47	43	44	43	37	34	37	58	..	43.4
Eubank	Maximum	69	76	75	75	76	78	76	71	70	75	77	63	66	65	42	65	69	71	68	65	64	66	59	61	59	58	46	42	49	58	..	65.1
	Minimum	29	42	55	59	58	61	56	36	29	31	40	37	33	40	38	27	32	39	61	45	52	53	44	40	38	35	31	31	29	52	..	41 8
Frankfort	Maximum	69	78	79	77	77	76	69	49	48	52	59	63	63	61	44	54	56	76	76	64	67	57	61	61	56	56	55	59	69	71	..	63.4
	Minimum	42	45	60	60	59	61	41	34	32	31	39	38	34	40	30	26	36	41	59	42	47	46	43	43	34	34	41	36	38	60	..	42.4
Franklin	Maximum	74	73	78	75	75	72	66	50	51	52	59	61	69	68	57	50	68	74	73	65	67	64	65	69	70	58	54	61	65	63	..	64.9
	Minimum	41	51	54	58	52	58	42	34	36	33	41	47	48	37	35	33	37	42	57	42	52	55	46	42	44	41	34	36	43	53	..	44 1
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greensburg	Maximum	73	80	80	75	78	74	59	50	46	55	61	61	68	66	48	57	59	78	72	65	67	64	67	68	61	57	53	60	69	66	..	64 2
	Minimum	40	39	56	56	52	56	41	30	30	28	38	34	30	39	28	22	31	36	57	43	50	48	43	37	36	35	32	33	39	56	..	39.8
Irvington	Maximum	73	79	77	74	77	70	62	49	45	52	63	63	63	60	45	56	56	74	69	61	64	55	63	59	59	52	50	56	69	70	..	62.4
	Minimum	44	51	60	62	61	60	39	34	33	29	37	46	38	35	31	25	44	44	58	44	48	46	44	44	38	37	40	35	41	59	..	43.5
Junction City	Maximum	73	79	80	77	76	74	72	51	47	55	60	65	65	64	47	57	58	76	73	65	65	58	63	65	64	60	50	58	67	68	..	64.7
	Minimum	39	87	60	57	53	55	42	31	32	29	39	32	29	46	29	21	29	35	61	43	49	50	43	39	35	36	36	34	43	58	..	40.5
Leitchfield	Maximum	75	78	78	74	77	70	60	50	45	53	65	65	65	45	57	62	74	69	64	63	66	63	64	59	52	59	58	67	67	69	..	63 2
	Minimum	44	49	59	60	61	57	40	30	32	29	37	42	35	40	30	27	41	40	52	44	49	48	42	39	39	38	34	39	47	58	..	42.8
Lexington	Maximum	65	77	76	73	74	74	57	45	41	53	60	60	65	62	39	52	59	74	71	66	63	55	62	64	60	52	50	56	66	66	..	59.5
	Minimum	42	45	58	60	59	57	35	32	32	28	40	44	47	40	28	30	41	41	49	39	47	45	40	40	32	37	36	36	35	41	..	41.7
Louisville	Maximum	72	79	76	74	78	70	59	47	44	51	64	63	60	57	45	55	52	75	68	61	65	59	63	66	56	53	48	59	68	70	..	61 3
	Minimum	43	47	63	64	62	58	38	34	33	29	35	48	42	33	30	31	44	42	49	40	46	48	43	44	39	38	39	38	36	60	..	43.3
Do (Cherokee Park)	Maximum	72	79	78	75	79	78	65	48	46	51	66	63	63	60	44	56	57	75	74	61	64	54	63	62	58	57	51	60	70	70	..	63.2
	Minimum	40	44	62	61	59	59	39	38	32	27	33	45	36	36	29	27	41	39	54	42	49	46	42	42	35	34	39	34	40	57	..	41.5
St. John	Maximum	75	77	78	74	77	67	60	53	47	53	66	65	61	59	46	56	56	74	70	63	63	54	63	65	61	51	50	61	67	69	..	62.8
	Minimum	41	42	58	57	55	55	37	29	30	25	34	39	33	33	27	25	35	38	55	42	52	49	44	40	32	37	36	36	35	41	..	39.2
Scott	Maximum	66	78	75	75	77	75	66	58	52	49	53	62	57	55	42	52	49	70	68	55	63	50	60	55	53	51	47	55	70	69	..	61 3
	Minimum	37	40	68	60	58	59	35	30	27	26	33	38	35	32	27	25	39	37	52	34	41	42	39	38	30	28	28	34	39	*6	..	39.3
Shelbyville	Maximum	71	80	79	74	78	75	64	50	45	52	60	64	50	59	44	54	54	74	70	61	64	54	61	66	56	53	50	58	67	69	..	61 9
	Minimum	38	41	56	55	55	57	37	29	27	24	32	34	29	35	27	22	32	38	54	37	43	43	40	38	39	38	38	31	34	54	..	38.6
Taylorsville	Maximum	70	79	79	75	78	73	63	48	45	51	61	64	62	61	43	54	55	76	70	66	65	55	60	57	56	53	48	58	68	71	..	62 1
	Minimum	39	47	59	58	56	59	41	33	31	29	35	34	30	36	30	25	35	40	66	42	47	45	42	39	32	31	30	34	32	57	..	40 5
Williamstown	Maximum	67	79	74	75	77	74	74	44	44	49	56	62	62	57	41	53	49	73	69	58	62	53	59	57	55	54	49	57	67	70	..	60.7
	Minimum	37	41	57	60	54	57	50	31	28	23	31	30	36	45	28	25	39	37	54	35	41	42	40	39	31	33	39	33	37	57	..	40.0
Eastern Division																																	
Ashland	Maximum	67	73	80	82	80	79	80	59	48	46	52	45	63	64	67	44	58	49	79	74	61	75	65	54	54	58	56	42	55	71	..	62.7
	Minimum	32	36	55	55	46	52	55	37	32	32	36	35	33	41	32	28	33	25	38	41	44	47	42	42	37	32	30	33	38	48	..	39 5
Beattyville	Maximum	71	80	81	80	78	79	72	61	44	56	52	63	63	65	51	59	55	76	75	65	74	73	57	66	61	55	52	62	74	76	..	64 5
	Minimum	34	37	45	48	45	49	42	35	30	35	39	33	30	38	31	24	28	39	54	43	51	47	43	47	37	34	34	37	39	59	..	39.6
Berea	Maximum	70	78	79	76	76	76	74	48	43	54	51	61	63	65	42	52	57	74	72	64	63	57	63	67	63	47	53	57	67	69	..	62 5
	Minimum	39	41	60	62	58	61	41	32	30	30	41	42	34	40	29	24	33	42	61	44	53	51	43	42	34	32	35	32	41	59	..	43 2
Farmers	Maximum	69	80	80	79	81	80	77	51	50	54	54	63	65	64	42	55	54	75	..	62	60	55	54	57	57	52	46	58	68	69	..	63 6
	Minimum	27	34	44	50	41	45	43	32	25	28	36	28	25	42	25	24	33	42	61	44	53	51	48	42	34	32	35	32	27	57	..	38 5
Hindman	Maximum	68	77	79	80	79	80	73	54	42	60	52	62	65	67	48	56	58	78	74	66	70	72	65	66	61	60	56	58	70	76	..	65 2
	Minimum	29	36	42	44	44	45	49	35	31	37	40	33	30	46	31	23	26	49	53	46	47	48	45	40	40	36	32	30	30	53	..	38 5
Maysville	Maximum	33	37	53	55	51	53	42	34	31	29	36	33	31	37	31	22	34	39	60	38	43	46	40	41	30	30	40	37	34	56	..	39 2
	Minimum	76	79	76	79	76	77	76	76	74	72	70	69	68	67	66	65	64	75	74	72	71	78	74	77	76	77	73	72	71	72	..	73.1
Middlesboro	Maximum	38	37	52	46	59	49	50	37	36	36	42	40	31	59	32	25	28	41	58	46	53	54	46	45	37	45	34	35	33	37	57	42 2
	Minimum	69	70	82	80	80	80	70	44	48	52	52	62	63	54	41	51	53	76	71	63	68	65	65	56	56	56	55	46	55	69	70	58 2
Mount Sterling	Maximum	34	41	52	54	48	53	30	30	29	28	37	38	31	35	27	24	31	39	59	39	44	47	40	38	30	30	38	32	36	50	..	36 7
	Minimum	71	80	81	80	79	81	73	52	47	54	66	61	51	64	57	55	56	78	69	75	76	69	65	67	59	58	57	57	59	71	69	66 7
Quicksand	Maximum	32	38	44	46	44	47	46	37	30	36	42	33	31	47	32	26	28	40	64	48	49	55	46	40	37	34	33	32	32	50	53	40 7
	Minimum	69	77	76	74	74	75	67	50	47	52	52	58	59	63	42	50	53	70	75	73	68	64	61	64	61	59	55	59	55	66	..	60 7
Richmond	Maximum	40	43	56	58	58	59	43	38	33	31	40	39	39	42	39	27	38	42	66	66	74	77	74	68	63	60	49	61	67	74	..	56 0
	Minimum	65	78	78	79	76	77	80	62	51	59	56	59	64	65	55	56	58	72	68	60	70	74	57	48	43	31	32	32	30	59	..	40 7
Sergent	Maximum	29	37	42	47	50	62	47	36	30	35	40	34	32	54	31	35	28	40	54	47	50	55	47	38	43	31	32	32	30	53	57	40 1
	Minimum	75	83	82	86	79	79	75	56	49	59	57	65	70	68	51	60	60	77	72	70	73	80	72	72	66	65	55	58	75	74	..	68 6
Williamsburg	Maximum	36	39	49	47	52	61	50	34	34	37	43	40	32	48	31	25	29	40	54	48	54	56	47	37	43	34	29	32	36	52	..	41 7
	Minimum	69	77	76	74	74	75	67	50	47	52	52	58	59	63	42	50	53	70	75	73	68	64	61	64	61	59	55	59	55	66	..	60 7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* b * etc. indicate respectively 1 2 3 etc. days missing from record

‡ R C Louisville 6 1 28 1896

1.05
NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

THE LIBRARY OF THE
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

L. XXXIII LOUISVILLE, KY., MAY, 1928 No. 5

GENERAL SUMMARY.

The month began with a brief period of warm weather, but on the 5th to the end temperatures below the seasonal average dominated. The continued low temperatures in conjunction th the dry weather that prevailed during the first two weeks, used further retardation in the growth of practically all crops. rn came up slowly and early plantings frequently showed or stands. This was due partly to bad seed as well as unfa-rable temperatures. Extensive replanting was necessary, es-cially on the heavier soils. The seeding of cotton was affected the same way, but not so seriously because of the larger ount of sunshine and somewhat higher temperature in that atively dry district. In the northeastern counties the dry ther continued throughout the month, and reached the con-ion of incipient drought. In that section pastures became rt and all early crops were much delayed. Seed bluegrass, h its short stems and poor heads, showed the effects of de-tion of soil moisture and winter injury. The heavy rains of 15-17th, which reached all parts of the State, except the theastern and southwestern counties, furnished much needed isture and greatly accelerated growth. Tobacco plants made y slow and irregular progress until the rains, after which y grew rapidly and reached transplanting size in the best s a few days before the end of the month. Setting began ut the middle of the last week. Oats showed marked im-vement after the rains. The wheat that remained, almost of it in the western counties, improved slowly but headed gularly. Its condition continued generally unpromising. cept for some irregularity in size, potatoes made satisfactory gress and were well cultivated. Strawberries were good, but wers interfered with marketing. Old clover, timothy, and lfa improved slowly, but were weedy and spotted. Alfalfa shed the cutting stage in the showery period toward the end he month, when the weather was unfit for curing. Gardens truck developed slowly, with only the cool weather vegeta-making anything like satisfactory growth.

TEMPERATURE.

The average temperature for the State, as derived from the orts of 43 stations, was 63.2°. Although this average is siderably below normal, it is still much higher than the ins of two of the last five Mays. Maxima were rather low, cially after the first week. Minima touched freezing on the and 13th at a few stations, but without injury to vegeta-. The periods of subnormal temperature were rather long, le those with temperature excess were notably short. The mes for the State were 94° at Quicksand on the 3d and at Farmers on the 8th.

PRECIPITATION.

s determined from the records of 82 stations, precipitation the State averaged 3.55 inches, which is 0.42 inch less than mal. Its outstanding feature was the remarkable regional ation. In the northeastern counties near the Ohio River total for the month was about 1.5 inches, while directly ss the State in the border counties it was 6.0 inches or e. Marked local irregularities also appear, especially in the ral districts, where amounts at nearly stations differed by to 3.0 inches. Over most of the State amounts ranged be-n 3.0 and 5.0 inches. Light scattered showers occurred on a few days in the first two weeks. Moderate to heavy rains prevailed generally over the State in the period 15th-22d and again from the 25th to 27th. These were very heavy locally on the 17th, 18th and 26th. Thunderstorms were reported on the 11th, 16th, 17th, 18th, 19th, 21st, 25th, 26th, 27th and 30th. Precipitation on these days was 0.94 inch at Maysville and 6.99 inches at Williamstown.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind.† Total movement	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction	Date.
Cairo ..... Ill.	29.96	30.34	12	29.56	27	5892	7.9	27	sw.	4
Cincinnati ..... Ohio	29.98	30.48	13	29.59	27	4642	6.2	20	nw.	7
Evansville..... Ind.	29.98	30.40	12	29.62	27	5782	7.8	39	sw.	13
Lexington ..... Ky.	29.97	30.40	13	29.58	25	8304	11.2	25	nw	1
Louisville ..... Ky.	29.98	30.41	13	29.60	25	6647	8.9	29	nw.	5

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	74	54	53	304.2	439.0	69	14	2
Cincinnati ..... Ohio.	66	46	49	319.4	444.0	74	16	2
Evansville ..... Ind.	67	46	51	323.0	441.4	73	18	1
Lexington ..... Ky.	69	56	..	273.7	441.4	62	12	5
Louisville ..... Ky.	73	48	56	308.6	441.4	70	13	4

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	No. of days with .01 in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	63.6	− 2.0	94	28	4.03	+0.06	..	..	..	..	....
1890...	63.9	− 1.7	93	32	4.22	+0.25	..	..	..	..	....
1891...	62.6	− 3.0	90	29	1.78	−2.19	..	..	..	..	....
1892...	64.6	− 1.0	90	36	5.49	+1.52	..	..	..	..	....
1893...	63.2	− 2.4	96	37	5.59	+1.62	..	..	..	..	....
1894...	64.5	− 1.1	99	32	3.54	−0.43	..	..	..	..	....
1895...	63.9	− 1.7	99	29	3.16	−0.81	8	12	10	8	....
1896...	72.2	+ 6.6	106	42	5.34	+1.37	11	14	11	6	....
1897...	61.4	− 4.2	92	32	3.27	−0.70	10	15	9	7	T.
1898...	67.6	+ 2.0	93	31	4.52	+0.55	10	14	11	6	0.2
1899...	68.8	+ 3.2	94	42	4.79	+0.82	11	11	12	8	0
1900...	66.3	+ 0.7	96	29	3.49	−0.48	10	15	8	8	0
1901...	63.7	− 1.9	97	34	2.65	−1.32	10	12	9	10	0
1902...	70.0	+ 4.4	98	35	3.55	−0.42	9	17	9	5	0
1903...	68.0	+ 2.4	98	39	3.09	−0.88	8	15	16	6	0
1904...	65.0	− 0.6	98	33	3.05	−0.92	10	14	9	8	0
1905...	68.0	+ 2.4	95	38	5.23	+1.26	11	12	9	10	0
1906...	69.5	+ 3.9	95	31	2.54	−1.43	9	16	7	8	T
1907...	61.3	− 4.3	93	30	5.07	+1.10	12	12	7	12	0
1908...	66.7	+ 1.1	96	28	4.34	+0.37	12	13	8	10	0
1909...	63.9	− 1.7	93	27	4.64	+0.67	12	13	7	11	T
1910...	61.1	− 4.5	89	30	4.81	+0.84	12	13	6	12	0
1911...	69.4	+ 3.8	105	29	2.46	−1.51	5	22	5	4	0
1912...	68.7	+ 1.1	97	37	4.53	+0.56	10	16	6	9	0
1913...	66.1	+ 0.5	99	29	2.92	−1.05	8	16	7	8	0
1914...	66.5	+ 0.9	103	32	2.16	−1.81	5	20	6	5	0
1915...	63.2	− 0.4	95	35	6.62	+2.65	15	9	8	14	0
1916...	67.2	+ 1.6	98	33	4.02	+0.05	9	14	9	8	0
1917...	58.9	− 6.7	92	30	3.43	−0.54	10	12	8	11	0
1918...	69.4	+ 3.8	97	28	4.29	+0.32	8	16	8	7	0
1919...	63.9	− 1.7	95	35	6.05	+2.08	14	9	8	14	0
1920...	64.2	− 1.4	94	32	4.08	+0.11	11	13	7	11	0
1921...	65.9	+ 0.3	97	32	2.45	−1.52	8	16	8	7	0
1922...	67.9	+ 2.3	94	35	3.87	−0.10	10	14	10	7	0
1923...	63.9	− 1.7	91	27	3.98	+0.01	13	11	8	12	T
1924...	59.9	− 5.7	92	34	5.64	+1.07	14	10	9	12	0
1925...	61.2	− 4.4	98	28	2.61	−1.36	8	16	8	7	T.
1926...	66.2	+ 0.6	101	31	2.36	−1.61	7	17	8	6	0
1927...	68.7	+ 0.1	93	31	7.41	+3.47	16	10	11	10	0
1928...	63.2	− 2.4	94	29	3.55	−0.42	9	15	7	8	0

Climatological Data for May, 1928.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	24	66.9	− 0.4	91	10	36	8	45	5.80	+1.57	2.02	0	12	22	0	9	s.	Mrs. Lena F. Taylor.
Brandyville	Ballard	445	46																	
Calhoun	McLean	437	24	65.4	− 1.7	88	10	41	8	41	3.35	−0.61	0.84	0	9	12	17	2	ne.	W. A. Taylor.
Carlington	Hopkins	420	38	65.8	− 1.4	89	10	35	8	43	3.52	−0.89	0.74	0	11	20	2	9	sw.	Brick Southworth.
Greenville	Muhlenburg	519	11	64.8	+ 0.1	89a	3†	39a	9	44a	3.98	−0.54	0.81	0	12	16	7	8	se.	C. R. Lovell.
Hopkinsville	Christian	571	30	66.0	− 0.7	86	10	41	8	38	3.19	−1.07	0.85	0	8	13	9	9	nw.	W. E. Graves.
Marion	Crittenden	364	19	66.6	+ 0.4	87	10†	41	8	40	3.42	−1.17	1.10	0	7	12	15	4	nw.	B. C. Paris.
Mayfield	Calloway	412	2	65.4		87	3†	36	8	44	2.21		0.80	0	6	16	9	6	s.	Mrs. C. R. Sowell.
Murray	Calloway	479	31	63.3	− 2.3	89	10	38	8	41	4.33	+0.62	1.64	0	8	17	4	10	s.	Harry B. Arnold
Owensboro	Daviess	479									4.22		1.63	0	8					Henry S. Berry
Owensporo, Dam 46	Daviess	479									2.69	−1.48	0.55	0	10	17	5	9	se.	George McGlemary.
Paducah (near) §	McCracken	316	11	67.0	+ 0.4	90	10	37	8	42	2.60	−1.40	0.65	0	11					J. W. Lilley
Paducah	McCracken	341	29																	Frank L. Brown.
Princeton	Caldwell	529	24	64.0	− 2.7	87	3†	39	9	42	4.92	+0.31	1.02	0	12	15	4	12	n.	Dr. W. L. Cash.
Ramsey, Lock 2 ‡	McLean	384	11								3.33	−0.51	0.72	0	9					Thos. L. Wetzell.
Russellville	Logan	590	17	64.9	− 1.0	90b	3†	38c	9	45c	3.95	+0.06	1.10	0	9	19b	1b	9b	s.	Wm. Shelton.
Uniontown, Dam 40	Union	314									6.01		1.02	0	11					E. H. Morris.
Central Division.																				
Addison, Dam 45	Breckinridge	352									4.23		1.73	0	9					C. L. Moore.
Anchorage	Jefferson	700	27	61.6	− 2.6	88	10	34	8	46	3.82	−0.52	1.91	0	7	20	1	10	sw.	C. E. Barret.
Bardstown	Nelson	637	31	62.8	− 3.2	90	10	37	9†	44	4.23	+0.59	1.67	0	10	20	2	9	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	503	39	66.0	1.4	93	10	40	8	45	3.32	−1.09	1.15	0	10	16	7	8	w.	Mrs. Lillie G. Causey
Bowling Green, No. 2	Warren	459	8								3.41		1.07	0	8					J. Frank Thomas.
Brownsville, Lock 6	Edmonson	410	11								5.40	−0.10	1.83	0	11					Virgil M. Whalin.
Burnside	Pulaski	773	87								5.11	+1.12	1.72	0	8					T. A. Lewis
Carrollton, Lock 1	Carroll	422	29								4.16	+0.03	1.79	0	9					Shelby Angel.
Cloverport	Breckinridge	422	14																	W. A. Cockerill.
Cold Spring, Dam 38	Campbell	489	2								1.07		0.25	0	10					W. L. Petchell.
Dix Dam, Burgin	Mercer	770	4	63.0		88	4	39	8†	41	3.32		1.05	0	9	16	9	6	w.	G. D. Glass.
Eubank	Pulaski	1177	34	62.4	− 1.6	88	3	37	9†	42	2.70	−1.68	1.20	0	6	19	5	7	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	86	63.2	− 2.0	87	4	38	13	40	3.24	−0.38	1.80	0	9	20	3	8	s.	Sidney Wood.
Franklin	Simpson	591	33	65.5	− 1.2	91	9	39	8	50	5.65	+0.65	1.10	0	8	21	6	4	w.	M. E. Johnson.
Gest, Lock 8	Henry	449	17								3.82	+0.07	2.00	0	10					Albert Purvis.
Glasgow	Barren	780	7																	Dr. Pidella Edwards.
Grant, Dam 33	Boone	506	3								1.06		0.25	0	12					Bert Rose.
Greensburg	Green	881	35	61.2	− 3.6	85	3†	32	13	49	4.80	+0.46	1.71	0	13	7	0	24	sw.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	550	26								2.85	−1.00	1.05	0	6					Miss Lulu Wood.
Irvington	Breckinridge	646	30	63.0	− 2.9	85	3†	40	8	32	3.68	−0.10	1.62	0	8	17	5	9	sw.	W. J. Piggott.
Ingleton City	Boyle	965	34	61.2	− 3.4	87	4†	39	12	44	3.51	−0.56	1.50	0	9	18	9	4	sw.	William E. Grubbs.
Lancaster	Garrard	1032	2								2.92		1.04	0	7					L. J. Vaulhook.
Leitchfield	Grayson	685	32	63.9	− 1.2	87	4†	40	8	37	4.48	+0.38	1.44	0	7	15	10	6	sw	H. H. Willis.
Lexington	Fayette	989	44	62.2	− 2.1	85	3	38	8	32	2.12	−1.40	1.24	0	7					U. S. Weather Bureau
Limekiln Lock 8†	Jessamine	525	17								2.89	−0.82	0.98	0	8					Horace Canter.
Lockport, Lock 2	Henry	476	18								3.61	+0.18	1.83	0	12					Andrew J. Keenan.
Louisville	Jefferson	526	55	63.7	− 2.9	87	10	41	8	33	5.68	+1.91	2.78	0	9	10	13	8	n.	U. S. Weather Bureau.
Louisville (Iroquois Park)	Do	534	18	62.3	− 2.8	86	3	38	8	37	6.58	+2.62	3.55	0	10	17	6	8	ne.	Wm. Hiatt
Mumfordville	Hart	600	3								2.85		1.48	0	8					C. R. Richardson.
St. John	Hardin	777	32	61.4	− 2.9	87	10	35	8	43	5.13	+1.06	1.56	0	10	20	4	7		Sisters of Loretto
Salvisa, Lock 6¶	Mercer	496	14								3.56	+0.35	1.50	0	7					Ernest M. Searcy.
Scott ¶	Kenton	900	26	60.8	− 2.6	86	10	35	13	37	1.20	−2.78	0.31	0	9	8	11	12	n.	E. B. Wilson
Shelbyville	Shelby	825	39	65.4	− 4.2	88	10	32	13	45	3.83	−0.19	1.95	0	12	16	5	10	sw.	Miss Ruth Ratts,
Taylorsville	Spencer	489	26	61.4	− 3.2	87	10	32	13	46	3.48	−0.10	1.38	0	8	14	9	8	s	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	525	10								2.29	−1.25	0.90	0	7					H. K. Vaughn.
Williamstown	Grant	948	28	62.4	− 1.2	89	10	35	13	36	1.77	−1.79	0.75	0	12	14	11	6	w.	Mrs. E. S. Hamlong.
Woodbury, Lock 4 ‡	Butler	538	11								4.66	0.62	1.56	0	11					J. C. Stinson
Eastern Division.																				
Ashland	Boyd	534	11	62.6	− 1.9	89	5	39	2	41	2.18	−1.77	0.91	0	10	10	0	12	s.	Curtis Jarvis
Beattyville	Lee	650	24	62.0	− 2.2	90	4†	34	13	49	3.69	1.14	1.11	0	7	12	6	14	n.	Robert S. Smallwood
Berea	Madison	1050	26	61.8	− 3.4	86	4	36	8	39	3.82	−0.24	1.76	0	8	6	23	2	nw.	Samuel M. Mayfield.
Cornish Hill, Lock 11	McLean	631	18								3.75	−0.22	2.00	0	8					Kelly Worden
Cynthiana	Harrison	684	10								3.52	+0.26	1.68	0	10					D. H. Esher.
Falmouth	Pendleton	600	89								2.45	−1.07	1.05	0	12					J. V. Oldham.
Farmers	Rowan	668	26	59.6	− 3.2	89	3	29b	8	52	4.41	+0.58	2.32	0	7	14	8b	7b	e.	Mrs. R. P. Stamper.
Flemingsburg	Fleming	841	3								2.63		0.91	0	6					C. A. Glascock
Ford, Lock 10¶	Clark	843	12								2.41	−0.55	0.75	0	10					John A. Waiters.
Grayson	Carter	569	3								3.03		1.07	0	7					G. Frank Bowers.
Greenup, Dam 30	Greenup	540	8								1.72		0.60	0	7					T. Mitchell.
Hazard	Perry	869	4								3.61		1.16	0	11					Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	664	11								3.00	0.88	1.08	0	7					S. C. Cole.
Hindman	Knott	1032	3	62.0		91	4	32	13	52	2.95		1.61	0	8	14	8	9	e	Carl Napier.
Jamans	Letcher	1066	3								5.65		2.06	0	10					R. R. Davidson.
London	Laurence	584	24								2.86	1.21	1.80	0	6					Rossina Copley
Maysville	Mason	524	31	60.8	− 3.5	89	10	32	8	45	6.04	+2.03	2.95	0	11	13	9	9	s.	Perry E. Perrett
Middlesboro	Bell	1128	32	64.5	0.6	93	12	33	13	56	5.76	+0.92	2.12	0	6	19	10	2		Matthew Woodson.
Mount Sterling	Montgomery	950	38	61.6	− 2.5	88	4	36	8	42	3.49	−0.75	2.25	0	7	17	3	11	w.	W. R. McKee.
Onoonta, Dam 35	Campbell	497	6								1.48		0.92	0	10					Andrew M. Stamforth.
Pikeville	Pike	636	22								4.63	+1.56	1.12	0	9					Robert Repose.
Prestonsburg	Floyd	649	3								3.42		1.30	0	7					P. C. Hall
Quicksand	Breathitt	752	3	62.8		94	3	34	9†	54	3.16		0.93	0	8					R. W. Jones.
Rockcastle, Lock 12	Estill	631	10								2.70	−1.44	1.18	0	6					Walter P. Bush.
Richmond	Madison	926	37	64.4	− 1.2	93	3	38	8	41	3.42	−0.16	1.92	0	7	20	2	8		J. W. Crooke.
Sandgap	Jessamine	1235	5	61.7		90	4	34	6†	49	5.81		2.66	0	10	16	7	8	sw	R. P. Crawford.
Somerset	Pulaski	744	15								3.24	−0.33	1.48	0	9					Thos. Sullivan.
Spring View, Lock 9	Madison	544	15								1.31	2.58	0.25	0	9					H. M. Famuli.
Stanfordsburg, Dam 52	Lewis	525	13								1.61		2.40	0	10					G. H. Zimmerman.
Whitesburg	Letcher	1142	3								6.39	+2.89	2.18	0	9	23	8	0		Laurence R. Uhl.
Williamsburg	Whitley	929	31	63.9	− 1.9	92	4	34	9†	49	8.39	0.48	1.45	6	5					W. C. Combs.
Willow, Lock 13	Lee	611	9								3.55	−0.12	3.55	0	9	16	7	8	s.	
State averages and extremes				63.2	− 2.4	94	3	29	8	56										

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are included in determining extremes and means. ‡Ramsey, Brownsville and Woodbury are Lock 5 on the Green River; other Locks are on the Kentucky River.

Reference letters, a, b, c, etc., refer to footnotes 2 in means and summaries. † Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

a Also on other dates. b Reported too late to be included in means and summaries. †Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

a Also on other dates. b Reported too late to be included in means and summaries. †Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

a Also on other dates. ** Reported too late to be included in means and summaries. ‡Locks 4 Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

¶ Post-office addresses—Lock 5, Georgetown, Ky.; Lock 8 Versailles, Ky.; Lock 4 Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

May 27. Hail damaged for destroyed strawberries near Pembroke, Christian County.

MISCELLANEOUS.

Many [illegible] throughout the State during the month. Some tobacco plantbeds were also ruined.

[illegible] Rear Admiral [illegible] visited the sitting room of [illegible] Ohio, which were rather high at the beginning of the month.

[illegible] Near Smithville, Jessamine County, a [illegible] killed by lightning fell on him [illegible] practically to pod stage toward the close.

Daily Precipitation for May, 1928.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
aver Dam ‖ G					.39										.04	.80	.01	.40	.63	2.02				.25		.01	.60	.76		.55			
bion G				T.	.48						T.				.05	T.	.44	.84	.56	.03		.03				T	T	.42		.54			
rrollton G					.05							.02			.35	.24		.28	.74	.14	.80	.35				.05	.07	.52	.04	.06	T		
ntonville C					.20						.04				.62		.16		.21	.05	.06	.42				.10		.50		.02			
ownsville M					.28										.19	.04		.11	.85	.04	.06	1.35	.04				.08	.61		.02			
rton O				.20							T.				.16		T		.62	.05	.29					.05			.04		.10		
rfield M															.35					.70	.15	.45				.40	.04		T				
ray T				T.													.46	.85	.16	.10	.50	.80				.05							
nersboro O					.20							T.				.11	.84	T	1.64	.62	.12					T	.03	.78			T		
nsboro, Dam 16 ‖ O					.27										T.	.47		1.54	.46	.12	.02					T	.16	.75					
brush Creek ¶ O					.15										.20			.32	.65	.43	.22	.51				.16			.60				
Bend ‖ O					.04										.23	T.			.65	.13	.06	.48	.45				.02			.67	.05	T	
nerson G				.38							T.				.45		.11	1.02	.56	.41	.21	1.60				.25	.01	.45		.05	T		
nsaw, Lock No. 2 ‖ G					.12										.08	.56		.67	.72	.68		.02					.54		.04				
sellville ‖ G					.48											.04		.09	.76	.35		.80					1.10	.03	.02				
nontown, Dam 49 ‖ O					.05										.55	.30	.02	1.02	.55	.02	.08	.02					1.02		T				
General Division																																
dison, Dam 45 ‖ O					.20							T.			T.	.38	.03	.66	1.73	.51					.02	.24	.51					
cherage O											T.				T.		1.91	.54	.13						42	.16	.13		.09			
rlstown S					.06	.05										.03	.10	1.57	.10	.35						.50	.07	.04					
wling Green G					.10	.10										.10		.50	.75	.40	.02	T			T		1.15	.15	.05	T.			
wling Green, No. 2 ‖ G					.10	T										.02		.25	.49	1.07	.06							.43	T.			
wsville, Lock No. 6 ‖ G					.16	.09										.10		.10	.66	1.83	.08						.50	.52		.05	.02	T	
nside ‖ C												.06						.13	.32	1.26	1.72		.20			.55	.88	T					
nsville ‖ (Lock No. 1) K					.25												.36	.63	.28	.06						1.59	.30			.50	.10		
sville O																																
d Spring, Dam 38 ‖ O					.16	.01						.12				.07	.11	.06	T	.09					T	.62		T		.15	.25		
e Dam, Burgin K				.10	.10											.21		1.05	.67	.16					.05	.87	.22					
bank C												.24						.22	1.20	.53	.11					.40							
nfield K					.05	.03					T.					.05	.06	1.80	.73	T.					T.	.35	.10	.02		T			
nfield G																.90	.56	1.10	.25		.10				.70	.06						
s, Lock No. 3 ‖ K					.03	.04						T.				T	.10	2.40	.34	.07						.04	.27	.18	.19			T	
sport G																																
nt, Dam 38 ‖ O	T.				.17	.03						.08						.27	.05	.06	.11				.03	.25	.02		.01	.02		
nsburg G	T.				.06	.14										.06	.01	.62	1.71	.82	.40		T			.26	.55	.05	.01	.01		
gh Bridge, Lock No. 7 ‖ K																	.20	.59	.47						.08	1.65	.06					
lington O					.19						T.				.59	T.	1.62	.93	.14						.09	.07	.65		T			
nston City G					.11											.03	.43	1.50	.03		.02					1.10	.14				12		
nsville K						.06												.51	1.04	.15						.94	.20				02		
ington *** K					.06						T				.80		.66	1.44	.65	.20					.23	.05	.81		T			
e Buckman, Lock No. 8 ‖ K						.10						T				T.	.98	.45	T					T	.58	.15	.03			.05		
sport, Lock No. 2 K				.02	.11						T				.01	T.	1.83	.40	.02						.08	.62	.19	.20		.03	.03		
rsville *** O					.15						T				.84	T.	2.77	.57	.02							.84	.09	.17			.06		
o, (Shawnee Park) O					.22						T				.25	.03	3.55	.74	.00						.70	.13	.04			.25		
nfordsville G					.15											.05		.44	.40	1.48						.09	.14	.30					
dam S					.20	.08					T.				.26	.23		.75	1.50	.49						.75	.50	T	T				
sa, Lock No 6 ‖ K					.12	.14					T.					T.	.15	.60	.60							1.50	.25			T			
tt L					.18																											
ly-ville ‖ S					.18	.12	T.				.12				T.	.05	.31	.20	.65					T	.12	T	.10		.07			
rsville S					.13						T.				T.	.01	1.93	.55	.04						.05	.34	.02	.10	T	.14	T		
one, Lock No. 5 K				T												.02	1.38	1.69	.12					T	.56	.38	.04		T			
lliamstown L																.04	.80	.50	.01						.01	.18			.13			
dbury, Lock No. 4 ‖ G	T.				.10	.05					.01					.03	.16	.40	.08	.01					.03	.75			.11	.01		
Eastern Division					.30										.17	.27		.22	.33	1.55	.04				.01	.10	.00		.06	T		
land ‖ O																																
tyville ‖ K						T.					.10					.04	.18	.04							.13	.93	.16	.15		.03	.38		
ta K											T				T.	T.	.26	1.11	.23						.09	1.07	.19			T	.05		
ce Hill, Lock No. 11 ‖ K					.04						T.				T.	.57	1.56	.38							.53	.99	.17		T	.08			
tsburg L						T					.02				T.	.20	.56	.60	.15						.02	2.00	.25	T			T		
mouth ‖ L				T		.08					.09				T.	T.	.62	1.20	.98	T					.10	1.58	.10	.03		.04			
mers ‖ L					.05	.04					.03					.02	.11	.25	.05	.02					.08	1.85				.03	.22		
Courtney ‖ L																	.38	.88	.14						1.12	2.28	.44			.28			
d, Lock No. 10 ‖ L					.25						.35					.35	.62								.91					.30			
ysen O						.06						T.				T.	.47	.75	.50	.02					.05	.65	.18	.03		.03	T		
ump, Dam 36 ‖ O																		1.05	.06						.05	.89	.28	.05		.03			
ard K		.07				.02						.00					T.	.20	.50	T					.12	.00	.06	.00		.04			
lberg, Lock No. 14 ‖ K												.15					.05	.11	.48	.16	.12					.53	.71	.04		.03			
mien K					T													.56	.04	.24					.10	1.08	.15			.15			
ton ‖ K											.03							.44	1.01	.04	T				.16	.10			.04	.03			
sa B						.06	.07											2.06	.75	.79	.19			.06	.84	.77					.06		
sville																	.12	.72							.21	1.50	.20				.11		
Osborn C						.03						.07				.01	.02	.25	.05	T					.09	.25		.08		.05	.04		
n Sterling L							.13											.66	1.04	.42		.19					.02	.12			.10		
onia Dam 35 ‖ O							.06									.02	T.	2.25	.2						T.	.70	.14		T	.07		
ville B	T.				.14	.09						.16				T.	.20	.05	T.	T					.32	.59		.02	.12		.16		
Osburg ‖ B												.38					T.	.58	.24	.08				.56	1.31	.72	.48		T		.08		
Sound K												.06						.96	.71	.20					.32	1.40	.11						
nna, Lock No. 12 ‖ K						T						.26						.48	.64	.26				.14		.06	.24						
mond K												T.					T.	.18	.90	.13					.12	1.15	.26				.15		
ent K							.02									T.	.12	.42	.62	.35					.14	1.62	.18	T					
ey View, Lock No. 9 ‖ K																		2.66	.95	.20	.03	.15			.62	.60	.65	.01					
lsburg, Dam No. 32 ‖ O					.06						.03					.03	.80	.55	.05						1.48	.20			.04			
lsburg ‖ K											.22						.16	.11	.10	.02					.09	.25	.14		.22			
tsburg C							.02				.10							.70	2.40	.85	.20		.51			.55	.70	.02		T			
ow, Lock No. 13 ‖ K											.09							.11	.66	2.18	.81	.26	.89			.20	.10						
																		.60	.55	.20				.10	1.45							

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

* Reference mark *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. † Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking (K) Kentucky (G) Salt (GG) Green (C) Cumberland (T) Tennessee (OO) Ohio; (M) Mississippi.

¶ Lone Oak

ERRATA.

December 1927: Hindman precipitation on 7th, .76; on 8th, 2.15; on 12th, .90; total from normal —6.5. April 1928: Lexington precipitation on 27th, .04; total for month, 2.78; departure from normal, —.95; section average precipitation, 5.62. Annual average, days partly cloudy, 146; clear, 110. Extreme highest temperature, 97 on 5th. Mean mean temperature, 57.71. Mean daily lowest temperature, 25 on [illegible]

Daily Temperatures for May, 1928.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	75	83	90	87	82	73	69	73	84	91	86	68	77	84	76	77	82	83	84	79	84	81	81	78	80	72	77	74	76	85	81	79.7
	Minimum	49	42	60	57	52	43	48	56	39	48	56	43	39	51	59	61	63	62	68	60	56	61	57	51	59	45	53	49	49	55	60	52.1
Blandville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Calhoun	Maximum	75	82	86	83	76	73	67	74	84	88	83	68	78	82	76	76	76	77	78	75	78	80	79	76	75	72	73	71	75	83	77	77.3
	Minimum	50	45	52	60	51	45	48	41	43	50	61	44	43	61	77	77	81	84	76	78	78	69	79	79	77	76	72	75	73	72	68	81	78.1
Earlington	Maximum	74	82	88	85	73	73	73	78	71	82	89	80	69	77	81	77	77	81	84	76	78	78	79	79	78	75	74	73	74	75	72	..	82	*77.8
	Minimum	51	43	50	60	53	42	48	35	40	50	63	45	38	53	60	63	65	66	66	61	55	61	59	52	61	44	55	46	45	57	63	*53.5
Greenville	Maximum	73	80	89	85	75	71	70	71	83	89	86	86	77	80	72	75	78	82	74	76	79	79	78	75	74	73	74	75	72	..	83	*77.8
	Minimum	47	42	47	54	51	44	46	40	39	49	59	44	40	51	59	60	64	62	64	60	56	60	58	56	60	45	54	48	48	..	58	*51.8
Hopkinsville	Maximum	73	82	89	90	77	74	67	73	83	89	84	70	80	79	75	77	83	82	73	77	80	76	78	76	73	74	75	71	73	83	84	78 0
	Minimum	47	42	47	51	50	44	46	40	39	46	58	46	42	54	58	59	62	60	62	60	54	58	57	49	54	44	52	46	48	58	61	51.8
Marion	Maximum	74	86	85	90	73	74	67	76	80	86	80	69	80	79	74	76	79	80	77	81	79	77	76	73	71	75	74	73	74	84	79	77.0
	Maximum	74	86	86	90	78	77	70	77	84	90	77	73	83	80	72	80	84	83	80	80	78	79	79	77	79	73	77	79	77	85	85	79.3
	Minimum	48	50	62	62	50	50	58	41	50	58	61	45	42	62	59	63	63	64	64	62	58	60	60	58	62	59	42	54	48	58	58	55.1
Paducah (near)	Maximum	84	86	86	89	78	77	70	77	84	90	77	73	83	80	72	80	84	83	80	80	78	79	79	77	79	73	77	79	77	85	85	79.3
	Minimum	56	46	55	61	52	44	48	37	48	54	64	49	45	54	61	64	65	66	63	60	58	60	58	55	60	47	55	45	52	60	62	54.7
Princeton	Maximum	74	81	87	83	72	72	66	70	81	87	78	67	76	79	76	78	79	82	77	76	76	77	76	74	71	74	69	73	81	78	76.3
	Minimum	45	42	48	53	51	43	46	41	39	46	56	46	42	62	58	58	63	66	63	59	56	59	58	52	56	46	52	46	50	54	61	51.7
Russellville§§	Maximum	73	82	90	86	69	72	72	73	83	90	83	..	..	83	70	78	85	86	75	78	81	76	77	76	74	75	75	71	76	82	82	78.6
	Minimum	50	42	47	51	53	41	46	48	38	47	59	46	..	..	40	60	62	62	62	59	62	64	..	50	50	45	46	49	46	52	61	*51.4
Central Division.																																	
Anchorage	Maximum	71	81	87	86	69	69	65	65	82	88	79	65	71	80	69	75	69	69	76	77	82	83	78	72	77	64	70	67	77	77	77	74.7
	Minimum	46	40	47	51	47	39	42	34	36	47	55	39	38	46	54	61	60	58	59	57	54	59	62	50	57	40	48	48	45	58	43	48.6
Bardstown	Maximum	73	81	89	87	69	70	66	72	81	90	82	68	75	84	72	77	72	67	73	78	83	84	78	74	80	62	72	70	72	78	78	76.0
	Minimum	46	41	46	52	55	41	42	38	37	46	56	41	37	45	61	60	63	59	69	58	53	54	56	54	66	44	56	46	45	53	49	49.7
Bowling Green	Maximum	77	87	90	89	84	73	70	78	86	93	89	71	82	83	77	81	87	86	75	77	84	80	82	76	76	72	69	74	74	85	80	80.3
	Minimum	47	44	49	54	53	47	47	40	42	49	63	53	47	51	70	83	74	71	72	77	70	82	77	71	78	58	70	73	70	75	78	75.6
Dix Dam	Maximum	71	79	87	88	87	65	63	71	80	87	82	63	71	81	70	83	74	71	72	77	80	82	78	74	74	71	73	72	70	74	74	74.7
	Minimum	50	41	46	49	49	40	48	39	39	49	53	48	41	44	64	61	62	61	60	62	54	58	57	45	60	48	52	52	47	56	48	50.4
Eubank	Maximum	70	78	88	84	76	63	62	69	79	86	65	68	73	70	74	75	81	83	80	76	81	82	81	77	68	71	73	70	71	76	76	74.4
	Minimum	48	39	46	54	61	39	43	39	37	45	56	43	41	43	45	59	62	64	65	64	61	58	58	54	59	42	55	52	49	42	46	50.8
Frankfort	Maximum	70	77	85	87	84	67	66	71	78	85	86	69	70	79	78	77	76	76	76	76	80	83	82	81	77	66	71	70	71	76	76	76.2
	Minimum	50	41	45	50	50	42	43	41	40	47	55	44	38	48	53	60	61	60	58	60	55	61	48	47	57	46	53	51	48	56	47	50.1
Franklin	Maximum	71	84	88	87	85	69	70	74	91	85	70	77	76	74	75	72	66	81	76	77	78	76	76	77	75	76	77	73	88	84	78	78 1
	Minimum	52	44	48	52	52	44	47	39	41	60	47	43	51	62	64	62	64	64	57	61	61	50	51	48	48	49	61	49	66	61	63	52.9
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Greensburg	Maximum	72	80	88	88	82	64	62	64	82	88	85	65	76	82	75	77	83	80	64	77	82	80	78	78	74	71	72	70	64	80	79	76.8
	Minimum	46	37	41	46	48	35	42	35	33	41	48	42	32	40	52	58	60	56	54	57	52	56	57	44	50	44	49	47	43	46	51	46.5
Irvington	Maximum	70	78	85	85	80	69	64	71	76	81	72	69	65	77	77	68	68	66	66	74	77	81	79	71	74	63	70	65	72	76	76	72.8
	Minimum	50	46	55	60	51	46	46	40	42	52	56	44	42	49	59	62	63	62	62	60	59	62	60	49	61	49	54	51	48	58	55	53.1
Junction City	Maximum	72	79	85	87	82	66	65	71	81	87	86	65	74	79	76	77	81	74	71	79	82	83	77	73	79	71	71	70	71	78	79	76.6
	Minimum	59	37	41	45	48	39	41	35	37	43	51	38	36	40	44	52	50	55	60	58	50	54	54	40	49	47	48	47	42	49	46	45.9
Leitchfield	Maximum	70	80	86	87	78	68	64	61	81	87	83	63	74	80	70	74	81	75	71	77	80	80	77	73	74	67	72	68	72	79	76	75.5
	Minimum	49	45	56	55	50	44	45	40	44	51	58	43	41	46	58	62	62	61	61	58	55	61	58	48	58	47	51	50	47	54	58	52.3
Lexington	Maximum	67	76	85	83	68	63	61	67	76	83	76	60	68	78	75	75	68	69	71	73	79	80	72	67	72	61	67	64	67	71	74	71.5
	Minimum	50	55	60	66	47	51	40	38	52	62	49	41	44	46	68	61	60	60	60	59	60	62	50	42	52	46	52	50	46	52	54	52.8
Louisville	Maximum	70	80	85	84	70	67	64	71	81	87	78	62	69	78	68	74	70	70	75	78	79	82	75	72	74	68	69	66	70	76	76	73.3
	Minimum	53	50	58	65	49	48	44	41	48	60	50	42	42	49	58	63	61	63	61	61	59	64	58	51	57	52	53	53	52	55	56	54.1
Do. (Cherokee Park)	Maximum	70	81	85	84	82	67	65	69	77	85	85	61	69	76	76	73	72	67	74	74	77	80	79	73	72	62	68	68	68	73	73	73.5
	Minimum	50	44	50	55	48	44	42	38	41	51	58	40	39	45	58	60	60	58	58	60	55	61	55	46	59	48	50	50	49	56	49	50.9
St. John	Maximum	73	78	85	84	66	66	65	70	80	87	82	65	73	80	71	74	77	72	75	78	80	80	77	73	78	65	70	69	72	80	78	74.8
	Minimum	47	40	46	50	46	43	42	35	37	44	53	39	35	45	52	57	59	57	57	56	51	60	55	44	52	42	49	47	44	52	50	48.1
Scott	Maximum	66	78	85	85	76	65	63	69	78	86	77	60	66	75	74	73	76	73	76	72	78	81	72	67	67	62	70	65	70	70	73	72.3
	Minimum	51	45	48	60	47	41	39	38	42	54	53	39	35	45	53	60	61	60	60	59	52	57	56	43	55	45	43	49	48	52	48	49.4
Shelbyville	Maximum	70	80	87	86	78	67	64	70	80	88	81	64	71	79	73	76	78	71	71	76	80	83	76	71	76	61	69	67	71	76	76	74.5
	Minimum	43	37	46	46	45	38	38	35	35	44	50	37	32	42	58	59	59	57	57	57	57	61	58	51	60	44	54	39	48	44	62	46.4
Taylorsville	Maximum	70	77	85	86	77	66	64	70	81	87	78	63	71	79	73	76	78	76	75	78	81	84	78	74	74	66	71	68	71	77	77	74.6
	Minimum	46	39	51	47	45	38	43	36	35	43	50	42	32	45	55	60	62	57	57	53	60	53	54	44	55	42	54	49	46	54	46	48.6
Williamstown	Maximum	67	80	88	88	74	66	63	70	79	89	80	63	69	78	79	78	76	71	76	80	83	84	80	78	78	70	72	71	66	71	72	77	74.4
	Minimum	49	45	51	61	50	44	38	47	48	53	60	38	35	43	58	60	61	61	60	57	56	58	54	41	56	41	45	50	48	54	46	50.3
Eastern Division.																																	
Ashland	Maximum	73	71	78	85	89	71	64	63	69	79	88	84	69	67	76	80	79	80	78	80	74	82	83	75	68	66	68	68	70	73	72	74.8
	Minimum	46	39	44	48	54	40	40	40	40	44	54	48	42	45	48	57	60	62	62	62	58	53	56	42	49	45	51	50	47	52	47	49.1
Beattyville	Maximum	73	79	89	90	78	67	72	73	82	90	86	67	75	80	83	84	83	78	72	80	84	83	77	73	72	67	69	67	71	76	81	77.8
	Minimum	50	38	41	46	46	37	45	39	35	41	41	42	31	36	47	52	55	54	56	52	51	54	51	44	48	42	48	49	48	48	43	46.2
Berea	Maximum	69	75	85	86	83	64	63	68	75	84	83	62	70	78	76	79	77	76	72	74	77	81	75	72	73	64	66	66	66	73	73	73.8
	Minimum	51	42	46	58	49	38	42	36	37	48	49	41	38	48	49	60	62	61	61	61	51	55	55	42	54	48	50	51	45	51	46	49.8
Farmers	Maximum	70	80	89	88	87	69	67	72	79	..	87	66	71	81	80	83	79	75	75	..	80	83	80	75	78	67	69	74	77	76	74	76.5
	Minimum	38	31	37	41	49	33	41	29	30	..	37	35	31	38	44	50	61	58	53	..	52	50	50	63	46	42	47	46	41	47	47	143.6
Hindman	Maximum	71	79	90	91	85	63	69	71	80	86	88	67	74	81	82	84	86	81	79	76	85	89	78	76	73	75	76	76	75	74	80	77.9
	Minimum	44	36	38	40	49	39	47	38	33	39	45	41	32	33	48	47	60	59	57	58	58	53	54	40	48	48	56	48	46	49	49	46.1
Maysville	Maximum	68	72	85	85	63	63	62	69	80	89	89	62	69	80	80	80	79	77	78	78	84	84	81	71	69	65	70	71	73	72	76	74.6
	Minimum	47	37	43	44	50	37	41	32	37	44	53	41	33	37	47	50	64	60	57	57	52	52	47	37	54	44	48	50	46	55	45	47.0
Middlesboro	Maximum	74	83	89	89	88	86	84	83	82	81	89	91	93	89	85	79	80	84	82	78	76	85	80	79	74	78	74	71	79	73	77	82	81	82.5
	Minimum	48	38	40	45	50	46	48	41	34	40	44	45	43	37	51	52	64	57	58	59	58	54	59	48	45	48	49	44	43	46	49	47.4
Mount Sterling	Maximum	71	77	86	88	71	64	63	69	77	88	83	61	69	79	81	85	80	77	78	78	81	82	75	68	76	68	71	67	75	76	75	75.3
	Minimum	41	44	56	54	46	37	38	36	40	46	58	39	38	43	58	55	58	58	57	56	57	58	58	56	46	50	48	48	46	44	49	47.8
Quicksand	Maximum	75	87	94	91	79	66	66	75	82	91	88	71	77	81	82	85	71	78	77	76	80	86	83	78	74	76	68	74	78	80	78	80	79.4
	Minimum	45	38	40	45	52	38	36	36	34	40	47	40	34	35	49	49	58	59	57	59	52	54	53	41	47	49	48	49	44	45	49	46.2
Richmond	Maximum	72	82	93	89	82	68	70	77	83	89	85	71	79	80	80	82	75	73	71	78	80	83	81	75	74	69	68	68	74	75	77	76.5
	Minimum	49	45	52	62	50	44	42	38	45	55	61	43	39	44	61	61	62	62	61	60	55	58	56	41	56	47	52	52	48	48	50	51.7
Sergent	Maximum	71	78	88	90	76	61	57	70	77	86	89	86	74	82	76	83	85	71	73	78	83	86	83	78	70	75	67	70	74	74	77	77	77.1
	Minimum	38	38	39	45	49	34	46	40	31	39	46	44	34	36	50	48	59	59	56	56	53	48	46	46	46	49	49	50	45	47	50	46.1
Williamsburg	Maximum	73	82	90	92	86	67	69	74	82	89	90	78	73	83	79	83	87	85	81	77	82	79	79	77	75	75	74	76	75	80	80	80.1
	Minimum	52	38	41	46	51	42	48	38	34	40	46	34	42	39	49	51	55	59	60	58	58	58	58	45	48	50	49	49	44	47	51	47.7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*, †, ‡ etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville 6-29-28 1000

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIII LOUISVILLE, KY., JUNE, 1928 No. 6

GENERAL SUMMARY.

Precipitation of extraordinary quantity and frequency largely prevented outdoor work, and caused much damage from flooding of lowlands, washing of soil, and drowning of crops. Probably not in the climatic history of the State has excess of rain resulted in more injury to agriculture. Cultivation was possible only at rare intervals and for brief periods, sometimes merely for a few hours; hence weediness increased to such proportions that many fields with poor drainage were overwhelmed and had to be abandoned, with the possibility of replanting later in other crops. On the eastern and central uplands, particularly in the bluegrass region and northeastern counties, enough cultivation was accomplished during a few fair days at the beginning of the month to check the weeds and grass in a part of the crop, but a considerable proportion of corn and tobacco received no cultivation during the month. Despite the subnormal temperature, growth of all crops on well drained uplands was fairly good. On the water-logged soils of the central and western counties, where the rain was heaviest, growth was poor or there was actual deterioration. Weather conditions delayed the ripening of wheat. Harvest commenced in the southern counties during the last week, with boggy fields, daily showers, and insufficient sunshine to cure it. Oats made a finer crop than usual, but there was a tendency to rankness and falling. The persistent rains favored tobacco setting and resulted in a stand practically perfect and even in size. Potato vines grew rank, but tubers were small or slow in forming. Hay harvest of any kind was practically impossible, and little could be done in gathering and curing bluegrass seed. The rain damaged strawberries in the fields and seriously interfered with picking and marketing. Cotton was small and almost hopelessly weedy at the end of the month.

TEMPERATURE.

The average temperature for the State, determined from reports of 44 stations, was 69.5°. This was 4.5° below normal, and next to the lowest of record, the exception being June, 1903, with a mean temperature of 68.6°. The subnormal temperature was due largely to low maxima caused by cloudiness. Daily means up to or above the normal occurred only two or three times. Extremes for the State were 98° at Williamsburg on the 19th, and 45° at Farmers and Middlesboro on the 8th.

PRECIPITATION.

Based on reports from 83 stations, precipitation for the State averaged 10.88 inches. This is 6.79 inches above normal, and, with the exception of the average of 11.41 inches in January, 1913, it is the highest of any month since state records were established. In the western division the average was nearly 13.0 inches; in the central more than 11.0 inches; and in the eastern about 8.5 inches. Rain in appreciable amount was recorded on every day in the month. Heavy to excessive rains were general on the 4-5th, 9-10th, 18th, 20th-21st, and 27-29th; and were local on many other dates. Two short periods of scattered showers on the 1st-3d and 15-17th offered practically the only intermission in a month of continuous daily rains. In most of the district west of the Kentucky River amounts ranged between 10.0 and 18.0 inches. In a broad belt through the central counties from 12.00 to 15 inches occurred. The district northeast of the Kentucky River received from 7.5 to 10.0 inches, and a few southeastern mountain counties from 4.0 to 6.0 inches. Extremes for the State were 3.57 inches at Sergent, Letcher County, and 9.22 inches at Paducah. Thunderstorms were reported on 18 days.

MISCELLANEOUS.

June 12. Near Mt. Sterling one man was killed and three others injured when lightning struck a tree under which they had taken shelter.

June 18. Houses and barns were unroofed by a windstorm near Franklin.

June 19 Buildings at Fairview were damaged by a windstorm and several head of cattle were killed by lightning.

June 21. A mountain torrent, swollen by excessive rain, swept into Irvine, causing much damage to the business district.

June 24 In Kenton County a boy was drowned by a sudden freshet that swept down the nearly dry bed of Bullock Pen Creek.

June 28-29. Excessive rains, falling on a terrain already wet, caused extensive damage in many districts The bluegrass region suffered severely, the loss in that section alone being estimated at nearly a million dollars. In Lexington, where 5.50 inches fell in less than 24 hours, basements were flooded and stocks of merchandise ruined The loss here was probably $300,000. In Fayette County outside of Lexington, the damage was placed at a like sum. Highways and interurban lines were washed out in many places; but the greatest damage, which can not be estimated, was sustained by lands and crops. Even on short slopes of slight descent the soil was badly washed, while low land crops were generally overflowed and washed out or buried in the mud. It is believed that the loss in the bluegrass region to all kinds of property will reach

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind.† Total movement.	Ave. hourly velocity	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.86	30.14	15	29.60	4	5451	7.6	28	s.	8
Cincinnati ..... Ohio	29.88	30.20	15	29.61	5	4151	6.2	25	nw.	19
Evansville..... Ind.	29.88	30.17	15	29.63	8	6003	8.2	30	sw.	18
Lexington ..... Ky.	29.90	30.15	15	29.67	24	8515	11.8	36	ne.	19
Louisville ..... Ky.	29.89	30.18	15	29.61	24	6826	9.5	29	w	13

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	87	68	71	250.9	440.1	57	7	4
Cincinnati ..... Ohio.	80	68	75	210.7	446.0	47	5	5
Evansville..... Ind.	81	64	71	256.7	443.0	58	9	4
Lexington ..... Ky.	85	73	..	141.8	443.0	32	1	10
Louisville ..... Ky.	84	73	78	234.6	443.0	53	6	5

COMPARATIVE DATA FOR JUNE.

Year.	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	Average Number of Days. No. of days with .01in or more rain.	Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	70.6	— 3.3	99	38	5.27	+1.18	..	..	..	..	..
1890...	78.4	+ 4.5	101	51	4.96	+0.87	..	..	..	..	..
1891...	77.1	+ 3.2	97	51	4.48	+0.39	..	..	..	..	..
1892...	75.8	+ 1.9	101	48	4.23	+0.14	..	..	..	..	..
1893...	73.3	— 0.6	97	46	4.64	+0.55	..	..	..	..	..
1894...	75.6	+ 1.7	102	35	2.69	—1.40	..	..	..	..	..
1895...	75.9	+ 2.0	104	47	3.63	—0.46	10	5	10	5	0
1896...	73.5	— 0.4	98	46	4.64	+0.55	10	11	12	7	0
1897...	73.4	— 0.5	101	41	3.61	—0.48	9	14	12	4	0
1898...	76.2	+ 2.3	101	45	3.90	—0.19	9	15	12	3	0
1899...	76.1	+ 2.2	100	44	2.80	—1.29	8	15	10	5	0
1900...	73.9	0.0	100	40	6.14	+2.05	14	8	12	10	0
1901...	75.6	+ 1.7	104	42	3.97	—0.12	9	15	9	6	0
1902...	73.4	— 0.5	101	39	4.75	+0.66	11	13	9	8	0
1903...	68.6	— 5.3	96	37	3.61	—0.48	10	14	8	8	0
1904...	73.2	— 0.7	99	48	3.14	—0.95	11	14	10	6	0
1905...	74.8	+ 0.9	100	45	4.49	+0.10	10	16	6	8	0
1906...	73.9	0.0	99	42	4.53	+0.44	11	11	8	8	0
1907...	70.2	— 3.7	95	41	4.91	+0.82	11	12	9	9	0
1908...	73.4	— 0.5	102	43	4.36	+0.27	7	17	8	5	0
1909...	74.5	+ 0.6	99	43	5.03	+0.94	14	10	11	9	0
1910...	70.0	— 3.9	99	36	5.20	+1.11	10	15	8	7	0
1911...	75.2	+ 1.3	106	45	4.06	—0.03	10	17	7	7	0
1912...	70.2	— 3.7	95	38	3.48	—0.61	10	13	8	9	0
1913...	75.0	+ 1.1	107	38	2.87	—1.22	7	19	6	5	0
1914...	78.3	+ 4.4	108	45	2.30	—1.79	5	18	8	4	0
1915...	71.7	— 2.2	95	42	4.79	+0.70	12	12	10	8	0
1916...	70.1	— 3.8	99	45	4.94	+0.85	11	13	10	7	0
1917...	70.9	— 3.0	100	39	4.30	+0.21	10	15	9	6	0
1918...	73.6	— 0.3	104	37	3.63	—0.46	8	16	8	6	0
1919...	76.7	+ 2.8	103	51	4.00	—0.09	10	14	10	6	0
1920...	71.9	— 2.0	100	44	3.12	—0.97	7	17	6	7	0
1921...	77.8	+ 3.9	100	46	2.90	—1.19	8	11	11	8	0
1922...	75.4	+ 1.5	100	44	3.10	—0.99	9	14	10	6	0
1923...	73.8	— 0.1	99	42	4.59	+0.50	9	16	8	6	0
1924...	74.2	+ 0.3	99	42	4.59	+0.30	12	13	10	7	0
1925...	77.0	+ 3.1	105	48	3.89	—0.19	7	16	8	6	0
1926...	70.9	— 3.0	98	42	3.45	—0.64	8	15	9	6	0
1927...	70.4	— 3.5	98	42	4.13	+0.04	11	14	8	8	0
1928...	69.5	— 4.4	98	45	10.88	+6.79	18	7	10	13	0

Climatological Data for June, 1928.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	24	71.7	− 2.5	91	19	50	7	32	15.13	+11.96	3.10	0	20	10	7	13	s.	Mrs. Lena F. Taylor.
Blandville	Ballard	445	46	70.0	− 5.4	86[g]	22	51	7	31[g]	12.35	+ 8.76	2.36	0	20	2	21	7	sw.	.....
Calhoun	McLean	437	24	71.2	− 4.5	90	19	49	7	31	15.41	+11.98	4.93	0	21	11	7	12	sw.	W. A. Taylor.
Earlington	Hopkins	420	38	[a]71.0	− 3.9	99[a]	12[†]	48[a]	7	32[a]	14.67	+10.66	3.60	0	24	6	6	18	se.	Brick Southworth.
Greenville	Muhlenburg	519	11	68.9	− 5.7	89	19	46	7	33	12.88	+ 8.60	2.60	0	24	6	6	18	se.	C. R. Lovell.
Hopkinsville	Christian	524	32	70.4	.....	86	19[†]	50	8	31	18.77	.....	3.10	0	20	3	18	9	sw.	W. E. Graves.
Marion	Crittenden	364	19	[b]70.7	− 4.0	86[b]	19[†]	48[b]	7	30[b]	10.99	+ 7.41	2.25	0	15	4	16	10	sw.	B. C. Paris.
Mayfield	Graves	412	2	71.6	.....	90	19	46	7	35	18.49	.....	4.30	0	18	3	12	15	s.	Mrs. C. R. Sowell.
Murray	Calloway	479	31	68.9	− 5.4	86	19	46	7	30	10.66	+ 6.91	2.74	0	17	7	7	16	s.	Harry B. Arnold
Owensboro	Daviess	479	.....	.....	.....	.....	.....	.....	.....	.....	11.59	.....	2.12	0	16	.....	.....	.....	.....	Henry S. Berry.
Owensporo, Dam 46	Daviess	516	11	71.2	− 5.8	89	19	49	7	33	18.03	+14.15	4.21	0	17	13	6	11	se.	George McGlemary.
Paducah (near)	McCracken	341	39	.....	.....	.....	.....	.....	.....	.....	19.22	+14.37	6.17	0	16	.....	.....	.....	.....	J. W. Lilley
Paducah	McCracken	529	21	69.2	− 6.5	87	19	46	7	32	15.52	+11.95	5.50	0	18	5	13	12	s.	Frank L. Brown.
Princeton	Caldwell	384	11	.....	.....	.....	.....	.....	.....	.....	12.12	+ 8.33	2.38	0	16	.....	.....	.....	.....	Dr. W. L. Cash.
Ramsey, Lock 2 ‡	McLean	590	17	70.0	− 4.9	90	19	48	7	34	12.99	+10.04	2.02	0	22	9	1	20	s.	Thos. L. Wetzell.
Russellville	Logan	314	.....	.....	.....	.....	.....	.....	.....	.....	12.61	.....	1.05	0	16	.....	.....	.....	.....	Wm. Shelton.
Uniontown, Dam 40	Union	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. H. Morris.
Central Division.																				
Addison, Dam 45	Breckinridge	352	.....	.....	.....	.....	.....	.....	.....	.....	11.35	.....	2.91	0	22	.....	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	700	27	67.6	− 4.3	89	19	51	3[†]	30	10.82	+ 7.19	2.39	9	14	7	6	17	sw.	C. E. Barret.
Bardstown	Nelson	637	31	69.5	− 5.0	88	19[†]	51	16	31	14.30	+10.21	4.21	0	17	6	2	22	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	506	39	71.4	− 4.4	92	19	49	7	34	13.06	+ 9.34	2.21	0	19	9	15	6	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	3	.....	.....	.....	.....	.....	.....	.....	12.76	.....	2.30	0	17	.....	.....	.....	.....	J. Frank Thomas.
Brownsville, Lock 6	Edmonson	410	11	.....	.....	.....	.....	.....	.....	.....	12.73	+ 8.83	2.73	0	22	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	37	.....	.....	.....	.....	.....	.....	.....	7.71	+ 3.58	1.97	0	22	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	29	.....	.....	.....	.....	.....	.....	.....	10.32	+ 6.73	1.86	0	13	.....	.....	.....	.....	Shelby Angel.
Cloverport	Breckinridge	422	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. A. Cockerill.
Cold Spring, Dam 36	Campbell	489	2	.....	.....	.....	.....	.....	.....	.....	9.78	.....	2.26	0	16	.....	.....	.....	.....	W. L. Patchell.
Dix Dam, Burgin	Mercer	770	4	70.6	.....	88	19	54	1[†]	27	9.18	.....	1.96	0	17	7	16	7	sw.	G. D. Glass.
Eubank	Pulaski	1177	34	69.2	− 2.2	89	19	48	28	34	12.44	+ 8.36	2.36	0	18	11	7	12	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	36	70.2	− 3.4	89	19	53	10	26	7.54	+ 3.31	3.10	0	16	5	9	16	s.	Sidney Wood.
Franklin	Simpson	691	33	72.2	− 3.0	91	19	51	7	30	13.00	+ 9.35	1.73	0	17	13	14	3	w.	M. E. Johnson.
Gest, Lock 3	Henry	449	17	.....	.....	.....	.....	.....	.....	.....	7.77	+ 3.74	2.44	0	19	.....	.....	.....	.....	Albert Furr's.
Glasgow	Barren	780	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Fidella Edwards.
Grant, Dam 38	Boone	506	3	.....	.....	.....	.....	.....	.....	.....	7.87	.....	1.32	0	18	.....	.....	.....	.....	Bert Ross.
Greensburg	Green	581	35	68.8	− 4.5	89	22	50	8[†]	31	13.76	+ 9.21	2.80	0	24	6	1	29	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	26	.....	.....	.....	.....	.....	.....	.....	8.41	+ 4.49	2.96	0	15	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckinridge	646	30	70.0	− 3.9	86	19[†]	54	6[†]	23	14.71	+10.86	4.35	0	15	7	4	19	sw.	W. J. Piggott.
Junction City	Boyle	985	34	68.6	− 3.5	88	19	47	9	31	13.75	+10.04	3.91	0	20	8	15	7	s.	William E. Grubbs.
Lancaster	Garrard	1032	2	.....	.....	.....	.....	.....	.....	.....	10.09	.....	1.60	0	17	.....	.....	.....	.....	L. J. Vanlook.
Leitchfield	Grayson	635	32	68.8	− 5.4	87	19	51	7	26	14.48	+10.75	2.50	0	20	7	10	13	sw.	H. H. Willis.
Lexington	Fayette	989	44	67.2	− 5.0	85	19	50	6	25	10.62	+ 6.63	5.80	0	21	4	13	13	sw	U. S. Weather Bureau.
Littlefickman, Lock 8	Jessamine	523	17	.....	.....	.....	.....	.....	.....	.....	9.68	+ 5.51	1.46	0	16	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	18	.....	.....	.....	.....	.....	.....	.....	8.01	+ 3.47	2.12	0	18	.....	.....	.....	.....	Andrew J. Keenan.
LOUISVILLE	Jefferson	525	55	69.1	− 5.6	86	19	53	3	25	7.25	+ 3.43	1.42	0	17	1	17	12	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	18	68.5	− 4.5	84	19	51	3	25	11.68	+ 7.59	2.70	0	17	7	10	13	sw.	Wm. I. Hunt.
Manfordville	Hart	600	3	.....	.....	.....	.....	.....	.....	.....	12.68	.....	2.20	0	15	.....	.....	.....	.....	C. R. Richardson.
St. John	Hardin	777	32	68.2	− 4.5	87	29	49	27	38	14.26	+10.23	3.00	0	21	7	8	15	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	490	14	.....	.....	.....	.....	.....	.....	.....	13.69	+ 9.13	4.70	0	16	.....	.....	.....	.....	Ernest M. Searcy.
Scott	Kenton	900	30	66.4	− 5.3	85	19	48	3	28	9.88	+ 6.29	2.13	0	16	2	13	15	sw.	E. B. Wilson.
Shelbyville	Shelby	825	39	66.9	− 6.6	88	19	48	3	30	9.87	+ 5.47	3.25	0	20	10	4	16	sw.	Miss Ruth Ratta.
Taylorsville	Spencer	489	26	68.6	− 3.9	88	19	51	10	27	13.79	+ 9.26	6.20	0	21	6	4	20	s.	E. D. Bourne.
Tyrone, Lock 5	Anderson	526	10	.....	.....	.....	.....	.....	.....	.....	7.83	+ 3.91	1.11	0	19	7	11	12	w.	H. K. Vaughn.
Williamstown	Grant	943	25	68.0	− 3.2	88	19	48	3	32	13.62	+ 9.94	2.82	0	22	.....	.....	.....	.....	Mrs. E. S. Hamilong.
Woodbury, Lock 4	Butler	533	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. C. Stinson.
Eastern Division.																				
Ashland	Boyd	534	11	6.91	− 4.8	90	14[†]	50	1	27	7.66	+ 4.12	2.70	0	20	6	0	24	s.	Curtis Purvis.
Beattyville	Lee	650	24	68.4	− 4.3	89	19	46	8	33	10.90	+ 6.36	2.80	0	24	2	9	19	s.	Robert S. Smallwood.
Berea	Madison	1070	26	68.9	− 4.0	87	19	52	7[†]	26	9.41	+ 4.86	2.20	0	17	4	20	6	sw.	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	10	.....	.....	.....	.....	.....	.....	.....	11.74	+ 7.83	2.30	0	22	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	10	.....	.....	.....	.....	.....	.....	.....	8.52	+ 5.20	2.26	0	18	.....	.....	.....	.....	P. H. Kehoe.
Pendleton	Pendleton	600	39	.....	.....	.....	.....	.....	.....	.....	7.53	+ 3.33	1.29	0	18	.....	.....	.....	.....	J. V. Oldham.
Falmouth	Pendleton	668	20	[c]67.4	− 6.3	87[a]	19[†]	45[a]	8	31[a]	8.26	+ 3.99	2.21	0	14	11	5	14	e.	Mrs. R. F. Stamper.
Farmers	Rowan	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.11	.....	1.67	0	11	.....	.....	.....	.....	C. A. Glascock
Flemingsburg	Fleming	841	3	.....	.....	.....	.....	.....	.....	.....	9.04	+ 5.46	2.71	0	20	.....	.....	.....	.....	John A. Walters.
Ford, Lock 10	Clark	593	12	.....	.....	.....	.....	.....	.....	.....	9.21	.....	2.76	0	19	.....	.....	.....	.....	Col. Frank Powers.
Grayson	Carter	589	3	.....	.....	.....	.....	.....	.....	.....	7.19	.....	2.20	0	18	.....	.....	.....	.....	T. Mitchell.
Greenup, Dam 30	Greenup	540	8	.....	.....	.....	.....	.....	.....	.....	6.17	.....	0.97	0	24	.....	.....	.....	.....	Chas. O. Ihrig.
Hazard	Perry	869	4	.....	.....	.....	.....	.....	.....	.....	11.55	+ 7.43	2.80	0	24	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	664	11	.....	.....	.....	.....	.....	.....	.....	5.87	.....	1.22	0	16	0	13	17	ne.	Carr Napier.
Hindman	Knott	1032	3	68.5	.....	90	22	46	10	33	4.71	.....	0.92	0	16	.....	.....	.....	.....	R. R Davidson.
Jenkins	Letcher	1566	3	.....	.....	.....	.....	.....	.....	.....	10.21	+ 5.42	1.70	0	21	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	24	.....	.....	.....	.....	.....	.....	.....	6.04	+ 2.99	1.76	0	21	8	12	10	s.	Perry E. Bennett
Maysville	Mason	524	31	69.1	− 4.1	89	19	46	10	33	9.81	+ 5.32	4.50	0	14	11	15	4	.....	Matthew Woodson.
Middlesboro	Bell	1128	32	71.1	− 1.3	92	12[†]	45	8	34	9.25	+ 4.40	2.95	0	16	7	7	16	w.	R. McKee.
Mount Sterling	Montgomery	956	33	68.0	− 4.4	88	20	48	8	28	9.25	+ 4.40	2.95	0	16	7	7	16	w.	Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	497	6	.....	.....	.....	.....	.....	.....	.....	11.67	.....	3.53	0	18	.....	.....	.....	.....	Robert Repass.
Pikeville	Pike	636	22	.....	.....	.....	.....	.....	.....	.....	4.00	− 0.39	0.86	0	15	.....	.....	.....	.....	E. C. Hall.
Prestonsburg	Floyd	610	3	.....	.....	.....	.....	.....	.....	.....	7.93	.....	2.34	0	20	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breath tt	732	3	70.5	.....	92	19[†]	47	3	33	8.47	.....	2.50	0	20	.....	.....	.....	.....	Walter P. Bush.
Ravenna, Lock 12	Estill	631	10	.....	.....	.....	.....	.....	.....	.....	11.46	+ 7.00	3.04	0	17	.....	.....	.....	.....	J. W Crooke
Richmond	Madison	926	37	69.4	− 4.1	87	19	52	7	27	10.37	+ 6.42	2.02	0	18	8	1	21	.....	R. P. Crawford.
Sargent	Letcher	1235	5	69.5	.....	89	19	47	8	31	3.57	.....	0.77	0	18	4	13	13	sw.	Thos. Sullivan.
Valley View, Lock 9	Madison	541	15	.....	.....	.....	.....	.....	.....	.....	10.66	+ 6.14	1.90	0	21	.....	.....	.....	.....	H. M. Fannin.
Vanceburg, Dam 32	Lewis	525	13	.....	.....	.....	.....	.....	.....	.....	6.40	+ 1.96	1.61	0	18	.....	.....	.....	.....	C. H. Zimmerman.
Whitesburg	Letcher	1142	3	.....	.....	.....	.....	.....	.....	.....	5.48	.....	0.72	0	16	.....	.....	.....	.....	Lawrence R. Uhl.
Williamsburg	Whitley	939	31	71.8	− 2.0	93	19[†]	49	8	33	11.19	+ 6.77	3.08	0	16	11	17	2	.....	W. C. Combs.
Willow Lock 13	Lee	611	9	.....	.....	.....	.....	.....	.....	.....	10.66	+ 5.68	2.80	0	18	7	10	13	sw.	
State averages and extremes		.....	.....	69.5	− 4.4	93	19[†]	45	8	35	10.88	+ 6.79	6.20	0	18	7	10	13	sw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, *, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

+ Also on other dates. ‡ Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

§ Lone Oak. ¶ Received too late to be included in means and summaries. ** Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

† Precipitation is less than 0.01 inch rain or melted snow.

$1,000,000 or more. Other cities specially affected were: Madisonville, Lawrenceburg, Menifee, Morgan, Elliott, Powell, Lawrence, Johnson, Martin, Floyd, Magoffin, Wolfe, Lee, Owsley, and Estill, more than 3,600 families were affected and probably 10,000 acres of crops were flooded and washed away. The damage in this district in the destruction of homes, crops, bridges, roads, and drowning of stock could not be estimated, but was evident, more than $1,000,000, while the value of the eroded or ruined

Terra Marble, Mt. Sterling, Nicholasville, Winchester and Versailles. A loan was granted in Flat Creek, at Ellston. In the mountain counties eastward from the Cumberland section floods along creeks caused enormous damage to buildings, crops, lands and roads. In the counties of Bath, Fleming, Lewis, Greenup, Carter, Rowan,

Daily Precipitation for June, 1928.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	.10	.05		1.35	.80	.78	.64		2.80	.15	.04		1.02	1.20				1.70		.20	.90	.20	.05		.50		.10	.05	2.10			15.13
Calhoun	.31		.62	.32	.98	.01	T.	.32	1.82		.05	T.	1.61	.16			.06	1.52		1.08	.12	.32	.02	.02		.77		2.36	.29			12.59
Greenville	.09	.06		1.15	.52	.96			1.80	.12	.02	.23	1.11	.79				1.62		.37	.69	.03	.47		.02	.02	.05	.38	4.05			13.41
Hopkinsville	.49	.31	.01	1.89	.37	.54			.85	.37	.20	.04	.81	.86		.10		.18	.94		.93	.18	.16	.06		.09	.61	1.13	4.46	.80		11.65
Lovelaceville	.35	.01	1.47	.70	.12	.01		.38	2.13	T.	.51	T.	1.92					3.03	.05	.01	1.82	.88	.17	.39	T.	.02			3.10	.22		12.88
Marion			.77	.23	.63			.30	1.47		T.	.14	1.18					T.	1.08		1.43	.36	.30	.25		.10		2.25	.50			18.57
Mayfield	.80		1.95	.10	.71			.81	2.80		.16		1.27					.36	1.55		.99	1.30	.45	.39	.15			3.16	.55			17.58
Murray	T.	2.67	T.	1.04	1.52	1.24		T.	1.78	.38	.12	.26	1.23	.87				.48		T.	1.22	T.		.82	.16	.11	T.	3.18	4.56	.11		18.19
Owensboro	.03	T.		.82	.38	.72	.01	.07	2.74	.09				.39				1.38	T.	.94	.45	.02	.13		.17	T.	T.	.20	2.12	T.		10.66
Owensboro, Dam 46				.72	.60	1.04	.01		2.01	.08			1.32	.32				1.45		.98	.55	.02	.15		.19		.25	1.52				11.39
Paducah (near)	.43		1.12	.86	.30	.05		.35	2.20		.05		1.57	.05				3.07		1.63	.58	.18	.38					4.21	1.60			18.63
Paducah	.23	.07		1.69	.25	.30			1.68	.23	T.	.35	1.15	.77			T.	2.74		.37	2.12		.60					5.06	1.			19.42
Princeton	.36		1.06	.50	.86			.24	1.65	T.	.12	.03	1.05	.08				.25	1.58		1.50	.45	.18	.65	T.	T.	T	5.36	.72			15.52
Ramsey, Lock No. 2	.26			.84	.16	.82		.04	2.05	.15			1.15	.76				1.50		.47	.68		.33				.28	3.12	.58			12.12
Russellville	.55	.14		1.80	.85	1.68			.45	1.96	.16	.08	.96	.20				.50		.76	.31	.13	.04	.02	.05	.50	.22	2.02	.04			12.99
Shawnton, Dam 49		T.		1.20	T.	1.40		.03	1.75	.19		T	.90	.05				1.95		.96	.85	.06	.20	.12	.30	T.		.25	1.80			12.01
Central Division																																
Addison, Dam 45	.01	.01		1.12	.82	.69	.04		2.91	.21		.08	.87	.39	.01			.91		.10	.51	.06	.10		.19	.02	.04		2.11	.15		11.35
Anchorage			T.	1.58	2.31			*	1.37			.13	.34	.13				.55		T.	.13	T.	.08	.15	T.	T.	T.	1.23	2.38			16.82
Bardstown	.02			1.03	.77	.71	.07		1.60	.51			.32	.98				1.50			.08	.40	.07			.80	.03	.60	4.21			11.39
Bowling Green		.15		1.58	.85	.76			1.63	1.32	.26	.06	.65	.58				.78			.77	.72				.05	.12	1.22	2.21	.35		13.66
Bowling Green, No. 2			T.	1.81	.83	.59	T.	T.	2.04	1.25	.22	.10	.67	.71	T.			.70			.57	.55	T.			.21	.25	.20	2.39	.30		12.76
Brownsville, Lock No. 6	.24			.77	.34	.36	.03	.02	1.86	1.35	.16	.07	.68	.88				.98		.04	.55	.50			.05	.03	.02	.05	2.73	.02		12.73
Burnside	.40	.09		1.97	.25	.39	.04		.34	.80	.08	.20	.16	.35	.04			.24			.18	.11	.21	.30	.12	.16		.65	.60			7.71
Carrollton (Lock No. 1)				.86	1.86	.66	.06	.36	.21			.34						1.27			.42	1.28	.05	1.75				1.20				10.32
Cloverport																																
Cool Spring, Dam 36				1.59	2.26	.39	.04	T.	.27	.31			T.	.86	T.			.82	.03	.50	T.	.07	.03	.19	.60		T.		1.32	.50			9.78
Dix Dam, Burgin				.75	.24	.68			.90	1.11		.02	.04	.57				1.02			.80	.06	.41	.15		.12		1.96	.30			9.18
Eubank	.13	.38		1.82	.19	.39			1.87	.43	.09	.31	.26	.42				1.10			1.06	.38				.21	.22		2.36	.82			12.44
Frankfort		.03		.95	.28	.19	.05		.78	.38			T.	.33	T.			.08	T.	.01	T.	.10	.18	.03	.05	T.	.08		3.16	T.			7.54
Franklin	.50		1.15	1.70	1.73				.55		.10	.60	1.35	.20				.73			.35	.20			.55	.68	.20		1.25	1.06			12.00
Gest, Lock No. 3				1.14	.49	.62	.02	T.	.63	.46		.02	.03	.32				.35	.12		.08	.07	.03	.37		.04	.07	T.	2.44	.54			7.77
Glasgow																																
Grant, Dam 38				.85	1.31	.62	.03	T.	.23	.22		.02	.05	.17	T.			.65	.05	1.08	T.	.09	.28	.09	.43	T.	T.		1.32	.39			7.87
Greensburg	.41	.02		1.98	.80	.47	.03		1.27	1.40	.15	.13	.05	.82	.01			1.04	.03		.51	1.04	.10	.02	.01	.06	.01	2.80	.60			13.76
High Bridge, Lock No. 7				.73	.12	.27			.95	.63		.03	.05	.45				1.15				.57	.05			.06	.09	2.56	.30			8.41
Irvington	.07	T.		.32	2.96	1.35	.07		2.12	.16		T.	T.	.80				T.	.75		.47	.08		.08	.38		T.		1.35	.61			14.71
Junction City	.42			.32	2.49		.70		1.23	3.91		.18	.40	.22	.23			.45	.53		.10	1.25		.35		.63	.03	.02	1.63	.97			13.75
Lancaster		.44		.95	1.33	.38	.05		1.60	1.12	.05	.12	.34	.35					.80			.92		.07	.03	.03		1.51				16.19
Leitchfield	.25		.51	1.37	1.55	.05		.10	2.50		.05	.22	1.43	.05				.11	1.41		1.00	.20	T.	T.	.15	.25	.23		1.65	1.46			14.18
Lexington	.30		.24	.71	.20	.06	.01	.04	.99		T.	.16	.20	.08				.92	.23	.27		.57	.01	.01	.01	T.	.11		1.24	4.20			10.62
Little Hickman, Lock No. 8		.05		1.10	.45	.45	.05		1.46	1.27	T.	.08	.34	.24				1.23			T.	1.15	.06	T.	T.	.08	.12		1.55	T.			9.08
Lockport, Lock No. 2		T.		1.39	.46	.63	.03		.76	.22		.37	.36					.45		.24		.66	.11	.12	.01	.32	.01		2.12	.55			8.01
Louisville		T.		.52	1.05	.80	T.		1.74	1.11		.02	.39	.24				.21	.70	.04	.04	.04	T.	.04	.46		T.		.58	.45			7.25
Do (Cherokee Park)					.70	1.51	.69		2.21	1.48			.13	.49	.20			.29	.60		.67	.09		.44	.08			.01	1.38	2.70			11.68
Munfordville	.32			1.62	1.68	.40			1.20	1.15	.15		.30	.86				.80			.40	.50	.80					2.20	.30			12.68
St. John	.08	.08		1.15	.95	.87	.03	.02	2.70	.34		.35	.31	.69				1.33			.40	.20	.25		.93	.08	.13	3.66	.37			14.26
Salvisa, Lock No 6				1.38	.36	.22	.15		.84	.60		T.	.15	.60	T.	.25		1.80				1.35	.70		T.	.10	.12		4.70	.70			13.69
Scott			T.		T.	1.85	2.13	.24	.05	.21	.35		T.	.07	.50			.56	.48	T.	.70	.07		.28	.94		T.		1.05	.45			9.88
Shelbyville				.01		.96	1.62	.58	.07		1.23	.37	.01		.09			.76	T.	.02	.12	.11	.48	.18	.19		.10		3.28	.10			9.87
Taylorsville		.04		.13	1.30	.90	.13	.12	.07	1.55			.18	.41	.19			.22	1.32		.54	.15		1.08	.50	.11	.34		1.04	2.02			12.24
Tyrone, Lock No. 5				1.05	.40	.27	.07		.85	.45		.47	1.02	.02	.07		1.24	.03			.45	.10		.84	.02	.20		6.26	.04			15.79
Williamstown					1.08	.51	.60	.02		.26	.23		.11	.20				.65	.04	.37		.10	1.01	.04	.55	.01	.07		1.11	.47			7.83
Woodbury, Loc No. 4		.18	.06		2.11	.41	.85	.01		2.79	.26	.17	.05	.88				.76			.82	.27	.09		.03	.13	.03	14.2	.82	.05		13.42
Eastern Division																																
Ashland			.18		.61	.15	.13	.04	.02	.13	.64			.21	.12	.07		.10		.46	.35	.51		.05	.14	.60		2.70	.45			7.66
Beattyville			.08		.99	.06	.55	.03	T.	.53	.50	.20	.38	.39	.12	.14		.36	.04	.01	.36	.58	.01	.18	1.26	.85	.02	2.80	.45			10.10
Boren		.29		.25	.71	.34	T.		.13	1.67		.26	.21	.04	.27		T.	.45		T.	.77		.34	T.	.13	.12		2.20	1.20			9.41
College Hill, Lock No. 11		.05	.03		1.30	.29	.30	.03		.85	1.15	.25	.05	.05	.10	.20		.25	.22	.10	T.	1.72	T.	.20	.10	.10	.05	2.30	1.14			11.74
Cynthiana		.01		.91	.51	.50			.10	.46	.42		.05		.14	.03		.75	T.	.28		.22	.62	T.	.25	T.	T.	.02	2.20	1.68			8.52
Edmonton				1.29	.18	.40	.06		.22	.28			.20	.23				.75		.28		.22	.08	.40	.25	.79	.03	.07		1.15	.86			7.53
Farmers		.52	.17		.87	.31			.11		1.35			.57		.32		.45		.16	.34			.19				2.21	.75			8.26
Flemingsburg				1.16	.15				.85	.53					.25			.46				.45		.90	.55			1.20	1.67			8.11
Ford, Lock No. 10		T.	.02		.34	.33	.02		.67	.60	T.	.02	.08	.27	T.			.90	T.	.05	T.	.60	.09	.35	.05	.07	.03	2.71	.45			9.04
Grayson			.32		1.02	.13	.24	.10		.23	.83		.04	.03	.10			.19	.04	.60		.52		.45	.34			2.75	.93			9.21
Greenup, Dam 30					.95	.06	.38	.02		.13	.49			.46	.14	.02		.10	.28	.25	.30			.57	.14	.39		2.36	.37			7.19
Hazard			.02		.57	.09	.27	.07	.02	.37	.59	.02	.10		.39	.02		.02	.06	.24	.22	.35	.41	.29	.14	.97	.17	.37	.40			6.17
Heidelberg, Lock No. 14					1.04	.04	.75	.03	T.	.85	.75	.20	.41	.19	.13	.11		.51	.13		.15	.02		.26	1.09	1.19			2.80	.33			11.55
Jackman			.15	.24	T.	.22	.05							.38		.33		.01	.20	.75	.80	T.	.32		1.22	.07		.18	.50	.15			5.87
Jenkins				.68		.24	.10	.06		.54			.45		.18				.18		.60	.07		.25	.35	.18	.07		.44	.92			4.71
Lewis			.20		.40	.11	.28	.04		.20	1.47	.05		.80	.12	.05		.15		.63		1.08	.36	.04	.56	.30	.02		1.36	1.76			10.21
Louisville			.14		.97	.25	.21	.07		.20	.59		T.	.37	.10	.01		.45	.10	.30	.41	.68	.13	T.	.27	.04	.03		1.32	.56			6.94
Middlesboro		.18		.76	.58		.20			.58		.12		.88				.09				.20		.20	.25	.12		.65	4.50			9.81
Mount Sterling		L.	T.	.05		.80	.20	.35	.15		.40	.83		T.	.18	.40			.56		.65		.74		.65	T.	T.	.17		2.95	1.03			9.25
Nesmith, Dam 35					1.20	3.53	.72	.05	T.	T.	.45	T.	T.	.14				1.10	.11	.67	.10	.04	.54	.52	1.02	.07	.04		1.12	.25			11.67
Olivet			T.		.28	.08	T.	.18	T.	.18	.86	.12	T.	.16				.07		.66	.08			.12	.18	.22	T.		.34	.28			4.40
Owenton				.37	.07	.22	.12	.03	.46	.15	.18	.06	.87	.33	.22			.04		.32	.45	.36			.85	.41			2.24	.15			7.83
Paintsville			.10	T.		1.05	.34	.08	.67		.20	.43	.38	.16	.27	.18		.10		.18		.25	.28	T.	.27	.30	.68			2.50	.46			8.47
Richmond					1.22	1.54	.28	T.		.75	1.60	.15	.05		.30						.50	.05	.05	T.	1.25	.13	.15	T.	.18	.05		2.02	.09			10.27
Sergent	.05	.06	.03		.08	.17	.10		.40				.17	.48		.02		.01		.76	.02			.18	.44	.15			.01		3.57			7.01
Valley View, Lock No. 4	.02		1.30	.10	.60	.30		.80	.52		.08	.30	.50	.03			1.10	.02	.02		.80		.40	.09	.35	.30		1.90	1.25			10.46
Vanceburg, Dam No. 32				1.12	.11	.14	.21		.14	.46				.68	.03			.39	.12	.08	.44	.04		.02	.23	.03			1.67	.68			6.40
Williamsburg				.10	.60	.20	.34		T.	.14				.60				.11	.03	.42	.30	.29		.46	.27	.50			.37	.72			5.45
Willow, Lock No. 13		.05		.90		.40			.75		.70	.50	.41			.56			.15			1.75		.70	.25	1.10			2.80				10.96

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (x) Salt; (G) Green. (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi. ' Lone Oak.

and was also very large.

The damage to crops from the prolonged June floods along the Green and lower Ohio rivers was roughly estimated at $2,000,000 or more. It was estimated that 4,000 families were affected and 50,000 acres or more of crops inundated in the western counties.

Rivers.—The rains of the 28-30th caused exceptionally high stages for the time of year in the Ohio and some other streams. At the end of the month the Ohio was approaching flood stage and still rising from Evansville to Cairo. The Green crested from 4.0 to 6.0 feet above flood stage in the section between Woodbury and the mouth, and was also slightly above flood at Brownsville. This flood in the lower Green continued from the 9th to 25th. It was again above flood and rising from Woodbury to the mouth at the end of the month.

Daily Temperatures for June, 1928.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	82	83	74	87	76	69	82	82	79	75	78	89	83	89	86	87	59	82	88	91	83	82	90	81	85	77	81	81	73	86	55	..	82.2
	Minimum	61	61	56	61	63	54	50	59	61	54	76	65	64	68	56	59	62	65	74	67	82	64	64	65	61	58	58	54	59	67	57	..	61.2
Calhoun	Maximum	78	79	72	84	72	68	82	81	79	74	76	85	82	..	..	..	61	65	64	76	65	86	67	65	65	62	59	58	54	61	67	59	..	§78.4
	Minimum	65	63	57	60	64	54	51	61	62	55	59	65	64	64	59	61	64	85	82	86	90	86	86	87	79	82	72	75	80	78	84	81	61.7
Earlington	Maximum	80	83	78	85	73	70	80	82	80	75	80	89	82	84	85	82	84	85	82	84	86	87	89	84	85	87	81	80	78	78	84	74	61.4
	Minimum	65	61	56	62	68	55	49	62	63	55	60	66	65	63	55	58	63	65	75	67	63	63	64	65	60	59	56	52	63	66	73	66	§81.5
Greenville	Maximum	77	76	65	82	73	68	80	..	..	59	55	59	64	64	63	56	59	61	64	73	66	62	63	64	61	57	56	53	64	67	59	..	§60.4
	Minimum	64	60	56	61	64	66	79	78	73	68	58	68	63	59	57	56	62	63	71	65	62	63	62	63	57	54	53	64	66	57	..	55.7
Hopkinsville	Maximum	78	77	72	83	74	68	79	78	77	78	73	86	82	81	86	87	79	83	85	89	81	83	87	79	81	75	79	80	75	85	84	..	80.0
	Minimum	62	60	53	60	63	54	46	58	61	55	58	63	63	59	57	56	62	63	71	65	62	63	62	63	57	54	53	64	66	57	..	55.7
Loyelaceville	Maximum	79	78	62	80	71	68	77	80	78	73	73	83	75	79	79	82	81	85	86	83	81	84	83	77	69	75	78	77	82	80	..	78.1
	Minimum	66	64	55	66	68	54	48	58	63	56	60	65	64	61	57	56	62	63	71	65	66	64	64	65	58	56	58	54	60	61	..	62.6
Marion	Maximum	78	79	76	79	74	69	83	81	81	75	74	82	84	83	84	84	81	84	83	86	82	84	82	84	82	74	74	80	81	..	..	79.3
	Minimum	64	62	55	59	64	54	53	50	63	54	59	66	64	62	62	61	66	65	85	85	86	85	85	81	82	81	72	74	80	74	80	81	61.5
Mayfield	Maximum	78	79	76	79	74	69	83	82	80	76	74	84	84	..	..	82	..	85	85	86	85	85	86	80	81	73	76	84	83	85	..	§80.3
	Minimum	64	62	55	59	64	54	53	50	63	54	59	66	64	62	62	61	66	65	74	65	81	86	83	65	63	59	54	55	66	59	66	66	§61.1
Murray	Maximum	80	78	75	82	76	72	78	82	80	76	74	84	84	..	..	82	..	85	85	86	83	85	86	83	85	83	84	85	83	85	83	..	82.2
	Minimum	64	60	52	60	64	53	48	63	61	57	61	66	64	62	62	61	66	65	74	63	71	65	62	63	62	63	57	54	53	64	66	70	60.8
Owensboro	Maximum	84	81	72	87	75	72	81	85	80	81	80	88	80	82	85	87	83	88	90	85	88	88	90	85	88	83	86	83	79	85	77	79	78.3
	Minimum	64	61	53	62	63	54	46	61	62	58	61	63	64	58	57	56	63	63	73	66	65	66	66	63	63	59	57	55	51	60	65	67	59.5
Owensboro	Maximum	76	77	78	80	78	68	76	81	78	73	76	85	76	79	83	83	79	83	86	83	86	86	86	82	84	82	81	80	81	72	78	82	81.0
	Minimum	62	59	59	63	65	51	46	58	60	63	57	63	60	62	56	59	62	63	71	64	62	64	64	63	63	59	57	55	51	60	65	67	61.4
Paducah (near)	Maximum	79	80	78	80	75	70	82	82	80	78	77	85	79	85	84	86	82	86	89	85	88	84	84	81	86	83	82	78	71	79	78	80	78.7
	Minimum	64	61	55	60	63	54	49	64	63	55	61	63	64	60	60	58	66	64	74	65	66	66	66	64	65	64	63	59	54	55	63	66	59.7
Princeton	Maximum	76	77	74	82	73	70	78	82	79	74	73	84	82	79	79	82	81	85	87	85	86	83	88	83	89	83	84	82	77	76	75	77	79.9
	Minimum	64	59	53	58	63	54	46	60	61	54	77	78	87	72	63	63	69	63	71	64	69	64	64	64	63	59	55	53	57	62	59	..	60.1
Russellville§§	Maximum	76	79	69	84	74	67	82	80	74	77	78	87	72	83	88	87	58	62	64	71	69	64	64	64	63	59	55	53	57	62	59	..	..
	Minimum	64	63	57	55	66	55	48	58	61	56	58	60	64	63	57	58	62	64	71	69	64	64	64	63	59	55	53	57	62	59	..	..	60.1
Central Division.																																	
Anchorage	Maximum	75	78	66	83	73	64	77	78	73	72	75	86	80	79	82	83	81	82	89	82	76	82	79	79	73	70	78	69	80	81	..	77.6
	Minimum	55	56	51	57	62	53	52	54	51	51	57	63	63	58	54	53	57	64	72	63	61	60	79	64	57	58	56	51	55	64	58	..	57.7
Bardstown	Maximum	76	83	76	83	77	73	77	79	74	70	78	87	80	82	83	83	79	83	86	83	87	88	88	79	81	77	79	69	73	78	76	73	79.1
	Minimum	58	60	54	61	66	53	54	55	62	58	57	66	65	64	55	51	60	65	74	65	63	62	64	61	60	58	53	56	58	56	59	..	59.9
Bowling Green	Maximum	77	81	77	86	76	68	82	82	82	79	75	88	83	85	87	87	81	89	92	87	85	91	83	83	79	78	86	80	80	87	80	..	82.5
	Minimum	64	64	56	61	65	56	49	55	60	55	58	64	63	64	53	59	60	64	71	64	64	65	66	66	64	62	58	55	53	59	64	58	60.4
Dix Dam	Maximum	73	79	78	76	76	73	77	82	78	75	72	85	83	85	83	78	77	84	81	85	88	84	81	86	83	82	78	71	79	78	81	82	79.5
	Minimum	54	66	64	62	68	56	54	55	62	55	59	65	67	66	65	58	61	65	74	67	65	66	64	64	63	59	54	55	53	58	64	58	61.7
Eubank	Maximum	72	78	74	76	75	71	74	78	74	76	70	82	84	79	85	84	81	84	87	89	84	81	86	84	76	75	73	78	76	81	82	80	78.9
	Minimum	56	65	54	60	65	56	52	49	59	52	57	62	66	64	62	53	61	66	69	64	63	60	64	63	60	61	56	49	48	63	66	..	59.5
Frankfort	Maximum	78	78	77	81	81	76	75	79	79	74	74	87	83	79	81	83	84	86	89	88	84	78	87	82	79	78	85	80	83	86	84	84	80.3
	Minimum	55	62	54	59	62	55	54	56	62	58	58	63	69	64	56	57	59	60	73	68	66	66	66	66	63	62	56	55	56	62	63	..	62.3
Franklin	Maximum	76	83	78	83	80	69	81	80	79	79	77	88	84	83	85	83	82	88	90	83	88	84	90	83	85	83	86	77	76	83	86	84	82.0
	Minimum	64	66	56	61	65	56	51	58	62	56	54	63	64	64	59	59	59	67	74	66	67	67	66	63	62	58	57	55	57	65	67	60	62.0
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Glasgow	Maximum	77	72	72	79	75	73	78	81	77	71	69	87	84	81	82	86	79	86	88	85	90	89	80	80	77	72	79	74	83	80	..	79.2
	Minimum	57	64	52	59	65	54	51	50	58	53	55	62	62	63	54	55	57	65	69	63	60	60	63	62	60	56	50	53	62	56	..	58.3
Greensburg	Maximum	76	76	75	82	75	69	76	79	77	75	75	85	77	79	81	81	83	86	88	83	86	83	79	86	79	80	74	72	77	77	80	79	61.6
	Minimum	64	63	55	61	64	54	55	61	60	55	59	66	67	65	59	60	63	63	73	67	65	65	66	61	60	61	61	56	52	53	62	57	78.9
Irvington	Maximum	77	81	72	76	75	73	76	77	76	73	67	85	82	80	83	84	81	86	88	86	86	80	86	79	67	61	61	56	52	53	62	57	58.3
	Minimum	54	63	53	60	65	53	52	48	57	50	56	63	65	64	52	54	58	66	71	64	61	60	67	61	61	56	52	53	62	57	..	..	77.5
Junction City	Maximum	71	78	63	80	68	63	73	76	77	76	73	87	84	85	87	86	83	86	88	86	86	86	86	85	78	79	73	70	78	70	83	81	60.2
	Minimum	54	63	53	60	65	53	52	48	47	50	56	63	65	64	52	54	58	66	71	64	61	60	67	61	61	56	52	53	62	57	..	..	58.3
Leitchfield	Maximum	77	78	63	82	73	64	77	79	73	72	73	85	79	82	82	83	77	84	87	89	84	85	89	85	75	76	71	66	73	71	78	77	77.5
	Minimum	63	61	55	60	64	54	51	57	59	55	58	63	68	66	59	59	59	62	66	73	67	64	64	63	61	59	56	52	58	65	73	66	75.0
Lexington	Maximum	72	75	64	75	74	60	72	76	71	68	67	82	81	75	78	80	79	83	85	82	79	77	83	76	70	68	76	71	80	81	..	..	59.4
	Minimum	62	56	52	60	60	50	50	58	59	53	55	64	64	62	61	61	56	50	56	65	64	64	62	65	58	59	56	52	58	62	66	63	76.8
Louisville	Maximum	75	76	64	84	73	62	77	80	75	69	74	86	79	78	80	80	80	83	86	86	88	80	83	80	77	75	78	74	72	79	78	..	61.4
	Minimum	63	57	53	59	62	54	56	60	61	55	59	65	64	65	56	57	58	63	71	67	66	66	66	63	60	58	54	52	58	64	61	..	59.7
Do. (Cherokee Park)	Maximum	83	75	73	81	79	65	74	78	79	73	72	83	83	75	77	78	75	82	84	83	84	80	84	80	81	78	77	74	73	71	77	..	77.3
	Minimum	58	61	51	57	65	54	54	58	61	54	57	63	63	63	56	57	58	63	71	67	66	66	66	63	60	58	54	52	58	64	61	..	59.7
St. John	Maximum	78	79	73	82	74	64	78	79	75	71	73	85	79	80	81	83	76	83	84	84	80	84	80	81	78	75	69	64	72	71	76	76	74.4
	Minimum	60	59	52	55	64	51	51	53	57	51	54	62	61	61	54	56	57	62	72	64	63	58	62	58	57	55	49	55	63	56	60	..	58.4
Scott	Maximum	73	73	64	79	71	62	73	75	72	67	74	83	81	76	73	78	79	79	85	80	73	64	65	66	61	77	74	70	77	70	79	81	77.6
	Minimum	54	58	48	53	60	53	51	57	53	49	54	62	66	61	56	50	56	65	75	66	61	60	62	58	56	55	49	52	51	56	..	..	56.2
Shelbyville	Maximum	76	78	67	81	76	66	75	77	74	71	74	85	80	79	79	82	80	84	86	83	88	84	80	86	79	79	76	74	70	77	69	81	78.0
	Minimum	53	57	48	53	60	53	51	50	59	49	54	62	63	61	51	51	55	63	71	62	62	62	57	62	55	58	55	49	52	51	80	..	59.3
Taylorsville	Maximum	77	78	70	81	75	66	78	81	75	71	73	85	80	79	79	82	80	84	86	83	88	84	80	86	79	79	76	74	70	77	69	81	77.3
	Minimum	53	57	48	53	60	53	51	50	59	49	54	62	63	61	51	51	55	63	71	62	62	62	57	62	55	58	55	49	52	51	80	..	59.3
Williamstown	Maximum	75	77	70	81	75	72	75	76	75	71	74	86	81	77	77	82	80	84	86	83	88	84	80	86	79	79	76	74	70	77	69	81	77.3
	Minimum	57	58	48	55	61	55	50	57	61	51	54	62	63	62	58	50	59	64	73	64	63	64	59	59	55	53	55	54	59	55	83	..	58.7
Eastern Division.																																	
Ashland	Maximum	75	76	80	72	79	79	68	70	71	76	72	75	82	90	80	79	84	85	84	90	88	84	85	83	79	74	70	78	79	79	..	..	78.9
	Minimum	50	57	58	57	63	59	58	51	56	52	55	59	61	66	56	55	57	66	70	64	66	66	68	64	65	60	55	55	60	63	..	..	59.3
Beattyville	Maximum	74	83	67	76	71	69	76	77	74	75	66	81	86	83	81	88	83	86	89	87	80	86	88	79	78	70	78	81	84	82	80	..	78.4
	Minimum	49	63	51	61	62	56	52	46	61	54	56	62	66	66	54	55	58	62	69	63	61	61	64	62	60	58	51	54	63	59	..	..	58.4
Berea	Maximum	74	77	72	76	76	73	77	76	76	70	67	82	82	80	79	81	81	87	87	84	87	87	84	84	75	76	70	73	78	77	79	..	§78.4
	Minimum	54	65	53	60	67	54	52	53	58	60	62	56	64	67	65	53	58	61	67	74	66	63	64	67	65	62	60	58	51	54	63	59	§56.8
Farmers	Maximum	74	79	74	79	77	70	74	74	74	71	71	85	85	83	82	82	84	84	87	86	88	86	87	88	90	81	80	72	73	80	79	80	81	79.8
	Minimum	46	59	48	55	65	52	49	45	60	49	53	60	58	61	53	51	54	62	72	65	67	65	66	65	64	62	59	55	52	54	57	58	57.2
Hindman	Maximum	72	82	71	75	81	67	74	76	78	79	73	75	84	88	84	85	86	89	87	88	88	88	88	88	88	83	82	79	77	80	81	81	80.0
	Minimum	48	58	50	60	62	57	51	53	50	46	56	57	58	60	55	56	55	56	62	59	58	58	58	58	58	53	53	53	54	57	58	..	58.2
Maysville	Maximum	77	79	77	80	77	76	75	77	76	74	74	85	85	82	79	83	84	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	82.1
	Minimum	49	59	48	56	57	54	51	50	61	46	53	61	62	64	54	50	55	63	74	63	63	63	63	63	63	63	63	63	63	63	63	63	60.1
Middlesboro	Maximum	79	82	78	77	77	74	81	79	84	80	76	92	87	86	86	83	84	85	92	90	86	82	82	77	76	77	84	79	75	92	78	..	82.1
	Minimum	52	62	55	62	66	58	51	45	64	58	61	64	63	66	58	56	56	55	66	72	64	65	68	64	62	62	55	52	53	64	62	..	60.1
Mount Sterling	Maximum	78	78	78	78	78	71	74	76	71	69	68	83	85	80	82	86	83	84	85	92	88	83	85	83	79	70	69	76	75	82	78	..	78.0
	Minimum	50	55	51	57	60	53	56	48	58	50	55	62	63	63	53	57	63	63	70	63	63	63	64	64	61	60	60	60	52	60	54	63	58.0
Quicksand	Maximum	76	84	76	77	79	72	85	78	77	80	70	86	85	88	88	87	65	87	87	92	88	84	81	84	83	82	78	76	75	77	73	81	79	79.0
	Minimum	49	64	50	61	68	57	52	47	59	56	57	63	61	66	57	54	52	63	68	73	70	63	63	63	61	61	64	63	62	52	60	54	63	59.0
Richmond	Maximum	78	77	77	79	77	72	74	74	74	71	71	85	83	83	80	85	82	84	87	87	87	84	85	85	85	86	86	86	86	86	86	86	77.7
	Minimum	49	64	50	61	68	57	52	47	59	56	57	63	61	66	57	54	52	63	68	73	70	63	63	63	61	61	64	63	62	52	60	54	63	59.0
Sergent	Maximum	77	77	77	79	77	72	74	74	74	71	71	85	83	83	80	85	82	84	87	87	87	84	85	85	85	86	86	86	86	86	86	86	77.7
	Minimum	49	64	50	61	68	57	52	47	59	56	57	63	61	66	57	54	52	63	68	73	70	63	63	63	61	61	64	63	62	52	60	54	63	59.0
Williamsburg	Maximum	76	84	76	77	79	72	85	78	77	80	70	86	85	88	88	87	65	87	87	92	88	84	81	84	83	82	78	76	75	77	73	81	79	79.0
	Minimum	49	64	50	61	68	57	52	47	59	56	57	63	61	66	57	54	52	63	68	73	70	63	63	63	61	61	64	63	62	52	60	54	63	59.0
	Maximum	77	77	77	79	77	72	74	74	74	71	71	85	83	83	80	85	82	84	87	87	87	84	85	85	85	86	86	86	86	86	86	86	77.7
	Minimum	49	64	50	61	68	57	52	47	59	56	57	63	61	66	57	54	52	63	68	73	70	63	63	63	61	61	64	63	62	52	60	54	63	59.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*, †, ‡ etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville 7-28-28 1100

.05
KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

L. XXXIII LOUISVILLE, KY., JULY, 1928 No. 7

GENERAL SUMMARY.

Heavy rains that occurred in the first two weeks in the central d eastern counties caused further delay in cultivation. Some rn became too large to be cultivated, while other corn on toms and flat land became so foul that it was abandoned as peless. Dry weather and moderate temperature during the t two weeks, and in the western counties for three weeks or re, were generally favorable for crops and farm operations. ward the end of the month, however, the need for rain was dent in the western counties and some other districts. This d was due less to lack of precipitation than to conditions wing out of the preceding wet weather. The packed soil ed hard because all crops could not be worked quickly; also superficial root systems of early corn and tobacco were gely destroyed by cultivation, to be followed by yellowing and ring," with symptons of drought. Much corn with only one wing, and that given with difficulty because of the large size he plants, was left weedy and grassy. Such corn was soon fering for moisture. Tobacco was not so far advanced that tivation was impossible, but in only a small part of this crop, well as corn, could the work be done at the proper time. acco was therefore cleaned much better than corn and fered to a less extent from yellowing and the stunting effect lamaged root systems. Wheat harvest was completed with iculty, but fair weather later caused the shocks to dry out. s and hay harvest were carried on under favorable condi- ns. The first, and in some cases the second crop of alfalfa cut and cured. Potatoes, gardens, truck and field tomatoes proved decidedly under the influence of the sunshine. The weather also caused marked improvement in cotton, though crop remained far behind.

TEMPERATURE.

Reports from 43 stations gave an average temperature for the nth of 77.0°, which is near normal. Except for a few cool s near the middle and end of the month, temperatures de- ted only slightly from the normal. Maxima were generally derate for this month. The extremes were 100° at Middles- o on the 11th and 50° at Dix Dam on the 29th.

PRECIPITATION.

As determined from the records of 82 stations, precipitation the State averaged 4.07 inches, which is slightly less than rmal. The distribution was remarkably irregular, with ex- ordinary divergence between the amounts received in the dry l wet districts. In most of the western division amounts ged between 0.4 inch and 3.0 inches, several counties between lower courses of the Green and Cumberland received less n an inch. In the Bluegrass region and Kentucky River ley amounts varied between 4.0 and 8.0 inches. From 3.0 5.0 inches occurred in the upper Green River Valley, and to 4.0 inches along the Middle and upper Ohio and in the ern border counties. Extremes for the State were 0.45 h at Marion and 9.80 inches at Frankfort. The rains were inly local in character, and often excessive and damaging to and crops. They occured in most districts in the periods th, 8-14th, 19th-23d, and 27-28th. Thunderstorms were orted on 14 days.

MISCELLANEOUS.

Near Mayfield a child was killed by lightning on the 6th while standing in the open, and a man on the 13th whilk working in the field.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind.† Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.00	30.27	30	29.86	27	3903	5.2	27	nw	31
Cincinnati ..... Ohio	30.00	30.30	30	29.79	27	3171	4.3	33	nw.	11
Evansville..... Ind.	30.02	30.30	30	29.83	27	4272	5.7	40	sw.	6
Lexington ..... Ky.	30.02	30.29	30	29.83	27	5973	8.0	28	sw.	5
Louisville ..... Ky.	30.02	30.30	30	29.81	27	4580	6.4	28	n.	4

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	82	56	62	360.8	447.1	81	16	0
Cincinnati ..... Ohio.	80	57	67	335.9	452.3	74	13	1
Evansville..... Ind.	80	54	61	398.4	449.8	89	23	0
Lexington ..... Ky.	82	65	..	296.2	449.8	66	12	2
Louisville ..... Ky.	82	58	64	353.7	449.8	79	16	0

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Monthly average.	Departure from 35 year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35 year normal.	No. of days with 0.01 in. or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snow fall.
1889...	75.1	− 1.8	98	50	5.62	+1.45	..	..	..	..	..
1890...	73.0	− 3.9	101	44	2.66	−1.51	..	..	..	..	..
1891...	74.0	− 2.9	91	47	4.08	−0.09	..	..	..	..	..
1892...	76.5	− 0.4	100	48	3.30	−0.87	..	..	..	..	..
1893...	78.8	+ 1.9	101	50	3.48	−0.69	..	..	..	..	..
1894...	76.2	− 0.7	105	43	2.03	−2.14	..	..	..	..	..
1895...	75.2	− 1.7	99	49	5.75	+1.58	9	10	13	9	..
1896...	77.4	+ 0.5	103	47	7.44	+3.27	11	11	12	8	0
1897...	77.8	+ 0.9	107	50	4.79	+0.62	10	14	11	6	0
1898...	77.8	+ 0.9	102	48	4.71	+0.54	11	13	13	5	0
1899...	77.3	+ 0.4	100	47	3.78	−0.39	9	15	10	6	0
1900...	77.9	+ 1.0	101	50	4.91	+0.74	11	15	11	5	0
1901...	81.7	+ 4.8	112	48	1.72	−2.45	5	21	7	3	0
1902...	78.1	+ 1.2	107	48	1.91	−2.26	6	19	9	3	0
1903...	77.5	+ 0.6	104	49	3.53	−0.64	8	17	9	5	0
1904...	75.2	− 1.7	99	46	3.40	−0.77	10	16	9	6	0
1905...	75.9	− 1.0	102	52	5.93	+1.76	13	14	9	8	0
1906...	75.2	− 1.7	100	51	6.02	+1.85	11	14	8	8	0
1907...	78.1	+ 1.2	102	49	4.71	+0.54	9	18	8	5	0
1908...	76.9	0.0	100	50	3.94	−0.23	10	16	8	7	0
1909...	74.8	− 2.1	99	48	6.01	+1.84	11	14	9	8	0
1910...	76.2	− 0.7	96	51	8.63	+4.46	16	10	9	12	0
1911...	75.8	− 1.1	105	42	2.28	−1.89	7	16	8	6	0
1912...	76.8	− 0.1	100	50	5.50	+1.33	12	13	10	8	0
1913...	79.9	+ 3.0	109	48	2.54	−1.63	7	17	10	4	0
1914...	78.8	+ 1.9	109	43	3.20	−0.97	8	17	9	5	0
1915...	75.7	− 1.2	102	49	5.80	+1.13	11	14	11	6	0
1916...	78.6	+ 1.7	102	52	4.17	0.00	9	17	9	5	0
1917...	75.3	− 1.6	100	50	4.38	+0.21	11	12	10	9	0
1918...	73.8	− 3.1	103	46	3.28	−0.89	8	15	9	7	0
1919...	79.5	+ 2.6	104	50	2.10	−2.07	5	20	8	3	0
1920...	75.2	− 1.7	99	44	3.83	−0.34	9	16	9	6	0
1921...	81.1	+ 4.2	106	52	2.65	−1.52	7	17	10	4	0
1922...	76.4	− 0.5	102	47	4.77	+0.60	9	17	9	5	0
1923...	76.8	− 0.1	99	44	3.59	−0.58	8	17	9	5	0
1924...	73.7	− 3.2	99	45	3.63	−0.54	8	18	8	5	0
1925...	76.7	− 0.2	105	46	3.93	−0.24	9	15	10	6	0
1926...	77.6	+ 0.7	107	48	4.36	+0.19	9	16	9	6	0
1927...	76.7	− 1.2	101	45	3.71	−0.46	9	17	9	5	0
1928...	77.0	+ 0.1	100	50	4.07	−0.10	8	17	10	4	0

Climatological Data for July, 1928.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days With precip. .01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	24	79.2	+ 1.4	98	22	55	29	31	3.16	−0.82	1.50	0	7	27	0	4	se.	Mrs. Lena F. Taylor.
Calhoun	McLean	420	24	78.6	+ 0.6	95	7‡	57	29	25	1.88	−2.34	1.51	0	4	6[a]	24[a]	0[a]	sw.	W. A. Taylor.
Earlington	Hopkins	420	38	79.2	+ 0.8	95	10‡	54	29	30	2.44	−1.66	1.27	0	7	28	3	0	sw.	Brick Southworth.
Earlington	Muhlenburg	519	11	[c]78.6	+ 1.5	97[c]	10	55[c]	29	35[c]	3.01	−0.13	0.91	0	5	20[c]	8[c]	0[c]	s.	C. R. Lovell.
Greenville	Muhlenburg	524	32	78.8	0.0	96	5‡	56	29	32	2.58	−1.35	0.61	0	4	15	15	1	se.	W. E. Graves.
Hopkinsville	Christian	....	....	78.5	....	92	3‡	59	29	24	1.88	....	1.16	0	4	15	15	1	sw.	B. Sallee.
Lovelaceville	Ballard	571	30	80.6	+ 2.7	97	6	55	29	30	0.45	−3.11	0.45	0	1	16	15	0	sw.	B. C. Paris.
Marion	Crittenden	364	19	[b]80.0	+ 0.1	93[b]	2‡	55[b]	29	36[b]	2.04	−1.85	0.95	0	5	11[b]	17[b]	1[b]	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	412	2	78.6	....	95	4‡	54	29†	33	1.62	....	0.82	0	2	13	16	2	s.	Harry B. Arnold
Murray	Calloway	479	31	77.2	− 0.6	92	7‡	55	29	30	1.10	−2.27	0.75	0	6	21	6	4	s.	Henry S. Berry.
Owensboro	Daviess	479	....	....	....	....	....	....	....	....	1.47	....	1.05	0	6	....	....	....	....	George McGlemary.
Owensboro, Dam 46	Daviess	479	....	....	....	....	....	....	....	....	1.56	−1.34	0.55	0	5	26	5	0	se.	J. W. Lilley
Paducah (near)	McCracken	516	11	79.8	− 0.2	98	7	55	29	29	0.92	−2.65	0.52	0	3	....	....	....	....	Frank L. Brown.
Paducah	McCracken	341	39	....	....	....	....	....	....	....	0.93	−2.91	0.37	0	4	13	13	5	s.	Dr. W. L. Cash.
Padueah	Caldwell	529	21	77.0	− 1.1	92	7‡	55	30	30	1.81	−0.53	1.20	0	4	....	....	....	....	Thos. L. Wetzell.
Princeton	Caldwell	384	11	....	....	....	....	....	....	....	4.66	−0.09	1.48	0	10	22	4	5	s.	Wm. Shelton.
Ramsey, Lock 2	McLean	590	17	78.0	+ 0.3	94	3‡	58	29	32	0.73	....	0.48	0	4	....	....	....	....	E. H. Morris.
Russellville	Logan	314	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Uniontown, Dam 40	Union	....	....	....	....	....	....	....	....	....	3.80	....	1.40	0	12	....	....	....	....	C. L. Moore.
Central Division.																				
Addison, Dam 45	Breckinridge	352	....	....	....	....	....	....	....	....	2.65	−1.77	0.98	0	8	20	9	2	sw.	C. E. Barret.
Anchorage	Jefferson	700	27	75.8	− 0.5	93	20	51	29	31	4.43	−0.52	2.00	0	8	21	2	8	sw.	Mrs. Emily T. Sisco.
Bardstown	Nelson	637	31	76.9	− 3.8	93	7‡	56	29	31	4.43	0.70	1.15	0	10	11	17	3	s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	500	39	78.9	0.0	98	20	57	29	33	3.63	....	1.61	0	9	....	....	....	....	J. Frank Thomas.
Bowling Green, No. 2	Warren	469	3	....	....	....	....	....	....	....	3.54	....	1.69	0	14	....	....	....	....	Virgil M. Wahlin.
Brownsville, Lock 6	Edmonson	410	11	....	....	....	....	....	....	....	6.04	+2.94	1.03	0	10	....	....	....	....	T. A. Lewis.
Burnside	Pulaski	773	37	....	....	....	....	....	....	....	4.25	−0.64	1.72	0	7	....	....	....	....	Shelby Angel.
Carrollton, Lock 1	Carroll	422	29	....	....	....	....	....	....	....	3.84	+0.44	1.19	0	6	....	....	....	....	W. L. Patchell.
Cold Spring, Dam 36	Campbell	489	2	....	....	....	....	....	....	....	8.57	....	1.64	0	9	19	9	3	....	G. D. Glass.
Dix Dam, Burgin	Mercer	770	4	76.4	....	93	22	50	29	28	6.65	....	2.62	0	7	19	9	3	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	34	75.2	+ 0.3	93	18‡	55	2	32	5.61	+1.07	3.80	0	7	24	4	3	s.	Sidney Wood.
Frankfort	Franklin	560	36	76.7	− 0.2	94	22	55	29	27	9.80	+5.74	3.80	0	9	22	8	1	s.	M. E. Johnson.
Franklin	Simpson	691	33	80.0	+ 2.2	97	18‡	62	28	30	4.30	+0.20	0.90	0	8	....	....	....	....	Albert Purvis.
Gest, Lock 3	Henry	449	17	....	....	....	....	....	....	....	4.87	+0.85	2.31	0	....	....	....	....	....	Dr. Fidella Edwards.
Glasgow	Barren	780	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Grant, Dam 38	Boone	506	3	....	....	....	....	....	....	....	4.08	....	0.92	0	10	....	....	....	....	Bert Ice, s.
Greensburg	Green	841	35	76.0	+ 0.6	94	10‡	53	29	33	4.34	+0.09	1.54	0	11	6	2	23	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	26	....	....	....	....	....	....	....	7.43	+3.11	2.27	0	8	....	....	....	....	Miss Lulu Wood.
Irvington	Breckinridge	646	30	76.6	− 0.7	90	3‡	57	29†	30	3.48	+0.27	1.95	0	7	21	7	3	sw.	W. J. Piggott.
Jamestown	Russell	985	34	75.6	+ 0.2	93	10‡	54	29	32	5.65	+1.35	1.54	0	13	18	13	0	s.	William E. Grubbs.
Junction City	Garrard	1022	2	....	....	....	....	....	....	....	3.93	....	1.70	0	7	....	....	....	....	L. J. Venlinek.
Lancaster	Garrard	935	32	76.8	+ 0.2	93	20	56	29	28	2.34	−1.61	0.85	0	8	17	13	1	sw.	H. H. Willis.
Leitchfield	Grayson	685	32	75.8	− 0.1	90	21	58	29	21	5.16	+0.72	2.56	0	10	20	8	3	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	44	....	....	....	....	....	....	....	6.88	+2.17	1.64	0	7	....	....	....	....	Horace Cauder.
Little Mackman, Lock 8	Jessamine	523	17	....	....	....	....	....	....	....	5.31	+1.26	2.12	0	9	....	....	....	....	Andrew J. Keenan.
Lockport, Lock 2	Henry	476	18	....	....	....	....	....	....	....	2.17	−1.53	1.20	0	7	10	19	2	s.	U. S. Weather Bureau.
Louisville	Jefferson	525	55	77.3	− 1.3	92	20	57	30	25	2.68	−2.05	1.11	0	6	17	13	1	s.	Wm. J. Flint.
Do. (Cherokee Park)	Do.	534	18	74.6	− 1.4	90	20	55	30	24	3.71	....	1.10	0	7	....	....	....	....	C. R. Richardson.
Munfordville	Hart	600	3	....	....	....	....	....	....	....	2.57	−0.92	1.20	0	7	27	4	0	....	Sisters of Loretto.
St. John	Hardin	777	32	77.7	+ 1.7	99	11	54	29	35	7.03	+3.52	2.65	0	8	....	....	....	....	Ernest M. Searey.
Salvisa, Lock 6	Mercer	490	14	....	....	....	....	....	....	....	3.24	0.88	1.23	0	7	5	23	3	sw.	E. B. Wilson.
Scott	Kenton	900	30	73.4	− 2.8	89	20†	53	30	28	7.30	+3.17	2.75	0	11	21	3	7	sw	Miss Ruth Rotta.
Shadyside	Shelby	825	39	74.6	− 2.8	96	16	52	29	37	4.46	+0.19	1.94	0	9	17	11	3	so.	E. P. Romine.
Taylorsville	Spencer	489	28	[b]76.2	+ 0.1	92[b]	20	54[b]	30†	30[b]	5.65	+1.11	2.41	0	9	....	....	....	....	H. K. Vaughn.
Tyrone, Lock 5	Anderson	526	10	....	....	....	....	....	....	....	4.55	+0.87	2.10	0	12	15	14	2	w.	Mrs. E. S. Hundlong.
Williamstown	Grant	943	25	75.6	− 0.1	92	18	55	29	29	6.39	+3.23	1.12	0	12	....	....	....	....	J. C. Stinson.
Woodbury, Lock 4	Butler	543	11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Eastern Division.																				
Ashland	Boyd	534	11	76.0	− 0.1	94	21‡	56	29	27	2.35	−1.7	0.80	0	10	19	0	12	s.	Curtis Purvis.
Beattyville	Lee	650	24	76.0	+ 0.1	93	20†	57	1	28	6.91	+2.16	1.29	0	10	5	25	1	sw.	Robert S. Smallwood.
Berea	Madison	1070	26	75.1	− 1.0	92	11	51	29	28	6.81	+2.22	1.79	0	10	....	....	....	....	Samuel M. Mayfield.
Berea	Madison	601	18	....	....	....	....	....	....	....	3.81	....	0.30	0	8	....	....	....	....	Kelly Walden
College Hill, Lock 11	Harrison	634	10	....	....	....	....	....	....	....	4.29	+1.08	1.32	0	8	....	....	....	....	P. H. Kehoe.
Cynthiana	Pendleton	600	39	....	....	....	....	....	....	....	3.20	−0.45	0.93	0	9	....	....	....	....	J. W. Oldham.
Falmouth	Pendleton	665	20	[a]74.0	− 0.7	95[a]	25	53[a]	80	35[a]	2.49	2.17	1.23	0	8	20[a]	8[a]	2[a]	e.	Mrs. R. F. Stamper.
Farmers	Rowan	665	20	[a]74.0	− 0.7	95[a]	25	53[a]	80	35[a]	4.59	....	1.70	0	8	....	....	....	....	C. A. Glascock
Flemingsburg	Fleming	841	3	....	....	....	....	....	....	....	6.81	+2.13	3.11	0	9	....	....	....	....	John A. Walters.
Ford, Lock 10	Clark	593	12	....	....	....	....	....	....	....	3.47	....	1.34	0	9	....	....	....	....	Col. Frank Powers.
Grayson	Carter	589	3	....	....	....	....	....	....	....	3.05	....	0.70	0	9	....	....	....	....	T. Mitchell.
Greenup, Dam 30	Greenup	540	8	....	....	....	....	....	....	....	2.12	....	0.85	0	9	....	....	....	....	Chas. O. Ihrig.
Harrodsburg	Perry	869	4	....	....	....	....	....	....	....	7.04	+2.62	1.26	0	11	....	....	....	....	S. C. Cole.
Hazard	Lee	664	11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Carl Mosher.
Heidelberg, Lock 14	Knott	1032	3	....	....	....	....	....	....	....	3.29	....	1.43	0	9	....	....	....	....	G. B. Davidson.
Hindman	Letcher	1566	3	....	....	....	....	....	....	....	3.13	−0.32	1.18	0	8	....	....	....	....	Rosetta Copley.
Jenkins	Lawrence	884	24	....	....	....	....	....	....	....	3.67	−0.63	1.11	0	9	15	12	4	s.	Perry E. Leonett
Louisa	Lawrence	524	31	76.2	− 0.6	96	11	54	29†	33	3.28	−2.09	1.68	0	6	20	11	0	....	Matthew Woodson.
Maysville	Mason	1128	32	76.8	+ 2.0	100	11	57	2‡	36	7.71	+2.65	3.65	0	10	22	6	3	w.	W. R. McKee.
Middlesboro	Bell	930	28	74.9	− 0.9	93	18†	52	29	38	3.46	....	1.01	0	7	....	....	....	....	Andrew M. Stanforth.
Mount Sterling	Montgomery	497	6	....	....	....	....	....	....	....	4.58	+0.46	2.12	0	6	....	....	....	....	Robert Rogers.
Oneonta, Dam 35	Campbell	656	22	....	....	....	....	....	....	....	4.40	....	1.23	0	9	....	....	....	....	F. C. Hall.
Pikeville	Pike	640	3	....	....	....	....	....	....	....	6.88	....	2.18	0	10	....	....	....	....	R. W. Jones.
Prestonsburg	Floyd	640	3	[a]78.1	....	99[a]	19	57[a]	31	36[a]	6.95	−2.09	1.63	0	8	....	....	....	....	Walter P. Bush.
Quicksand	Breathitt	722	3	....	....	....	....	....	....	....	69.5	−2.09	1.63	0	8	....	....	....	....	L. W. Crooke.
Ravenna, Lock 12	Estill	631	10	....	....	....	....	....	....	....	4.60	+0.56	1.86	0	10	25	2	4	....	R. P. Crawford.
Sturgeon	Madison	926	37	77.0	+ 0.3	98	21	57	29	26	3.32	....	1.52	0	11	13	14	4	sw.	Thos. Sullivan.
Vanceburg	Lewis	1235	5	75.4	....	91	10†	58	2‡	28	5.85	+1.75	2.28	0	9	....	....	....	....	H. M. Pannie.
Vanceburg	Lewis	541	15	....	....	....	....	....	....	....	4.42	−0.35	0.90	0	9	....	....	....	....	C. H. Zimmerman.
Valley View, Lock 9	Madison	595	13	....	....	....	....	....	....	....	2.77	....	0.96	0	7	....	....	....	....	Lawrence E. Uhl.
Van Lear, Dam 32	Letcher	1112	3	....	....	....	....	....	....	....	3.86	−1.18	1.20	0	7	24	6	1	....	W. C. Combs.
Whitesburg	Letcher	920	31	77.2	− 0.5	96	19	58	30	33	7.00	....	2.60	0	7	....	....	....	....	....
Williamsburg	Whitley	1100	3	....	....	....	....	....	....	....	4.07	−0.10	3.80	0	8	17	10	4	s.	....
Willow Lock 13	Lee	611	9	77.0	+ 0.1	100	11	50	29	37	....	....	....	....	....	....	....	....	....	....
State averages and extremes		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

All temperature data are taken from self-registering thermometers.

Dashes indicate record not taken; estimated or incomplete. Averages are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or district means.

Departures from normal (means entered in record for the month) are computed for the same number of years as the means.

Figures in parentheses, thus (3), in connection with the data indicate number of days missing; for example, 5 represents two days, etc.

Letters a, b, c, etc., appearing in the table indicate number of days missing; for example, 5 represents two days, etc.

T Precipitation is less than 0.01 inch rain or melted snow. [illegible] Lone Oak

[a] Record for less than full month. [illegible] Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River. [illegible] Scott, Independence, Ky.

[b] Also on other dates. [illegible] Received too late to be included in means and summaries. Locks 5, Nicholasville Ky.; Lock 10, Red House Ky.; Lock 11, Heidelberg, Ky.

[c] Part of the address: 8.—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 9, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

July 7.—A rather brilliant and unusual display of aurora borealis was seen in the [illegible] ordinary accumulation of water in the streets, sometimes as much as four feet in dept

July 13.—Excessive rains caused further damage in Fayette, Clark, Madison, M

July 15.—A storm visited the [illegible] counties, causing 3 1-2 hours in Franklin and Woodford counties. [illegible] cer, and Nicholas counties to cross and land. Basement were again flooded at Le

July 16.—Excessive rains [illegible] damage to crops and roads. One bridge [illegible] inston.

July 26-27.—A crest of 29.5 feet occurred in the Kentucky River at Frankfort on the [illegible] age over-flowed the local [illegible] and 30.1 feet in the Ohio at Cloverport on the 4th, both slightly under flood sta

July 28.—Excessive rains [illegible] The loss was estimated at $50,000. At Frankfort, where the rain-[illegible] fall was 4 inches, basements and lower floors of buildings were flooded by the extra-[illegible] ordinary rainfall.

Daily Precipitation for July, 1928.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
ayer Dam ‖ G						.51		.10		.15			1.50	.50									.20					.20				3.16
lham G						.25		.08	T.		T.		1.51							T.	.01	T.	T.			T.					1.85
rlington G					T.			.25				.06	1.27	.02																	1.60
nville G								.42	.38		.91		.03								T.	.07					.31				3.61
kinsville ‖ C								T.	.57	.18		.27	.12	.61							.40		.12					.31			2.58
ydeville M											.02	.16						1.16	T.							T.		.04			1.38
ton G								.45																							0.45
yfield M						.12				.20	.21								.47	.95											1.75
rray ‖ T					T.	.69	T.			T.	.11						T.	T.													2.64
nsboro ‖ O							T.	T.	T.		.20	.75										.82									1.62
nsboro, Dam 46 ‖ O											.15	1.05	.16									.08	.62				.62	.68			3.16
dbranch (west) ¶ O						.85					.16							.55				.09					.01	.01			1.47
dbranch ‖ O								T.					.08						.62								.02	.48			1.56
nchton G					T.		T.			.37	.01	.37						.18	T.		T.					T.	T.				0.93
nsey, Lock No. 2 ‖ G				.88		.07						1.20	.16																		1.83
ssellville ‖ C				.03	1.48		.29			.21	.27		.06	.39							1.15	.35						.43			4.66
ntown, Dam 49 ‖ O								T.					.18							.48						.01	.03				0.73
Central Division																																
lison, Dam 45 ‖ O				.60	.05		.49	.14	.03		.01	1.40	.45									.41	.03				.04	.15			3.76
chorage O				.65			T.		.07		.09	.98								.04	.04	.25				T	.55				2.15
rdstown ‖ S				2.00						.15	.04	.17	1.80										.71			T.	.03	.03			4.43
wling Green ‖ G				.06		.60	1.15		.10		.48		.88						T.		.03		.25				.16	.12			3.63
wling Green, No. 2 ‖ G				T.		.20	1.61		.31		.42	.11	.22									T.	.18				.25	.14			3.54
nsville C				.19	.91	.22	.14		.03		1.69	.58	.37	.08					.72			.41	.12				.21	.09			6.04
rrollton ‖ (Lock No. 1) K				1.03	.02			.29	.02		.02	1.02	.90									.36	.45				.02		T.		4.25
ydegraff ‖ O				1.72				.30				.68	.11	.11						.52			.70								3.81
ld Spring, Dam 36 ‖																																
x Dam, Bargin ‖ K				.60			.88	T.		T.		.55	.68						T.	T.	T	1.19					.07	T.			3.87
bank ‖ C				1.51			.49	.03		.02	1.04	1.45	.01									1.29					.11				6.55
nkfort ‖ K				1.04					.11			.56	2.62										.52				.54	.22			5.61
nklin G	.90			1.76				.85	.10	T.	3.80	2.15	.76							T.			.38			T.	T.				9.80
st, Lock No. 3 ‖ K		T.		.10		.10			.85			.50									.75	.20			.35	.05					4.40
sgow				2.31				.51	.04			1.00	.26									.60					.03	.12			4.87
nt, Dam 38 ‖ O																																
nsburg G					.53			.17	.01		T.	.82	.63							T.	.01	.19	.02				.02	.38			4.08
gh Bridge, Lock No. 7 ‖ K				.35	.02			.02	.10		.61	.15	1.35						.10				1.54				.14	.03			1.84
rington K				2.27							1.12	1.71											2.19					.11			7.33
nton City K				.07		.22	.07	.47	.52			1.36						T.				.18				T.					3.48
nchester ‖ K				.10	1.04			.37	.01		1.02		1.54	.40						.20		.32	.61				.10	.28		.28	5.65
chmond G				1.25				.03	1.70			.15	.65										.12					.10			3.93
ssington *** K				.75	T.	.19	.05	T.	.05		T.		.85								.20	.20				T.	.05				2.84
bb Blackman, Lock No. 8 ‖ K				.02	1.88			.11	.07		.31	.35	2.21							.01		.11					.06				5.16
ksport, Lock No. 2 ‖ K	T.			1.53				.23	.35		T.		.70	1.68							.33		1.64			T.	T.				6.33
rsville *** O				2.08				.23				2.12	.28								.07	.11	.82			.07	.03				5.31
lo (Cherokee Park) O				T.	.61			.12	T.			.44	.76							.06		T				.03	.15				2.17
nderville ‖ O				T.	1.01			.04	.04			.11											.09				.32				2.58
dson ‖ K				.68		.70			.11		.55	.11	1.10										.40								3.51
viss, Lock No 6 ‖ K				.25				.15	.40			1.20										.32	.10				.15				2.57
tt L				1.75				1.05	.65			.10	1.40							.15			2.45				T.	.18			7.53
lbyville ‖ S				.53			.10					1.21								.15			.68				.80				3.24
glasville K				1.80	.01			.53	.68		3.62	2.75	.27										.01	.85			.01	.50			7.30
rose, Lock No. 5 K				.61	1.02			.06	.47	.46	.05		1.94						.06				.34				T.				4.46
liamstown L	.87			2.41	.02			.15	.24		.29	1.05	.05							.03			.81								5.45
odbury, Lock No. 4 ‖ G				.84						.04			2.19	.49						.06	.02		.38				.10	.69			4.55
Eastern Division				.69	.30	.62				.40		1.12	.40	.25				.53				1.10	.13			T.	.18	.67			6.39
hland ‖ O					.35				.02	.20		.80		.16						.10		.21		.26			.21	.04			2.35
nryville ‖ K				1.29	.01			T.	1.00		.02	.89	1.14						.09	T.		.51	1.09				.71	.03			6.91
ton K				.19	1.72			.27		.28	T.	1.04							.18	T.		1.79				1.28	.04			T.	6.81
nmond ‖ L	T.			1.20				.74	.30		.05	.08	.02							T.	T.	T.	.58				.17	Γ.			3.84
nesville L				1.06				.09				.95	1.32								.15	.62	.60					.10			4.29
mers ‖ L				.93				.33	.45		.03	.15									.01	.11					.26	.28			2.20
mansburg L				.16								.29	1.23									.50						.18			2.49
rd, Lock No. 10 ‖ K				.50				1.70		.15		.85								.75	.24	.15					.25				3.89
rsonl O				2.02				.67	.08		.03	.47	3.11									.09	.28				.65	T.			6.84
ssup, Dam 39 O				.45					.52		.12	.06	1.34									.09	.18				.27	.06			3.37
zard ‖ K				.27				.64	.27			.70										.13	.29		T.		.05				3.05
dsburg, Lock No. 14 K				.85	.03			.06	.25			.25	.18							T.	.04		.44					.02			2.12
rman K				1.26					1.02		.03	.35	1.05							.64	.08	.91	.08				.70	.03			7.01
kins K																																
ksville K				.28	.12				1.43					.55						.22		.30	.17				.10	.12			3.29
ssell O				.26				.02	.28		.32	1.18											.16				.15	.02			3.33
ddlesboro C				.37					.97		T.	.43	1.11							.33	.01	.06	.21					.18			3.67
nt Sterling L				.85				.03	1.05		.25	.56								.05	.03		1.50				T.	.15			7.71
nta Data 35 O				1.01								.60	.63							.19	.09	T.	.92				.02	T.			3.46
ville B	T.			.08				2.12	.86		T.		.86								T.		.18				.08				4.58
ksonl K				.29				.45	.36			1.23									.09	.04					.21	.10			3.40
rens, Lock No. 12 K				.77				.63	.21			.16	1.24						.45	.05	.79		2.18				.43				5.88
dmond K				1.08	T.			T.	.82		T.	1.63	.81								T.	.15	.38				1.10	.15			6.96
ge K				1.86				.01	.60		.64	.14	.52								.02	1.61	.60				.66				4.60
ley View, Lock No. 9 K				.05	.06				.34	.63		.46	.06						.07	.27	1.52		.23				.28				3.22
nesburg, Dam No. 32 O				1.73				.01	.04		.01	.75	2.23						.01			.07			.08						4.85
tsburgh L					.26				.77				.90	.81							.02	.28	.06					.27				2.42
lliamstang ‖ O					.99				.22	.03				.58	T.								.40				.16	.06			2.75
low, Lock No. 13 K					.70	.58			.09	.06				.29									1.20				.07				2.86
					1.05				.55		.10	.30		3.60						.10			1.75								7.60

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

‖ Co-operative mark (*). Regular Weather Bureau station, precipitation is for the 24-hour period, midnight to midnight.

¶ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Seepage data of falls not recorded. T. Trace, or less than .005 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (Sc) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

*Lone Oak.

st in the Green were as follows: Munfordville 30.4 feet on the 1st; Woodbury 39.1 drove motor out in the low bottoms. In the Evansville district, which includes the Green to Ohio at above flood, on the 24; Ramsey, 38.3 feet, 4.3 feet above flood on the 4th; and the Cumberland section the Ohio at Smithland reached 38.4 feet, 3.4 feet above flood, on the 6th. This is the Wabash, it is estimated that 41,550 acres of crops were submerged with a loss of It also had a record in the Evansville district. The Ohio was also slightly above flood stage at Cairo, 40.2 feet, 2.2 above flood stage at Paducah and Cairo, and the Mississippi was at flood stage along the west border. The damage was nearly all to growing crops, which were overflowed and

Additional losses in the Cairo district will raise the amount to a total of at least $2,000,000

Daily Temperatures for July, 1928.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.	Maximum	89	92	96	95	96	91	94	88	91	96	96	94	84	84	86	90	92	94	94	97	92	98	92	91	90	92	93	85	81	85	92	91.3
Beaver Dam	Minimum	64	63	67	75	76	67	70	71	72	67	71	69	68	61	60	60	61	67	72	74	74	73	70	64	65	67	68	67	68	68	67	67.1
Calhoun	Maximum	86	90	91	90	90	91	96	89	90	92	90	90	81	82	84	87	91	89	91	93	89	91	89	89	88	89	87	90	82	76	85	90	88.5
	Minimum	64	66	70	76	74	70	73	72	72	70	72	70	68	63	61	62	66	72	73	73	73	75	69	69	69	71	71	71	69	67	64	71	69.6
Earlington	Maximum	89	91	94	94	91	94	94	89	89	95	93	92	85	88	85	88	98	91	94	95	94	95	89	89	91	91	91	91	83	79	85	91	90.2
	Minimum	64	66	72	74	79	76	72	71	73	67	71	68	69	63	59	61	67	71	74	74	74	76	71	71	71	71	71	71	68	66	64	71	69.6
Greenville	Maximum	87	91	95	95	..	..	92	90	97	91	92	88	..	90	96	94	89	90	90	91	91	91	91	91	89	88	82	78	85	89	90	90.8
	Minimum	64	64	68	75	77	..	72	71	66	70	66	68	..	59	61	66	70	71	72	72	73	71	73	71	70	66	66	65	67	66	61	66.7
Hopkinsville	Maximum	87	92	95	95	96	94	95	86	88	94	88	92	82	85	87	90	95	92	93	94	94	96	92	93	92	93	92	86	86	87	89	87.3
	Minimum	63	65	68	74	73	74	69	67	70	64	70	65	67	61	60	62	67	70	69	71	72	71	71	69	71	70	68	67	66	65	64	68	67.9
Loyalaceville	Maximum	87	90	92	91	92	90	92	88	88	91	88	89	81	81	82	85	90	88	89	91	89	91	89	87	86	88	90	91	84	84	92	92	90.6
	Minimum	65	72	74	76	78	77	73	71	72	70	72	69	68	64	65	68	68	71	70	72	72	73	72	71	68	68	65	65	64	64	69	69	70.6
Marion	Maximum	91	96	95	90	93	97	93	92	92	95	91	91	85	82	86	89	94	92	93	94	93	95	93	91	91	89	89	87	91	..	..	90.7
	Minimum	67	70	74	76	79	77	73	72	71	72	77	70	68	64	68	64	80	72	71	73	78	75	73	73	71	69	69	67	55	..	..	69.4
Mayfield	Maximum	90	93	92	92	93	93	93	93	91	93	93	93	84	84	86	90	93	88	90	91	88	90	90	88	85	75	73	64	64	69	69	67	55	88	93	90.6
	Minimum	65	71	73	76	76	76	77	71	73	68	71	69	69	64	65	66	69	67	69	70	71	71	71	69	71	70	68	67	66	64	64	64	54	59	61	66.6
Murray	Maximum	89	94	93	95	94	92	93	90	91	94	93	93	84	85	86	90	93	90	93	90	93	95	94	90	90	91	87	91	85	87	88	87.9
	Minimum	64	66	69	72	76	76	67	70	71	68	72	69	67	66	67	68	65	67	71	71	71	69	71	70	68	67	66	64	55	58	60	66.5
Owensboro	Maximum	89	87	91	88	88	90	92	90	88	92	91	90	79	80	83	87	91	90	91	92	89	92	87	86	86	90	93	88	84	87	92	90.9
	Minimum	64	68	67	73	74	70	71	70	70	67	68	67	66	61	59	60	66	70	71	71	70	73	65	65	68	68	67	66	64	55	58	60	64	68.7
Paducah (near)	Maximum	91	95	95	96	95	90	98	93	90	95	90	92	82	83	87	92	95	90	91	92	91	93	88	87	86	88	90	90	88	86	88	90	90	89.6
	Minimum	65	72	74	76	77	76	78	71	72	69	68	70	68	63	63	64	68	70	70	71	72	74	70	70	71	71	73	71	69	67	66	67	66	67	68	69.6
Princeton	Maximum	85	88	90	91	91	89	92	88	87	91	90	89	81	80	81	85	88	87	90	91	92	92	87	86	86	87	89	87	86	86	87	87	87	87.1
	Minimum	65	66	70	72	74	74	71	71	71	68	71	69	68	63	63	64	68	70	71	71	71	73	71	69	71	71	73	71	69	67	66	67	66	67	68	69.4
Russellville§§	Maximum	87	90	94	92	93	93	94	91	91	90	94	91	82	82	84	88	92	92	92	92	94	98	94	91	91	90	90	88	89	89	90	87	86	87	88	89.3
	Minimum	62	63	66	72	75	66	68	70	70	65	69	66	69	61	60	62	66	71	72	72	72	71	71	68	65	68	70	69	68	59	58	59	60	66.8
Central Division.	Maximum	84	87	90	82	87	88	92	86	87	91	92	89	76	82	86	87	90	91	91	93	90	91	90	91	89	89	90	87	78	75	83	89	87.1
Anchorage	Minimum	60	68	68	71	72	68	67	68	70	68	67	65	66	59	57	59	62	68	70	70	69	72	65	62	61	68	69	66	61	55	55	57	59	63.9
	Maximum	84	88	91	88	87	88	93	91	85	91	92	90	80	81	84	86	90	91	91	93	91	93	92	91	91	91	91	91	88	90	91	88	80	79	83	90	87.9
Bardstown	Minimum	61	60	62	71	67	66	69	70	70	67	69	68	68	59	57	59	64	67	70	70	69	72	68	68	67	68	68	67	66	64	65	66	64	64	68	68	66.4
	Maximum	90	92	96	92	96	90	95	91	88	96	91	91	83	86	87	92	92	90	96	96	98	91	96	92	92	98	96	87	88	90	91	88	80	79	83	90	87.1
Bowling Green	Minimum	62	62	68	72	73	70	68	68	70	66	68	68	68	61	60	62	66	70	71	72	73	70	70	64	65	67	67	68	68	67	68	68	66	66	68	68	66.8
	Maximum	85	87	85	87	85	89	89	87	86	90	90	90	77	79	77	86	90	92	90	92	92	93	88	86	87	88	90	86	87	88	90	90	80	77	82	90	87.1
Dix Dam	Minimum	61	60	61	70	66	66	65	69	71	67	69	68	68	62	62	66	69	71	72	75	75	71	69	72	63	64	65	64	62	60	58	60	56	55	60	67.0
	Maximum	88	85	90	89	88	90	91	89	91	90	89	90	77	79	77	86	90	92	90	93	90	91	88	85	90	91	88	85	90	90	90	90	84	80	79	92	89.3
Eubank	Minimum	64	65	68	74	74	74	71	71	71	68	71	69	68	64	64	66	69	71	72	72	72	71	71	69	70	69	70	69	67	66	66	66	64	64	66	68	66.8
	Maximum	87	90	94	92	93	93	93	91	90	94	93	93	84	85	86	90	93	90	93	94	93	95	94	90	90	91	87	91	85	87	88	87	86	87	88	89	87.9
Frankfort	Maximum	82	87	89	89	85	88	92	92	92	86	91	93	88	76	79	85	87	89	98	93	98	94	91	74	71	73	72	65	65	67	72	66	65	66	68	70	66.5
	Minimum	61	60	62	72	66	64	60	67	70	67	66	68	67	61	59	62	62	69	71	74	71	73	72	65	65	67	72	68	65	55	57	60	56	55	60	67.0
Franklin	Maximum	89	91	95	94	96	93	96	90	89	96	94	93	83	86	88	91	96	97	95	97	96	94	93	91	88	88	87	88	86	87	88	87	86	87	88	91	91.4
	Minimum	64	64	68	74	77	68	69	69	71	68	70	67	69	65	64	64	68	78	74	76	74	72	68	67	69	70	70	70	68	66	67	68	66	67	68	69	68.4
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greensburg	Maximum	85	88	91	93	92	86	92	89	93	94	94	92	79	80	85	81	85	94	92	94	91	92	91	91	89	89	87	84	81	77	91	88.5
	Minimum	58	56	58	67	64	67	67	67	66	65	64	66	66	58	59	59	68	66	67	68	70	68	68	67	67	67	67	67	66	53	59	58	55	58	63.5
Irvington	Maximum	83	85	90	85	87	86	86	86	85	90	89	86	78	79	84	84	87	88	89	90	90	90	86	85	87	89	87	85	87	87	89	85	83	82	83	88	87.5
	Minimum	60	63	69	72	74	71	73	71	74	69	71	67	66	62	65	66	67	71	73	74	74	74	70	67	66	69	69	69	65	57	57	57	57	57	57	67.6
Ionetion City	Maximum	85	87	88	89	89	88	91	86	88	93	91	89	78	82	86	87	91	93	91	93	91	92	90	87	89	88	90	87	86	87	86	84	82	82	83	88	88.2
	Minimum	57	55	58	68	63	60	68	65	67	64	65	66	65	59	55	58	61	63	64	66	68	66	63	61	61	61	61	61	60	54	58	57	55	54	58	61.0
Leitchfield	Maximum	84	87	90	89	88	89	90	88	90	91	91	90	80	81	84	87	90	90	93	96	94	95	92	90	91	91	92	87	89	88	90	87	86	87	86	88	88.4
	Minimum	61	60	66	68	72	67	71	69	71	68	70	68	67	62	63	64	66	68	73	73	73	70	70	69	70	72	71	71	69	66	68	66	64	64	66	68.4
Lexington	Maximum	80	85	85	82	82	85	89	85	87	91	91	90	80	81	84	86	89	90	93	92	91	92	90	89	90	91	90	87	86	87	87	86	77	73	82	86	85.8
	Minimum	66	67	69	69	63	71	71	69	70	69	69	66	63	60	61	64	66	68	71	73	72	73	73	71	71	71	71	71	70	69	70	71	67	58	57	64	68.8
Louisville	Maximum	84	85	89	81	86	87	90	84	86	92	91	87	78	80	84	86	88	90	89	92	91	92	90	89	90	91	90	87	86	87	87	86	77	73	82	86	85.8
	Minimum	66	64	69	74	67	68	72	72	72	73	68	68	64	65	67	67	74	75	76	78	78	78	74	68	69	71	72	72	70	71	72	72	70	71	72	72	71.4
16 (Cherokee Park)	Maximum	80	82	86	87	83	83	86	86	87	88	87	87	79	76	79	82	83	86	90	93	92	93	90	89	90	91	90	87	86	87	86	84	74	72	78	84	85.7
	Minimum	63	61	65	72	66	66	69	70	70	66	70	67	67	60	60	61	64	69	72	73	73	70	70	67	66	65	67	66	63	64	66	63	64	56	57	63	65.1
St. John	Maximum	89	89	92	97	96	90	90	90	90	98	99	92	84	84	84	86	94	94	96	98	98	98	93	89	89	90	91	88	90	90	91	88	78	74	76	82	92.8
	Minimum	60	58	71	68	66	68	68	67	68	67	68	67	66	64	64	66	67	68	69	71	70	70	68	67	68	68	68	68	66	66	66	59	54	53	54	64	64.0
Scott	Maximum	80	82	85	82	82	85	86	86	87	88	88	87	82	82	84	86	88	88	89	89	88	83	82	84	86	84	82	82	84	86	84	72	74	76	82	88	87.1
	Minimum	61	61	65	75	65	63	65	66	66	70	65	71	65	64	60	60	61	60	60	71	72	69	70	67	67	68	68	67	66	65	66	64	65	66	70	72	67.2
Shelbyville	Maximum	84	81	89	84	87	89	91	86	85	89	91	90	76	81	86	90	91	92	90	92	92	93	91	90	92	93	91	87	87	89	93	89	78	75	80	88	87.1
	Minimum	57	55	58	57	63	61	62	66	69	65	68	65	64	58	57	59	62	62	69	71	68	69	68	66	66	67	68	66	64	64	65	66	66	66	70	73	64.2
Taylorsville	Maximum	84	86	90	86	88	87	90	86	86	87	86	86	78	81	84	87	88	88	85	..	92	90	90	86	86	85	86	86	86	70	73	81	82	84	84	87.2
	Minimum	69	59	60	71	73	64	68	68	69	69	68	66	70	61	60	59	64	69	71	72	73	72	72	68	68	68	68	68	68	68	69	70	68	68	69	70	67.6
Williamstown	Maximum	84	86	88	86	83	88	89	88	88	89	90	90	77	79	83	85	87	89	91	92	91	89	88	85	86	86	86	86	86	70	72	74	76	81	86	86.6
	Minimum	64	63	65	73	64	66	67	69	70	66	71	67	66	60	59	64	63	69	71	73	69	73	68	68	68	68	68	68	68	68	69	70	68	68	69	70	68.0
Eastern Division.	Maximum	79	83	88	90	88	84	86	89	92	86	90	91	88	76	79	83	86	88	90	93	94	90	94	89	86	87	90	87	79	72	80	86	86.6
Ashland	Minimum	59	61	64	68	67	65	65	67	69	64	69	66	66	62	60	62	62	64	68	73	76	72	69	68	70	72	69	68	67	59	57	58	57	58	63.8
	Maximum	83	86	90	89	88	89	90	90	89	92	90	90	80	82	85	87	90	90	92	93	93	91	91	88	88	90	92	90	86	86	86	80	81	80	83	86	88.2
Beattyville	Minimum	57	58	62	68	66	64	63	65	66	63	67	65	67	62	58	62	62	67	68	69	69	69	68	70	70	70	70	70	68	63	65	68	68	58	58	58	64.2
	Maximum	80	84	86	89	85	85	88	87	86	87	92	86	86	87	87	87	90	91	90	92	91	91	87	85	89	90	90	87	86	85	87	82	76	79	86	86	85.7
Berea	Minimum	58	57	62	69	63	64	70	72	76	67	71	67	67	60	57	58	63	66	68	71	72	72	73	69	69	69	70	70	68	66	66	64	63	63	63	64	65.5
	Maximum	81	85	88	84	85	83	89	89	89	90	90	90	78	78	83	86	88	88	89	90	92	91	91	87	87	89	95	90	88	83	82	84	85	84	78	81	88.8
Berea	Minimum	56	56	59	64	63	62	61	62	65	65	63	65	65	59	54	54	57	62	65	66	68	68	62	61	62	69	65	64	63	63	63	..	..	..	..	..	..
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Farmers	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maximum	83	88	90	87	87	89	91	90	89	91	96	86	80	80	84	87	89	91	90	94	92	92	89	90	91	90	89	85	81	83	80	88.2
Hindman	Minimum	58	60	62	69	66	62	64	65	68	66	68	66	67	59	58	59	61	64	69	72	68	71	71	66	64	66	71	65	64	56	54	56	54	54	59	64.1
Maysville	Maximum	85	87	91	92	88	87	96	96	87	88	100	90	88	84	85	85	91	91	93	90	89	89	90	88	89	89	90	88	86	86	86	85	83	84	86	89.8
	Minimum	58	60	62	69	66	62	64	65	66	66	68	66	67	59	58	59	61	64	69	72	68	71	71	66	64	66	71	65	64	56	54	56	54	54	59	64.1
Middlesboro	Maximum	90	94	94	91	88	92	96	96	87	88	100	90	88	84	85	85	91	91	93	90	89	89	90	88	89	89	90	88	86	86	86	85	83	84	86	89.8
	Minimum	57	58	62	69	66	62	64	65	66	66	68	66	67	59	58	59	61	64	69	72	68	71	71	66	64	66	71	65	64	56	54	56	54	54	59	64.1
Mount Sterling	Maximum	83	86	89	87	85	88	87	88	87	89	92	87	77	78	84	87	89	91	90	92	90	91	92	90	91	92	93	90	88	86	87	90	88	86	87	90.1
	Minimum	55	57	60	69	62	66	67	66	67	67	67	67	67	56	53	57	60	62	67	69	67	69	69	67	68	68	68	68	66	64	62	63	60	57	60	65.1
Quicksand	Maximum	91	90	98	90	94	89	93	89	88	93	96	92	83	85	87	90	93	94	93	96	94	94	91	91	91	91	91	90	88	88	88	88	87	87	87	91.1
	Minimum	58	59	62	65	63	65	63	63	66	69	69	64	67	64	62	64	67	68	70	71	70	71	70	70	70	71	71	70	68	67	66	67	66	66	66	67.0
Richmond	Maximum	84	86	89	87	86	87	88	88	89	91	90	89	74	80	85	85	91	90	89	92	91	91	91	91	91	91	91	91	90	88	88	88	87	87	87	89.1
	Minimum	60	61	66	72	65	67	68	71	69	66	71	69	69	62	61	64	65	70	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71.0
Sergeant	Maximum	86	86	89	85	86	87	86	87	89	90	90	90	85	79	82	85	87	89	90	92	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91.0
	Minimum	62	58	61	68	62	67	61	66	68	62	68	64	66	62	58	60	62	63	68	70	68	70	68	64	63	64	68	64	63	63	63	63	63	63	63	63	63.0
Williamsburg	Maximum	86	88	93	95	94	88	93	89	89	92	93	92	86	86	87	90	93	94	93	96	94	94	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91.0
	Minimum	59	59	60	67	64	64	65	68	69	68	64	68	68	63	61	62	68	66	67	69	69	67	68	67	64	63	69	70	60	58	60	58	60	64.8

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville. 8-28-28. 1100

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIII LOUISVILLE, KY., AUGUST, 1928 No. 8

GENERAL SUMMARY.

Temperatures averaging somewhat above normal, and without marked extremes, favored the progress of all crops. Precipitation was generally sufficient for the needs of vegetation in the eastern and central counties; but incipient drought of more or less severity, depending largely on character of soil and exposure, prevailed in most of the western division. The total rainfall at some western stations for the six weeks preceding the rain at the close of this month was only about 2.0 inches. Corn "fired" irregularly but quite extensively in the dry district, with considerable resulting injury; while the growth of tobacco and cotton was retarded. Crops on hillsides and thin lands in the central counties also suffered at times from dry weather. In some eastern localities there was complaint of too much rain. This favored the development of rust on tobacco which resulted in premature ripening. Cutting began about the middle of the month, and had made considerable progress by the end. Weather conditions were favorable for housing and the beginning of the curing process. Because of the dry weather in the western districts, corn that was planted after the cessation of the June rains grew so slowly as to make its maturity problematical. Cotton also made slow progress, partly because of delay in cultivation and partly on account of dry weather. Showers in that section late in the month were beneficial to the crop; but were not heavy enough to entirely relieve the droughty conditions. Pastures continued good in the eastern half of the State and the upper Green River Valley, but they dried rather generally westward. Except in some eastern localities, there was little interference by rain with threshing and haying. Field tomatoes, gardens, and truck suffered for rain in the western counties. Conditions were favorable for handling fruit.

TEMPERATURE.

Based on reports from 43 stations, the average temperature for the State was 77.0°. This is 1.4° above normal, and the same as the average for July preceding. Except for a few brief intervals, daily means were generally above normal. Moderate maxima were the rule; but minima above normal predominated, with warmer nights than usual in this month. This feature of the temperature hastened the maturity of corn. The extremes were 101° at Quicksand on the 7th, and 54° at Greensburg and St. John on the 23d.

PRECIPITATION.

The records of 80 stations gave a precipitation average for the State of 4.33 inches, which exceeds the normal by 0.62 inch. In the western third of the State, and in some extreme northern counties, between 1.5 and 3.0 inches occurred. In the central and eastern districts, precipitation ranged from 4.0 to 6.0 inches, and was generally in excess of normal. A few localities in the south-central and eastern counties received from 6.0 to 7.5 inches. The 1st-8th constituted a local shower period, in which heavy rains occurred in places. Showers were fairly general and often heavy in the periods 16-19th, 23d-25th, and 30th-31st. Extremes for the State were 1.60 inches at Earlington and 7.35 inches at Eubank. Most of the showers were attended by thunder, which was reported on 12 days.

MISCELLANEOUS.

Aug. 10. A farmer was killed by lightning near Somerset after taking refuge in a barn. Lightning killed a horse and burned a barn near Lafayette, Christian County, and burned a barn near Judy, Montgomery County.
Aug. 14. Lightning burned a residence at Cadentown.
Rivers.—The usual summer stages, with no important fluctuations, prevailed in the Ohio and tributary streams.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind.* Total movement.	Ave. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.01	30.22	31	29.80	10	4058	5.5	31	nw	21
Cincinnati ..... Ohio	30.03	30.24	31	29.74	21	3395	4.6	32	s	21
Evansville ..... Ind.	30.04	30.24	31	29.83	10	4508	6.1	32	nw.	10
Lexington ..... Ky.	30.04	30.21	28	29.79	11	6222	8.4	30	w.	4
Louisville ..... Ky.	30.04	30.24	31	29.78	10	5195	7.0	28	se.	23

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of sunshine.	No. of hours possible.	Percentage of possible.	Number of days with: 80 per cent or more.	30 per cent or less.
Cairo ..... Ill.	88	66	73	275.5	420.0	66	15	6
Cincinnati ..... Ohio	87	61	70	298.5	*423.5	71	10	4
Evansville ..... Ind.	85	60	64	300.3	421.7	71	14	3
Lexington ..... Ky.	88	67	..	202.0	421.5	48	5	7
Louisville ..... Ky.	88	63	70	298.9	421.7	71	15	3

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature. Monthly average.	Departure from 43-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 43-year normal.	No. of days with .01 in. or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	70.6	−5.0	100	43	1.23	−2.48	..	..	..	..	..
1890...	73.2	−2.4	101	44	6.16	+2.45	..	..	..	..	..
1891...	72.9	−2.7	105	43	5.82	+2.11	..	..	..	..	..
1892...	75.4	−0.2	96	45	3.13	−0.58	..	..	..	..	..
1893...	74.8	−0.8	99	48	1.72	−1.99	..	..	..	..	..
1894...	77.1	+1.5	105	41	3.02	−0.69	5	..	..	..	..
1895...	76.6	+1.0	102	49	2.15	−1.56	6	16	10	4	0
1896...	77.1	+1.5	105	41	2.83	−0.88	9	19	8	4	0
1897...	75.2	−0.4	101	49	2.33	−1.38	7	18	10	3	0
1898...	76.7	+1.1	100	55	3.83	+0.12	6	18	10	3	0
1899...	78.1	+2.5	102	51	3.09	−0.62	6	16	11	4	0
1900...	80.4	+4.8	104	52	2.74	−0.97	12	19	10	2	0
1901...	75.5	−0.1	101	50	5.12	+1.41	7	12	9	10	0
1902...	75.6	0.0	103	45	2.48	−1.23	8	16	10	5	0
1903...	75.5	−0.1	100	49	3.27	−0.44	8	13	11	5	0
1904...	75.2	−0.4	100	45	2.64	−1.07	9	15	8	8	0
1905...	75.5	+0.1	99	42	3.82	+0.11	10	16	8	7	0
1906...	77.4	+1.8	99	45	4.37	+0.66	10	13	9	9	0
1907...	74.8	−0.8	99	48	4.27	+0.56	6	15	7	9	0
1908...	76.3	+0.7	104	49	2.79	−0.92	7	16	8	7	0
1909...	76.9	+1.3	104	45	2.60	−1.11	6	19	8	4	0
1910...	74.0	−1.6	100	46	2.72	−0.99	10	18	7	6	0
1911...	76.2	+0.6	106	45	4.03	+0.32	13	13	7	11	0
1912...	73.7	−1.9	98	43	4.71	+1.00	7	14	8	9	0
1913...	78.0	+2.4	108	44	2.81	−0.90	12	16	9	6	0
1914...	76.0	+0.4	100	49	5.94	+2.23	14	13	8	10	0
1915...	71.3	−4.3	100	42	6.29	+2.58	9	9	10	12	0
1916...	77.0	+1.4	103	47	4.25	+0.54	8	14	10	7	0
1917...	73.9	−1.7	100	42	3.49	−0.22	8	16	8	7	0
1918...	80.2	+4.6	111	50	3.18	−0.53	8	17	9	5	0
1919...	75.6	−0.6	104	47	3.49	−0.22	13	17	8	6	0
1920...	73.4	−2.2	98	43	5.80	+2.09	10	10	10	11	0
1921...	76.0	−0.4	101	48	5.28	+1.57	6	16	9	6	0
1922...	75.2	−0.1	101	47	2.43	−1.28	12	16	8	6	0
1923...	75.4	−0.2	99	43	6.03	+2.32	12	13	10	8	0
1924...	76.5	+0.9	103	43	3.00	−0.71	7	21	6	4	0
1925...	76.5	+0.9	106	44	1.47	−2.24	5	21	7	3	0
1926...	77.3	+1.7	101	51	5.51	+1.80	14	12	10	9	0
1927...	71.1	−4.5	97	43	2.88	−0.83	8	12	8	11	0
1928...	77.0	+1.4	101	54	4.33	+0.62	11	14	10	7	0

Climatological Data for August, 1928.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall melted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	24	79.0	+ 2.6	97	7†	58	22	32	2.82	−0.49	0.90	0	10	22	4	5	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	24	77.9	+ 0.5	95	14	60	22	30	3.81	+0.16	1.23	0	14	6	22	3	sw.	W. A. Taylor.
Earlington	Hopkins	420	38	79.4	+ 2.3	96	7	59[b]	23	33[b]	2.18	−2.08	0.80	0	11	15[b]	14[b]	0[b]	s.	Brick Southworth.
Greenville	Muhlenburg	519	11	77.8	+ 1.1	100[b]	7	59[b]	23	33[b]	1.75	−1.69	0.39	0	9	8	16	8	se.	C. R. Lovell.
Hopkinsville	Caristian	524	32	79.8	+ 1.9	98	7†	59	22	33	1.75	−1.69	0.39	0	13	12	15	4	sw.	W. E. Graves.
Louisville	Ballard	.....	..	78.2	.....	94	28	63	22†	25	4.82	.....	1.48	0	6	8	16	7	sw.	B. Sallee.
Mayfield	Crittenden	571	30	78.4	+ 0.4	95	7†	61	22	27	3.37	+0.15	1.70	0	7	13	15	3	sw.	B. C. Paris.
Marion	Graves	364	19	79.9	+ 2.5	99	15	60	22	32	3.29	−0.28	0.68	0	6	10	14	7	s.	Mrs. C. R. Sowell.
Mayfield	Calloway	412	2	78.8	.....	97	28	57	22	33	2.55	.....	0.90	0	10	22	1	8	s.	Harry B. Arnold
Murray	Calloway	479	31	76.7	+ 0.4	93	7†	58	23	30	2.82	−0.54	0.81	0	9	.....	.....	.....	.....	Henry S. Berry.
Owensboro	Daviess.	479	.....	.....	.....	.....	.....	.....	.....	.....	2.67	.....	0.72	0	9	.....	.....	.....	.....	George McClemary.
Owensboro, Dam 46	Daviess	616	11	79.2	0.0	97	28	60	22	31	5.98	+1.12	2.17	0	11	16	8	7	se.	J. W. Lilley
Paducah (near)	McCracken	341	39	.....	.....	.....	.....	.....	.....	.....	3.61	+0.15	1.27	0	9	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	529	21	77.3	− 0.4	93	2†	60	22	27	3.04	−0.28	0.82	0	9	6	17	8	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	11	.....	.....	.....	.....	.....	.....	.....	4.18	−0.11	1.04	0	11	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2	Logan	590	17	78.2	+ 0.5	94[a]	3†	60[a]	22	30[a]	4.76	+2.12	1.77	0	10	22[b]	1[b]	6[b]	s.	Wm. Shelton.
Russellville	Union	314	.....	.....	.....	.....	.....	.....	.....	.....	2.44	.....	0.96	0	9	.....	.....	.....	.....	E. H. Morris.
Uniontown, Dam 40											4.07	.....	1.48	0	9	.....	.....	.....	.....	C. L. Moore.
Central Division.																				
Addison, Dam 45	Breckinridge	352	.....	.....	.....	.....	.....	.....	.....	.....	5.50	+1.61	1.40	0	9	20	6	5	sw.	C. E. Barret.
Anchorage	Jefferson	700	27	76.2	+ 0.5	93	9	55	22	31	5.67	+1.94	2.60	0	11	17	6	8	sw.	Mrs. Emily T. Sisco.
Bardstown	Nelson	637	31	77.0	0.0	95	28	57	23	31	2.81	−1.93	1.22	0	9	11	18	2	s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	500	39	79.1	+ 0.8	97	7†	59	23	34	3.42	.....	1.46	0	7	.....	.....	.....	.....	J. Frank Thomas.
Bowling Green, No. 2	Warren	469	3	.....	.....	.....	.....	.....	.....	.....	3.02	−1.08	0.97	0	10	.....	.....	.....	.....	Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	410	11	.....	.....	.....	.....	.....	.....	.....	6.69	+2.53	1.98	0	15	.....	.....	.....	.....	T. A. Lewis
Burnside	Pulaski	773	37	.....	.....	.....	.....	.....	.....	.....	4.54	+1.13	1.43	0	6	.....	.....	.....	.....	Shelby Angel.
Carrollton, Lock 1	Carroll	422	29	.....	.....	.....	.....	.....	.....	.....	2.12	.....	0.74	0	9	.....	.....	.....	.....	W. L. Patchell.
Cold Spring, Dam 36	Campbell	489	2	.....	.....	.....	.....	.....	.....	.....	5.46	.....	1.55	0	12	14	11	6	.....	G. D. Glass.
Dix Dam, Burgin	Mercer	770	4	77.2	.....	92	9†	60	23	28	7.35	+3.01	2.06	0	12	13	5	12	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	34	76.2	+ 2.4	92	9†	56	23	33	4.47	+0.75	1.36	0	13	18	3	11	w.	Sidney Wood.
Frankfort	Simpson	560	36	77.2	+ 2.2	94	9	61	14†	28	3.10	−0.44	0.85	0	7	19	11	1	s.	M. E. Johnson.
Franklin	Simpson	601	33	80.0	+ 3.2	94	2†	64	22†	25	3.80	−0.13	1.05	0	11	.....	.....	.....	.....	Albert Parvis.
Gest, Lock 3	Henry	449	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Fidilia Edwards.
Glasgow	Barren	780	7	.....	.....	.....	.....	.....	.....	.....	1.99	.....	0.55	0	8	.....	.....	.....	.....	Bert Ross.
Grand, Dam 38	Boone	506	3	.....	.....	.....	.....	.....	.....	.....	5.30	+1.18	0.92	0	14	3	3	25	ne.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	35	75.9	+ 0.6	95	6†	54	23	36	4.61	+0.56	1.72	0	16	.....	.....	.....	.....	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	550	26	.....	.....	.....	.....	.....	.....	.....	3.32	−0.15	1.72	0	8	15	10	6	sw.	W. J. Piggott.
Irvington	Breckinridge	646	30	76.6	+ 0.5	91	9†	58	23	29	5.07	+1.52	1.11	0	15	12	11	8	sw	William E. Grubbs.
Junction City	Boyle	985	34	75.8	+ 1.3	94	9	55	23	31	3.56	.....	0.73	0	14	.....	.....	.....	.....	L. J. Vanhook.
Lancaster	Garrard	1032	2	.....	.....	.....	.....	.....	.....	.....	2.67	−1.23	0.94	0	7	13	13	5	sw.	H. H. Willis.
Leitchfield	Grayson	635	32	77.4	+ 1.8	94	28	58	23	31	4.30	+0.85	1.50	0	10	9	15	7	sw	U. S. Weather Bureau.
Lexington	Fayette	989	44	75.2	+ 0.7	90	9	60	13	23	6.55	+1.88	1.41	0	14	.....	.....	.....	.....	Horace Canter.
Little Beckham, Lock 8	Jessamine	523	17	.....	.....	.....	.....	.....	.....	.....	2.83	−1.33	1.19	0	10	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Henry	476	18	.....	.....	.....	.....	.....	.....	.....	3.23	−0.19	0.96	0	11	11	14	6	s.	U. S. Weather Bureau.
Louisville	Jefferson	525	55	77.0	0.0	92	9	62	12	25	3.05	−0.74	1.08	0	10	14	11	6	s.	Wm. I. Hunt.
Do. (Cherokee Park)	Do.	534	18	75.0	+ 0.3	89	17	58	23	26	3.23	.....	1.18	0	8	.....	.....	.....	.....	C. B. Richardson.
Munfordville	Hart	600	3	.....	.....	.....	.....	.....	.....	.....	3.94	+0.09	1.38	0	10	24	1	6	.....	Sisters of Loretto.
St. John	Hardin	777	32	76.7	+ 1.8	99	11	54	28	36	7.11	+2.63	3.09	0	11	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6	Mercer	490	14	.....	.....	.....	.....	.....	.....	.....	3.05	−0.82	1.20	0	8	7	17	7	s.	E. B. Wilson.
scout	Kenton	900	30	74.5	− 0.3	90	9	57	12†	28	4.15	+0.61	1.11	0	14	15	2	14	s.	Miss Ruth Retta.
Shelbyville	Shelby	825	39	75.0	− 0.5	92	28†	55	22†	33	5.57	+1.70	1.94	0	12	17	7	7	n.	E. D. Bourne.
Taylorsville	Spencer	489	26	75.5	+ 1.2	90	5†	55	23†	29	5.29	+1.54	1.63	0	12	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5	Anderson	526	10	.....	.....	.....	.....	.....	.....	.....	2.49	−1.70	1.10	0	10	16	8	7	w.	Mrs. K. S. Hunsiong.
Williamstown	Grant	943	25	75.8	+ 1.6	92	9	57	12	27	2.48	−2.02	0.93	0	11	.....	.....	.....	.....	J. C. Stinson.
Woodbury, Lock 4	Butler	533	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ashland	Boyd	534	11	76.3	+ 1.8	94	30	59	20	25	6.25	+1.98	2.63	0	13	11	0	20	s.	Curtis Jarvis.
Beattyville	Lee	650	24	76.6	+ 1.5	95	6	61	23	28	4.58	+0.10	1.22	0	12	5	21	5	s.	Robert S. Smallwood.
Berea	Madison	1070	26	78.4	+ 1.0	89	3†	59	23	26	5.64	+1.06	1.20	0	14	.....	.....	.....	.....	Samuel M. Mayfield.
College Hill, Lock 11	Madison	601	18	.....	.....	.....	.....	.....	.....	.....	3.89	−0.47	0.86	0	14	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	10	.....	.....	.....	.....	.....	.....	.....	3.47	−1.11	0.88	0	14	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	39	.....	.....	.....	.....	.....	.....	.....	4.57	+0.81	1.51	0	10	.....	.....	.....	.....	J. W. Oldham.
Farmers	Rowan	668	20	74.3	+ 0.5	92[a]	5	56[a]	13†	29[a]	4.74	+0.32	1.59	0	10	17	5	9	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	3	.....	.....	.....	.....	.....	.....	.....	6.16	.....	1.61	0	10	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	593	12	.....	.....	.....	.....	.....	.....	.....	6.05	+1.53	1.53	0	15	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	3	.....	.....	.....	.....	.....	.....	.....	6.32	.....	1.56	0	11	.....	.....	.....	.....	col. Frank Powers.
Greenup, Dam 30	Greenup	540	8	.....	.....	.....	.....	.....	.....	.....	3.84	.....	0.86	0	12	.....	.....	.....	.....	T. Mitchell.
Hazard	Perry	869	4	.....	.....	.....	.....	.....	.....	.....	5.63	.....	1.28	0	14	.....	.....	.....	.....	Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	664	11	.....	.....	.....	.....	.....	.....	.....	4.76	+0.24	0.80	0	13	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Carl Napier.
Jenkins	Letcher	1566	3	.....	.....	.....	.....	.....	.....	.....	6.25	.....	1.33	0	14	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	584	24	.....	.....	.....	.....	.....	.....	.....	4.84	+0.95	1.56	0	15	.....	.....	.....	.....	Russian Cerney.
Maysville	Mason	624	31	76.4	+ 0.8	94	9	56	20	32	5.09	+1.03	1.37	0	14	13	7	11	s.	Harry E. Bennett
Middlesboro	Bell	1128	32	77.2	+ 3.0	99[c]	22	59[c]	25	34[c]	.....	.....	.....	.....	.....	18[c]	5[c]	2[c]	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	38	75.6	+ 1.5	93	4†	55	20	32	2.66	−0.31	0.75	0	13	12	11	8	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	6	.....	.....	.....	.....	.....	.....	.....	4.04	.....	1.28	0	11	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	22	.....	.....	.....	.....	.....	.....	.....	5.04	+0.97	1.16	0	11	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	3	.....	.....	.....	.....	.....	.....	.....	6.11	.....	1.67	0	12	.....	.....	.....	.....	Jesse C. Hall.
Quicksand	Breath it	732	3	77.8	.....	101	7	60	4†	33	6.20	.....	1.89	0	7	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	10	.....	.....	.....	.....	.....	.....	.....	6.15	+1.58	1.47	0	13	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	37	77.7	+ 2.2	95	9	62	22	26	4.38	+0.78	0.75	0	12	22[b]	2[b]	6[c]	.....	J. W. Crooke
Sergent	Letcher	1235	5	76.2	.....	91	2†	56	6	34	5.32	.....	0.80	0	19	7	11	13	sw.	R. P. Crawford.
Vanceburg, Dam 32	Lewis	525	13	.....	.....	.....	.....	.....	.....	.....	6.41	+2.28	1.00	0	19	.....	.....	.....	.....	Thos. Sullivan.
Whitesburg	Letcher	1142	3	.....	.....	.....	.....	.....	.....	.....	3.93	−0.31	1.23	0	16	.....	.....	.....	.....	H. M. Fannin.
Williamsburg	Whitley	939	31	77.6	+ 1.6	94	2†	60	21	30	5.28	.....	0.99	0	10	.....	.....	.....	.....	G. H. Zimmerman.
Willow, Lock 13	Lee	611	9	.....	.....	.....	.....	.....	.....	.....	5.75	+1.09	2.51	0	11	19	9	3	.....	Lawrence R. Uhl.
State averages and extremes		.....	.....	77.0	+ 1.4	101	7	54	23	36	5.20	+1.24	1.45	0	8	.....	.....	.....	.....	W. C. Combs.
		.....	.....								4.33	+0.62	2.63	0	11	14	10	7	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
‡ also on other dates. †† Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.
‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
* Post office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, N. Middlesville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

Daily Precipitation for August, 1928.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Lover Dam	G		.20		.35		.26	.10				.11						.15			.14			.10	.51						.96	2.82
Calhoun	G	.07		.91	.01	T.	.38		.01	T.							.14	.02	T.		.13		.05	.61	.06					1.51	3.84
Carrollton	G		T.		.06		.02	.60										T	.02		.10				.39						.59	1.69
Clarksville	G	.80		.28			.05	.12									.32	.03		.16				.14	.05					.16	.15	2.18
Cloverlick	M	.30					.14											.01	.05		.30	.94			.22						T	.30	1.75
Clinton	O					.49	.03		.10		.03				T		.19	.57	.02		.50	T		1.48	.01					.07	1.43	4.82
Dayfield	M			.33					.36									.30			.53			.38						1.70	.30	3.60
Murray	T.	T.				.53												.46			.60			.68							.96	3.29
Owensboro	O		.29		.56	T.	T.		.05							T		.11	T.	T.	.27		T.	.42						.60	.92	2.56
Owensboro, Dam 46	O		.30		.60	.02			.12									.13	.05	.27	.12			.81	T					.13	.11	2.82
Paducah (near *)	O	.20				.16			.33		.45				.15			.02			.44			.72						.04	.41	2.67
Paducah	O	.11					T.		.20			.08						.35	.02		.67			2.17						1.11	.32	5.08
Princeton	G	.01		T.	.01	.25		T		.12	T	T						.26	.14		.25	T.		.30	1.27					T	1.60	5.61
Ramsey, Lock No. 2	G		.03		1.04		.06	.62			.27							.15	T.		.82			.81						T	.72	.15	3.04
Russellville	G			.03		.50	.40	.52					.25					.06			.22			.14	.70						.08	.97	4.18
Smithtown, Dam 49	O	.01							T	.03							.03	.80	.05		.13			.53							1.77	4.78
Central Division																																
Addison, Dam 45	O		.06		.18	.02	.06		.99			T.								.20		.16			.62	T.					.17	2.44
Bethenarie	O	.65				10	.35	.75										T.	.70			T.		1.10	.84						1.48	1.07
Bardstown	S	.06			.15		.18		1.20										.60		.16			2.00	.05	.10				.20	1.65	5.60
Bowling Green	G		.17		T.		.49	.05		.20						T.		.16				T.	.12		.31					.02	1.32	5.67
Bowling Green, No. 2	G		.16				.34	.56		.35								T.	T.	T.	T.				.31					.02	1.32	2.84
Brownsville, Lock No. 6	G	.12			.97		.05			.17								.15	.13			.08		.25	.31					.11	1.46	3.42
Burnside	C		.22		.28	.40		.23	.11	.35		.06				.53	.87	.05	.09	.40					.79							3.02
Carrollton (Lock No. 1)	K	.59						.64	.64																1.98		.02				.98	6.69
Beaverport	O																	1.18						1.43							.56	1.54
Cold Spring, Dam 38	O	.07	.05	.74	.07	.28	.29	.44	T.																							
Dix Dam, Burgin	K	.53	.58				.32									T	.11		T											T.	.07	2.12
Elkhorn	C	.09	.19		.26	.95		.53	.29						.08	.08	.03	.19	.70					1.16	.37	.05					1.55	5.46
Frankfort	K	.51	.03		.05		.17	.30	.05								.33	.11	.33	.53					1.68						2.06	7.35
Franklin	G			.40					.15								T.	.01	.38	.50				.51	.65	T				.52	1.36	4.47
Gest. Lock No. 3	K	.26	.25				.48	.11	.54													.30					.50		.40	.50	.85	3.10
Glasgow	G															T.	.01	.28	.14					1.05	.04					T.	.58	3.80
Grant, Dam 38	O		T.	.40		.03			T	.12																						
Greensburg	G	.27	.92		.72		.04	.02	.27	.20							T	.17	.10					.50	.12						.55	1.99
Hitch Bridge, Lock No. 7	K	.20	.24	.07	.04		.11	.23	.02							.05	.05	.71	.49			.04			65						.88	5.30
Lexington	O	T		.10	.05	T.			T							10	.65	.10	.66					.70	.26	.07				.04	1.72	4.61
Junction City	K	.44		.08	.16		.19	.12			.04				.02	.10	.11	.19	1.11												.19	1.72	T.	5.32
Lancaster			.33		.52	.06		.25	.06							.05	.12	.04	.73	.86				.08	.60						.60	.73	5.07
Greenfield	G	T.		.11		.75								T					.43			.10		.10	.52						.01	.35	2.76
Lexington ***	K	.90		T.	T	.15	.07								.02	.06	.15	.46	.75				.21	T	.03						1.11	.41	4.50
Lake Blackmon, Lock No. 8	K	.35	.66	.54	T.	.44	T.	.13	.28			T.				.33	.12	.06	.32	.78				.34	.55	T				T.	1.44	6.55
Lockport, Lock No. 2	K	.06		T.		.01	.19	.57								T.	.08	.16	.10				1.19	T.					.01	.33		2.83
LOUISVILLE***	O	.22		.12	T.	.12	.17	.57								T.	.19	.52			.02		.47	.19	T.				T	.56	T	3.28
Do. (Cherokee Park)	O	.01		.10	T.		.16	.33									.08	.63			.03			1.08						.50	.03	3.05
Lunsford ville	G						.10			.15								.28	.42			.08			.92					.10	1.18	3.23
Mellon, Lock No 6	K	.25	.50			.58	.75	T.	T		.05					T.	T.	T	.50	1.10					1.08	.01				.27	1.58	3.94
Mount	L		1.20			.25	.22	T.									.10	.41	.10					.65	.15	.10				.48	2.05	7.11
Shelbyville	S		.20		.41	.10	.41	.21	.35	.01							.02		.09	.86		.03		1.11	.02					.11		3.05
Taylorsville	S			.44	.14	.14	.48	.25								T.	.06	.06	1.94		T.			1.02	.07					.92	.04	.83	4.15
Throme, Lock No. 5	K	.35			.06	T.	.18	.19								.06	.03	.82	.70					1.02	.07							.83	5.57
Williamstown	L	.12	.38					.04	.03										.29	.02				1.18	.17					1.63	.68		5.29
Woodbury, Lock No. 4	G		.04		.16	.05	.20												.10	.35	.15	.02		.02	.16						.13	.03	2.49
Eastern Division																															.93	2.48
Ashland	O	.32	1.11	.03		.30	.32	.12																								
Batty ville	K	.01	.03	T.	T.			.05	.20							.20	.28	.47	.76	1.22		T		.06	.40	T.				.15	.75	6.25
Boyd	K	1.07		.22	.14		1.01	1.20	.02							.17	.12		.83			.02		.78	T.					.06	T.	4.58
Catlettsburg	K	.05	.56		.10		.05	T.	T.			T.				.10	.15	.15	.32	.65				.12	.35	.03				.66	.30	5.64
Falmouth	L	.12	.28		T.		.10	.02	.88							.02	.02	.02	.40	.45				.31		.04				.06	.75	3.89
Farmers	L	.64					.36	.50									.05	.06	.67					1.51	.18					.43	.25	3.47
Georgetown	L	.24					.24	.10									.11	.46	.21					.52	.55					1.50	.70	4.59
Grahl, Lock No. 10	L	1.06		.22	.40		.15										.30	1.12	.60					.56						1.61	.20	4.74
Greyson	O	.11	.28	.60	T.	.08	T.	T.	T			.13				.53	.14	.08	.76	.24		T		.31	.61	.12				.50	.53	6.16
Hannup, Dam 30	O		.46	.84	.19	.08	.80										.57	.12		.39				.02	1.29						1.56	6.65
Hazard	K		.86	.67		.38	.04	.10		.50		.10					.09	.12							.25					.02	.71	6.52
Heidelberg, Lock No. 14	K			T.		.70	.09	.10	T.		T.	.02	.07			.27	.76	.20	.02	.62				1.28	.26					.26	.98	3.84
Hindman	K		.10					.04	.80							.45	.29	.24	.65	.66		.04		.03	.47					.23	.56	5.63
Hitkins	K																															4.76
Hisar	K					.35	.36		.25	.10					.68	1.31	.70	.63		.05				.23	.44					.18	.40	.44	6.25
Ivyville	B	.08	.26			.60		.15		.35		.05					.81	.06	.04	.26					.48	.08	.02		.01		1.56	4.84
Middlesboro	O	.28	.48	.01	1.37	.10	.28	.14	.02	T.							.07	.15	.21	T.					.20	.64				T.	1.10		5.89
Mount Sterling	C								1.02	.20						1.08	.05		.13						.46							
Peonta Dam 35	L	.05	.15	.10					.05	T.						.05	.16	.10	.50	.38				.15	.20	T.				.08	.75	2.70
Prestonville	O	.43	.21	.71	.01	.25	.40	.61											1.28					.31	.40					.03	T.	4.64
Prestonsburg	B	.28	T.			T.	.18	.32				T.				1.81	.16	.64	.32	.56		.16			.56	T.					.88	5.04
Jackson	K			.22		.96	.12	1.67								.33	.53	.23	.31	.50					.44	.04					.72	6.11
Quicksand	K							.85								.08	.60	.55		1.80					.48						1.89	6.20
Redmond	K	T.	.35		.32	T.		.60	T.			.15				.20	.15	.18	1.68	1.47				.10	.55	T.				.17	.88	6.15
Vicent	K		.40				.18	.02								.10	.22	.58	.72	.75				.15	.46	.05				T	.75	4.38
Riley View, Lock No. 9	K	1.40	.83	.11	.80	.36	.10	.05	.02		.03				.14	.10	.09	.25	.01					.20	.28		.12			.10	.14	5.32
Rockcastle, Dam No. 32	O					.34	.51	.32	.02								.19	.23	.71				.09	.45	.50			.68	.80			6.41
Somerset	K				.99	.40	.30									.40	.46	.47						.03	.47						1.23	3.83
Williamsburg	C				.88		.05	.15		.48						.03	.78	.65		.34				.30	.21						2.61	5.28
Wilgo Lock No. 13	K			.30			.60		.30							.30	.25	.90		1.40										1.11		5.75

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

; Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

*Lone Oak

Daily Temperatures for August, 1928.

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																
Beaver Dam	Maximum	90	95	92	94	95	92	97	96	98	95	91	89	89	98	88	92	92	87	90	94	86	88	92	82	84	89	93	97	94	89	74	90.7
	Minimum	71	70	73	71	73	76	70	71	68	69	68	65	61	64	66	65	66	70	69	64	66	58	60	65	63	66	68	71	65	67.2
Calhoun	Maximum	88	92	87	89	88	88	94	92	94	93	89	88	87	95	89	90	92	86	88	89	83	85	88	78	81	86	89	92	80	74	65	87.8
	Minimum	72	72	72	70	74	71	71	75	70	69	70	64	63	65	67	65	67	70	67	64	65	60	61	71	67	66	66	68	68	70	71	68.0
Carlisle	Maximum	90	94	92	93	93	95	96	98	94	94	90	87	88	91	90	91	93	88	89	90	87	87	94	85	90	87	92	95	92	85	78	90.4
	Minimum	73	75	73	73	70	72	70	69	68	68	66	63	66	68	65	68	70	70	70	65	..	59	61	72	67	65	65	67	70	75	66	68.3
Earlington	Maximum	88	91	91	90	..	93	100	91	93	92	...	86	86	95	89	89	92	84	89	92	80	82	92	80	83	85	91	97	95	89	73	189.8
	Minimum	70	69	71	69	..	68	70	69	67	67	...	65	62	65	66	64	65	69	68	68	65	60	55	70	65	64	60	66	67	72	65	466.3
Greenville	Maximum	88	91	91	90	92	93	100	91	93	92	93	94	94	95	97	89	90	89	92	84	89	92	82	85	84	90	94	98	96	89	55	92.4
	Minimum	70	69	71	69	..	68	70	69	67	67	65	62	65	66	64	65	69	68	68	65	66	62	62	72	65	64	60	66	68	72	65	67.1
Hopkinsville	Maximum	91	95	91	86	96	89	98	98	98	96	93	92	93	98	94	95	97	89	93	96	89	89	92	82	72	85	86	92	94	90	83	87.1
	Minimum	68	69	70	69	71	68	67	70	68	69	66	66	65	68	68	64	65	69	70	68	69	80	80	80	88	80	79	86	92	94	90	74	87.1
Lewisburg	Maximum	89	90	91	88	86	90	91	90	92	91	91	88	86	86	91	91	89	91	87	86	89	84	82	88	77	86	85	70	72	72	73	68	69.2
	Minimum	69	72	73	73	74	70	70	69	72	71	68	67	66	70	71	67	72	69	69	67	66	63	66	70	66	85	90	92	90	82	76	88.7
Loyalsville	Maximum	92	90	91	92	92	93	95	93	93	94	86	88	91	94	92	93	95	89	90	90	90	90	83	87	77	76	85	96	92	90	82	76	68.2
	Minimum	67	68	69	68	70	71	71	69	73	70	67	65	69	69	66	70	70	70	70	68	66	65	66	65	66	65	69	73	71	70	64	68.2
Marion	Maximum	91	93	91	89	93	91	94	93	97	94	93	94	95	97	99	96	95	89	92	97	90	93	96	87	81	93	95	96	94	89	76	91.7
	Minimum	67	68	69	68	70	71	71	69	73	70	67	65	69	69	66	70	70	70	70	68	66	65	66	65	66	65	69	73	71	70	64	68.1
Mayfield	Maximum	91	93	91	89	93	91	94	93	97	94	93	94	95	97	99	96	95	89	92	97	90	93	96	87	81	93	95	96	94	89	76	91.7
	Minimum	65	70	71	72	73	71	70	70	70	68	65	65	70	68	64	70	70	71	65	66	66	60	62	70	65	64	60	66	67	72	65	68.1
Murray	Maximum	96	96	95	96	95	91	95	92	96	93	87	90	94	95	92	93	95	90	92	93	82	85	83	84	85	73	72	85	84	90	91	79	71	87.4
	Minimum	70	68	68	67	72	69	69	68	67	69	65	67	64	66	64	62	65	71	70	67	67	57	60	71	67	66	64	66	68	68	68	71	62	66.9
Owensboro	Maximum	87	91	88	87	90	88	93	92	93	92	88	88	86	91	91	89	91	87	86	89	84	82	88	77	80	82	86	91	91	91	79	77	66	90.1
	Minimum	70	70	71	68	71	66	69	67	68	68	68	64	63	64	64	65	65	69	65	62	65	63	66	70	66	76	85	96	97	94	84	76	60	90.1
Owensboro, Court	Maximum	92	90	91	94	92	90	92	96	93	93	94	92	93	96	96	96	92	88	90	92	86	85	90	80	81	91	96	97	94	84	76	90.1
	Minimum	68	73	72	73	73	70	69	70	70	69	68	66	65	70	68	66	70	70	70	70	66	65	66	65	66	65	69	73	71	70	64	68.2
Paducah	Maximum	92	93	91	90	92	93	95	93	93	94	86	88	91	94	92	93	95	89	90	90	90	90	83	87	77	76	85	96	92	90	82	76	68.2
	Minimum	67	68	69	68	70	71	71	69	73	70	67	65	69	69	66	70	70	70	70	68	66	65	66	65	66	65	69	73	71	70	64	68.1
Princeton	Maximum	91	93	91	89	93	91	94	93	97	94	93	94	95	97	99	96	95	89	92	97	90	93	96	87	81	93	95	96	94	89	76	91.7
	Minimum	65	70	71	72	73	71	70	70	70	68	65	65	70	68	64	70	70	71	65	66	66	60	62	70	65	64	60	66	67	72	65	68.1
Russellville	Maximum	96	96	95	96	95	91	95	92	96	93	87	90	94	95	92	93	95	90	92	93	82	85	83	84	85	73	72	85	84	90	91	79	71	87.4
	Minimum	70	68	68	67	72	69	69	68	67	69	65	67	64	66	64	62	65	71	70	67	67	57	60	71	67	66	64	66	68	68	68	71	62	66.9
Sturgis	Maximum	87	91	88	87	90	88	93	92	93	92	88	88	86	91	91	89	91	87	86	89	84	82	88	77	80	82	86	91	91	91	79	77	66	90.1
	Minimum	70	70	71	68	71	66	69	67	68	68	68	64	63	64	64	65	65	69	65	62	65	63	66	70	66	76	85	96	97	94	84	76	60	90.1
Central Division																																
Auvergne	Maximum	84	91	89	91	90	88	86	90	93	92	87	88	85	89	81	82	91	76	85	88	82	85	85	78	77	84	86	90	89	76	73	85.5
	Minimum	70	68	70	69	70	68	69	69	70	67	67	59	60	58	66	66	64	69	65	69	67	58	58	68	67	64	66	68	66	67	62	62	66.5
Bardstown	Maximum	87	92	91	93	94	90	90	91	93	92	88	85	86	91	79	83	92	80	88	92	84	85	88	74	79	86	91	93	93	77	75	87.3
	Minimum	71	70	73	68	70	68	68	70	68	69	68	64	61	66	67	67	68	70	68	68	66	57	58	68	67	64	66	68	66	67	62	62	66.5
Bowling Green	Maximum	91	95	90	94	96	93	95	93	96	96	95	92	92	96	97	95	96	92	93	96	86	88	93	89	88	91	96	94	94	91	78	92.4
	Minimum	69	67	70	69	68	68	68	70	69	69	68	64	64	66	65	67	65	66	68	70	63	65	64	59	72	67	64	65	67	68	70	72	64	67.7
Dix Dam	Maximum	85	90	88	91	90	90	88	89	92	92	92	85	85	90	89	74	89	77	86	90	86	86	86	85	77	90	88	92	92	85	82	87.5
	Minimum	70	70	73	72	71	71	68	70	67	67	73	65	61	62	68	67	70	70	68	68	62	68	62	68	65	64	67	70	68	64	62	64	62	64.9
Eubank	Maximum	87	90	89	90	84	91	90	91	92	91	90	88	87	92	76	78	91	88	86	87	86	87	89	85	85	89	85	91	91	92	85	82	87.5
	Minimum	59	66	69	67	65	67	64	67	68	70	64	64	60	63	68	67	67	67	66	67	67	62	69	70	68	64	62	64	66	64	62	64	64.9
Frankfort	Maximum	87	92	90	92	93	92	91	90	94	91	90	87	85	90	93	89	87	78	88	86	84	87	86	78	84	88	86	84	85	86	78	86	67.3
	Minimum	70	70	73	70	70	70	70	69	69	69	69	62	64	61	69	69	67	71	68	61	64	61	60	69	68	68	68	65	68	69	68	71	66	69.9
Franklin	Maximum	92	94	93	93	93	92	94	93	93	94	91	89	90	93	92	90	94	93	88	91	88	86	88	84	85	86	88	74	90	68	67	71	71	73	66	69.9
	Minimum	73	71	72	72	74	73	71	72	70	70	69	67	69	71	68	71	71	70	67	68	64	64	74	70	70	71	68	68	66	68	66	70	71	69	66	69.9
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greensburg	Maximum	87	87	91	92	90	95	90	92	92	88	85	86	89	79	80	89	86	88	90	87	84	87	90	87	78	83	95	94	94	87	74	88.3
	Minimum	66	65	69	65	66	66	64	67	65	65	64	61	58	61	66	65	63	65	62	61	63	58	54	68	65	61	61	63	64	69	68	68	63.5
Irvington	Maximum	86	89	87	89	89	89	89	90	91	91	90	87	84	83	89	85	86	90	78	85	87	82	86	87	78	83	87	91	91	91	75	85.7
	Minimum	71	71	73	72	72	70	71	70	69	70	69	63	61	61	68	66	68	69	68	64	67	61	58	69	65	64	68	68	68	70	72	64	67.5
Junction City	Maximum	87	91	87	91	91	93	89	91	94	92	90	87	87	91	76	76	89	77	87	91	85	87	85	88	78	85	92	90	90	83	79	86.7
	Minimum	70	69	69	70	67	66	65	68	67	66	61	61	56	60	67	65	68	69	66	69	67	65	66	65	55	67	60	63	63	67	64	70	63	64.8
Leitchfield	Maximum	86	91	90	87	91	89	92	92	94	91	89	85	86	86	91	81	87	93	86	87	90	83	84	89	84	88	87	90	91	91	78	87.5
	Minimum	70	70	70	68	68	70	71	70	69	67	63	61	63	68	66	67	70	68	64	65	61	58	72	63	62	65	68	69	71	68	66	69.9
Lexington	Maximum	83	87	84	88	86	87	87	86	90	89	82	75	83	88	77	74	87	78	82	86	81	83	85	82	73	82	89	88	87	75	70	82.2
	Minimum	68	70	72	70	70	70	68	70	73	73	65	61	60	68	67	65	67	68	68	70	67	61	65	67	64	65	69	71	72	68	61	65	66	68.6
Louisville	Maximum	84	89	86	89	88	88	88	90	92	91	85	81	84	89	82	82	91	78	85	88	83	83	86	78	78	81	84	91	90	74	70	83	68	85.6
	Minimum	72	72	74	73	74	72	71	73	72	70	62	63	64	69	66	71	70	68	65	70	64	62	66	64	63	68	70	74	72	68	64	68	70	74	68	68.6
Louisville	Maximum	83	87	85	86	86	88	83	88	88	87	81	81	84	84	80	80	88	78	81	84	83	79	84	83	75	81	84	88	75	81	84	86	80	80	75	83.2
Louisville, Cherokee Park	Maximum	83	87	85	86	86	88	83	88	88	87	81	81	84	84	80	80	88	78	81	84	83	79	84	83	75	81	84	88	75	81	84	86	80	80	75	83.2
	Minimum	72	70	73	70	71	68	70	70	70	68	69	66	61	62	68	66	67	70	67	67	67	62	67	67	62	65	68	68	72	69	62	65	68	68	72	69	66.8
Maxville	Maximum	90	92	90	97	92	93	96	95	98	98	99	93	85	89	94	90	94	88	89	92	85	87	87	83	81	83	89	96	90	84	76	90.0
	Minimum	66	70	70	68	68	70	71	70	69	67	67	68	67	68	66	65	64	68	64	59	64	59	54	66	64	60	61	63	64	62	55	59	63	64	62	59	63.4
St. John	Maximum	69	66	69	66	68	65	65	66	67	67	67	66	69	68	64	65	64	68	64	62	65	63	62	68	63	62	64	66	68	68	68	68	68	68	68	68	65.6
	Minimum	85	86	87	88	87	85	86	87	90	88	82	78	81	85	80	77	88	77	82	85	83	82	84	78	77	82	85	88	88	89	88	88	88	89	88	88	86.8
Scott	Maximum	71	70	73	71	70	68	69	67	67	67	68	67	58	62	65	64	66	69	66	67	66	60	62	69	62	59	63	65	65	69	59	63	65	65	69	59	63.8
	Minimum	84	91	86	90	91	88	90	89	91	91	84	81	85	89	79	78	91	77	86	90	85	86	88	83	82	84	86	89	89	81	75	84	84	86	89	81	75	84.4
Shelbyville	Maximum	87	87	87	87	88	86	87	87	87	88	86	86	89	87	86	86	90	75	83	86	79	76	84	80	82	84	86	90	89	81	75	84	84	86	90	89	81	75	84.4
	Minimum	88	89	86	86	90	86	88	86	89	87	86	81	81	87	81	81	86	90	75	83	87	76	80	82	82	86	87	87	87	82	75	85	85	87	87	82	75	85.2
Taylorsville	Maximum	73	67	72	68	68	70	70	74	66	68	74	60	59	68	68	67	63	73	66	66	65	64	55	55	67	67	62	65	75	66	75	85	85	87	87	82	75	85.2
	Minimum	84	90	87	90	87	89	88	90	90	92	91	85	81	83	89	88	75	89	76	83	87	85	83	86	87	77	66	70	71	60	66	65	72	69	66	66	66	66	66.5
Williamstown	Maximum	70	70	72	70	69	69	69	67	70	70	68	57	59	64	67	73	66	68	64	60	66	59	62	68	64	62	66	7	70	71	60	66	5	70	71	60	66	5	66.5
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eastern Division.																																
Ashland	Maximum	88	87	90	94	93	92	89	90	90	92	92	84	74	88	91	80	76	90	81	83	86	88	83	87	86	82	83	90	90	91	80	86.5
	Minimum	67	70	72	72	70	71	68	70	68	69	68	65	63	66	70	66	66	70	69	64	61	63	60	65	64	64	67	69	69	71	64	67.0
Beattyville	Maximum	88	92	91	89	85	95	92	90	91	92	87	81	89	92	76	77	90	84	85	86	86	85	89	85	76	85	86	88	87	88	89	84	75	81.4
	Minimum	65	66	67	68	68	68	66	70	69	68	67	67	65	65	66	65	67	68	67	66	62	64	61	65	64	62	64	61	63	65	66	62	72	67	70	62	66.6
Maxville	Maximum	86	88	89	88	80	86	87	87	89	89	84	78	80	88	84	73	88	79	84	88	65	60	67	62	59	72	66	69	69	61	63	64	82	59	63	64	72	67	70	62	66.6
Olive	Minimum	69	70	71	72	70	68	67	70	67	65	65	66	61	64	68	64	69	67	68	63	59	61	58	63	62	59	62	64	63	66	61	63	64	62	64	63	66	61	63.4
Paris	Maximum	86	90	88	91	92	92	92	93	94	94	91	84	81	85	80	77	88	77	82	85	83	82	84	78	77	82	85	88	90	91	85	75	85.5
	Minimum	69	70	71	72	70	68	67	70	67	65	65	66	61	64	68	64	69	67	68	63	59	61	58	63	62	59	62	64	63	66	61	63	64	62	64	63	66	61	63.4
Salyersville	Maximum	86	90	88	91	92	92	92	93	94	94	91	84	81	85	80	77	88	77	82	85	83	82	84	78	77	82	85	88	90	91	85	75	85.5
	Minimum	66	65	67	65	64	66	62	65	65	62	63	62	56	64	68	63	69	67	68	63	59	61	58	63	62	59	62	64	63	66	61	63	64	62	64	63	66	61	63.4
Farmers	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hitchens	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	Maximum	89	90	89	91	91	91	89	93	91	92	86	81	86	90	81	76	90	81	85	88	85	86	88	86	80	87	91	92	93	90	77	87.4
	Minimum	65	68	70	69	67	67	65	68	65	68	67	59	61	64	66	67	68	64	66	62	59	56	62	61	59	68	65	62	67	68	67	71	62	55	4	59.2
Middlesboro	Maximum	89	88	87	93	88	83	94	96	92	89	90	91	92	89	82	82	91	82	87	90	87	88	88	83	83	90	92	91	83	86	87.1
	Minimum	68	67	67	69	66	67	65	67	65	63	63	61	58	65	65	64	66	67	67	64	61	65	61	65	64	63	65	67	68	67	62	64.2
Mount Sterling	Maximum	89	92	86	93	92	92	92	89	91	91	84	78	85	91	84	76	90	78	83	87	84	85	87	83	83	90	92	91	92	93	90	76	72	88.1
	Minimum	68	67	67	69	66	67	65	67	65	63	63	61	58	65	65	64	66	66	66	65	58	59	58	65	63	67	65	67	68	67	67	68	67	67	68	67	67	67	66.5
Quicksand	Maximum	90	90	90	91	90	90	90	91	94	93	90	86	85	90	92	89	82	84	91	85	79	80	76	85	91	89	85	89	90	91	92	93	90	76	85.5
	Minimum	65	66	68	66	67	66	68	72	69	70	68	68	64	66	67	65	68	66	66	65	63	64	61	67	67	66	64	66	67	68	67	68	67	67	68	67	67	67	66.5
Richmond	Maximum	88	90	89	91	91	91	89	93	91	92	86	81	86	90	81	76	90	81	85	88	85	86	88	86	80	87	91	92	93	90	77	87.4
	Minimum	65	68	70	69	67	67	65	68	65	68	67	59	61	64	66	67	68	64	66	62	59	56	62	61	59	68	65	62	67	68	67	71	62	55	4	59.2
Sergent	Maximum	89	91	89	89	90	90	91	91	91	90	87	80	82	89	88	67	84	66	66	67	67	66	60	65	59	65	68	70	66	65	67	66	61	66.5
	Minimum	62	66	66	70	66	66	66	68	69	65	69	66	64	66	67	64	66	67	64	66	67	65	68	67	66	67	66	67	68	67	68	69	67	67	68	67	67	67	66.5
Williamsburg	Maximum	91	94	90	87	94	94	94	93	93	88	88	91	93	81	80	91	87	85	90	90	89	92	89	88	88	91	92	93	88	89	92	93	88	89	92	93	88	89	92	93	88	89	92	93	88
	Minimum	65	67	65	70	69	67	66	66	67	69	65	64	65	64	67	65	66	66	67	64	66	67	65	66	65	62	67	67	66	65	69	66	66	62	68	66	66	62	68	66	66	62	68	66	66

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* ** etc. indicate respectively 1, 2, 3 etc., days missing from record.

N. W. O. Louisville, 9-27, 28, 30**

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIII LOUISVILLE, KY., SEPTEMBER, 1928 No. 9

GENERAL SUMMARY.

The month was exceptionally cool and dry, with conditions favorable for the maturing and harvesting of the early crops and favorable for the growth of those planted late. In most of the agricultural section of the State, precipitation was so light as to be of negligible importance. The showers that occurred near the end of the month were generally light local, and insufficient to break the prevailing drought, which by this time had spread to the central and eastern counties. In the western counties the soil became so dry and hard early in the month as to prevent preparation for fall seeding; while toward the end of the month the same condition prevailed in central and eastern districts. Some rye, sown early in the month, came up and perished because of diminished moisture. Other rye, sown later, failed to germinate. In the last days, some wheat was sown locally, following the showers; but without sufficient moisture to insure growth. The fair weather, sunshine, and low humidity were very favorable for cutting, housing, and curing tobacco. With most of the early crop there was no interference of consequence by weather from the beginning to the end of harvest. Early corn dried rapidly and cutting proceeded under ideal conditions. Late corn, tobacco, hay, and truck crops were retarded by drought and low temperature. In the western counties late corn and tobacco "fired" extensively, pastures dried up, and other crops deteriorated. Maturity of early cotton was hastened. Shortage of water for stock and domestic purposes appeared in places. Heavy frost, causing extensive damage to late crops, occurred on the 24th; and killing frost, the earliest of record in the State, was reported from most districts on the 26th. This freeze ruined considerable late corn and tobacco, generally that which was planted in the western counties after the late spring and early summer wet spell; but early tobacco, which included nearly all of the crop in the Burley district, and also most corn of importance in the production of grain had already matured. Late potatoes were practically a total loss, and late forage crops also suffered.

TEMPERATURE.

The mean temperature for the State, as determined from the reports of 43 stations, was 65.5°. This is 4.8° below the September normal, and among the lowest averages on record for this month. Except for about a week, mainly in the second decade, average daily temperatures were almost continuously below normal. Daily deficiencies in the last decade ranged from 8° to 26° in most districts. Temperatures of 25° to 32° were reported quite generally on the 26th. The extremes were 99° at Middlesboro on the 10th and 24° at Farmers on the 26th.

PRECIPITATION.

Reports from 82 stations gave an average precipitation of 0.81 inch, which is 2.66 inches less than the established normal for this month. Except in 1897, this is the lowest precipitation average for the month of September ever recorded in the State. From an area in the southeastern part of the State, limited to a few counties, where 3.0 to 4.0 inches occurred, precipitation decreased rapidly toward the west. A few western counties reported no rain during the month. In the western half of the State amounts ranged from a trace and 0.6 local best stations. In the central counties from 0.2 to 1.0 is reported, while eastward and eastward there was no irregular increase to 1.5 inches at some stations. Moderate to heavy showers occurred on the coast on the 25th and light to moderate showers in the central and eastern districts on the period 27-30th. There were only a few scattered showers in the western counties. Thunderstorms were reported from a few local ties on the 6th, 14th, and 29th.

MISCELLANEOUS.

Sept. 29.—A barn was burned by lightning near Dry Ridge, Grant County.

Rivers.—Low stages prevailed in all rivers during the month.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind.* Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.07	30.27	6	29.83	29	4614	6.4	25	W	23
Cincinnati ..... Ohio	30.08	30.30	5	29.76	3	3908	5.5	22	SW.	25
Evansville..... Ind.	30.09	30.27	6	29.84	2	4853	6.7	22	NW.	23
Lexington ..... Ky.	30.08	30.26	9	29.77	3	6750	9.4	31	NW.	25
Louisville ..... Ky.	30.08	30.26	5	29.79	3	5608	7.8	29	NE.	18

*For any five minute period. †By 2-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with. 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	79	45	55	330.7	372.4	89	28	0
Cincinnati ..... Ohio.	84	48	54	287.2	373.1	77	16	3
Evansville..... Ind.	79	46	47	318.5	372.9	85	21	1
Lexington ..... Ky.	78	52	..	261.1	372.9	70	16	1
Louisville ..... Ky.	81	46	51	288.7	372.9	77	20	2

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature. Monthly average.	Departure from 35-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 35-year normal.	Average Number of Days. No. of days with .01 in. or more rain.	Clear.	Partly Cloudy.	Cloudy.	Average Snowfall.
1893...	72.1	+1.8	101	36	1.23	−1.58	..	..	..	..	..
1894...	67.0	−3.3	95	36	2.71	−0.10	..	..	..	..	..
1895...	69.8	−0.8	97	42	1.89	−0.92	..	..	..	..	..
1896...	68.5	−1.8	93	38	2.68	−0.13	..	..	..	..	..
1897...	69.6	−0.7	99	35	3.24	+0.43	..	..	..	..	..
1898...	71.7	+1.4	98	37	2.71	−0.10	..	..	..	..	..
1899...	72.3	+2.1	101	37	1.10	−1.71	5	19	7	4	0
1900...	69.6	−1.7	99	30	3.77	+0.96	3	14	9	7	0
1901...	72.8	+2.5	103	34	0.21	−2.60	3	26	4	0	0
1902...	73.4	+3.1	103	42	4.36	+1.55	1	17	8	5	0
1903...	68.7	−1.6	100	25	1.68	−1.13	9	18	8	4	0
1904...	74.6	+4.3	102	33	3.25	+0.76	5	15	6	9	0
1905...	68.1	−2.2	98	33	3.87	+0.76	8	18	7	5	0
1906...	67.3	−3.0	97	29	4.01	+1.20	6	13	7	10	0
1907...	69.1	−1.2	100	32	0.91	−1.90	10	21	6	3	0
1908...	71.1	+0.8	99	34	2.58	−0.23	4	15	7	8	0
1909...	70.2	−0.1	96	38	2.61	−0.20	6	16	6	8	0
1910...	73.0	+2.7	95	45	6.15	+3.34	6	11	7	12	0
1911...	69.1	−1.2	102	35	3.66	+1.25	13	17	5	8	0
1912...	71.6	+1.3	101	30	1.03	−1.78	6	18	8	4	0
1913...	67.7	−2.6	97	32	2.51	−0.30	8	15	7	8	0
1914...	70.3	+0.1	99	38	4.41	+1.60	6	14	8	8	0
1915...	74.3	+4.0	99	46	3.71	+0.90	9	13	8	9	0
1916...	71.0	+0.7	103	33	2.80	−0.01	10	18	6	6	0
1917...	69.6	−0.7	100	29	2.45	−0.32	7	11	7	12	0
1918...	67.5	−2.5	97	36	2.93	+0.35	9	17	6	7	0
1919...	70.7	+0.4	99	32	3.32	+0.51	7	20	5	5	0
1920...	67.2	−3.1	98	32	3.38	+0.67	7	20	5	5	0
1921...	66.7	−3.6	98	34	2.46	−0.25	6	18	5	7	0
1922...	62.8	−7.5	92	26	2.94	+0.13	8	15	5	9	0
1923...	71.8	+1.5	102	40	1.69	−1.12	8	20	4	6	0
1924...	70.8	+0.5	96	38	3.20	+0.39	4	11	8	8	0
1925...	75.3	+5.2	99	45	5.37	+2.56	9	10	11	9	0
1926...	72.2	+2.4	103	39	2.32	−0.59	13	24	6	4	0
1927...	69.8	−0.5	84	30	2.87	+0.06	5	18	5	8	0
1928...	65.3	−5.0	97	25	4.49	+1.68	6	14	7	9	0
1929...	70.3	−0.0	100	38	3.83	+1.02	10	15	7	8	0
1930...	70.5	+0.2	98	40	3.58	+0.77	9	15	7	8	0
1931...	69.2	+0.9	103	36	2.87	−0.06	6	16	6	8	0
1928	65.5	−4.8	99	24	0.81	−2.66	3	20	3	4	0

Climatological Data for September, 1928.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches.				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	24	67.2	−3.7	97	13	27	26	44	0.00	−2.68	0.00	0	0	22	2	6	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	24	66.8	−5.2	92	13†	32	26	36	T	−2.78	T.	0	0	13	17	0	se.	W. A. Taylor.
Carlington	Hopkins	420	38	67.0	−4.1	95	13	30	26	39	0.02	−2.67	0.02	0	1	27	2	1	n.	Brick Southworth.
Greenville	Muhlenburg	519	11	67.2	−5.8	96[f]	13†	25[f]	26	52[f]	0.30	−2.51	0.30	0	1	19[f]	5[f]	0[f]	.....	C. R. Lovell.
Hopkinsville	Christian	524	32	68.6	−3.5	98	13	31	24	46	3.19	−2.96	0.19	0	1	14	10	6	se.	W. E. Graves.
Lovelaceville	Ballard	.....	..	67.8	.....	92	13	36	24	34	0.01	.....	0.01	0	1	17	13	0	n.	B. Salies.
Marion	Crittenden	571	30	67.0	−5.4	91	13	35	24	38	T	−2.93	T.	0	0	19	11	0	nw.	B. C. Paris.
Mayfield	Graves	364	19	69.4	−2.6	97	16	33	24	43	0.00	−3.05	0.00	0	0	19	11	0	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	2	66.4	.....	96	13	28	24	46	0.32	.....	0.32	0	1	23	7	0	s.	Harry B. Arnold
Owensboro	Daviess	479	31	61.4	−6.1	92	14	27	26	39	0.14	−2.97	0.14	0	1	21	7	2	s.	Henry S. Berry.
Owensporo, Dam 46	Daviess	479		.....	.....	.....	.....	.....	.....	.....	0.14	.....	0.13	0	2	.....	.....	.....	.....	George McGlemary.
Paducah (near)	McCracken	516	11	68.2	−4.8	97	13	32	24	42	0.00	−2.26	0.00	0	0	29	1	0	se.	J. W. Lilley
Paducah	McCracken	341	39	.....	.....	.....	.....	.....	.....	.....	0.00	−2.99	0.00	0	0	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	21	65.8	−5.6	92	14	32	24	37	0.03	−2.95	0.03	0	1	18	10	2	n.	Dr. W. L. Cash.
Ramsey, Lock 2	Mclean	384	11	.....	.....	.....	.....	.....	.....	.....	0.00	−3.39	0.00	0	0	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	17	67.0	−4.5	94	8†	30	24†	42	0.24	−2.76	0.18	0	2	27	1	2	n.	Wm. Shelton.
Uniontown, Dam 40	Union	314		.....	.....	.....	.....	.....	.....	.....	0.16	.....	0.13	0	2	.....	.....	.....	.....	H. R. Sale.
Central Division.																				
Addison, Dam 45	Breckinridge	352		.....	.....	.....	.....	.....	.....	.....	0.42	.....	0.23	0	3	.....	.....	.....	.....	C. L. Moore.
Ancoreage	Jefferson	700	27	62.6	−5.9	89	14	27	26	39	0.82	−1.84	0.69	0	3	25	2	3	sw.	C. E. Barret.
Bardstown	Nelson	637	31	65.6	−5.9	94	13†	27	26	43	0.58	−2.27	0.40	0	3	26	2	2	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	39	68.5	−3.7	95	13†	34	26	43	0.50	−2.84	0.45	0	3	12	16	2	w.	Mrs. Lillie G. Causey.
Bowling Green	Warren	469	3	.....	.....	.....	.....	.....	.....	.....	0.31	.....	0.31	0	1	.....	.....	.....	.....	Jas R. Hines.
Brownsville, Lock 6	Edmonson	410	11	.....	.....	.....	.....	.....	.....	.....	T.	+3.68	T.	0	0	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	37	.....	.....	.....	.....	.....	.....	.....	1.04	−2.50	0.68	0	5	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	29	.....	.....	.....	.....	.....	.....	.....	1.63	+1.31	0.56	0	4	.....	.....	.....	.....	Shelby Angel.
Cold Sprug, Dam 36	Campbell	489	2	.....	.....	.....	.....	.....	.....	.....	0.54	.....	0.23	0	4	.....	.....	.....	.....	Bert Ross.
Dix Dam, Burgin	Mercer	770	4	65.8	.....	90	13†	31	26	40	0.56	.....	0.43	0	2	25	0	5	.....	G. D. Glass.
Eubank	Pulaski	1177	34	66.0	−2.5	93	14	26	26	50	0.84	−2.67	0.66	0	2	25	1	4	s.	Mrs. Katie Payne.
Frankfort	Franklin	550	36	64.8	−3.7	89	14	32	26	38	0.76	−1.96	0.42	0	4	21	2	7	w.	Sidney Wood.
Franklin	Simpson	691	33	68.2	−3.7	91	14	33	26	38	0.00	−3.35	0.00	0	0	25	5	0	s.	M. E. Johnson.
Grad, Lock 3	Henry	449	17	.....	.....	.....	.....	.....	.....	.....	0.79	−2.31	0.36	0	4	.....	.....	.....	.....	Albert Purvis.
Glasgow	Barren	780	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Fidelia Edwards.
Grant, Dam 38	Boone	505	3	.....	.....	.....	.....	.....	.....	.....	1.68	.....	0.82	0	5	.....	.....	.....	.....	W. T. Dugan.
Greensburg	Green	581	35	62.4	−7.2	95	14	25	26	49	0.21	−2.74	0.12	0	2	7	1	22	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	26	.....	.....	.....	.....	.....	.....	.....	0.67	−2.30	0.56	0	2	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckinridge	646	30	65.2	−5.1	91	14	31	26	33	0.45	−2.44	0.41	0	2	22	3	5	w.	W. J. Pigrott.
Junction City	Boyle	985	34	63.7	−5.6	92	13	26	26	45	0.41	−2.65	0.26	0	2	15	12	3	sw	Caroline Grubbs.
Lancaster	Garrard	1032	2	.....	.....	.....	.....	.....	.....	.....	0.28	.....	0.15	0	3	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	635	32	66.2	−3.6	95	13	30	24†	39	0.03	−3.44	0.03	0	1	22	7	1	nw.	H. H. Willis.
Lexington	Fayette	989	41	64.2	−4.3	88	14	35	24	27	0.71	−4.71	0.26	0	3	20	7	3	sw.	U. S. Weather Bureau.
Little Pickman, Locks[5]	Jessamine	628	17	.....	.....	.....	.....	.....	.....	.....	0.52	−2.98	0.32	0	2	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	18	.....	.....	.....	.....	.....	.....	.....	0.77	−1.96	0.35	0	3	.....	.....	.....	.....	Andrew J. Keenon.
Louisville	Jefferson	525	55	65.8	−4.7	90	14	39	26	31	0.78	−2.60	0.71	0	3	16	11	3	n.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	554	18	64.0	−3.9	88	14	32	26	33	1.03	−2.09	0.92	0	2	20	7	3	sw.	Wm. J. Hunt.
Manfordsville	Hart	660	5	.....	.....	.....	.....	.....	.....	.....	0.00	.....	0.00	0	0	.....	.....	.....	.....	A. G. Hubbard.
Mt. John	Hardin	777	32	63.8	−5.5	91	13†	25	26	44	0.60	−2.40	0.35	0	2	23	2	5	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	490	14	.....	.....	.....	.....	.....	.....	.....	0.72	−2.36	0.60	0	2	.....	.....	.....	.....	Ernest M. Searcy.
South	Kenton	900	30	63.2	−5.9	89	14	28	26	34	0.56	−2.07	0.42	0	4	11	16	3	w.	E. B. Wilson
Shelbyville	Shelby	825	39	63.4	−5.8	93	14	26	26	44	0.68	−2.64	0.33	0	4	15	8	3	n.	Miss Ruth Ratta,
Taylorsville	Spencer	489	26	63.6	−4.2	88	14	28	26	42	1.11	−2.12	0.65	0	2	24	4	2	nw.	E. D. Bourne.
Tyrone, Lock 5	Anderson	526	10	.....	.....	.....	.....	.....	.....	.....	0.67	−2.31	0.60	0	2	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	843	25	64.4	−4.2	91	14	30	26	35	1.05	−1.57	0.44	0	4	21	7	2	w	Mrs. R. S. Humlong.
Woodbury, Lock 4	Butler	533	11	.....	.....	.....	.....	.....	.....	.....	0.18	−2.74	0.13	0	2	.....	.....	.....	.....	H. J. Lewis.
Eastern Division.																				
Ashland	Boyd	534	11	63 6	−6.8	91	15	32	26	38	1.50	−1.41	0.60	0	4	17	0	13	s.	Curtis Jarvis.
Beattyville	Lee	660	24	64.2	−5.6	91	14	32	26	38	1.44	−1.62	0.41	0	6	7	16	7	w.	Robert S. Smallwood.
Berea	Madison	1070	26	65.0	−4.3	91	14	31	26	36	0.41	−2.15	0.23	0	2	7	20	3	sw.	Chas. C. Graham.
College Hill, Lock 11	Madison	601	18	.....	.....	.....	.....	.....	.....	.....	0.98	−2.49	0.50	0	4	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	10	.....	.....	.....	.....	.....	.....	.....	1.11	−2.50	0.30	0	5	.....	.....	.....	.....	E. H. Rechoe.
Falmouth	Pendleton	600	39	.....	.....	.....	.....	.....	.....	.....	0.86	−1.59	0.36	0	6	.....	.....	.....	.....	J. V. Oldham.
Farmers	Rowan	668	26	61.4	−6.8	91[a]	14	24[a]	26	41[a]	0.97	−2.03	0.38	0	3	23	3	4	e.	Mrs. R. E. Stamper.
Flemingsburg	Fleming	841	3	.....	.....	.....	.....	.....	.....	.....	0.95	.....	0.79	0	3	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	593	12	.....	.....	.....	.....	.....	.....	.....	1.09	−2.65	0.55	0	2	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	599	3	.....	.....	.....	.....	.....	.....	.....	1.62	.....	0.60	0	5	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	8	.....	.....	.....	.....	.....	.....	.....	0.80	.....	0.53	0	5	.....	.....	.....	.....	T. Mitchell.
Hazard	Perry	869	4	.....	.....	.....	.....	.....	.....	.....	2.20	.....	0.94	0	9	.....	.....	.....	.....	Chas. O. Ibrig.
Heidelberg, Lock 14	Lee	664	11	.....	.....	.....	.....	.....	.....	.....	1.34	−2.17	0.52	0	4	.....	.....	.....	.....	S. C. Cole.
Hindman	Knott	1032	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Car Nauier.
Jenkins	Letcher	1566	3	.....	.....	.....	.....	.....	.....	.....	2.72	.....	1.34	0	9	.....	.....	.....	.....	R. P. Davidson.
Louisa	Lawrence	584	24	.....	.....	.....	.....	.....	.....	.....	1.89	−0.85	0.84	0	7	.....	.....	.....	.....	Russian Copley.
Maysville	Mason	524	31	63.7	−6.0	91	14	29	26	41	0.86	−2.70	0.35	0	6	18	6	6	s.	Perry E. Bennett
Middlesboro	Bell	1128	22	68.3	−0.6	93	10	30	26	45	3.10	+0.22	0.80	0	6	21	5	4	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	38	62.6	−5.0	94	14	25	26	45	0.38	−1.59	0.18	0	3	21	4	5	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	6	.....	.....	.....	.....	.....	.....	.....	0.36	.....	0.36	0	1	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	635	22	.....	.....	.....	.....	.....	.....	.....	2.58	−0.82	0.68	0	7	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	646	3	.....	.....	.....	.....	.....	.....	.....	2.06	.....	0.78	0	6	.....	.....	.....	.....	E. C. Hall.
Quicksand	Breath tt	732	3	61 6	.....	95[a]	14	31[a]	26	35[a]	2.60	.....	0.69	0	7	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	624	10	.....	.....	.....	.....	.....	.....	.....	0.00	−3.69	0.00	0	0	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	37	67.3	−3.2	94	14	35	21[a]	35	0.57	−2.27	0.43	0	2	24	2	4	.....	I. W. Crooke.
Sandgap	Letcher	1235	5	65.9	.....	91	14	30	26	35	2.34	.....	0.75	0	11	15	0	15	sw.	R. P. Crawford
Seymour	Madison	511	15	.....	.....	.....	.....	.....	.....	.....	0.59	−3.17	0.37	0	4	.....	.....	.....	.....	Thos. Sullivan.
Valley View, Lock 9	Jefferson	525	13	.....	.....	.....	.....	.....	.....	.....	0.30	−2.52	0.22	0	2	.....	.....	.....	.....	H. M. Fannin.
Vanceburg, Dam 32	Lewis	1102	7	.....	.....	.....	.....	.....	.....	.....	1.61	.....	1.56	0	8	.....	.....	.....	.....	C. H. Zimmerman.
Versailles	Woodford	939	31	65.8	−4.7	94	14	30	26	39	2.74	−0.80	1.16	0	5	22	8	0	.....	Lawrence R. Thd.
Williamsburg	Whitley	611	9	.....	.....	.....	.....	.....	.....	.....	0.98	.....	0.50	0	2	.....	.....	.....	.....	Jessie Hicks.
Zebulon, Lock 13	Lee	.....	.....	65.6	−4.8	99	10	24	26	52	0.81	−2.00	1.50	0	3	20	6	4	s.	
State averages and extremes																				

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or district means.

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, † represents two days, etc.

[a] Also on other dates. [f] Received too late to be included in means and summaries.

[5] Post office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

T. Precipitation is less than 0.01 inch rain or melted snow. g Lone Oak.

Daily Precipitation for September, 1928.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																														
Denver Dam 6	G																													
Calhoun	G																													
Carlington	G	T													T.												T		T	T
Greenville	G																										.02		T	
Hopkinsville	C	.19													.30													T			
Owensville	M	T.												T.																	0.19
Marion	O														T.													.60			
Mayfield	M																														T
Murray	T	.32																													
Owensboro	O																													
Owensboro, Dam 46	O																										T		.14	
Paducah (near) *	O																											.01	.13	
Paducah	O																													
Princeton	G																													
Dunnes, Lock No. 2	G																							I		T.	T	.03		
Russellville	G	.06																												
Smithtown, Dam 49	O			T.											.13														.18	
Central Division																											.03		T	
Addison, Dam 45	O																													
Anchorage	O					.02																					.08	.11	.23	
Bardstown	S					.06																					.11	T.			
Bowling Green	G	.03													.02													.12	.40	
Bowling Green, No. 2	G	.31													T.														.45	
Brownsville, Lock No. 6	G																													
Burnside	C	.11	.05	.02																								T	T	
Carrollton (Lock No. 1)	K																		18									T	.68	
Cold Spring, Dam 36	O					.05													T.						T.		.23	.53	.56	.31
Dix Dam, Bargin	K																										.06		.23	.20
Elkhorn	C	.18																										.13	.43	
Farmington	K																													
Franklin	G														.42										T		.12		.12	.10
Fred, Lock No. 3	K																													
Glasgow	G					.04																					.36		.14	.26
Grant, Dam 38	O					.82																								
Greensburg	G	.09																				06		T		.07		.50	.23	
High Bridge, Lock No. 7	K																										T.	T.	T.	.12
Lexington	O													T.															.11	.56
Junction City	K																										.04		.11	
Manchester	K																												.15	.26
Mitchfield	G													T.					.08								T.		.05	.15
Lexington ***	K													T.													T.		.03	
Little Hickman, Lock No. 8	K													.33				T.							T.		.02	T.	.26	
Newport, Lock No. 2	K																		T.										.20	.32
Paris ***	O					T.																		T.		.35		.31	.11
Do (Cherokee Park)	O													T.	T.										T.	.07	.03			
Owensville	G																								T.	.11	T.	.92		
Owingsville	S	T.																												
Pulaski, Lock No 6	K																											T.	.35	.25
Rolf	L					.08													.01						T.		T.		.12	.60
Salvisville	S					.03																			T.	.07	T.	.42		
Somerset	K					.46																			T.	.08		.24	.35	
Spurlock, Lock No. 5	K																								T.	T.	T.	.65		
Tollesboro	L					.22																				.07		.60		
Woodbury, Lock No. 4	G	.05													T.												.11		.32	.44
Eastern Division																												T.	.13	
Ashland	O																													
Barbourville	K	.27		T.												24				.60							.08			.58
Berea	K															.28				.38	.06				T.			.04	.41	
College Hill, Lock No. 11	K	.08		T.		T.														.18								.23		
Smithton	L																			.30	T.				T.			.10	.50	
Dixmouth	L					.07								.15						.15						.25		.26	.50	
Farmers	L														.09					.04							.10	.22	.80
Hedgeville	L																			.34							.38	.25		
Jarad, Lock No. 10	K	T.																		.15							.10	.70		
Grayson	O																			.54	T.				T.		T.	T.	.55	
Jessamine, Dam 30	O	.01													.09	.41				.41							.11		.60	
Jessamine	K	.21	.08	.33		.04														.25							.04	.06	.55	
Kidwellsburg, Lock No. 14	K	.25													.18					.94	.07							.07	.28	
Lancaster	K					.17									.10					.47	T.								.52	
Lankins	K	.18	.56	.18																										
Louisa	B	.11		.02												.22				1.34	.02							1.05		
Lewisburg	O				.03	.22								.26	.04					.84							.17		.44	
Middlesboro	C	.89		.13	.75															.63					T.		.08	.15	.35	
Mount Sterling	L					T.									.05				.12	.65										
Peonia Dam 35	O																			.18					T.		.10	.07		
Pineville	B	.56	.22	.18		T.														T.	T.				T.		T.	.90	T.	
Pleasureburg	B		.18	.37											.08					.68	.18							T.	.68	
Richmond	K	.30		.84																.72	.07							.18	.56	
Rowena, Lock No. 12	K														.02					.69		.08			T.			.10	.47	
Salmond	K																													
Sargent	K	.22	.28	.48	.03	.10				.01										.14									T.	.43
Silver View, Lock No. 6	K														.27				.19	.75		.01							.03	
Smallsburg, Dam No. 32	O																		15	.62							.01		.37	
Smithsburg	K		.02	.81		.69	.90	.11	.16																				.22	
Williamsburg	C	.80	.11	.57			T.													1.70	.31									
Willow, Lock No 13	K																			.16									1.10	
																				.45									.9	

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

( ) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Several dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

* Lone Oak

Daily Temperatures for September, 1928.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	83	87	81	78	82	85	87	91	94	93	91	93	97	96	92	93	83	76	75	81	81	80	70	71	75	71	70	77	86	77	..	83.2
	Minimum	53	63	59	45	45	52	55	56	59	63	67	63	66	69	67	53	55	47	41	45	45	46	30	50	45	50	34	52	32	43	37	51.1
	Maximum	79	82	78	73	77	82	84	87	88	89	87	88	92	92	89	89	81	74	73	76	86	77	70	67	69	68	68	73	82	73	..	79.9
Calhoun	Minimum	57	56	60	49	52	53	57	59	61	63	69	66	67	70	66	56	59	50	46	47	50	45	50	34	52	32	43	37	54	47	..	53.6
	Maximum	80	83	79	75	78	80	86	90	92	92	90	90	95	93	89	89	81	75	74	79	87	76	71	69	68	69	65	75	83	74	..	80.9
Earlington	Minimum	54	54	61	46	45	50	55	58	60	66	72	66	69	72	67	55	57	52	42	44	52	44	49	31	56	30	42	37	57	48	..	58.0
	Maximum	80	84	79	..	79	83	91	94	..	93	90	90	96	96	90	..	89	77	74	80	88	77	..	74	71	70	68	..	87	..	..	[83.4
Greenville	Minimum	56	54	57	..	44	50	55	57	..	60	67	63	64	67	66	..	54	50	46	44	44	45	..	36	52	28	41	..	35	..	..	[51.1
	Maximum	85	87	81	80	82	86	92	94	95	94	93	98	97	94	93	85	77	76	84	92	81	69	73	74	73	78	82	82	79	..	..	84.9
Hopkinsville	Minimum	58	54	58	46	52	53	56	55	58	62	65	62	64	68	67	56	55	51	45	42	46	47	46	31	48	33	40	41	56	51	..	52.2
	Maximum	78	81	78	75	75	79	84	86	89	87	88	86	92	90	87	89	80	74	77	80	81	76	67	66	68	67	71	79	85	74	..	79.5
Lewisburg	Minimum	58	54	58	46	50	51	59	56	58	62	66	60	63	67	65	59	57	50	46	46	47	45	28	48	30	38	47	51	73	56	..	56.0
	Maximum	78	81	74	72	76	78	84	86	88	89	87	87	91	92	86	88	78	74	73	75	83	78	68	62	66	66	66	71	71	71	..	79.2
Marion	Minimum	57	56	58	45	50	51	59	56	58	62	66	60	63	67	65	56	57	52	47	49	52	48	47	35	54	38	40	40	42	45	..	54.9
	Maximum	78	81	79	74	76	79	83	86	88	88	87	85	91	90	86	88	80	74	75	77	85	81	72	74	74	75	82	83	89	80	..	85.8
Mayfield	Minimum	58	59	60	53	51	53	61	62	64	70	71	65	69	73	66	63	62	52	47	49	52	48	47	35	54	36	40	40	42	45	..	53.0
	Maximum	84	86	81	80	84	87	89	91	94	93	92	90	96	94	93	97	93	84	84	85	87	81	72	74	74	75	82	83	89	80	..	85.8
Murray	Minimum	56	58	59	47	49	52	55	58	60	66	69	62	66	72	66	56	60	49	43	42	52	48	52	33	54	34	43	43	46	56	53	53.0
	Maximum	81	85	76	75	78	83	89	88	92	92	90	92	96	94	91	89	83	76	77	82	87	77	70	72	73	73	83	82	90	77	..	83.1
Owensboro	Minimum	58	52	58	44	47	51	52	53	55	60	65	57	61	66	65	50	51	52	42	36	41	47	45	28	48	30	38	44	50	49	..	49.8
	Maximum	78	81	74	72	76	78	84	86	88	89	87	87	91	92	86	88	78	74	73	75	83	78	68	62	66	66	66	71	71	71	..	78.0
Paducah (near)	Minimum	57	56	58	45	50	51	59	56	58	62	66	60	63	67	65	54	56	48	44	44	44	41	47	29	49	27	42	33	52	44	..	50.8
	Maximum	78	81	77	74	76	78	84	86	88	89	87	87	91	92	86	88	78	74	73	75	83	78	68	62	66	66	66	71	71	71	..	78.0
Princeton	Minimum	57	56	58	45	50	51	59	56	58	62	66	60	63	67	65	54	56	48	44	44	44	41	47	29	49	27	42	33	52	44	..	50.8
	Maximum	78	81	74	72	76	78	84	86	88	89	87	87	91	92	86	88	78	74	73	75	83	78	68	62	66	66	66	71	71	71	..	78.0
Russellville§§	Minimum	57	56	58	45	50	51	59	56	58	62	66	60	63	67	65	54	56	48	44	44	44	41	47	29	49	27	42	33	52	44	..	50.8
	Maximum	78	81	74	72	76	78	84	86	88	89	87	87	91	92	86	88	78	74	73	75	83	78	68	62	66	66	66	71	71	71	..	78.0
Owensboro	Minimum	57	56	58	45	50	51	59	56	58	62	66	60	63	67	65	54	56	48	44	44	44	41	47	29	49	27	42	33	52	44	..	50.8
	Maximum	78	81	74	72	76	78	84	86	88	89	87	87	91	92	86	88	78	74	73	75	83	78	68	62	66	66	66	71	71	71	..	78.0
Paducah (near)	Minimum	57	56	58	45	50	51	59	56	58	62	66	60	63	67	65	54	56	48	44	44	44	41	47	29	49	27	42	33	52	44	..	50.8
	Maximum	78	81	74	72	76	78	84	86	88	89	87	87	91	92	86	88	78	74	73	75	83	78	68	62	66	66	66	71	71	71	..	78.0
Princeton	Minimum	57	56	58	45	50	51	59	56	58	62	66	60	63	67	65	54	56	48	44	44	44	41	47	29	49	27	42	33	52	44	..	50.8
	Maximum	78	81	74	72	76	78	84	86	88	89	87	87	91	92	86	88	78	74	73	75	83	78	68	62	66	66	66	71	71	71	..	78.0
Russellville§§	Minimum	57	56	58	45	50	51	59	56	58	62	66	60	63	67	65	54	56	48	44	44	44	41	47	29	49	27	42	33	52	44	..	50.8
	Maximum	78	81	74	72	76	78	84	86	88	89	87	87	91	92	86	88	78	74	73	75	83	78	68	62	66	66	66	71	71	71	..	78.0
	Minimum	58	55	58	46	50	54	56	56	58	62	63	61	65	69	70	55	55	50	45	45	48	48	48	30	46	30	40	38	47	53	..	52.3
Central Division.																																	
Anchorage	Maximum	78	80	73	72	77	77	78	84	86	86	86	88	89	89	85	86	77	66	66	73	83	72	64	62	64	62	65	66	64	67	..	75.4
	Minimum	55	53	55	44	46	61	55	54	57	64	60	63	66	66	63	54	56	47	42	51	44	39	45	29	42	27	38	35	48	42	..	49.9
Bardstown	Maximum	81	84	75	77	80	80	84	89	91	91	91	94	94	94	91	90	83	69	66	79	86	78	69	69	70	70	71	74	73	74	..	80.3
	Minimum	56	53	56	45	50	53	57	57	59	63	66	64	67	70	66	56	57	52	46	50	46	42	45	29	44	27	39	34	52	45	..	50.9
Bowling Green	Maximum	85	88	81	80	85	85	88	91	92	91	91	93	95	95	94	93	89	75	75	81	89	81	72	70	74	74	77	79	78	78	..	84.0
	Minimum	57	56	58	49	51	56	57	59	59	59	63	60	64	67	70	55	57	52	46	50	46	42	45	29	44	27	39	34	52	45	..	50.9
Dix Dam	Maximum	78	83	78	73	77	78	84	85	86	88	85	85	90	90	87	88	88	68	64	72	84	83	82	79	67	65	65	74	67	70	..	78.8
	Minimum	57	54	59	48	52	60	55	56	57	56	65	61	67	68	72	71	66	52	49	54	48	46	42	34	34	34	41	41	40	53	47	52.7
Eubank	Maximum	85	87	86	84	86	78	88	89	91	86	85	92	93	88	89	85	82	81	71	79	73	82	78	68	76	72	75	78	72	..	..	82.3
	Minimum	58	57	56	45	48	54	44	52	58	57	60	64	68	62	68	66	67	52	43	46	42	40	40	28	31	26	36	31	52	41	..	49.8
Frankfort	Maximum	78	81	80	72	76	77	79	83	86	87	85	86	88	89	87	86	84	74	66	72	82	80	71	62	68	62	65	69	67	68	..	75.9
	Minimum	56	56	58	49	50	62	55	56	57	58	64	62	65	65	72	56	57	51	51	55	44	45	46	34	46	32	41	39	51	45	..	52.6
Franklin	Maximum	82	83	82	78	82	81	88	86	89	89	87	90	90	91	88	87	87	79	69	75	79	78	71	68	66	71	70	69	73	74	..	79.9
	Minimum	63	60	62	57	54	58	59	61	62	64	68	67	67	71	72	68	69	54	47	51	52	53	51	34	48	33	42	45	52	54	..	56.6
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greensburg	Maximum	77	81	74	66	80	73	85	87	85	80	79	88	92	95	92	91	90	71	68	65	87	73	67	60	72	60	60	72	69	70	..	76.8
	Minimum	55	50	52	44	45	54	50	53	52	52	57	55	56	67	66	60	62	48	42	48	38	44	41	27	38	25	34	30	49	45	..	48.0
Irvington	Maximum	77	79	75	72	75	78	79	84	86	87	85	87	89	91	86	86	78	70	67	74	82	73	65	62	66	64	64	65	63	73	..	76.0
	Minimum	57	56	60	49	50	56	57	59	62	65	70	69	69	70	70	56	61	50	46	55	51	47	51	34	51	31	45	39	50	44	..	54.4
Junction City	Maximum	77	80	77	76	77	80	83	86	87	87	88	85	92	90	91	90	89	68	63	73	85	78	68	65	70	69	66	75	70	73	..	78.7
	Minimum	54	54	57	43	49	56	51	53	53	50	58	63	63	62	69	51	62	56	45	50	46	45	42	31	46	27	37	38	48	47	..	48.7
Leitchfield	Maximum	78	81	75	74	79	83	84	89	90	90	85	91	95	93	90	90	82	72	70	79	87	76	65	67	68	69	67	75	78	72	..	79.5
	Minimum	56	54	60	46	50	55	56	56	59	62	65	65	69	66	66	56	58	51	46	51	49	45	51	30	49	30	41	37	53	45	..	52.5
Lexington	Maximum	76	81	71	70	75	73	79	83	85	85	81	83	86	88	83	84	81	62	62	66	80	72	61	58	62	60	62	65	63	66	..	73.5
	Minimum	57	59	57	52	54	59	56	62	65	64	67	65	68	69	71	69	56	49	48	52	53	49	42	36	43	40	45	48	51	45	..	55.6
Louisville	Maximum	78	82	73	72	76	77	79	86	86	88	86	86	89	90	86	86	76	69	67	73	82	72	63	62	64	63	65	65	63	68	..	75.7
	Minimum	58	59	59	54	51	63	58	62	63	66	71	69	70	70	70	62	57	49	49	55	51	50	47	40	46	39	46	45	51	46	..	55.9
Ky. Cherokee Park	Maximum	75	77	76	70	74	74	76	81	83	84	82	84	88	88	86	87	78	70	67	74	83	74	66	63	67	66	66	71	69	71	..	74.6
	Minimum	57	56	60	49	49	62	56	57	59	63	66	64	66	66	70	57	57	48	47	54	48	47	51	36	49	32	44	39	49	44	..	55.4
St. John	Maximum	78	81	75	74	79	83	84	89	90	90	85	91	95	93	90	90	82	72	70	79	87	76	65	67	68	69	67	75	78	72	..	79.5
	Minimum	58	53	56	43	47	55	53	54	54	59	62	58	60	64	67	52	53	48	44	48	44	40	45	32	41	27	37	37	53	45	..	52.5
Scott	Maximum	76	80	72	73	73	74	76	82	87	87	86	86	86	86	83	87	86	81	67	64	71	68	63	59	63	60	62	65	63	68	..	74.1
	Minimum	53	52	59	45	50	60	51	56	57	60	60	63	67	66	70	55	57	50	49	54	49	40	50	33	48	28	35	47	49	40	..	51.8
Shelbyville	Maximum	77	82	75	74	76	77	81	87	89	89	86	88	91	93	88	90	87	89	80	77	68	66	76	66	76	66	65	67	66	68	70	77.6
	Minimum	53	55	56	43	48	58	53	55	56	58	62	59	62	64	68	53	54	44	41	49	42	42	44	29	41	26	39	35	47	40	..	49.1
Taylorsville	Maximum	73	80	71	65	78	75	78	81	83	86	84	84	86	88	83	83	77	70	63	72	82	75	53	50	41	28	38	23	33	42	..	74.7
	Minimum	63	65	63	45	47	66	58	55	56	66	67	70	69	73	73	53	57	43	46	51	40	40	40	30	41	23	33	29	42	36	..	52.9
Williamstown	Maximum	75	80	78	72	74	75	77	82	86	87	86	86	87	87	86	87	87	80	66	73	83	76	63	60	64	61	65	67	63	68	..	75.6
	Minimum	63	57	58	47	49	61	54	54	56	61	67	63	67	66	71	60	69	45	48	54	47	45	49	31	43	30	49	47	53	48	..	53.7
Eastern Division.																																	
Ashland	Maximum	73	78	77	79	73	72	77	75	81	83	85	87	87	89	91	88	87	83	64	57	66	80	73	68	66	70	63	66	70	62	..	75.1
	Minimum	57	56	57	49	49	55	56	54	54	56	59	61	62	66	67	55	58	55	53	52	50	50	46	34	38	32	37	4	43	48	..	51.7
Beattyville	Maximum	77	79	79	75	72	76	81	85	85	88	84	87	89	89	91	88	87	84	67	59	68	80	77	71	64	70	62	66	73	67	..	76.0
	Minimum	58	55	61	49	50	56	55	56	57	56	60	61	59	63	65	58	58	54	51	51	46	49	44	35	37	32	38	38	52	49	..	51.7
Boyd	Maximum	76	80	74	72	77	76	79	85	86	88	84	87	90	91	90	87	88	82	69	67	79	83	75	60	63	71	67	73	67	71	..	76.2
	Minimum	57	54	58	46	51	51	54	55	58	58	65	65	68	67	74	55	59	51	44	51	54	45	50	34	43	30	41	41	52	47	..	[52.0
Carrollton	Maximum	77	81	78	76	76	77	78	83	86	88	85	88	89	90	88	88	86	87	75	74	67	68	80	58	45	52	50	56	38	60	..	[76.5
	Minimum	57	56	58	46	51	51	54	55	58	58	65	65	68	67	74	55	59	51	44	51	54	45	50	34	43	30	41	41	52	47	..	[52.0
Farmers	Maximum	78	80	72	73	73	74	76	82	87	87	86	86	86	86	83	87	86	81	67	64	71	68	63	59	63	60	62	65	63	68	..	74.1
	Minimum	53	52	59	45	50	60	51	56	57	60	60	63	67	66	70	55	57	50	49	54	49	40	50	33	48	28	35	47	49	40	..	51.8
Flemingsburg	Maximum	77	82	75	74	76	77	81	87	89	89	86	88	91	93	88	90	87	89	80	77	68	66	76	66	76	66	65	67	66	68	70	77.6
	Minimum	53	52	59	45	50	60	51	56	57	60	60	63	67	66	70	55	57	50	49	54	49	40	50	33	48	28	35	47	49	40	..	51.8
Frankfort	Maximum	78	81	80	72	76	77	79	83	86	87	85	86	88	89	87	86	84	74	66	72	82	80	71	62	68	62	65	69	67	68	..	75.9
	Minimum	56	56	58	49	50	62	55	56	57	58	64	62	65	65	72	56	57	51	51	55	44	45	46	34	46	32	41	39	51	45	..	52.6
Georgetown	Maximum	82	83	82	78	82	81	88	86	89	89	87	90	90	91	88	87	87	79	69	75	79	78	71	68	66	71	70	69	73	74	..	79.9
	Minimum	63	60	62	57	54	58	59	61	62	64	68	67	67	71	72	68	69	54	47	51	52	53	51	34	48	33	42	45	52	54	..	56.6
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greensburg	Maximum	77	81	74	66	80	73	85	87	85	80	79	88	92	95	92	91	90	71	68	65	87	73	67	60	72	60	60	72	69	70	..	76.8
	Minimum	55	50	52	44	45	54	50	53	52	52	57	55	56	67	66	60	62	48	42	48	38	44	41	27	38	25	34	30	49	45	..	48.0
Irvington	Maximum	77	79	75	72	75	78	79	84	86	87	85	87	89	91	86	86	78	70	67	74	82	73	65	62	66	64	64	65	63	73	..	76.0
	Minimum	57	56	60	49	50	56	57	59	62	65	70	69	69	70	70	56	61	50	46	55	51	47	51	34	51	31	45	39	50	44	..	54.4
Junction City	Maximum	77	80	77	76	77	80	83	86	87	87	88	85	92	90	91	90	89	68	63	73	85	78	68	65	70	69	66	75	70	73	..	78.7
	Minimum	54	54	57	43	49	56	51	53	53	50	58	63	63	62	69	51	62	56	45	50	46	45	42	31	46	27	37	38	48	47	..	48.7
Leitchfield	Maximum	78	81	75	74	79	83	84	89	90	90	85	91	95	93	90	90	82	72	70	79	87	76	65	67	68	69	67	75	78	72	..	79.5
	Minimum	56	54	60	46	50	55	56	56	59	62	65	65	69	66	66	56	58	51	46	51	49	45	51	30	49	30	41	37	53	45	..	52.5
Lexington	Maximum	76	81	71	70	75	73	79	83	85	85	81	83	86	88	83	84	81	62	62	66	80	72	61	58	62	60	62	65	63	66	..	73.5
	Minimum	57	59	57	52	54	59	56	62	65	64	67	65	68	69	71	69	56	49	48	52	53	49	42	36	43	40	45	48	51	45	..	55.6
Louisville	Maximum	78	82	73	72	76	77	79	86	86	88	86	86	89	90	86	86	76	69	67	73	82	72	63	62	64	63	65	65	63	68	..	75.7
	Minimum	58	59	59	54	51	63	58	62	63	66	71	69	70	70	70	62	57	49	49	55	51	50	47	40	46	39	46	45	51	46	..	55.9
Ky. Cherokee Park	Maximum	75	77	76	70	74	74	76	81	83	84	82	84	88	88	86	87	78	70	67	74	83	74	66	63	67	66	66	71	69	71	..	74.6
	Minimum	57	56	60	49	49	62	56	57	59	63	66	64	66	66	70	57	57	48	47	54	48	47	51	36	49	32	44	39	49	44	..	55.4
St. John	Maximum	78	81	75	74	79	83	84	89	90	90	85	91	95	93	90	90	82	72	70	79	87	76	65	67	68	69	67	75	78	72	..	79.5
	Minimum	58	53	56	43	47	55	53	54	54	59	62	58	60	64	67	52	53	48	44	48	44	40	45	32	41	27	37	37	53	45	..	52.5
Scott	Maximum	76	80	72	73	73	74	76	82	87	87	86	86	86	86	83	87	86	81	67	64	71	68	63	59	63	60	62	65	63	68	..	74.1
	Minimum	53	52	59	45	50	60	51	56	57	60	60	63	67	66	70	55	57	50	49	54	49	40	50	33	48	28	35	47	49	40	..	51.8
Shelbyville	Maximum	77	82	75	74	76	77	81	87	89	89	86	88	91	93	88	90	87	89

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIII LOUISVILLE, KY., OCTOBER, 1928 No. 10

GENERAL SUMMARY.

The period of dry weather and high temperature that extended into the third week, favored the curing of tobacco and drying of corn, with corresponding excellence of condition in the case of both crops. This dry weather interfered seriously with soil preparation and seeding and also retarded or prevented the germination of grain already sown. It had the effect of postponing the seeding of wheat, which could not proceed in the drier districts until after the general rains early in the third week, and was not completed until the last week. Much of this wheat had just come up at the end of the month. Abnormally cool weather in the last week, culminating in frosts and freezing temperatures toward the end, retarded growth at a time when late sown wheat needed excess warmth to hasten development and strengthen the plants for resistance to winter. Showers in the northern counties early in the month resulted in prompt germination and satisfactory growth. Droughty conditions were not relieved in all districts until the general rains early in the third week. The growth of the last crop of alfalfa corresponded largely to the distribution of the early showers, otherwise the dry weather reduced this cutting. Weather for cutting was exceptionally favorable during the first two weeks, but less so thereafter on account of low temperature and cloudiness. In the extreme western counties and in some southern districts, where vegetation was damaged but not killed by the September frosts, some late corn and potatoes matured partial crops. Except in brief periods of rain, weather conditions favored cotton picking. Pastures recovered locally in the northern counties, stimulated by the showers and high temperature; but they remained short in other districts until after the general rains, with considerable feeding necessary. By the end of the month pastures had revived generally to such an extent as to furnish considerable grazing. The rapid and complete drying of corn led to early gathering and more than the usual progress. The weather favored the handling of fruit and other fall products.

TEMPERATURE.

Reports from 41 stations gave an average temperature for the state of 61.6°, which is 3.5° above normal. Relatively high temperature, with occasional maxima of 90° or above, prevailed from the 2d to 18th inclusive. With the exception of one or two days, temperatures were continuously below normal during the last decade, with daily deficiencies on the 29th and 30th ranging from 10° to 14°. These low temperatures were practically the same as those near the end of September preceding. Extremes for the State were 95° at Hopkinsville on the 10th, and 21° at Farmers on the 30th.

PRECIPITATION.

The average precipitation, based on reports from 81 stations, was 3.93 inches, which is 1.23 inches above normal. The rainfall was heaviest in the western and central counties, where it ranged between 4.5 and 7.0 inches; and lightest near the eastern border, where it varied generally between 2.0 and 3.5 inches. A part of the northern bluegrass district received from 3.0 to 3.5 inches, but in nearly all of the area from the Licking and upper Kentucky basins eastward and southward only 2.5 to 3.5 inches occurred. There were light to moderate showers in the periods 2d-5th and 27th-28th. Moderate to heavy showers occurred quite generally in the periods 15-18th and 22-23d. Amounts at the various stations ranged between 0.86 at Pineville and 7.11 inches at Leitchfield. Thundershowers were reported on the 2d, 3d, 5th, 11th, 16th, and 17th.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind: Total movement.	Av. hourly velocity.	Max. Velocity. Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.11	30.49	29	29.59	17	4666	6.3	20	SW.	29
Cincinnati ..... Ohio.	30.13	30.52	30	29.77	22	4283	5.8	32	S.	22
Evansville ..... Ind.	30.14	30.53	29	29.80	17	5116	6.9	32	S.	4
Lexington ..... Ky.	30.15	30.48	30	29.82	22	6927	11.6	30	SW.	17
Louisville ..... Ky.	30.13	30.52	29	29.80	22	6285	8.4	30	S.	5

*For any five minute period. †Bi-hourly 3-cup anemometer beginning January 1, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with: 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	84	58	64	258.2	348.1	74	18	4
Cincinnati ..... Ohio.	84	57	68	257.9	346.3	74	16	3
Evansville ..... Ind.	84	53	68	265.7	347.3	76	15	7
Lexington ..... Ky.	84	54	67	257.7	347.3	74	13	5
Louisville ..... Ky.	83	55	64	243.1	347.3	70	16	4

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature. Monthly average.	Departure from 48-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 48-year normal.	No. of days with .01 or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1880	62.0	-0.4	89	25	2.42	-0.18					
1881	55.7	-5.1	87	23	2.34	-0.24					
1882	54.8	-6.2	82	24	0.78	-1.82					
1883	59.3	-1.8	85	28	4.03	+1.43					
1884	60.4	-1.7	80	19	4.69	+1.46					
1885	55.6	-6.5	82	25	1.36	-1.24					
1886	59.2	-2.9	89	14	1.24	-1.26	4	21	5	5	
1887	55.8	-5.9	86	23	1.71	-0.89	5	14	8	9	
1888	63.2	+1.1	86	28	1.10	-1.50	4	23	5	3	
1889	57.1	-1.0	93	21	4.39	+1.54	15	12	9	10	0
1890	61.3	+2.2	93	26	2.42	-0.18	5	18	5	8	0
1891	64.5	+6.4	93	29	2.29	-0.31	5	16	7	8	0
1892	58.1	-1.6	83	33	1.67	-1.03	4	22	4	4	0
1902	60.1	-2.0	91	25	4.24	+0.26	5	18	7	6	0
1903	57.7	-0.4	86	19	3.22	-0.88	5	9	6	16	0
1904	57.4	-0.9	88	26	0.52	-2.68	2	21	4	6	0
1905	57.0	-1.1	90	25	4.95	+2.56	7	14	7	9	0
1906	56.2	-1.2	91	30	1.51	-1.09	4	15	5	11	0
1907	50.5	-2.6	93	20	3.37	+0.97	7	18	5	8	0
1908	57.1	-1.6	92	20	0.71	-1.82	3	20	3	8	0
1909	56.9	-2.9	94	18	2.11	-0.49	6	19	7	5	0
1910	63.4	+3.3	96	17	4.45	+1.85	6	20	4	7	0
1911	59.4	+1.8	94	27	8.73	+5.13	16	18	6	7	0
1912	56.5	-1.4	92	25	3.42	+0.82	7	17	8	6	0
1913	56.9	-1.7	87	23	3.55	+0.95	8	14	7	10	0
1914	59.7	+1.6	91	25	3.20	+0.60	8	18	7	6	0
1915	60.6	+2.6	89	24	3.30	+0.70	7	17	7	7	0
1916	58.6	+0.5	90	24	3.37	+0.67	7	18	6	7	0
1917	51.1	-7.0	86	20	1.78	-0.92	4	14	5	12	0
1918	62.3	+4.2	91	32	5.85	+1.21	10	16	7	8	0
1919	58.6	+0.5	88	25	3.89	-0.75	7	14	7	10	0
1920	58.1	-2.9	93	24	1.64	-2.50	4	25	4	2	0
1921	58.1	-1.6	94	24	2.53	-1.61	4	20	6	5	0
1922	60.5	-2.1	88	25	4.14	+0.00	7	17	6	7	0
1923	59.5	-1.0	87	30	7.03	+2.89	8	12	6	12	0
1924	60.1	-1.4	91	30	4.26	+0.12	7	14	7	10	0
1925	62.8	+1.5	88	33	5.67	+1.49	7	16	7	8	0
1926	58.3	-3.1	91	25	2.76	-1.42	7	17	6	7	0
1927	59.2	-1.6	92	27	3.61	-0.57	8	17	6	7	0
1928	61.6	+3.5	95	21	3.93	+1.23	7	17	6	8	0

Climatological Data for October, 1928.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall unmelted	.01 in. or more	Clear	Pt. cloudy	Cloudy		
Western Division.																				
Beaver Dam	Ohio	441	24	64.2 + 5.5	94	13	26	31	51	5.66	+2.86	1.80	0	10	23	1	7	e.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	24	62.6 + 2.6	89	13	27	31	38	3.88	+0.49	0.76	0	9	7	18	6	sw.	W. A. Taylor.
Earlington	Hopkins	420	38	62.6 + 3.3	88	10†	27	31	42	4.80	+2.23	1.08	0	10	22	3	6	sw.	Brick Southworth.
Greenville	Muhlenburg	519	11	[a]62.9 + 3.6	[a]92	10	[a]26	31	[a]47	5.32	+1.26	1.25	0	10	[a]16	[a]11	[a]2	s.	C. R. Lovell.
Hopkinsville	Christian	624	32	63.7 + 3.1	95	10	28	31	48	6.35	+3.31	1.46	0	9	12	7	12	se.	W. E. Graves.
Lovelaceville	Ballard			64.0	90	10†	34	31	36	4.71		0.92	0	9	14	9	8	sw.	B. Sallee.
Marion	Crittenden	571	30	63.4 + 3.3	92	11	34	30	32	5.36	+2.51	2.00	0	6	11	11	6	sw.	B. C. Paris.
Mayfield	Graves	361	19	[a]66.0 + 6.2	91[a]	13	28[a]	31	42[a]	3.54	+0.89	1.00	0	7	15[a]	9[a]	6[a]	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	2	62.0	93	10†	26	31	49	4.99		1.75	0	5	17	8	6	s.	Harry B. Arnold
Owensboro	Daviess	479	31	61.4 + 2.5	89	13	30	26	40	3.29	+0.01	0.60	0	9	22	3	6	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	479								3.49		0.85	0	8					George McClemary.
Paducah	McCracken	516	11	64.0 + 3.2	92	9†	29	31	42	4.46	+0.47	1.43	0	9	19	5	7	se.	J. W. Lidey
Paducah, Nears	McCracken	341	39							5.16	+2.18	1.20	0	10					Frank L. Brown.
Paducah	McCracken	529	21	61.4 + 2.3	87	10†	28	31	40	4.92	+2.53	1.20	0	9	15	7	9	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	11							3.83	+0.12	0.87	0	9					Thos. L. Wetzell.
Ramsey, Lock 2	McLean	390	17	[b]59.8 + 0.4	90[b]	11†	31[b]	31	45[b]	6.33	+3.85	2.60	0	10	13[c]	1[c]	9[c]		Wm. Shelton.
Russellville	Logan	314								5.51		1.75	0	9					H. R. Sale.
Uniontown, Dam 40	Union																		
Central Division.																			C. L. Moore.
Addison, Dam 45	Breckinridge	352								3.92		0.76	0	8					
Anchorage	Jefferson	700	27	59.8 + 3.9	90	13	28	26†	38	2.72	−0.33	1.08	0	10	18	7	6	se.	C. E. Barret.
Bardstown	Nelson	637	31	62.2 + 3.1	92	11†	27	31	44	6.35	+3.53	2.90	0	7	23	0	8	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	39	64.2 + 4.4	94	14	34	31	42	5.12	+2.40	1.75	0	9	16	8	7	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	3							5.27		1.98	0	6					Jas. R. Hines.
Brownsville, Lock 6	Edmonson	410	11							5.03	+1.34	1.63	0	8					Virgil M. Whalin.
Burnside	Pulaski	773	37							2.21	−0.82	0.92	0	8					T. A. Lewis
Carrollton, Lock 1	Carroll	422	29							2.92	+0.08	1.03	0	5					Shelby Angel.
Coal Spring, Dam 36	Campbell	489	2							4.75		2.44	0	8					Bert Ross.
Dix Dam, Burgin	Mercer	770	4	62.8	87	12†	32	26†	39	2.96		1.02	0	7	17	7	7		G. D. Glass.
Eubank	Pulaski	1177	34	61.0 + 4.1	89	13	26	27	38	3.91	+1.19	2.10	0	4	9	10	12	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	36	61.4 + 4.3	87	13	29	30	36	5.35	+2.88	2.41	0	6	18	4	9	s.	Sidney Wood.
Franklin	Simpson	691	33	61.4 + 1.2	87	10	33	30†	35	4.95	+2.84	1.65	0	9	20	9	2	se.	M. E. Johnson.
Georgetown	Scott	449	17							5.17	+1.98	1.78	0	9					Albert Parvis.
Gest, Lock 3	Henry	780	7																Dr. Fidella Edwards.
Glasgow	Barren	506	3							2.82		0.76	0	9					W. T. Dugan.
Grant, Dam 38	Boone	581	35	[b]58.9 + 1.8	90[c]	13	27	26†	47[c]	4.93	+1.86	1.65	0	10	11	4	16	se.	Mrs. Bettie K. H. Alcorn.
Greensburg	Jessamine	581	35							2.58	−0.40	0.92	0	8					Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	550	26							5.37	+2.36	1.63	0	9	10	5	7	sw.	W. J. Pidgott.
Irvington	Breckinridge	646	30	61.6 + 5.1	88	13	29	31	36	5.08	+2.55	1.68	0	8	16	12	3	s.	Caroline Grubbs.
Junction City	Boyle	985	34	60.8 + 3.0	91	13	28	30	45	3.90		1.20	0	8					L. J. Vanhook.
Lancaster	Garrard	1032	2							7.11	+4.38	3.75	0	11	16	7	8	s	B. H. Willis.
Leitchfield	Grayson	655	32	62.4 + 4.3	91	13	29	31	43	2.68	−0.09	1.19	0	9	17	8	6	sw	U. S. Weather Bureau
Lexington	Fayette	989	41	61.0 + 3.6	85	13	30	30	26	4.64	+1.79	1.40	0	6					Horace Canter.
Littlefield, Lock 8	Jessamine	523	17							4.20	+1.10	1.53	0	9					Andrew J. Keenan.
Lockport, Lock 2	Henry	475	18							4.45	+1.80	2.64	0	8	16	9	6	s.	U. S. Weather Bureau
Louisville	Jefferson	525	55	61.4 + 2.1	88	13	32	30	31	2.73	−0.65	1.00	0	10	17	7	7	sw.	Wm. I. Bust.
Do. (Cherokee Park)	Do.	534	18	60.2 + 2.2	85	13	28	31	31	5.58		2.00	0	8					A. G. Hubbard.
Munfordville	Hart	600	3							4.25	+1.42	2.40	0	6	22	3	6		Sisters of Loretto.
St. John	Hardin	777	32	59.6 + 1.9	91	13	24	31	42	2.98	+0.48	1.20	0	6					Ernest M. Searcy.
Salvisa, Lock 6	Mercer	490	14							4.55	+2.12	1.66	0	9	10	11	10	s.	E. B Wilson.
Scott	Kenton	960	30	61.2 + 3.2	89	13	25	31	42	3.37	+0.62	2.00	0	12	19	4	8	sw.	Miss Ruth Ratta.
Shelbyville	Shelby	825	39	60.6 + 3.4	91	13	25	31	39	5.77	+2.80	2.74	0	10	19	6	6	s.	E. D. Boorman.
Taylorsville	Spencer	489	26	60.2 + 3.9	86	13	28	31	40	4.71	+1.49	2.00	0	7					H. K. Vaughn.
Tyrone, Lock 5	Anderson	526	10							5.28	+2.37	2.36	0	9	15	12	4	nw.	Mrs. E. S. Hundoog
Williamstown	Grant	843	25		87	13				5.56	+2.24	1.80	0	10					H. J. Lewis.
Woodbury, Lock 4	Butler	533	11																
Eastern Division.																			Curtis Parvis.
Ashland	Boyd	534	11	59.7 + 2.0	89	12†	25	30	38	2.28	−0.41	1.12	0	7	16	0	15	w.	Robert S. Smallwood.
Bagdad	Lee	650	24	60.0 + 2.2	89	11†	26	30	41	2.54	−0.81	1.07	0	7	10	11	10	w.	Chas. C. Graham.
Beattyville	Madison	1070	26	61.3 + 4.5	90	13	28	30	39	3.00	−0.34	1.12	0	6	15	8	8	w.	Kelly Walden
Berea	Madison	601	18							3.21	−0.09	1.10	0	6					P. H. Kehoe.
College Hill, Lock 11	Harrison	684	10							3.22	+0.68	1.08	0	10					J. V. Oldham.
Cynthiana	Pendleton	600	39							3.03	−0.42	1.11	0	6	18	7	6	e.	Mrs. R. F. Stamper.
Falmouth	Boone	668	20	58.6 + 1.9	89	11†	21	30	47	3.10		1.35	0	5					C. A. Glascock
Farmers	Rowan	841	5							2.57	+0.68	1.02	0	8					John A. Walters.
Fincastle, Spring	Fleming	563	12							2.25		1.06	0	5					col. Frank Powers.
Ford, Lock 10	Clark	589	3							1.96		0.75	0	7					T. Mitchell.
Grahn	Carter	540	8							2.90		0.98	0	10					Chas. O. Doig.
Greenup, Dam 30	Greenup	869	4							2.56	−1.23	1.05	0	5					S. H. Cole.
Hazard	Perry	664	11																Car Napier
Beneleing, Lock 14	Lee	1032	3							2.56		1.05	0	9					R. R. Davidson.
Hindman	Knott	1566	3							2.42	−0.44	1.43	0	5					Russian Copley
Isonville	Letcher	984	24							3.35	+0.69	1.52	0	10	15	7	9	s.	Perry E. Bennett
Louisa	Lawrence	522	31	66.7 + 3.2	91	13	25	30	42	3.56	+0.89	1.33	0	5	22	7	2		Matthew Woodson.
Maysville	Mason	1128	32	61.4 + 4.6	89	14	28	30	38	3.54	+0.54	1.52	0	7	20	2	9	w.	W. R McKee.
Mt. Sterling	Bell	950	38	58.9 + 3.3	89	11†	26	26†	45	3.67		1.22	0	6					Andrew M. Stanforth.
Mount Sterling	Montgomery	897	6							6.86	−2.06	0.28	0	5					Robert Reese.
Oneonta, Dam 35	Campbell	699	22							2.30		1.50	0	4					F. C. Bell.
Pikeville	Pike	646	3							3.97		2.35	0	4					R. W. Jones.
Prestonsburg	Floyd	702	5	66.5	90	11†	26	30	42	2.87	−0.56	1.12	0	6					Walter F. Bush.
Quicksand	Breath It	624	10							3.40	+0.59	1.42	0	6	20	5	6		I. W. Crooke
Ravenna, Lock 12	Estill	926	37	61.0 + 5.6	92	13	29	30	37										B. P. Crawford
Richmond	Madison	1235	5							3.23	−0.31	1.00	0	5					Thos. Sullivan.
Sassafras	Letcher	594	15							3.05	+0.19	1.18	0	6					H. M. Fannin.
Silver View, Lock 9	Madison	525	13							1.98		0.98	0	3					G. H. Zimmerman.
Greenburg, Dam 32	Lewis	1142	3							4.66	+1.31	2.80	0	6	25	6	0		Lawrence R. Uhl.
Whitesburg	Letcher	879	31	61.6 + 1.9	91	11	27	30	39	2.30		1.20	0	3					Jessie Hicks.
Williamsburg	Whitley	611	9							2.93	+1.33	3.75	0	8	17	7	7	s.	
Wilson, Lock 13	Lee			61.6 + 3.5	85	10	21	30	51										

State averages and extremes

a 23 temperature data are taken from self-registering thermometers.

b Temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. c Departure from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River. d Departure from section or division mean. e Prevailing direction of days missing; for example, s represents two days, etc. f Precipitation is less than 0.01 inch rain or melted snow. g Lone Oak. Reference letters [a], [b], [c], appearing in the table indicate number

Daily Precipitation for October, 1928.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G	.10	.20	.16	.57										1.08	.30	1.80					.26	.70				.45					
Calhoun	G	T.	.24	.01	.70			T.							.87	.65	.68	.01				.24	T				.06					
Carlington	G	.05	.42	.12	.43										.37	1.08	.83					.98	.07				.43					
Greenville	G	.08	T.	.49	.00										.47	.45	1.25	.11				.60	.83				.31					
Hopkinsville	C	.56		.11	.79											.88	1.27	.80					1.16				.54	.47				
Lovelaceville	M		.32	.01	.58										.87	.92	.72	T.				.44	.01				.68		T			
Marion	O		.30		.76										1.40	2.00						.55					.55					
Mayfield	M	.10	.40	.05	.42											1.00						1.60					.37					
Murray	T		.54	T.											1.35	1.75					T.	.70					.45	T				
Owensboro	O		.57	T.	.53			T.							.20	.32	.60	.15				.32	.53				.25					
Owensboro, Dam 46	O			.30	.46										.60	.54	.35						.85				.62	.07				
Paducah (near)	O	.20	.32	.11											.50	1.43	.80					.18	.02				.66					
Paducah	O	.32	.50	.75	.55										T.	.47	1.20	.45					.40					.42	.10				
Princeton	K	.35	.35	.12	.26			T.							.75	1.20	.57					.77					.57					
Ramsey, Lock No. 2	G		.06	.17	.67										.51	.75	.36						.65				.48	.05				
Russellville	G	.78	*	*	.26											.32	2.60	.90	.02				.99	.01				.45					
Smithtown, Dam 49	O		.05	.40	.26										1.75	1.75	.76						12				.17	.35				
Central Division																																
Addison, Dam 45	O			.51	.54	.02										.76	.58	.40				.75						.36				
Anchorage	O	T.	.26	.03	.22					.01					.04	.32	1.66					.34	.20				.22					
Bardstown	S			.25	.56										.04	.30	2.90	.63					1.42				.40					
Bowling Green	G	.07	.35	.02	.36											.02	1.75	.90					1.30					.48					
Bowling Green, No. 2	G		.51	.21	.52											T.	1.48	.31					1.44									
Brownsville, Lock No. 6	G	.05	.14													.12	1.58	.58					1.63					.44				
Burnside	C	.04	.20			.10						.02						.92					.81					.02		.03		
Carrollton (Lock No. 1)	K	.03		.21	.56									T.		.05	.88	2.44					.58	T.			T	.13				
Cecil Spring, Dam 36	O		T.	.06	.44	.20											.44	1.43					.74									
Dix Dam, Burgin	K	.03		.46						.43						.02	.78					1.02					.22					
Drakesboro	C	.20																	2.10					1.15					.46			
Frankfort	K		T.	.25	.33											T.	2.41	.92				1.24	T.				.20				
Franklin	G	.45	.15	.35	.25										.46		1.65					.65	.70				.35					
Gest, Lock No. 3	K	T.	.03	.17	.16							.21				T.	1.61	1.78					.98	.03		T.	.14					
Glasgow	G																															
Grahl, Dam 38	O	T.	.26	.02	.32	.14	T.									.11	.66	.76				.47				T	.14					
Greensburg	G	.07		.27	.67										T.	.17	1.65	.12				.07	1.48				.10	.03				
High Bridge, Lock No. 7	K			.16	.10	.01					.10					.06	.23	.72					.92	T.				.28				
Irvington	O	.04	.21	.03	.34										1.63	.90	1.48					.53	T.				.36					
Jamestown City	K	.03			.76											.67	.64	1.00				1.08					.31	.05				
Jamestown	K		T.		.23	.10											.47	1.20				.60	.18	.02				.26				
Leitchfield	G	.04	.20	.80	.55										.15	.05	3.75	.20				.25	.45				.57					
Lexington ***	K	.10		.10	.68										T.	.05	.88					1.16	.03				.21	.01				
Little Hickman, Lock No. 8	K		.08	T.	.60	T.											1.20	1.10					1.40					.26				
Lockport, Lock No. 2	K	.08	.66	.16											.62	1.53	.79					.78	T.		.03	.15					
Louisville	O	.01	.07	T.	.83										.46	.83	1.95					.39	T.				.24					
Do. (Cherokee Park)	O	.04	.01	.02	.34										T.	.40	1.00	.40					.21					.18	.03				
Lunsford ville	G		.10		.58	.18										.05	2.00	1.20					.95					.52				
Mount John	S		T.	.25											T.	.10	2.40					1.05	.10				.35					
Nelsonville	K		.03	T.	.10											T.	.78	.52					1.29					.55				
Nicholasville	L	T.	T.	.25	.56		T.		T.							.02	1.05	1.64				.01	.52				.18	.02				
Paris	S	.04	.20	.03	.12										.01	.03	2.60	.39	.05			.34					.13	.03				
Taylorsville	S	.27	.68	.11	.21											T.	T.	2.74	.67			.05	1.34				.28	.07				
Tyrone, Lock No. 5	K	.10	.29	.24	T.										2.00	.55						1.80					.23					
Williamstown	L		.46	.28	.19				.09							.36	.94						.82					.12	.02				
Woodbury, Lock No. 4	G	.15	.30	.03	.26	.10										.28	1.72	1.80					.99					.33				
Eastern Division																																
Ashland	O		.16			.10			.28							.02		1.12					.56					.04					
Battyville	K	T.	.24			.20										.01		1.07					.74	T.				.26	T	.02		
Berea	K	.26			.15										T.	.09	1.30						.85					.39			T	
College Hill, Lock No. 11	K	.20	T.		.26	.05										.02	.22	1.12					.90	.05				.24				
Cynthiana	L			.16	.36												1.10	.42					1.02					.15				
Dismukes	L	T.		.40	.27	.07			.06		.03					.01	1.08	.32					.83				T	.15				
Farmers	L	1.11															.70	.44					.65	.04				.11				
Georgetown	L	.40							.25									1.65					1.25						.15				
Ford, Lock No. 10	K	.07	.06	T.	.22	T.										T.	.09	.80					1.02	.04				.27				
Grayson	O		.33						.16									1.06					.61						.09			
Hazard	O		.02	.45		.05			.18							.01	T	.75					.71					.06				
Heidelberg, Lock No. 14	K				13	.06		.12										.38	.55				.47	.02				.12				
Hickman	K			.28	.17													1.05					.79					.27				
Hilkins	K																															
Louisa	K		.80		.48				.35						.06		.17	1.05				.40	.11				.14					
Maysville	O		.20						.18									1.43				.88						.23				
Middlesboro	C	.98	.01	.22	.15	.02			.31							.03	.27	.72					1.52	T.				.07				
Mount Sterling	L	.11			.44											.40		.72					1.53								.07	
Pineville Dam 35	O		T.	.56	.35	T.			T.							.21	1.52	.12					.93				.10					
Pineville	K		.28			.12				T.						T.	.00	1.22	T.				.53					.11				
Prestonsburg	B		.11													.06	.22					T					.18					
Quicksand	K		T.						.52								1.56						.48					.21				
Ravenna, Lock No. 12	K	.08	.32		T.	.15			T.							T.	T	1.12					.76					.24				
Rockbound	K	.20			.22											.06	1.20						1.42					.30				
Rogers	K																															
Valley View, Lock No. 9	K				.40											.28	.70	.85					1.00									
Vanceburg, Dam No. 32	O			.50					.38							.01	.02						1.18					.05				
Williamsburg	K																.08						.50				.50					
Willow, Lock No. 13	K															.15	2.80						.47							.20		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

* Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. + Precipitation included in the next following measurement

? Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green (C) Cumberland

T. Tennessee; (O) Ohio (M) Mississippi.

*Long Oak

Daily Temperatures for October, 1928.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	87	85	78	80	83	84	88	91	91	91	92	92	94	89	80	87	89	75	73	67	78	71	78	69	67	66	60	59	52	56	63	77.7
	Minimum	36	59	62	68	61	44	45	51	63	55	61	60	55	62	64	68	65	54	48	60	68	55	40	40	34	29	46	41	33	31	26	50.8
Calhoun	Maximum	88	84	78	79	86	82	85	88	87	88	87	87	89	84	78	84	73	73	68	64	74	67	63	66	64	61	59	58	50	51	59	78.7
	Minimum	42	62	62	68	65	47	48	53	65	66	62	59	60	65	67	64	54	50	38	43	57	45	42	40	34	40	42	37	33	27	38	51.6
Earlington	Maximum	83	84	79	82	89	81	86	86	86	88	86	88	88	85	83	83	74	73	73	62	73	70	63	62	62	60	60	60	56	58	58	74.4
	Minimum	41	61	64	68	61	44	46	50	68	49	67	49	60	62	64	68	65	54	48	37	42	58	46	38	38	32	50	40	35	34	27	50.7
Greenville	Maximum	85	84	78	81	83	...	...	88	88	92	89	90	91	89	78	84	73	72	76	69	76	70	68	65	65	65	59	...	59	53	62	°75.6
	Minimum	38	59	62	68	68	48	...	45	63	46	64	59	58	62	64	66	64	54	48	36	40	56	45	36	34	30	47	...	36	32	26	°50.2
Hopkinsville	Maximum	88	86	78	81	84	85	88	90	93	95	94	92	90	82	80	77	73	74	68	68	78	69	66	71	70	67	61	63	58	58	63	77.9
	Minimum	43	59	60	66	66	47	45	50	57	48	62	61	56	63	64	67	68	52	44	36	42	52	45	36	35	34	45	41	35	33	28	49.5
Lewisburg	Maximum	83	81	72	84	81	84	85	85	88	90	89	89	89	86	77	75	73	69	67	66	73	71	61	63	60	61	63	60	60	58	58	74.2
	Minimum	47	62	65	65	69	54	54	58	61	58	65	66	66	62	68	66	63	51	50	40	46	51	44	45	43	44	52	43	40	36	34	53.9
Owensboro	Maximum	86	85	78	81	83	79	82	81	84	87	92	86	84	82	82	86	82	80	78	64	76	66	61	64	63	60	61	61	60	56	57	76.0
	Minimum	43	66	64	66	70	46	49	53	65	55	65	67	61	62	66	67	68	51	46	35	45	53	42	40	35	30	45	40	36	32	26	51.5
Paducah (near)	Maximum	85	84	77	86	86	87	91	87	92	93	91	90	94	91	87	86	82	79	...	85	76	74	64	66	66	66	64	66	63	61	62	°72.9
	Minimum	44	62	66	70	48	49	61	64	66	64	64	61	64	66	66	62	50	...	47	43	58	45	42	40	38	41	42	37	33	28	26	°52.9
Princeton	Maximum	85	86	77	87	83	84	88	89	88	93	88	88	92	86	76	81	76	73	72	66	76	66	65	69	67	67	61	60	52	56	63	76.0
	Minimum	40	60	60	66	69	47	47	47	61	49	60	60	58	63	64	67	62	50	46	37	42	53	43	39	37	35	45	46	33	31	26	49.9
Russellville	Maximum	86	...	...	...	...	...	...	...	...	...	...	45	62	60	60	63	69	69	54	50	36	43	55	46	43	38	33	30	45	39	32	31	°54.1
	Minimum	43	48	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	°47.7
Central Division.																																	
Anchorage	Maximum	74	76	75	78	82	81	80	80	86	87	89	88	90	81	85	87	72	71	67	64	75	73	61	64	61	61	56	56	55	60	60	73.1
	Minimum	39	56	58	62	58	45	45	51	56	49	55	56	56	56	57	65	63	50	46	33	39	54	40	33	31	28	40	38	28	28	33	46.5
Bardstown	Maximum	81	78	81	79	85	85	87	86	89	88	92	91	92	85	80	87	79	74	72	66	77	75	63	65	64	64	60	58	58	64	62	75.9
	Minimum	39	59	59	65	60	43	43	54	67	45	58	56	55	59	57	69	66	57	47	34	38	56	48	35	34	27	42	43	32	30	27	48.6
Bowling Green	Maximum	83	80	77	79	85	86	89	89	90	91	88	89	92	84	84	86	78	76	83	73	77	73	64	66	65	64	57	61	53	53	53	77.0
	Minimum	41	58	60	64	67	52	52	52	52	52	60	62	60	60	60	66	62	48	40	40	58	47	45	40	35	34	45	37	37	34	30	51.4
Dix Dam	Maximum	78	72	80	80	82	81	84	85	88	86	87	88	86	86	85	86	80	79	79	76	70	74	72	76	68	68	65	58	62	73	57	75.6
	Minimum	40	59	60	66	67	66	65	54	61	69	47	55	57	56	62	60	67	65	61	51	58	38	48	42	34	33	32	42	40	36	34	54.5
Eubank	Maximum	78	72	79	78	80	81	84	86	84	86	87	88	86	86	86	86	81	77	70	75	70	68	74	70	69	63	61	60	59	58	58	75.8
	Minimum	41	56	55	63	64	49	49	51	52	54	52	54	51	57	59	66	67	49	56	45	44	37	45	46	33	31	26	39	46	28	28	47.5
Frankfort	Maximum	75	75	74	81	81	77	78	82	82	88	86	84	87	85	84	84	80	78	70	62	73	74	72	62	61	58	56	57	50	49	55	72.6
	Minimum	40	58	63	65	66	48	45	49	68	47	68	56	55	60	58	56	55	49	38	41	49	35	41	33	42	40	31	29	32	46	51	50.7
Franklin	Maximum	73	74	76	74	75	78	79	81	82	87	86	88	86	85	80	79	78	71	69	63	69	68	65	65	58	57	55	50	52	48	51	70.7
	Minimum	48	61	62	61	68	49	53	58	60	52	63	61	59	62	71	61	62	58	52	39	43	54	47	42	42	36	44	38	34	30	35	52.2
Glasgow	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Greensburg	Maximum	80	71	81	72	82	76	71	83	77	85	87	84	80	79	79	76	79	67	65	62	73	68	...	...	...	...	66	62	54	56	51	59	72.2
	Minimum	33	55	53	63	64	42	40	46	62	42	52	50	49	58	55	67	64	55	41	33	36	51	46	30	31	27	38	43	27	27	31	45.6
Irvington	Maximum	83	78	78	74	75	80	78	80	80	84	84	86	85	88	79	81	83	70	69	66	60	72	70	64	62	60	58	55	58	56	56	71.4
	Minimum	42	61	63	68	66	48	42	55	67	52	66	68	61	59	60	68	65	56	52	39	44	58	46	41	38	33	48	43	36	36	36	51.9
Junction City	Maximum	78	70	81	80	84	83	85	85	86	86	88	88	91	84	85	78	79	74	71	64	74	74	70	64	62	61	60	58	56	56	61	74.3
	Minimum	34	57	59	64	64	47	40	47	62	46	58	54	52	60	55	67	67	60	41	35	36	54	44	40	42	27	35	45	29	28	31	47.4
Leitchfield	Maximum	81	79	78	77	82	82	85	86	88	87	88	88	87	86	86	86	81	77	70	75	70	68	74	70	69	63	61	60	59	58	58	76.0
	Minimum	38	59	61	66	68	48	47	54	65	50	63	66	60	61	60	66	65	55	49	37	43	54	45	42	41	32	45	43	36	33	28	50.7
Louisville	Maximum	75	70	78	77	79	77	77	82	81	82	84	84	85	74	82	78	77	69	64	58	72	71	59	58	56	55	54	52	48	47	57	69.7
	Minimum	49	59	66	66	60	52	58	58	64	59	63	65	64	57	60	60	63	57	44	40	46	56	44	44	40	39	42	38	38	34	30	52.2
Louisville	Maximum	74	76	72	76	79	78	78	78	82	85	86	85	88	76	80	80	71	68	64	61	74	72	56	62	56	57	56	54	49	49	56	70.6
	Minimum	45	60	61	67	58	52	50	56	61	64	64	64	65	57	59	66	65	57	48	44	46	56	46	46	45	38	46	40	36	32	33	53.3
Louisville	Maximum	71	74	73	75	78	75	74	76	81	83	83	82	85	84	80	82	79	70	66	61	71	70	65	61	60	56	55	57	50	47	54	70.3
Do (Cherokee Park)	Minimum	41	58	60	65	66	49	47	51	65	49	58	60	59	57	57	66	65	57	50	39	41	55	46	42	41	32	44	43	34	30	28	50.2
Mount Washington	Maximum	79	75	76	82	85	82	84	85	87	86	88	87	91	88	81	78	76	74	67	75	74	72	71	62	65	60	56	57	50	49	58	74.9
	Minimum	43	65	57	58	57	45	42	52	56	47	58	54	52	53	56	55	52	51	39	34	45	41	40	38	42	42	45	43	35	28	28	45.1
Nicholasville	Maximum	73	71	71	82	78	78	78	81	83	87	87	87	89	89	87	86	77	70	65	61	72	73	67	64	60	59	63	54	49	54	60	72.4
	Minimum	39	56	60	65	66	47	47	52	68	45	47	62	63	56	58	67	66	60	43	38	39	54	43	40	38	36	42	45	45	33	25	50.1
Paris	Maximum	77	73	75	78	83	80	82	83	85	86	89	88	91	79	85	86	76	72	68	64	70	73	62	64	62	60	54	56	46	46	49	73.3
	Minimum	42	66	66	68	69	46	45	51	64	49	63	62	64	62	64	66	67	55	46	44	40	51	47	38	36	27	44	40	36	30	26	49.6
Paynes	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pineville	Maximum	77	73	80	83	85	80	79	86	83	85	89	88	91	86	89	89	84	79	69	64	73	76	69	63	60	58	58	59	52	49	52	74.2
	Minimum	41	54	54	59	66	42	42	44	63	43	48	56	55	58	52	54	56	46	36	36	38	50	50	38	33	33	48	39	35	30	34	47.2
Maysville	Maximum	76	69	74	80	79	80	81	84	86	87	84	82	83	84	82	81	80	81	74	69	82	76	69	71	74	69	63	64	56	60	60	74.6
	Minimum	44	58	58	59	66	63	51	45	57	55	49	55	57	54	59	63	60	62	49	37	39	46	50	36	33	33	48	46	42	38	36	49.6
Middlesboro	Minimum	67	56	54	62	62	58	54	56	58	57	54	56	59	59	59	59	59	57	54	45	45	56	49	46	37	33	36	37	33	29	29	49.4
Mount Sterling	Maximum	84	84	86	82	82	78	84	87	84	86	89	87	89	83	84	76	69	64	66	67	71	74	57	59	58	54	56	54	50	49	50	73.8
	Minimum	54	44	46	52	54	48	43	42	56	46	52	54	55	58	54	56	60	54	45	35	36	49	46	37	34	31	34	45	46	37	33	48.4
Mount Vernon	Maximum	79	77	82	82	82	78	84	87	84	86	89	87	89	84	84	76	69	64	66	67	71	74	58	59	58	54	56	54	50	49	50	73.8
	Minimum	54	44	46	52	54	48	43	42	56	46	52	54	55	58	54	56	60	54	45	35	36	49	46	37	34	31	34	45	46	37	33	48.4
Quicksand	Maximum	79	77	82	82	82	78	84	87	84	86	89	87	89	84	84	76	69	64	66	67	71	74	58	59	58	54	56	54	50	49	50	73.8
	Minimum	54	44	46	52	54	48	43	42	56	46	52	54	55	58	54	56	60	54	45	35	36	49	46	37	34	31	34	45	46	37	33	48.4
Somerset	Maximum	82	80	81	82	82	78	84	87	84	86	89	87	89	84	84	76	69	64	66	67	71	74	58	59	58	54	56	54	50	49	50	73.8
	Minimum	54	44	46	52	54	48	43	42	56	46	52	54	55	58	54	56	60	54	45	35	36	49	46	37	34	31	34	45	46	37	33	48.4
Springfield	Maximum	82	80	81	82	82	78	84	87	84	86	89	87	89	84	84	76	69	64	66	67	71	74	58	59	58	54	56	54	50	49	50	73.8
	Minimum	54	44	46	52	54	48	43	42	56	46	52	54	55	58	54	56	60	54	45	35	36	49	46	37	34	31	34	45	46	37	33	48.4
Taylorsville	Maximum	82	80	81	82	82	78	84	87	84	86	89	87	89	84	84	76	69	64	66	67	71	74	58	59	58	54	56	54	50	49	50	73.8
	Minimum	54	44	46	52	54	48	43	42	56	46	52	54	55	58	54	56	60	54	45	35	36	49	46	37	34	31	34	45	46	37	33	48.4
Versailles	Maximum	82	80	81	82	82	78	84	87	84	86	89	87	89	84	84	76	69	64	66	67	71	74	58	59	58	54	56	54	50	49	50	73.8
	Minimum	54	44	46	52	54	48	43	42	56	46	52	54	55	58	54	56	60	54	45	35	36	49	46	37	34	31	34	45	46	37	33	48.4
Washington	Maximum	82	80	81	82	82	78	84	87	84	86	89	87	89	84	84	76	69	64	66	67	71	74	58	59	58	54	56	54	50	49	50	73.8
	Minimum	54	44	46	52	54	48	43	42	56	46	52	54	55	58	54	56	60	54	45	35	36	49	46	37	34	31	34	45	46	37	33	48.4
Williamsburg	Maximum	77	70	78	80	83	75	73	80	76	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	78.5
	Minimum	43	56	56	59	64	53	48	48	56	54	54	54	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54.2

§§ Instrument not read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

** ... indicate respectively 1, 2, 3 etc. days missing from record.

† 11:30 P. M. to 12 M.

‡ 11:30 P. M. to 10 P. M.

,05
KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

APR 2 1930 1929
UNIVERSITY OF ILLINOIS

VOL. XXXIII LOUISVILLE, KY., NOVEMBER, 1929 No. 11

GENERAL SUMMARY.

While the temperature for the month averaged near normal, the relatively cool days outnumbered those that were warm and favorable for growth. Fall grains had generally received a poor start because of the dry weather in the preceding month, therefore the cool cloudy weather of November had the effect of preventing such growth as would have produced free stooling, deep roots, and sturdy development suitable for resistance to winter conditions. In the northern counties, where the early supply of soil moisture was sufficient, grains had made fairly satisfactory progress and had reached such a stage in most fields that the weather of this month had no important effect. The cold spell in the last week, with temperatures ranging from 10° to 0°, rendered most vegetation dormant for a time, with but little growth thereafter. Pastures continued to make some growth until this cold period, furnishing grazing in most districts sufficient to maintain stock without much feeding and to keep milk production up to a high standard. In the southwestern counties, which suffered most from the fall drought, pastures failed to fully recover, largely because of the retarding effect of the frequent frosts and temperatures of freezing or lower that occurred in the last three weeks. Precipitation below the average was more favorable than otherwise, but its frequency interfered considerably with the gathering of corn. On the other hand this feature of the weather favored tobacco stripping, which proceeded rather more rapidly than usual and resulted in some marketing late in the month. By the close of the month most corn had been cribbed. The heavy rains late in the month, and the softening of soil following the freezes, prevented completion of this work. Meadows, clover, and alfalfa continued their slow recovery. Dirt roads remained in good condition until the freezes of the 25th, after which they deteriorated.

TEMPERATURE.

The average temperature for the State, determined from reports of 41 stations, was 46.8°. Temperatures much above the seasonal average, with maxima between 70° and 80°, prevailed during the period 14-18th. Marked departures below normal occurred on the 25th and 26th. There were no special extremes at other times, but moderately low temperatures were most frequent. Extremes for the State were 78° at several stations on the 17th and 18th, and 10° at Eubank and Greensburg on the 26th.

PRECIPITATION.

Reports from 81 stations, gave a precipitation average for the State of 3.93 inches, which is 0.40 inch above normal. In a group of southeastern counties from 5.0 to 7.5 inches occurred, surrounding this area in a considerable district that extended northward over the southern bluegrass region amounts ranged from 4.0 to 5.0 inches. There was an area of like precipitation in the lower Cumberland and Tennessee valleys, and eastward for a few counties. In the southwestern counties near the border less than 3.0 inches occurred, and also in the lower Kentucky River Valley and westward along the Ohio. In other districts amounts ranged between 3.0 and 4.0 inches. Moderate snowfall occurred generally from the 2d to 4th and locally from the 8th to 11th. There were heavy local rains in the periods 6th to 9th and 28-30th. Precipitation ranged between 2.55 inches at Lockport, Henry County, and 7.51 inches at Midelburo. There were snow flurries in the northern and eastern districts. No thunderstorms were reported.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. In inches reduced to sea-level.					Wind.			
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Direction and Date. Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.17	30.62	25	29.79	17	6126	8.5	32	sw.	17
Cincinnati ..... Ohio	30.14	30.52	25	29.68	20	5508	7.6	29	nw.	24
Evansville ..... Ind.	30.19	30.62	26	29.76	30	6666	9.3	39	sw.	17
Lexington ..... Ky.	30.18	30.55	26	29.72	30	8821	12.3	55	sw.	24
Louisville ..... Ky.	30.16	30.59	25	29.72	30	7595	10.5	31	sw.	17

*For any five minute period. †By 2 cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	78	62	65	167.2	305.6	55	11	10
Cincinnati ..... Ohio.	86	65	70	116.0	303.5	38	6	14
Evansville ..... Ind.	82	61	66	124.7	303.7	41	6	13
Lexington ..... Ky.	84	67	..	111.8	303.7	37	6	13
Louisville ..... Ky.	80	60	66	173.7	303.7	58	12	7

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature. Monthly average.	Departure from 25-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 25-year normal.	No. of days with .01 in. or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889	43.1	-3.2	75	10	6.64	+2.51	..	..	..	..	..
1890	48.6	+2.3	81	19	4.87	+1.24	..	..	..	..	..
1891	42.5	-3.8	73	10	6.04	+3.51	..	..	..	..	..
1892	42.8	-3.5	75	9	3.85	+1.32	..	..	..	..	..
1893	44.3	-2.0	77	12	3.12	-0.41	..	..	..	..	..
1894	43.3	-3.0	80	8	1.32	-2.21	4	..	..	..	..
1895	45.8	-0.5	75	16	4.29	+0.76	7	10	..	13	..
1896	49.3	+3.0	81	11	5.01	+1.48	8	10	..	12	..
1897	47.8	+1.5	78	12	4.69	+1.16	10	13	..	10	T
1898	45.2	-1.1	76	10	2.79	-0.74	8	12	..	13	0.5
1899	49.8	+3.5	80	20	2.12	-1.41	5	11	..	12	T
1900	47.0	+0.7	78	15	4.75	+1.25	8	15	..	9	1.7
1901	41.8	-4.5	71	11	1.85	-2.01	4	18	..	8	T
1902	53.1	+7.1	80	26	4.32	+0.89	11	11	..	8	0.5
1903	42.5	-3.8	74	8	3.01	-0.52	7	12	..	11	2.0
1904	44.7	-1.6	76	14	2.32	-2.64	5	15	..	9	T
1905	46.4	+0.1	78	14	6.02	+1.06	7	15	..	9	1
1906	46.1	-0.2	78	11	5.62	+1.40	7	15	..	9	3
1907	44.2	-2.1	75	15	3.45	-0.04	7	14	..	11	..
1908	48.6	+2.3	78	18	2.61	-0.81	5	14	..	9	1.7
1909	54.7	+8.4	84	19	2.26	-1.24	6	15	..	9	T
1910	41.1	-5.2	73	11	2.04	-1.49	6	16	..	8	T
1911	41.6	-4.7	74	9	4.51	-0.98	8	10	..	13	0.5
1912	45.2	-1.1	76	10	1.27	-2.33	4	19	..	8	0.5
1913	50.5	+4.2	83	25	3.25	-0.28	9	12	..	13	0.5
1914	46.9	+0.6	78	18	3.13	-0.30	8	12	..	13	2.5
1915	49.8	+3.5	82	16	4.80	+1.27	8	15	..	8	3.4
1916	47.8	+1.5	80	10	1.82	-1.71	4	20	..	6	T
1917	46.3	-2.0	77	11	2.53	-2.50	5	14	..	11	0.1
1918	46.1	-0.2	77	10	1.56	-1.68	6	14	..	11	0
1919	47.4	+1.1	78	10	3.01	-0.75	8	15	..	10	0
1920	44.7	-1.6	76	16	2.21	-1.52	8	12	..	10	0
1921	49.8	+3.5	79	20	7.86	+4.43	12	11	..	8	2.5
1922	48.3	+2.0	81	10	1.88	-1.60	6	16	..	11	T
1923	46.4	+0.1	78	16	3.65	+0.32	6	14	..	11	0.4
1924	45.7	-0.6	78	13	4.52	+1.51	9	11	..	12	0.3
1925	43.9	-2.4	73	8	2.18	-1.60	5	12	..	12	0.1
1926	42.9	-3.4	76	6	3.46	-0.13	7	12	..	11	0.1
1927	51.3	+5.0	83	13	5.01	+1.88	10	10	..	13	2.0
1928	46.8	+0.5	81	11	3.93	-0.40	10	10	5	11	0.1

Climatological Data for November, 1928.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.						Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	24	47.8	+ 0.9	76	16	14	26	41	3.32	+0.14	1.12	0	11	13	7	10	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	24	47.8	− 0.4	73	16	16	26	32	3.51	+0.06	1.40	0	T.	8	6	11	13	nw.	W. A. Taylor.
Earlington	Hopkins	420	38	47.4	− 0.5	74	16	15	26	33	3.98	+0.24	1.44	0	10	13	1	16	sw.	Brick Southworth.
Greenville	Muhlenburg	519	11	47.2	− 0.6	74[b]	15	15	26	38	4.06	+0.07	2.70	0	10	6	4	20	se.	C. R. Lovell.
Hopkinsville	Christian	524	32	47.8	− 0.7	76	15	12[b]	26	37[b]	2.61	−1.57	1.04	0	10	9[c]	10[b]	9[b]	s.	W. E. Graves.
Hopkinsville	Ballard	.....	.....	48.8	.....	71	15†	22	26	34	4.32	.....	1.90	0	13	11	4	15	sw.	B. Sallee.
Lovelaceville	Crittenden	571	30	47.6	− 0.7	72	16	18	26	31	4.40	+0.51	3.00	0	3	11	10	9	s.	B. C. Paris.
Marion	Graves	364	19	48.4	− 0.9	74	15†	16	26	37	3.76	−0.62	1.45	0	5	13	4	13	nw.	Mrs. C. R. Sowell.
Mayfield	Calloway	412	2	47.0	.....	73	15	14	26	46	2.76	.....	1.10	0	6	13	3	14	s.	Harry B. Arnold
Murray	Daviess	479	31	45.4	− 1.8	73	16	15	26	34	2.68	−0.78	0.92	0	11	12	2	16	s.	Henry S. Berry.
Owensboro	Daviess	479	.....	.....	.....	.....	.....	.....	.....	.....	3.33	.....	1.68	0	13	.....	.....	.....	.....	George McGlemary.
Owensboro, Dam 46	Daviess	516	11	48.3	+ 0.3	75	16	17	26	35	5.22	+0.93	1.50	0	11	14	2	14	sw.	J. W. Lilley
Paducah (near)	McCracken	341	39	.....	.....	.....	.....	.....	.....	.....	5.06	+1.02	2.80	0	9	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	529	21	46.2	− 0.7	74	16	15	26	34	4.06	−0.06	2.15	0	14	11	2	17	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	11	.....	.....	.....	.....	.....	.....	.....	3.70	−0.25	2.10	0	13	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2	McLean	390	17	45.8	− 1.5	74	15	14	26	41	2.86	−0.78	1.11	0	10	12	3	15	s.	Wm. Shelton.
Russellville	Logan	314	.....	.....	.....	.....	.....	.....	.....	.....	3.33	.....	1.20	0	13	.....	.....	.....	.....	H. R. Sale.
Uniontown, Dam 40	Union	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.											3.34	.....	1.72	T.	13	.....	.....	.....	.....	C. L. Moore.
Addison, Dam 45	Breckinridge	352	.....	45.6	+ 1.3	76	17	12	26	32	2.84	−0.11	0.76	T.	11	14	2	14	sw.	C. E. Barret.
Bardstown	Jefferson	700	27	47.6	+ 0.9	77	17	12	26	37	4.34	+0.96	1.55	0	11	15	6	9	sw.	Mrs. Emily T. Sisco.
Bowling Green	Nelson	637	31	48.9	+ 1.3	75	17	17	26	33	3.72	0.09	1.66	0	12	10	13	7	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	500	39	.....	.....	.....	.....	.....	.....	.....	3.11	.....	1.62	0	5	.....	.....	.....	.....	Jas. R. Hines.
Brownsville, Lock 6	Warren	469	3	.....	.....	.....	.....	.....	.....	.....	3.93	−0.62	2.23	0	9	.....	.....	.....	.....	Virgil Whalin.
Burnside	Edmonson	410	11	.....	.....	.....	.....	.....	.....	.....	3.73	+0.21	1.97	0	11	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Pulaski	773	37	.....	.....	.....	.....	.....	.....	.....	2.76	−0.42	0.90	0	5	.....	.....	.....	.....	Shelby angel.
Cold Spring, Dam 36	Pulaski	422	29	.....	.....	.....	.....	.....	.....	.....	3.25	.....	1.05	0	11	.....	.....	.....	.....	Bert Ross.
Dix Dam, Burgin	Carroll	489	2	.....	.....	.....	.....	.....	.....	.....	4.55	.....	1.70	0	10	12	0	18	n.	G. D. Glass.
Eubank	Campbell	770	4	47.1	.....	78	16	16	27	38	4.72	+1.55	1.79	T.	7	6[a]	8[a]	15[a]	s.	Mrs. Katie Payne.
Frankfort	Mercer	1177	34	46.2	+ 1.1	75	17	10	26	33	2.99	−0.42	1.20	T.	12	10	6	14	s.	Sidney Wood.
Franklin	Pulaski	560	36	47.8	+ 1.4	76	17	18	26	33	1.88	+0.73	1.40	0	9	19	6	5	s.	M. E. Johnson.
Glasgow	Franklin	691	33	.....	.....	.....	.....	20	26	.....	2.93	−0.19	1.15	.....	12	.....	.....	.....	.....	Albert Purvis.
Grant, Lock 3	Simpson	449	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Fidelle Edwards.
Guthrie	Henry	760	7	.....	.....	.....	.....	.....	.....	.....	3.04	.....	1.18	0	11	.....	.....	.....	.....	W. T. Dugan.
Hardyville	Barren	506	3	.....	.....	.....	.....	.....	.....	.....	3.90	+0.19	1.60	0	13	6	3	21	se.	Mrs. Bertie K. H. Alcorn.
Hodgenville	Boone	581	35	46.4	+ 1.2	77	17	10	26	44	3.36	+0.19	1.45	0	10	.....	.....	.....	.....	Miss Lulu Wood.
Hopkinsburg	Grant	550	26	.....	.....	.....	.....	.....	.....	.....	3.11	−0.24	0.75	T.	8	10	5	15	sw.	W. J. Pigrott.
Irvington	Hart	646	30	47.4	+ 0.8	74	17	18	26	27	5.11	+1.87	1.75	0	16	12	8	10	s.	Caroline Grubbs.
Junction City	Breckinridge	985	34	46 8	+ 2.9	76	17	12	26	40	3.73	.....	1.75	0	12	.....	.....	.....	.....	L. J. Vanbrook.
Lancaster	Boyle	1032	2	.....	.....	.....	.....	.....	.....	.....	3.50	−0.46	1.35	T.	12	10	7	13	nw.	H. H. Willis.
Leitchfield	Garrard	635	32	47.0	+ 0.5	74	17	16	26	31	3.79	+0.45	1.64	0.4	16	7	7	16	sw	U. S. Weather Bureau
Lexington	Grayson	989	44	44.9	+ 0.1	73	17	17	26	22	4.37	+1.67	2.00	T.	7	.....	.....	.....	.....	Horace Canter.
Little Hickman, Lock 8	Fayette	523	17	.....	.....	.....	.....	.....	.....	.....	2.55	−0.36	0.78	T.	12	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Jessamine	476	18	.....	.....	.....	.....	.....	.....	.....	2.94	−0.67	1.10	T.	14	10	3	17	s.	U. S. Weather Bureau
Louisville	Henry	525	55	46.6	− 0.1	74	17	21	26	24	2.82	−0.31	1.10	T.	10	10	4	16	s.	Wm. Trent
Do (Cherokee Park)	Jefferson	534	18	46.9	+ 0.3	74	17	19	26	28	2.92	.....	1.52	0	6	.....	.....	.....	.....	A. C. Hubbard.
Munfordville	Do.	600	3	.....	.....	.....	.....	.....	.....	.....	3.70	+0.17	1.25	T.	7	14	6	10	.....	Sisters of Loretto.
Nicholasville	Hart	777	32	45.8	+ 0.1	74	17	12	26	34	4.38	+1.80	1.75	0	9	.....	.....	.....	.....	Ernest M. Searey.
St. John	Hardin	490	14	.....	.....	.....	.....	.....	.....	.....	3.27	+0.42	0.96	0.1	11	5	5	20	w.	E. B. Wilson
Salvisa, Lock 5	Mercer	900	30	45 4	+ 0.6	75	17	15	26	34	3.58	+0.04	0.81	..	16	10	4	16	sw.	Miss Ruth Rotta,
Scott	Kenton	825	39	45.2	+ 0.8	75	17	12	26	32	4.15	+0.82	1.17	T.	12	12	5	13	nw	E. D. Bourne
Shelbyville	Shelby	489	26	46.2	+ 1.4	75	17	14	26	35	4.41	+1.78	1.66	T.	9	.....	.....	.....	.....	H. K. Vaughn.
Taylorsville	Spencer	526	10	.....	.....	.....	.....	.....	.....	.....	3.30	+0.57	1.16	0	13	9	11	10	nw	Mrs. E. S. Rumlong
Tyrone, Lock 5	Anderson	943	25	44.6	− 0.5	74	17	13	26	29	3.45	−0.64	1.96	0	13	.....	.....	.....	.....	H. J. Lewis.
Williamstown	Grant	533	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woodbury, Lock 4	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Curtis Purvis.
Eastern Division.											3.90	+0.32	1.52	0	16	5	0	25	w.	Robert S. Smallwood.
Ashland	Boyd	534	11	45.8	− 1.1	78	18	21	26[d]	31	4.75	+1.71	1.56	T.	14	4	6	20	s.	Chas. C. Graham.
Beattyville	Lee	650	24	45.0	+ 0.1	75	17	14	26	35	4.36	+1.26	1.42	T.	10	6	10	14	e.	Kelly Walden
Berea	Madison	1070	26	47.6	+ 0.3	75	17	14	26	35	4.61	+1.89	2.10	T.	13	.....	.....	.....	.....	P. H. Kehoe.
College Hill, Lock 11	Madison	691	18	.....	.....	.....	.....	.....	.....	.....	3.87	+1.55	1.60	0	10	.....	.....	.....	.....	J. V. Oldham
Cynthiana	Harrison	684	10	.....	.....	.....	.....	.....	.....	.....	3.43	+0.15	1.28	T.	12	.....	.....	.....	.....	Mrs R. F. Stamper.
Falmouth	Pendleton	600	39	.....	.....	.....	.....	.....	.....	.....	3.82	−0.76	1.78	T.	9	11	4	15	e.	C. A. Glascock
Farmers	Bowan	668	20	46.3	+ 1.2	77	18	11	27	35	5.05	.....	1.80	0	7	.....	.....	.....	.....	John A. Walters.
Flemingsburg	Fleming	841	3	.....	.....	.....	.....	.....	.....	.....	4.52	+1.61	1.66	T.	12	.....	.....	.....	.....	ol. Frank Powers.
Ford, Lock 10	Clark	593	12	.....	.....	.....	.....	.....	.....	.....	3.63	.....	1.57	0	7	.....	.....	.....	.....	T. Mitchell.
Grayson	Carter	589	3	.....	.....	.....	.....	.....	.....	.....	3.58	.....	1.38	0	14	.....	.....	.....	.....	Chas. O. Brig.
Greenup	Greenup	540	8	.....	.....	.....	.....	.....	.....	.....	4.16	.....	1.98	T.	12	.....	.....	.....	.....	S. C. Cole.
Greenup, Dam 30	Perry	869	4	.....	.....	.....	.....	.....	.....	.....	5.19	+2.16	1.65	0	12	.....	.....	.....	.....	Carl Napier.
Hazard	Lee	664	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. R. Davidson.
Heidelberg, Lock 14	Knott	1022	3	.....	.....	.....	.....	.....	.....	.....	4.80	.....	1.95	0	9	.....	.....	.....	.....	Rossian Copley.
Henderson	Lotcher	1566	3	.....	.....	.....	.....	.....	.....	.....	4.47	+1.50	1.86	0	9	.....	.....	.....	.....	Perry E. Bennett
Jenkins	Lawrence	584	24	.....	.....	.....	.....	.....	.....	.....	4.61	+0.99	1.17	T.	11	7	7	16	sw.	Matthew Woodson.
Louisa	Mason	524	31	47.2	+ 2.4	78	17	17	26	41	7.51	+4.68	5.00	0	6	16	11	3	.....	.....
Maysville	Bell	1128	32	47.5	+ 1.5	76	18	16	26	31	4.58	+1.32	1.83	T.	7	9	7	4	nw	W. R. McKee.
Middlesboro	Montgomery	930	38	43.9	− 0.1	76	17	12	26	32	3.41	.....	0.88	T.	10	.....	.....	.....	.....	Andrew M. Stanforth.
Mount Sterling	Campbell	497	6	.....	.....	.....	.....	.....	.....	.....	4.30	+1.61	2.60	T.	9	.....	.....	.....	.....	Robert Bopass.
Oneonta, Dam 35	Pike	656	22	.....	.....	.....	.....	.....	.....	.....	3.64	.....	1.46	0	8	.....	.....	.....	.....	F. C. Hall.
Pikeville	Floyd	640	3	.....	.....	.....	.....	.....	.....	.....	4.22	.....	2 20	T.	11	.....	.....	.....	.....	R. W. Jones.
Prestonsburg	Breathitt	732	3	46 6	.....	77	17	14	26	47	4.84	+1.72	1.63	0	10	.....	.....	.....	.....	Walter P. Bush.
Quicksand	Estill	651	10	.....	.....	.....	.....	.....	.....	.....	4.94	+2.07	2.00	0	11	8	3	19	.....	J. W. Crooke
Rockcastle, Lock 12	Madison	926	37	48.5	+ 1.7	75	17	16	26	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. P. crawford
Richmond	Estepert	1235	5	.....	.....	.....	.....	.....	.....	.....	6.67	+3.29	2.50	T.	14	.....	.....	.....	.....	Chas. Sullivan.
Sargent	Madison	541	15	.....	.....	.....	.....	.....	.....	.....	4.06	−0.12	1.07	0	11	.....	.....	.....	.....	H. M. Pannin.
Valley View, Lock 7	Estepert	595	13	.....	.....	.....	.....	.....	.....	.....	3.81	.....	1.65	T.	10	.....	.....	.....	.....	G. H. Zimmerman.
Vanceburg, Dam 32	Madison	1142	3	.....	.....	.....	.....	.....	.....	.....	4.65	+1.61	2.10	0	9	18	8	4	.....	Lawrence R. Uhl.
Wheelwright	Lewis	939	31	48.4	+ 1.1	77	15†	15	26	38	4.50	+0.32	1.90	0	5	.....	.....	.....	.....	Jessie Hicks.
Williamsburg	Letcher	611	9	.....	.....	.....	.....	.....	.....	.....	3.93	+0.10	5.00	T.	10	10	6	14	s.	.....
Willow, Lock 13	Wayley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
State averages and extremes	Lee	.....	.....	46 8	+ 0.5	78	17†	10	26	47	3.93	+0.10	5.00	T.	10	10	6	14	s.	.....

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are included in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days.

[a] Also on other dates. [b] Received too late to be included in means and summaries. [c] Precipitation is less than 0.01 inch rain or melted snow. [d] Locks 4, Nicholasville Ky.; Lock 5, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

† Also on one or more earlier dates. ‡ Received too late to be included in means and summaries. §Lone Oak.

* Past office addresses.—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Middlesboro, and along many streams; and much property in bottoms was washed away. Mining interests suffered heavily. Reliable estimates could not be obtained but the damage undoubtedly exceeded $500,000, $80,000 of which was on the South Fork of the Kentucky. These freshets caused moderately high stages in the Beattyville district. Other streams were not especially affected.

MISCELLANEOUS.

[illegible] Excessive rains caused floods in headwater streams in the basin of the [illegible] 14 to 16 inches fell over the South Fork of the Kentucky River, affecting the counties of [illegible] Clay, Knox, Bell and Harlan. Three men were drowned when a bridge was [illegible] Basements and lower floors were flooded in Pineville, [illegible]

Daily Precipitation for November, 1928.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G		.50	.05					.10		.10					.12		.05		.27	.03												
Calhoun G	T.	.43	T.	.03			T.	T.		.08				T.	T.	T.	.22		.30	T.							T					
Earlington G	T.	.40								.06				.02	.03		.30		.01	.01												
Greenville G		.43	.02							.18				.04			.15		.42	.04							T					
Hopkinsville C		.51		.01		.02								.04			.22	.02	.05								T					
Lewisburg M	.13	.77	.01	.02	T.					.09	T.			.05	.02	.03	.46	T.	.13								T					
Marion O		.08															.45															
Mayfield M		.80															.66															
Murray T	.61	T.	T.				T.							T.			.35		.30													
Owensboro O	T.	.92	T.	.02						.05				.02	.03	.05	.09		.13	T.							T					
Owensboro, Dam 46 || O		.36	.56	.03				.04		.10					.01	.10		.17	.28	.01		T									
Paducah (near) ¶ O	.12	1.10	.08							.18				.10	.10		.49		.12													
Paducah || O	T.	.90	.25	T.						.12					.08	T.		.50	.10													
Princeton G	.05	.60	.03	.01			.01			.12				.04	.05		.37		.84								.01					
Ramsey, Lock No. 2 || G		.14	.02	.03				.02		.04					.11	.04		.33	.27	.03												
Russellville G		.07	.40					.07		.08								.21	.31	.01												
Uniontown, Dam 49 || O		.77	.16	.04				T.		.15					.07	.24	.04	.34	.12	.06												
Central Division																																
Addison, Dam 45 || O		.17	.47	.08				.07		.18					.05	.03		.18	.23	.66	T.											
Anchorage O		.56	.09			T.				.31				.01	.13	T.	.02	.24	.25	T.		T.										
Bardstown S		.55	.10					.10		.35					.14			.10	.59	.08												
Bowling Green G		.30	.10				.10	.07		.12					.10		.08	.15	.50													
Bowling Green, No. 2 G			.41				T.			T.									.57	1.97	.09	T.										
Brownsville, Lock No. 6 G			.41	.03				.09		.20									.15	.56												
Burnside || C			.06	.10				.18		.13	.03								.27	.29												
Carrollton || (Lock No. 1) K		.45	.90																.57	1.97	.09	T.										
Cecil Spring, Dam 56 || O		.20	1.05	.10						.35					.02	.12			.16	.47	.13	T.	T.									
Dix Dam, Burgin || K		.26	.01				.06			.27		.25							.53	1.02	.10											
Eubank C			.24					.15			.25								.74	1.48			T.									
Frankfort || K		T.	.58	.05	T.			.05		.28	T.				.04	.05			.10	.38	.12	.03	T.	T.								
Franklin G		.28	.45	.10				.15									.25			1.40												
Gest, Lock No. 3 || K		.07	.35	.06				.03		.29	T.				.07	.09			.24	.52	.06	T.		T.		T.						
Glasgow G																																
Grant, Dam 38 || O		.46	1.13	.11				.02		.18	T.				T	.08			.15	.23	.07	T.		T.		T.	T.		T.	.05	.51		
Greensburg K		.05	.15	.02			T.	.06		.17					.04				.51	.44	.01	.02							.20	.63	1.60		
High Bridge, Lock No. 7 || K			.21	.04				.03		.24	T				.06				.24	.98	.07									.04	1.45		
Irvington O		.68	T.			T.				.37				T.	.07	T.	T.		.25	.17	T.		T.						.08	.74	.75		
Junction City K		.02	.15	.03			.01	.04		.21					.03		.05		.41	1.44	.03		.02	.02					.02	.84	1.75		
Lancaster K			.20	.02				.04	.65	.21					T.	.05			.24	1.01	.11								.01	.06	1.75		
Leitchfield G		.40	.05	.05				.05		.15					.05		.30	.15	.15	T.									.15	.65	1.35		
Lexington *** K		.27	.03	.02			.04	.03	.04	.13				T	.05		.16	.04	1.10	.01	T	.04			T.		T		.10	.92	.74		
Little Hickman, Lock No. 8 || K			.19					.16		.34	T.				T.	T.			.30	1.34										1.02		
Lockport, Lock No. 2 || K		.05	.26	.07			.04		.26	.01				.01	T.			.18	.47	.09		T.		T.					.03	.98	T.		
Louisville *** O	.01	.74	.05	.05			T.	.02	.11	.16				T.	.06			.81		.29	.03	T.			T.		T.		.01	.92	.18		
Do (Cherokee Park) O			.60	.08				.04		.35					.04				.21	.21	.05	T.		T.		T.				.11	1.10		
Mandeville G								.08											.40	.42									.10	.40	1.52		
St. John K		.65						.40										.55	T.	.46	T.							.05	T.	.40	1.25		
Salvisa, Lock No 6 K			.52	T.				.15		.35					T.				.36	.85	.25									.15	1.75		
Scott L		.96	.25	.13				.05		.35					T.	.12	T.		.17	.55	T.		T.	.01		T.			T.	.15	.62		
Shelbyville S		.18	.33	.05				.07	.27	.26					.13		.02	.18	.46	.10	.03		.03		T.				.06	.03	.81		
Taylorsville S		.20	.27	.01				.10		.34					.54		.11		.84	.06		T.	T.						.01	.44	1.37		
Tyrone, Lock No. 5 K		.60		.08			.10			.40					.16		.90		.06		T.				T.				.15	1.66		
Williamstown L		.26	.20	.05				.05		.30					.05	.11			.82	.02			.02						.02	.24	1.16		
Woodbury, Lock No. 4 || G		.11	.37	.04	.01			.10		.08	T.				.02			.22	.31	.04								.06	.13	1.96		
Eastern Division																																
Ashland O			.10	.04	.04			.12		.21	.13				.03	.07		.10	.56	.75			.10		.01				.04	.58	1.52		
Beattyville K			.03	.11	.02			.08	.02	.20	.07							.52	1.25	.50	.02		T.	T.	T.				.04	.43	1.56		
Berea K			.25	.03				.06		.42					T.			.50	1.42	.08		T.	T.						.05	.25	1.82		
College Hill, Lock No. 11 || K		T.	.25	.02	T.			.10		.45	.05					T.		.25	.98	.25	.02		.02						.05	.10	2.10		
Cynthiana L		.52	.05							.26	T.				.02	.06		T.	1.00	.12			.12							.12	1.69		
Falmouth L		.04	.37	.05				.07		.24					.06	.14		.33	.62	.08					T.	T.				.06	1.28		
Farmers L			.30	.08				.11			.33					.06			.14	.88						T.				.14	1.78		
Flemingsburg L			.36							.35					.30				1.80				.18							.20	1.65		
Ford, Lock No. 10 K		T.	.28	T.				.10		.43	.03				.02	.04		.23	1.24	.16	.02		T.		T.			T.	.12	1.96		
Grayson O			.15							.20								.13	1.06	.03									.09	1.57		
Greenup, Dam 30 O			.22	T.				.03		.28	.12				.03	.02		.06	.67	.05		.01	.06					.01	.04	1.38		
Hazard K				.06				.27	.04	.11	.06							.16	1.08	.67	.23	.01	.02		T.					.52		
Heidelberg, Lock No. 14 || K			.04	.09				.07		.20	.07							.60	1.67	.67			.02						.05	.08	1.60		
Hollister K																																
Jenkins K			.24					.27	.20									.70	1.95	.77	.10								.10	.50		
Louisa B			.14					.03		.20	.06								1.27	.06									.12	1.86		
Maysville O			.45	.03	T.			.10		.43	.05					.10		.41	.91	.27		T.		T.					.06	1.17		
Middlesboro C			.24					.38		.18								.85	1.05											.88		
Mount Sterling L		.11	.14							.55					.10		T.		1.65	T.	T.	T.	T.					T.	.18	1.83		
Owenton Dam 35 O		.10	.88	.05				.15		.30	T.				T.	.18		.30	.30	.31	T.	T.	T.		T.				T.	.84		
Pikeville B			T.					.28	T.		.26							.28	2.60	.26	.08		T.					.08	.60		
Prestonsburg B								.17		.17								.15	1.46	.76		.65			T.				.13	.81		
Quicksand K			.12	.05				.14		.13					.03	.10		.26	.80		T.				T.		.12	.08	.95		
Ravenna, Lock No. 12 K			.22	.10				.05		.10	.65							.65	1.45	.05	T.		T.						.24	1.63		
Richmond K		T.	.25	T.	.02			.05	.05	.45							T.	.50	1.12	.08		T.	.02					T.	.60	2.00		
Sargent K																																
Valley View, Lock No. 9 K		.18	.07	.04			.30	.03		1.06																						
Vanceburg, Dam No. 32 K			.37	.44				.16		.33	.06				.04			.02	.57	.34									1.03	.07		
Whitesburg K		.11					.11	.30		.20								.20	1.65	.18	.47		T.			T.			.10	.29		
Williamsburg || C			.30					.26		.19								.60	2.10	.56	.08								.10	.39		
Willow, Lock No. 13 K																		.50	1.96	.20										1.81		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

¶ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.005 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

†Long Oak.

Daily Temperatures for November, 1928.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	64	62	58	60	63	70	71	63	62	56	62	59	62	66	68	76	71	73	49	42	59	55	53	60	50	45	54	59	53	57	..	59.8
	Minimum	38	52	43	41	31	41	43	38	37	29	28	41	21	37	39	38	56	38	39	32	27	28	41	21	27	14	27	27	45	42	..	35.7
Calhoun	Maximum	60	60	57	59	60	66	63	59	52	48	60	57	60	63	71	73	70	63	47	41	53	55	49	57	50	41	47	45	52	58	..	56.7
	Minimum	41	54	43	40	39	45	42	44	31	39	28	42	32	42	57	61	61	41	30	32	28	37	24	39	26	16	20	37	43	42	..	38.9
Earlington	Maximum	64	62	58	54	55	62	62	58	53	49	60	57	61	66	72	76	74	70	63	47	41	58	53	49	56	39	44	48	54	57	..	56.2
	Minimum	44	56	43	41	31	45	42	45	29	40	27	42	28	41	56	62	62	37	39	32	25	39	22	30	26	15	32	39	46	42	..	38.7
Greenville	Maximum	64	63	58	60	61	67	68	63	61	56	60	58	63	64	71	73	72	63	49	44	58	53	49	58	49	41	48	46	..	59	..	157.6
	Minimum	40	53	41	..	28	43	40	44	25	38	26	39	27	39	56	61	62	36	38	29	24	36	19	38	25	12	28	38	..	43	..	126.8
Hopkinsville	Maximum	68	68	58	52	61	71	63	61	56	50	63	63	65	64	76	75	71	62	50	48	58	53	52	59	48	43	49	48	56	58	..	58.7
	Minimum	41	53	39	38	27	37	43	43	31	38	25	54	29	37	57	58	59	39	38	28	24	34	21	33	25	15	38	37	41	43	..	36.9
Lewisburg	Maximum	66	59	51	58	56	68	64	59	56	51	65	63	65	64	71	71	69	60	44	45	60	55	51	58	51	42	43	48	56	59	..	57.4
	Minimum	42	50	41	38	36	38	44	39	33	39	33	45	35	46	59	60	56	43	38	29	28	39	27	39	31	22	38	37	41	42	..	40.2
Madisonville	Maximum	67	59	49	39	43	41	49	44	38	39	33	49	35	46	59	60	56	43	38	29	28	39	27	39	31	22	38	37	41	42	..	56.2
	Minimum	42	50	40	35	29	40	38	40	30	35	28	40	30	38	55	59	59	40	36	30	24	34	22	33	25	12	28	38	42	38	..	36.1
Owensboro	Maximum	66	60	53	60	57	69	66	59	50	53	52	61	61	66	69	72	75	68	50	48	46	50	55	51	58	53	42	49	48	56	56	57.1
	Minimum	45	51	41	39	31	43	46	45	31	36	32	40	31	45	59	59	58	42	38	30	26	37	23	39	26	17	29	36	46	42	..	38.8
Paducah (near)	Maximum	62	63	58	53	56	64	62	56	52	48	60	57	60	63	73	74	69	55	44	42	57	52	48	56	47	40	45	47	59	59	..	56.0
	Minimum	42	54	40	39	29	36	42	43	32	37	27	33	29	40	57	58	55	37	36	26	23	35	21	33	23	15	28	36	44	43	..	36.5
Princeton	Maximum	66	57	45	42	60	73	61	57	55	45	60	58	60	65	74	73	73	54	44	42	58	54	48	58	48	42	46	48	58	55	..	55.7
	Minimum	35	50	42	41	30	32	54	43	30	39	28	31	29	35	48	57	59	41	40	31	25	31	22	24	27	14	15	31	39	47	..	35.8
Russellville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Central Division.																																	
Anchorage	Maximum	64	57	55	58	62	65	63	59	55	46	56	56	57	63	66	74	76	64	50	43	54	47	46	55	42	39	52	54	51	55	..	56.1
	Minimum	36	49	46	35	29	37	33	38	26	37	34	35	24	30	54	50	58	37	38	32	30	34	18	32	22	12	23	38	43	30	..	35.1
Bardstown	Maximum	68	62	58	61	64	68	64	60	56	50	58	57	61	68	70	74	77	67	49	42	58	54	48	57	44	41	54	46	56	56	..	58.1
	Minimum	36	53	44	48	30	40	35	46	35	34	24	35	24	35	57	60	60	41	40	32	28	38	20	35	25	12	27	38	42	46	..	37.2
Bowling Green	Maximum	70	68	63	66	63	70	62	60	56	50	63	60	63	66	73	73	75	65	53	48	58	50	50	56	42	40	54	46	58	56	..	58.6
	Minimum	45	50	42	41	31	40	42	45	32	40	29	40	30	35	58	59	62	42	41	31	27	39	36	36	28	17	28	39	45	47	..	39.2
Dix Dam	Maximum	68	67	54	60	67	69	64	57	47	57	54	63	67	68	71	70	67	56	45	41	55	44	41	55	44	39	52	45	50	55	..	56.9
	Minimum	34	40	44	41	38	38	35	42	26	33	25	34	23	29	52	53	56	33	32	28	25	32	22	30	22	12	23	35	43	47	..	35.6
Eubank	Maximum	74	70	67	54	60	67	59	64	57	47	57	54	63	67	68	71	70	67	56	45	52	49	45	54	43	41	55	44	49	48	51	56	..	57.1
	Minimum	34	40	44	41	38	38	35	42	26	33	25	34	23	29	52	53	56	33	32	28	25	32	22	30	22	12	23	35	43	47	..	35.6
Frankfort	Maximum	66	62	59	60	62	68	64	62	58	50	58	54	64	65	67	72	76	71	55	44	53	55	45	54	53	48	49	48	51	56	..	57.1
	Minimum	36	51	46	44	32	42	34	42	31	40	30	41	28	32	55	58	58	47	41	33	32	35	25	36	29	18	27	40	44	48	..	38.5
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	42	53	43	41	33	43	46	43	33	39	30	40	30	39	58	58	61	46	40	37	38	36	26	37	26	20	29	39	45	46	..	39.9
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Greensburg	Maximum	65	63	61	56	60	66	62	58	57	50	56	56	58	68	71	74	77	72	55	43	55	55	48	55	51	39	52	47	51	56	..	57.8
	Minimum	33	51	41	39	27	35	35	43	26	38	24	37	21	24	55	52	60	45	38	32	25	36	19	31	25	10	21	36	42	47	..	34.9
Irvington	Maximum	62	59	57	57	56	63	64	56	52	48	56	54	57	62	68	72	74	63	46	39	56	52	46	54	45	39	53	45	54	54	..	55.4
	Minimum	41	53	44	42	33	44	40	44	33	40	32	43	30	42	57	60	62	42	38	34	32	39	26	38	25	18	30	37	44	43	..	39.3
Junction City	Maximum	66	65	60	58	62	67	61	58	59	47	55	55	59	60	70	76	76	65	54	42	55	52	47	55	49	43	52	45	50	57	..	57.5
	Minimum	32	46	43	41	29	38	33	42	27	38	24	40	22	29	54	54	55	48	38	33	26	36	25	34	27	12	24	39	43	47	..	36.6
Leitchfield	Maximum	68	59	56	56	59	65	61	56	53	48	56	55	56	62	69	72	74	64	48	45	54	52	47	56	48	39	50	46	53	55	..	55.5
	Minimum	39	53	42	41	31	42	39	43	32	39	29	42	28	40	57	60	60	40	39	33	27	37	24	36	26	16	28	37	44	40	..	38.2
Lexington	Maximum	61	63	56	53	57	60	59	58	51	41	51	50	55	64	66	67	73	67	51	44	55	50	49	58	49	42	54	48	54	52	..	54.2
	Minimum	43	50	42	41	35	45	45	37	33	36	31	37	34	41	55	57	59	44	35	31	33	31	28	32	19	17	29	38	44	37	..	37.7
Louisville	Maximum	62	58	57	56	59	62	63	55	51	44	55	54	54	64	68	72	74	66	48	38	54	45	44	54	36	38	50	45	54	56	..	54.0
	Minimum	42	50	43	43	39	46	46	38	35	37	32	40	33	40	58	60	56	43	35	34	31	33	29	36	21	21	32	38	44	40	..	39.2
Pewee (Cherokee Park)	Maximum	60	60	57	55	58	61	62	61	54	50	54	53	58	62	67	72	74	68	49	41	53	54	44	54	50	37	50	48	56	56	..	55.5
	Minimum	38	49	45	42	33	46	35	43	32	39	28	43	27	38	55	56	63	44	39	33	30	37	26	37	25	19	29	38	42	43	..	88.3
St. Regis	Maximum	62	59	56	60	61	65	61	57	54	49	56	56	57	61	69	70	74	66	52	45	54	52	47	57	42	40	50	45	55	53	..	56.4
	Minimum	36	50	40	35	28	40	35	42	29	36	23	34	23	34	53	57	56	37	36	28	26	40	21	31	20	12	20	35	38	40	..	35.1
Scott	Maximum	66	59	56	59	60	66	62	58	53	49	55	56	56	64	65	72	75	65	48	41	53	53	48	56	47	41	50	45	54	55	..	55.8
	Minimum	39	54	45	43	33	46	31	44	30	34	25	42	27	35	55	58	57	45	39	31	31	34	33	34	26	17	30	41	45	44	..	37.3
Shelbyville	Maximum	68	59	56	59	60	66	62	58	53	49	55	56	56	64	65	72	75	65	48	41	53	53	48	56	47	41	50	45	54	55	..	55.8
	Minimum	37	48	42	40	29	41	36	41	26	36	23	34	23	33	53	57	56	37	36	28	26	40	21	31	20	12	20	35	38	40	..	35.1
Taylorsville	Maximum	62	61	58	55	57	62	62	60	56	51	58	58	54	63	66	72	75	65	48	41	53	53	48	56	47	41	50	45	54	55	..	55.8
	Minimum	34	54	44	43	28	41	33	44	27	40	25	37	23	28	55	58	54	41	42	32	30	33	29	36	20	14	24	38	42	44	..	36.0
Williamstown	Maximum	59	57	55	53	59	60	64	60	51	48	50	51	52	62	64	70	74	69	48	40	48	48	42	52	46	35	47	46	48	53	..	53.7
	Minimum	36	46	43	41	32	44	35	42	29	34	26	40	27	37	52	55	57	42	37	31	28	30	20	28	25	13	25	36	40	41	..	35.6
Eastern Division.																																	
Ashland	Maximum	54	63	65	59	56	53	65	64	56	55	41	50	52	55	69	70	73	58	67	50	46	53	45	46	52	35	37	50	50	53	..	55.1
	Minimum	35	37	46	49	34	36	34	34	33	34	33	37	32	30	53	52	50	56	46	36	29	33	27	28	31	21	21	29	42	44	..	36.6
Beattyville	Maximum	63	63	58	52	61	67	57	54	51	43	49	52	56	67	70	71	75	64	50	44	56	47	43	54	40	39	48	47	49	57	..	55.3
	Minimum	33	40	45	39	35	34	33	35	30	37	36	20	25	26	51	47	48	56	40	33	30	33	27	32	24	16	26	36	42	43	..	34.8
Berea	Maximum	62	66	64	55	60	67	61	56	53	46	55	57	58	67	71	73	75	71	55	41	52	51	46	55	48	40	52	47	51	56	..	57.3
	Minimum	36	45	44	42	34	46	38	44	29	39	30	41	26	37	56	57	59	52	39	32	28	33	23	35	25	14	27	39	44	40	..	37.8
Berea	Maximum	62	66	65	58	59	66	62	60	55	50	46	55	54	63	66	72	75	64	44	35	53	53	48	51	46	38	51	53	49	53	56	57.5
	Minimum	36	45	44	42	34	46	38	44	29	39	30	41	26	37	56	57	59	52	39	32	28	33	23	35	25	14	27	39	44	40	..	37.8
Farmers	Maximum	62	66	65	58	59	66	62	60	55	50	46	55	54	63	66	72	75	64	44	35	53	53	48	51	46	38	51	53	49	53	56	57.5
	Minimum	29	40	44	41	27	39	27	42	26	43	32	28	28	23	43	44	47	47	50	40	31	28	30	21	21	24	11	36	40	46	..	34.9
Flatwoods	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Hindman	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Maysville	Maximum	61	60	59	59	60	65	67	61	56	49	58	54	59	69	67	73	78	78	56	44	52	54	46	54	51	39	49	49	49	58	..	57.4
	Minimum	34	43	47	44	31	39	30	45	31	34	35	49	28	28	49	53	56	48	41	34	30	26	27	29	27	17	28	36	42	46	..	36.1
Middlesboro	Maximum	62	63	62	55	60	65	64	56	53	50	52	55	55	60	70	68	73	76	66	46	56	56	44	52	42	32	44	40	50	53	..	55.5
	Minimum	33	37	50	42	34	35	40	48	30	28	32	31	30	29	43	46	47	60	46	35	30	38	34	28	24	16	27	40	43	50	..	36.5
Mount Sterling	Maximum	63	57	54	51	57	59	62	54	48	46	56	52	55	58	70	74	76	68	50	46	54	52	48	57	44	42	48	46	50	55	..	53.9
	Minimum	34	42	42	35	29	32	39	36	26	33	29	34	23	28	52	53	56	39	48	35	30	28	31	22	23	12	20	35	41	40	..	33.9
Olympian	Maximum	65	71	66	59	64	68	60	56	56	51	57	56	56	64	65	72	75	65	44	43	56	52	46	56	51	40	52	46	52	56	..	58.2
	Minimum	38	39	45	42	35	43	41	37	36	36	36	36	25	25	44	43	41	56	42	34	31	35	29	26	28	14	29	33	42	40	..	35.5
Raccoon	Maximum	66	65	60	56	65	67	64	60	56	52	56	56	59	58	66	69	72	76	70	58	46	45	44	52	46	38	48	45	50	55	..	56.0
	Minimum	40	48	45	42	36	45	45	45	31	39	33	40	30	39	55	58	60	45	40	32	29	34	24	34	26	16	27	40	43	50	..	39.0
Sargent	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamsburg	Maximum	68	69	68	66	66	70	61	58	60	46	58	60	62	65	77	75	77	72	64	62	57	52	50	62	54	40	58	52	59	62	..	61.4
	Minimum	25	29	37	45	33	26	28	45	30	26	28	21	24	29	40	44	43	55	45	40	28	37	26	25	25	15	21	39	49	50	..	33.4

25 Instrument was read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* Station established February 1, 1928; data missing from record.

‡ R. F. D. Local, dated 12-29-27 1928.

551.05
K42

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

THE LIBRARY OF

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIII LOUISVILLE, KY., DECEMBER, 1928 NO. 12

GENERAL SUMMARY.

Except for two relatively short periods of subnormal temperature, one early in the month and the other in the third decade, moderate conditions prevailed. The early cold spell checked the growth of winter grains, leaving the plants quite small but generally vigorous. The mild weather of the second and third decades caused some growth, but as the month progressed the freezing at night gradually brought about a dormant condition. The comparatively high day temperature, augmented by the abnormally large amount of sunshine, caused general thaws; while the night freezes, occasionally rather deep, were inclined to produce some lifting of the plants. On heavy soils which retained their water content, the deeper freezes caused some heaving, but the injury was not extensive. There was no snow cover of consequence. Relatively light precipitation, less than half the normal amount at many stations, was favorable for grains, feeding, outdoor occupations, and the improvement of dirt roads. Because of the equable character of the weather, with its dryness and sunshine, stock fared exceedingly well and milk production was maintained better than usual. In the first half of the month tobacco with moist atmosphere were sufficiently numerous to permit of almost continuous handling of tobacco, but there was some delay in the last half due to the continued dry weather. The other weather elements, especially the mild temperature, were favorable, therefore progress in stripping and disposing of the crop was reasonably good. Some corn remained out at the beginning of the month could be readily gathered on many days. The mornings with hard frozen soil were favorable for removal of corn and fodder from the fields. Pastures were used in dry districts in the mild weather, but complete feeding was necessary during a large part of the month.

TEMPERATURE.

As determined from the records of 42 stations, the average temperature for the State was 39.5°, which is 1.9° above the December normal. Unseasonably high temperatures, with maxima reaching 70° at some stations, prevailed in the period 12-16th and 25-29th. The lowest temperatures were generally registered in the short cold spell from the 5th to 9th. Extremes for the State were 72° at Owensboro on the 27th and 5° at Farmers on the 22d.

PRECIPITATION.

The average precipitation, as shown by the reports of 81 stations, was 2.52 inches, which is 1.76 inches less than the monthly normal. A belt of moderate rainfall, in which amounts ranged between 3.0 and 4.0 inches, extended from the Purchase to the Lower Kentucky River. South and east from this district precipitation decreased irregularly to about 1.0 inch in the southern bluegrass region and 1.5 inches in the upper Cumberland valley. It was only slightly heavier eastward in the mountain region. Heavy rains occurred more or less generally in the central and western districts on the 17th, otherwise precipitation was light to moderate and rather local for a winter month. It was fairly general in the period 4-5th, 17th, and 27th, and snow fell scattered on the 12-13th and 28th-31st. Precipitation varied between 0.79 inch at Whitesburg and 5.15 inches at the Owensboro Green River station. Snowfall ranged between a trace and 2 inch. No thunderstorms were reported.

MISCELLANEOUS.

Rivers.—Stages in the Ohio and its tributaries were moderate to low during the month. Except for short periods, it was necessary to operate the dams in the Ohio.

UNIVERSITY OF ILLINOIS

PRESSURE AND WIND.

Stations	Atmospheric pressure (reduced to sea level and to standard gravity)					Wind				
	Average.	Highest.	Day.	Lowest.	Day.	Total movement.	Average hourly velocity.	Direction of highest velocity.	Highest velocity.	Day.
Ashland	30.16	30.75	5	29.62	17	5465	7.4	20	S.	2
Cincinnati	30.17	30.81	9	29.46	17	6253	8.5	34	S.	2
Evansville	30.15	30.74	8	29.53	17	[illegible]	7.8	[illegible]	SW.	15
Lexington	30.19	30.86	9	29.58	17	4699	10.1	40	SW.	15
Louisville	30.19	30.82	6	29.43	17	6137	8.2	50	W.	15

*Not any day in this month. †In many precincts 1 also 2 in. any 1 day.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity.			Sunshine.			
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 0 per cent of possible.	Number of days with 20 per cent or less.
Ashland	92	65	88	179	259.1	67	10	24
Cincinnati	90	66	86	148	264.4	56	12	26
Lexington	90	67	88	176	266.5	66	8	24
Louisville	87	63	[illegible]	166	266.7	62	13	31
[illegible]	81	63	67	186	267.3	70	17	61

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature: Mean or average	Temperature: Departure from 28-year average	Temperature: Highest	Temperature: Lowest	Precipitation: Average	Precipitation: Departure from 28-year average	Precipitation: No. of days with .01 inch or more	Average Number of Days: Clear.	Average Number of Days: Partly Cloudy.	Average Number of Days: Cloudy.	Average Number of Days: At 7 a.m. Local Time.
1889	30.4	+2.6	56	11	4.25	-2.51					
1890	36.8	+9.0	70	32	3.81	-0.57					
1891	42.1	+4.8	70	15	4.10	-0.02					
1892	34.6	+3.0	74	3	4.59	-0.43					
1893	32.0	-1.4	58	10	2.69	-1.95					
1894	38.8	+4.1	76	11	4.31	+0.23	10				
1895	35.5	-1.2	77	6	4.43	-0.06	9	9	13	9	
1896	39.6	+4.2	73	7	1.82	-2.56	4	14	9	8	
1897	39.0	+4.0	72	3	3.23	-1.03	10	5	14	12	25
1898	34.1	-1.8	70	12	2.71	-1.54	8	14	9	8	23
1899	41.7	+2.8	73	15	5.25	+0.35	10	8	13	9	26
1900	38.7	-1.0	76	12	2.56	-1.74	8	13	8	10	24
1901	38.3	+1.2	72	12	4.30	+1.72	10	7	8	16	25
1902	30.7	-6.4	58	8	7.16	+3.28	12	7	5	19	24
1903	30.7	-1.0	72	0	2.88	-1.20	7	15	7	9	14
1904	39.0	+1.4	76	9	4.64	+1.56	15	5	4	21	26
1905	38.5	+0.8	74	8	3.20	-0.88	11	8	4	19	24
1906	39.3	+1.6	74	5	2.42	-1.66	9	11	4	16	24
1907	33.6	-4.1	68	11	3.36	-0.72	9	10	5	16	24
1908	33.1	-4.5	66	3	2.37	-1.71	7	9	5	17	24
1909	37.6	+0.1	71	11	4.58	+0.50	12	9	4	18	24
1910	37.6	+0.1	72	5	3.08	-1.00	9	14	5	12	24
1911	37.7	+0.2	76	8	5.21	+1.14	14	6	4	21	26
1912	37.0	-0.5	74	9	2.93	-1.14	11	10	6	15	24
1913	35.5	-2.0	72	11	2.79	-1.35	10	12	4	15	24
1914	38.6	+1.1	74	11	4.44	+0.30	12	9	5	17	24
1915	38.2	+0.7	74	14	5.32	+1.18	14	6	4	21	26
1916	34.6	-2.9	68	8	3.92	-0.22	12	9	5	17	24
1917	34.6	-2.9	68	8	3.92	-0.22	12	9	5	17	24
1918	38.6	+1.1	74	8	3.48	-0.66	12	10	4	17	24
1919	40.5	+3.0	76	15	5.34	+1.20	13	7	5	19	24
1920	37.3	-0.2	72	9	3.58	-0.56	11	8	5	18	24
1921	37.5	0.0	72	9	3.58	-0.56	11	8	5	18	24
1922	37.5	0.0	72	9	3.58	-0.56	11	8	5	18	24
1923	37.5	0.0	72	9	3.58	-0.56	11	8	5	18	24
1924	37.5	0.0	72	9	3.58	-0.56	11	8	5	18	24
1925	37.5	0.0	72	9	3.58	-0.56	11	8	5	18	24
1926	37.5	0.0	72	9	3.58	-0.56	11	8	5	18	24
1927	37.5	0.0	72	9	3.58	-0.56	11	8	5	18	24
1928	39.5	+1.9	72	5	2.52	-1.76	9	14	3	14	24

Climatological Data for December, 1928.

Stations	Counties	Elevation feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation in inches Number of days Total	Departure from the normal	Greatest in 24 hours	Total snowfall unmelted	With .01 or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	Observers
Western Division.																				
Benson Dam	Ohio	441	24	41.2	+ 4.1	70	28	15	6†	45	2.50	−1.25	1.83	0	5	21	2	8	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	407	24	41.4	+ 3.2	72	28†	17	6†	34	3.13	−1.12	1.85	T.	7	11	12	8	nw.	W. A. Taylor.
Farmington	Hopkins	519	11	40.8	+ 2.1	67†	28	14‡	6†	44‡	2.55	−1.78	2.05	.....	6	18‡	4‡	5‡	s.	Brick Southworth.
Greenville	Muhlenburg	524	32	41.3	+ 2.8	69	28‡	14	9	45	2.40	−2.38	1.74	T.	5	5	6	20	se.	C. R. Lovell.
Hopkinsville	Christian	.....	.....	41.2	.....	69	28	19	6†	34	3.26	.....	1.59	T.	7	15	6	10	sw.	W. E. Graves.
Lovelaceville	Ballard	.....	.....	41.2	.....	69	28	19	6†	35	2.85	−1.16	1.95	0	2	16	12	3	n.	H. Sailee.
Marion	Crittenden	551	30	41.3	+ 3.8	68	28	19	6†	35	4.05	−0.70	2.50	.....	3	17	7	7	sw.	B. C. Paris.
Maynfield	Graves	364	19	41.8	+ 1.9	67	28†	17	6†	33	4.00	.....	1.93	0	4	18	7	6	n.	Mrs. C. R. Sowell.
Murray	Calloway	412	2	39.5	.....	69	28	13	9	46	2.90	.....	1.04	T.	6	15	5	11	nw	Harry B. Arnold
Owensboro	Daviess	479	31	38.4	+ 1.4	63	28	15	9†	35	2.26	−1.64	1.04	T.	7	.....	.....	.....	.....	Henry S. Berry
Owensboro, Dam 46	Daviess	479	.....	.....	.....	.....	.....	.....	.....	.....	3.18	.....	1.68	T.	7	.....	.....	.....	.....	George McClemary.
Ormsbee	McCracken	516	11	40.1	+ 0.5	68	29	17	6	36	3.22	−1.52	1.76	0	4	18	3	10	nw.	J. W. Libby
Paducah	McCracken	341	30	.....	.....	.....	.....	.....	.....	.....	3.01	−0.83	1.32	.....	6	.....	.....	.....	.....	Frank L. Brown.
Princeton	McLean	384	11	.....	.....	.....	.....	.....	.....	.....	3.81	−0.57	2.01	T.	10	14	8	9	s.	Dr. W. J. Cash.
Ripley, Lock 2	Logan	500	17	38.6	+ 0.2	66	28	14	7	38	1.87	−2.19	0.93	0	6	18	1	12	s.	Thos. L. Wetzell.
Russellville	Union	394	.....	.....	.....	.....	.....	.....	.....	.....	2.57	.....	1.20	.....	6	.....	.....	.....	.....	Wm. Shelton.
Uniontown, Dam 40																				H. R. Sale.
Central Division.																				
Addison, Dam 45	Breckinridge	352	.....	.....	.....	.....	.....	.....	.....	.....	3.88	.....	1.66	.....	7	.....	.....	.....	.....	C. L. Moore.
Ammons	Jefferson	700	27	36.6	+ 3.0	63	28	11	21	38	2.85	−1.14	1.39	T	7	19	2	10	e.	C. E. Barnett.
Bardstown 9	Nelson	657	31	39.4	+ 2.6	64	28	14	6	38	3.64	−0.68	1.50	0	8	22	4	5	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	39	41	+ 2.9	66	27	17	6	40	2.64	−1.99	1.36	T.	6	19	3	9	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	460	3	.....	.....	.....	.....	.....	.....	.....	5.13	.....	1.45	.....	6	.....	.....	.....	.....	Ira R. Hines.
Brownsville, Lock 6	Edmonson	410	11	.....	.....	.....	.....	.....	.....	.....	2.61	−2.36	0.83	.....	6	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	37	.....	.....	.....	.....	.....	.....	.....	1.28	−3.01	0.48	0	8	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	29	.....	.....	.....	.....	.....	.....	.....	2.27	−0.97	0.78	.....	5	.....	.....	.....	.....	Shelby Angel.
Cave Spring, Dam 36	Campbell	489	2	.....	.....	.....	.....	.....	.....	.....	2.51	.....	0.74	.....	9	.....	.....	.....	.....	Bert Ross.
Dix Dam, Burgin	Mercer	770	4	41.6	.....	64	2	18	6†	37	2.11	.....	1.04	.....	4	20	2	9	.....	G. D. Glass.
Eubank	Pulaski	1177	34	39.3	+ 2.9	66	4†	13	6	41	1.07	−2.86	0.45	0	4	14	11	6	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	36	39.2	+ 2.0	62	28†	17	6†	33	2.56	−1.14	0.80	T.	8	16	3	12	w.	Sidney Wood.
Franklin	Simpson	604	34	42.6	+ 2.4	68	28	17	6†	59	2.46	−2.12	1.35	0	4	19	11	1	s.	M. E. Johnson.
Goot Lock 5	Henry	449	17	.....	.....	.....	.....	.....	.....	.....	2.86	−1.55	0.77	.....	9	.....	.....	.....	.....	Albert Purvis.
Grassy	Barren	780	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Estella Edwards.
Grant, Dam 38	Boone	506	3	.....	.....	.....	.....	.....	.....	.....	2.50	.....	0.65	0	10	.....	.....	.....	.....	W. T. Duzan.
Greensburg	Green	581	35	38.6	+ 2.3	68	3	13	6	36	1.21	−3.10	0.32	T.	9	10	6	15	se.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	550	26	.....	.....	.....	.....	.....	.....	.....	1.58	−2.50	0.48	0	7	.....	.....	.....	.....	Miss Lulu Wood.
Hodgenville	Breckinridge	646	30	39.6	+ 2.9	66	28	17	21	37	3.41	−0.80	1.70	T.	7	20	3	8	sw.	W. J. Pigott.
Hodgenville	Boyle	985	34	38.3	+ 2.1	65	14	12	6	40	1.97	−2.56	0.78	0	10	16	9	6	s	Caroline Grubbs.
Junction City	Garrard	1092	2	.....	.....	.....	.....	.....	.....	.....	1.01	.....	0.30	0	8	.....	.....	.....	.....	L. J. Sinbrook.
Lancaster	Garrard	695	32	40.1	+ 3.5	64	28	16	9	37	3.81	−0.99	2.42	.....	8	19	4	8	sw.	H. H. Willis.
Leitchfield	Grayson	989	44	39.4	+ 3.6	59	13	14	21	31	1.92	−1.75	0.79	T.	10	14	6	11	sw.	C. S. Weather Bureau.
Lexington	Fayette	989	44	.....	.....	.....	.....	.....	.....	.....	1.53	−2.52	0.40	0	7	.....	.....	.....	.....	Horace Cantor.
Little Hickman, Lock 8	Jessamine	593	17	.....	.....	.....	.....	.....	.....	.....	3.46	−0.37	0.96	0	8	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Henry	476	18	.....	.....	.....	.....	.....	.....	.....	3.31	−0.43	1.19	T.	8	16	6	9	s.	C. S. Weather Bureau.
Louisville	Jefferson	525	55	39.2	+ 1.6	63	28	15	21	32	2.82	−1.82	1.20	T	6	19	2	10	sw	Wm. I. Hunt
Louisville (Cherokee Park)	Do	554	18	37.8	+ 1.7	61	28	14	21	33	2.80	.....	0.70	0	5	.....	.....	.....	.....	A. G. Hubbard.
Mammoth Cave	Hart	600	3	.....	.....	.....	.....	.....	.....	.....	3.20	−1.35	2.05	T.	4	21	5	5	.....	Sisters of Loretto
Martinsville	Hardin	777	32	38.5	+ 3.1	63	30	13	6	35	2.39	−2.29	0.64	.....	5	.....	.....	.....	.....	Ernest M. Searcy.
St. Joseph	Mercer	490	14	.....	.....	.....	.....	.....	.....	.....	2.63	−0.75	1.40	0.2	7	16*	7*	15*	sw	E. B. Wilson.
Salvisa, Lock 6	Mercer	900	30	37.4	+ 3.7	59*	2	8*	21	33*	3.14	−0.89	1.68	.....	9	18	1	11	sw.	Miss Ruth Retta.
Scott	Kenton	866	39	37.4	+ 2.2	63	28	10	21	40	2.85	−1.55	1.65	0	5	18	3	10	e.	E. D. Bourne.
Shelbyville	Shelby	489	26	38.0	+ 2.8	61	28	15	6†	35	2.66	−2.54	0.68	0	7	.....	.....	.....	.....	H. K. Vaughn.
Taylorsville	Spencer	526	10	.....	.....	.....	.....	.....	.....	.....	2.79	−0.72	1.07	0	7	13	8	10	w.	Mrs. E. S. Humlong
Terrace, Lock 5	Anderson	943	25	37.1	+ 3.6	59	13	9	21	28	2.32	−2.01	0.97	T.	7	.....	.....	.....	.....	H. J. Lewis.
Wilmastown	Grant	533	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woodbury, Lock 4	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Curtis Turvis.
Eastern Division.																				
Ashland	Boyd	534	11	37.8	− 1.5	64	14	16	6†	33	1.87	−1.54	0.47	.....	10	8	0	23	w	Robert S. Smallwood
Beattyville	Lee	650	24	38.2	+ 2.5	62	4†	15	6	35	1.59	−2.83	0.45	T.	9	13	5	13	n.	Chas. C. Graham.
Berea	Madison	1075	26	40.8	+ 4.2	69	11†	15	6	45	1.49	−2.88	0.47	T.	5	16	7	8	se.	Kelly Weldon
College Hill, Lock 11	Madison	691	18	.....	.....	.....	.....	.....	.....	.....	1.15	−3.59	0.35	T.	8	.....	.....	.....	.....	P. H. Kolare.
Cynthiana	Harrison	684	10	.....	.....	.....	.....	.....	.....	.....	2.57	−1.62	0.65	0	10	.....	.....	.....	.....	J. V. Oldham
Falmouth	Pendleton	600	39	.....	.....	.....	.....	.....	.....	.....	2.61	−0.80	0.65	T.	9	.....	.....	.....	.....	Mrs. R. E. Stamper.
Farmers	Rowan	668	20	38.0	+ 2.0	68*	13	5*	22	45*	1.67	−2.52	0.72	.....	5	18*	0*	12*	e.	C. A. Glascock
Flemingsburg	Fleming	844	3	.....	.....	.....	.....	.....	.....	.....	1.84	.....	0.80	0	5	.....	.....	.....	.....	John A. Withers.
Ford, Lock 10	Clark	593	12	.....	.....	.....	.....	.....	.....	.....	1.38	−2.45	0.41	T.	7	.....	.....	.....	.....	Col. Frank Powers.
Grayson	Carter	580	3	.....	.....	.....	.....	.....	.....	.....	1.43	.....	0.41	0	6	.....	.....	.....	.....	T. Mitchell.
Greenup, Dam 30	Greenup	540	8	.....	.....	.....	.....	.....	.....	.....	1.85	.....	0.54	0	9	.....	.....	.....	.....	Chas. O. Ihrig.
Harrod	Mercer	809	2	.....	.....	.....	.....	.....	.....	.....	1.54	.....	0.47	T.	7	.....	.....	.....	.....	S. C. Cole.
Hazelwood, Lock 14	Lee	661	11	.....	.....	.....	.....	.....	.....	.....	1.68	−3.12	0.54	.....	7	.....	.....	.....	.....	Carl Napier.
Heartman	Knott	1032	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. R. Davidson
Hoskins	Letcher	1595	3	.....	.....	.....	.....	.....	.....	.....	1.77	.....	0.52	0	6	.....	.....	.....	.....	Russian Cedelev.
Louisa	Lawrence	584	24	.....	.....	.....	.....	.....	.....	.....	1.37	−1.93	0.51	0	9	.....	.....	.....	.....	Perry E. Bennett
Maysville	Mason	544	31	38.4	+ 3.8	60	28	11	21	37	2.20	−1.63	0.63	.....	10	15	4	12	se.	Matthew Woodson.
Mockingbird	Bell	1128	32	38.5	+ 0.1	61	31	12	11	43	1.36	−3.42	0.60	0	4	8	18	5	.....	W. R. McKee.
Mount Sterling	Montgomery	930	38	37.0	+ 2.1	63	13	13	6†	32	1.09	−3.15	0.30	0	5	2‡	2*	8*	w.	Andrew M. Staniforth.
Owenville, Dam 35	Campbell	497	6	.....	.....	.....	.....	.....	.....	.....	2.27	.....	0.61	0	7	.....	.....	.....	.....	Robert Bopes.
Pikeville	Pike	636	22	.....	.....	.....	.....	.....	.....	.....	1.54	−2.24	0.44	0	7	.....	.....	.....	.....	F. C. Bell
Flood	Floyd	670	3	.....	.....	.....	.....	.....	.....	.....	2.04	.....	0.65	0	8	.....	.....	.....	.....	R. W. Jones.
Prestonsburg	Breath It	732	3	39.6	.....	64	13	16	6†	39	2.36	.....	0.54	T.	8	.....	.....	.....	.....	Walter P. Bush.
Quicksand	Breath It	631	19	.....	.....	.....	.....	.....	.....	.....	1.35	.....	0.58	0	6	.....	.....	.....	.....	W. Combs.
Ravenna, Lock 12	Estill	926	37	42.0	+ 4.9	63	12‡	17	21	36	1.08	−2.87	0.30	0	6	21	2	8	.....	E. P. Crawford
Richmond	Madison	1075	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chas. Sullivan.
Salyersville	Magoffin	1142	3	.....	.....	.....	.....	.....	.....	.....	1.89	−2.88	0.86	0	7	.....	.....	.....	.....	H. M. Dennis.
Sassafras Knob, Lock 9	Madison	711	15	.....	.....	.....	.....	.....	.....	.....	1.17	−2.71	0.46	0	5	.....	.....	.....	.....	C. H. Zimmerman.
Spottsburg, Dam 32	Lewis	525	13	.....	.....	.....	.....	.....	.....	.....	0.79	.....	0.21	0	5	.....	.....	.....	.....	Lawrence R. Hill.
Stanford	Lincoln	1142	3	.....	.....	.....	.....	.....	.....	.....	1.48	−2.39	0.70	0	5	24	5	2	.....	Lessie Hicks.
Williamsburg	Whitley	999	31	41.3	+ 2.2	69	4	16	6	46	1.06	−3.44	0.40	0	4	.....	.....	.....	.....	
Willow, Lock 13	Lee	644	9	.....	.....	.....	.....	.....	.....	.....	2.52	−1.76	2.50	T.	7	17	5	9	sw.	
State averages and extremes				39.5	+ 1.9	72	28	5	22	46	2.52	−1.76	2.50	T.	7	17	5	9	sw.	

(2) Temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published.
Rain or sleet. Evansville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Trace. Frankfort and Williamsburg, for one mile, represents two days or more with depth of snow less than 0.5 inch.
Snow, sleet or hail in inappreciable quantities. † Precipitation is less than 0.01 inch; such rain or melted snow not measured.
Also on other dates. ‡ Received too late to be included in regular and summaries. § Lone Oak, Ky.; Lock 8, Nachesville, Ky.; Lock 10, Red House, Ky.; Lock 11, Independence, Ky.
Lock 1, Prospect, Ky.; Lock 2, Lees, Ky.; Lock 3, Nachesville, Ky.; Lock 10, Red House, Ky.; Lock 11, Independence, Ky.
Lock 1, Prospect, Ky.; Lock 2, Lees, Ky.; Lock 3, Nachesville, Ky.; Lock 10, Red House, Ky.; Lock 11, Independence, Ky.

Daily Precipitation for December, 1928

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Division																																
Beaver Dam	O			.49							.04	.66				1.87																
Berea				.86	.06		T.	T			.04	.06	.21		T	1.85	T										T		T			
Bethelridge	L			.76	.02			T			.08	.18	.08			2.32											T					
Bonnieville	O			.48			.02				.02	.06	.01			2.04											T					
Bowersville	O			.50				T				.04	.06			1.74											T					
Burton	M			.75							T	.04	.06			1.74											T					
Canfield	O			.90							.15	.57			.03	1.80												T				
Carlisle	M			1.15												1.05																
Carney	T		T.	.48												2.50																
Cave-in-Rock	O			.92			T	T				.20	.24		T	1.80													T			
Centerboro, Dam 46	O										.04	.08	.16			1.84											T					
Paducah (near) *	O			1.00				1			.16	.02	.37			1.08	.44										T					
Carmel	O											.50				1.76																
Clarkston	O			.82							.13	.16	.24			1.32	.34															
Cloverport, Lock No. 2	O			.77				.01			.04	.03	.40		.05	2.01																
Cynthiana	O			.87				T			T	.15	.46			1.66	.33															
Danville	O			.40							.17	.02	.10			.93	.25															
Central Division					.02			T				.13	.29			1.20	.30															
Addison, Dam 45	O																															
Beaverage	O			.99							.06	.11	.24			1.06	.62															
Bristow	K			.61							.06	.26	.25			1.39																
Bowling Green	K			.45	.15						.26	.14	.20			1.84																
Bowling Green, No. 2	K			.50				T.			.27	.25	.17		1.50																	
Brownsville, Lock No. 6	K				.45						1.11	.80	1.15			.91	.52															
Brownsville	K				.50						.18	.65	.44			.83	.38															
Bruinsburg (Lock No. 1)	K				.11								.02			.05	.48															
Cool Spring, Dam 36	K				.78										.56	.54	.34															
Dam Bargen	K		T		.55			T			.03	T.	.57	.01	T.	.47	.74															
Dennis	C	.46														.54	1.01															
Dunmor	K	.12			.33																											
Eastview	K	.05			.50			T.	T.		.15	T	.12			.45																
Elizabeth, Lock No. 4	K			.35								.25				.80	.50															
Glasgow	K	.04			.53			T.			.08	.04	.57			1.45																
Gold, Dam 38	O	.01														.77	.53															
Greensburg	O				.54			T																								
Green Bridge, Lock No. 7	K	.02		.21	.12			T			.07	T	.68	.02		.56	.54			T.	.04											
Hampton	O				.48						T.	.02	.29			.23	.43															
Harrison City				.99							.20	.15	.10			1.70	T															
Hazelgreen	K			.25	.18						.06	.05	.35			.78	.02															
Hazelwood	K	.17			.26											.10	.67	.30														
Hebron, Dam 37	K				.58	.05					.20	.16	.40			2.42																
Herbert Hockman, Lock No. 8	K	.14		.90	T		T.	T			.02	.11	.23		.01	.78	T.															
Hickman, Lock No. 2	K				.30						.04		.36			.15	.40															
Hillview Farm	O			.06			T			.06		.52				.76	.47															
Ice (Cornelia Park)	O			.78			T	T		T	.03	.57	.03		.08	1.11															
Indianapolis	O				.50			T.			.04	.02	.54			1.26																
Jolo	O				.70						.20				.70	.60																
Jesse, Lock No. 6	K	.12			.55			T.				.35	.25			2.05	T															
Lake	K				.60						T		.50			.50	.64															
Lawrenceville	L			.53	.06		T				.02	T	.05			1.10				.02												
Lebanon	K	.06		.68	.11					.02	.08	.10	.28			1.68																
Leitchfield	K			.64	.06						.14	.12	.14			1.65	.01															
Lewisburg	K			.68			T				.14		.02		.64	.50																
Lockbury, Lock No. 4	O			.75	.12						.08	.08	.58			1.07																
Eastern Division					.44			T.			.19	.04	.17			.97	.48															
Mayland	O	.47																														
Maysville	K	.36			.17			T.	T.				.30	.15		.17	.31															
Mayo	K				.17								.19	.01		1.02	.45															
Mayo Hill, Lock No. 11	K	.15		.25				T					.45			.47	T															
Melmore	L	.06			.23				T				.10			.15	.35															
Monticello	L	.03			.60			.05	T.		.04		.45			.60	.65															
Monroe	L				.71		T	T.			.07	.01	.63			.65	.41															
Morganfield	L				.72		T						.23			.23																
Mound, Lock No. 10	K	.35		.50								.40		.28		.16																
Mowen	O	.23			.41			T.	T.		T.	T.	.15			.25	.24	T.														
Mowins, Dam 39	O	.20			.24								.35			.14																
Munfordville	K	.55			.51								.30	.04		.24	.24															
Muhlenburg, Lock No. 14	K	.37			.11								.22				.17															
Nadine	K				.15								.21				.54															
Nelms	K	.40																														
Nesbit	K	.54			.68								.10	.05		.52																
Newsville	O	.15			.63								.26	.03		.04	.52															
Nicholasboro	O											.01	.37	.01		.25	.52															
Nolin Sterility	L				.30	.26							.09	.23		.01																
Normandy	O	T.			.37						T																					
Northbridge	K	.44		T									.61	.03		.89	.54															
Nortonville	K	.55			.10								.24	.12		.12																
Oakland	K	.51			.24				T.				.23	.26		.40																
Oakton, Lock No. 19	K	.10			.58							.35		.18		.54																
Oakwood	K			.04	.24								.12			.15																
Odell	K							.61				T.	.09			.50																
Ohio View, Lock No. 6	K																															
Ohlenberg, Dam No. 32	O			.50				.02			.06	.20				.89																
Olesburg	K				.08								.34			.25	.46															
Olenburg	O	.32			.09								.07																			
Owensboro, Lock No. 13	K	.10											.15			.70																
					.26											.30																

Except as otherwise indicated observations are generally made late in the afternoon, local standard time of observation.

Red-ringed mark "R": Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation designated in the morning and often recorded is for the preceding 24 hours.

; separates dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking (K) Kentucky (S) Salt (C) Green (T) Cumberland (O) Ohio (M) Mississippi.

* Long Oak

Daily Temperatures for December, 1928.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Means
Weather Bureau																																	
Grand Rivers	Maximum	57	59	54	43	47	44	44	40	45	54	60	58	60	60	55	56	56	44	52	44	44	55	45	56	58	57	62	70	64	48	51	52.0
	Minimum	36	39	42	28	33	15	27	26	19	24	23	41	48	45	46	36	36	34	41	30	46	36	39	36	56	46	58	56	58	52	47	40	39.7
	Mean	47	49	48	36	40	42	41	33	32	39	42	50	54	53	51	46	46	39	47	37	45	46	42	46	57	52	60	63	61	50	49	46	45.8
Clinton	Maximum	56	56	53	48	47	42	41	36	42	52	57	56	60	60	54	55	55	42	49	45	46	52	48	52	54	56	59	67	72	72	47	46	51.4
	Minimum	35	42	42	34	22	17	34	24	18	28	28	44	48	37	40	43	37	36	30	32	40	40	42	42	41	36	41	49	46	44	48	41	51.2
	Mean	46	49	48	41	35	30	38	30	30	40	43	50	54	49	47	49	46	39	40	39	43	46	45	47	48	46	50	58	59	58	48	44	48.3
Cynthiana	Maximum	62	54	56	50	49	50	38	38	44	52	58	57	64	66	54	55	55	42	49	45	46	52	49	52	54	56	58	67	72	72	47	46	50.7
	Minimum	34	37	42	28	23	15	27	24	18	24	28	43	48	45	44	36	34	31	34	29	40	39	35	39	41	37	41	49	46	44	48	41	51.2
	Mean	48	46	49	39	36	32	33	31	31	38	43	50	56	56	49	46	45	37	42	37	43	46	42	46	48	47	50	58	59	58	48	44	48.3
Lexington	Maximum	62	54	56	50	49	50	38	38	44	52	58	57	64	66	54	55	55	42	49	45	46	52	49	52	54	56	59	67	72	72	47	46	50.7
	Minimum	34	37	42	28	23	15	27	24	18	24	28	43	48	45	44	36	34	31	34	29	40	39	35	39	41	37	41	49	46	44	48	41	51.2
	Mean	48	46	49	39	36	32	33	31	31	38	43	50	56	56	49	46	45	37	42	37	43	46	42	46	48	47	50	58	59	58	48	44	48.3
Louisville	Maximum	58	59	59	52	48	47	45	45	48	55	61	60	62	62	56	56	56	46	52	48	48	55	51	56	58	58	62	70	74	74	49	48	53.6
	Minimum	36	39	42	28	25	20	22	24	23	24	27	43	47	46	46	38	36	34	36	32	42	44	40	42	43	40	45	51	48	46	50	42	53.1
	Mean	47	49	50	40	36	33	33	34	35	39	44	51	54	54	51	47	46	40	44	40	45	49	45	49	50	49	53	60	61	60	49	45	53.3
Madisonville	Maximum	58	56	57	56	50	50	46	45	47	56	59	57	65	66	56	56	56	45	53	48	48	56	52	56	58	58	62	70	74	74	49	48	54.1
	Minimum	36	39	42	28	25	20	22	24	23	24	27	43	47	46	46	38	36	34	36	32	42	44	40	42	43	40	45	51	48	46	50	42	53.1
	Mean	47	48	50	42	38	35	34	35	35	40	43	50	56	56	51	47	46	40	45	40	45	50	46	49	51	49	54	61	61	60	50	45	53.6
Owensboro	Maximum	61	59	59	54	50	50	46	45	47	56	59	57	65	66	56	56	56	45	53	48	48	56	52	56	58	58	62	70	74	74	49	48	54.1
	Minimum	36	39	42	28	25	20	22	24	23	24	27	43	47	46	46	38	36	34	36	32	42	44	40	42	43	40	45	51	48	46	50	42	53.1
	Mean	48	49	50	42	38	35	34	35	35	40	43	50	56	56	51	47	46	40	45	40	45	50	46	49	51	49	54	61	61	60	50	45	53.6
Paducah	Maximum	62	56	54	52	49	50	46	45	47	56	59	57	65	66	56	56	56	45	53	48	48	56	52	56	58	58	62	70	74	74	49	48	54.1
	Minimum	36	39	42	28	25	20	22	24	23	24	27	43	47	46	46	38	36	34	36	32	42	44	40	42	43	40	45	51	48	46	50	42	53.1
	Mean	49	48	48	40	37	35	34	35	35	40	43	50	56	56	51	47	46	40	45	40	45	50	46	49	51	49	54	61	61	60	50	45	53.6
Paducah (near)	Maximum	62	56	54	52	49	50	46	45	47	56	59	57	65	66	56	56	56	45	53	48	48	56	52	56	58	58	62	70	74	74	49	48	54.1
	Minimum	36	39	42	28	25	20	22	24	23	24	27	43	47	46	46	38	36	34	36	32	42	44	40	42	43	40	45	51	48	46	50	42	53.1
	Mean	49	48	48	40	37	35	34	35	35	40	43	50	56	56	51	47	46	40	45	40	45	50	46	49	51	49	54	61	61	60	50	45	53.6
Princeton	Maximum	58	56	57	56	50	50	46	45	47	56	59	57	65	66	56	56	56	45	53	48	48	56	52	56	58	58	62	70	74	74	49	48	54.1
	Minimum	36	39	42	28	25	20	22	24	23	24	27	43	47	46	46	38	36	34	36	32	42	44	40	42	43	40	45	51	48	46	50	42	53.1
	Mean	47	48	50	42	38	35	34	35	35	40	43	50	56	56	51	47	46	40	45	40	45	50	46	49	51	49	54	61	61	60	50	45	53.6
Russellville	Maximum	57	59	59	56	48	47	45	45	48	55	61	60	62	62	56	56	56	46	52	48	48	55	51	56	58	58	62	70	74	74	49	48	53.6
	Minimum	36	39	42	28	25	20	22	24	23	24	27	43	47	46	46	38	36	34	36	32	42	44	40	42	43	40	45	51	48	46	50	42	53.1
	Mean	47	49	50	42	38	35	34	35	35	40	43	50	56	56	51	47	46	40	45	40	45	50	46	49	51	49	54	61	61	60	50	45	53.6
Cooperative Data																																	
Auburn	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Bardstown	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Bowling Green	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Brandenburg	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Campbellsburg	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Dix Dam	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Eubank	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Frankfort	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Franklin	Maximum	58	59	59	56	50	50	46	45	47	56	59	57	65	66	56	56	56	45	53	48	48	56	52	56	58	58	62	70	74	74	49	48	54.1
	Minimum	36	39	42	28	25	20	22	24	23	24	27	43	47	46	46	38	36	34	36	32	42	44	40	42	43	40	45	51	48	46	50	42	53.1
	Mean	47	49	50	42	38	35	34	35	35	40	43	50	56	56	51	47	46	40	45	40	45	50	46	49	51	49	54	61	61	60	50	45	53.6
Glasgow	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mean	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Glasgow	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Georgetown	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Harrodsburg	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Hopkinsville	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Lancaster	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Mount Sterling	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Mount Vernon	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Nicholasville	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Owenton	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Owingsville	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Paris	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Pembroke	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mean	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Princeton	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Richmond	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Shelbyville	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42	42	40	37	31	36	40	36	39	42	42	46	52	56	54	48	44	48.4
Taylorsville	Maximum	57	56	52	45	52	40	42	34	40	46	48	56	57	52	52	50	52	50	46	38	42	48	42	46	52	52	56	62	68	66	49	47	51.0
	Minimum	32	36	38	32	30	14	17	19	13	18	28	38	40	37	38	34	32	30	28	24	30	32	30	32	32	32	36	42	44	42	46	40	45.7
	Mean	45	46	45	38	41	27	30	26	26	32	38	47	48	44	45	42

LIBRARY OF THE
FEB 28 1929
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIII LOUISVILLE, KY., ANNUAL, 1928 No. 13

GENERAL SUMMARY.

Although the mean temperature and total precipitation for the year were near normal, departures from the average conditions in some months approached past extremes. June was the hottest and next to the coolest month of the name on record. The last half of September was also very cool, with the earliest killing frost of record in most of the State. With the exception of February all months in the first half of the year were unusually cool. Except September, the other six months were relatively warm. Thus, while the spring and early summer were unfavorable for starting the crops, temperatures later on were generally favorable for bringing them to maturity. Precipitation in January, February, and March was deficient but frequent. Light snowfall and variable temperature, resulting in many deep freezes and complete thaws, brought extensive injury to winter wheat. A considerable proportion of the crop was frozen out and had to be abandoned. The spring freezes caused much damage to fruit, which had blossomed in the warm weather of late March and early April. The first half of May was favorable for plowing and seeding, but low temperatures retarded germination and growth. Precipitation of extraordinary frequency and amount in June established a new record for the month, and almost equaled the record precipitation of January, 1913. These rains prevented cultivation and caused enormous damage to soil and crops by washing and flooding. Excessive coldiness and standing water caused the abandonment of much corn on level or bottom lands. Drought beginning in July in the western counties and spreading to the eastern section in September, prevented preparation of soil for seeding. These conditions caused much seeding to be delayed until the rains came in October, and prevented germination of grain sown at the proper time. Most wheat came up too late to stool freely or set deeply, and entered the winter insufficiently resistant. Except for this feature the fall weather was highly favorable, allowing the curing of corn in shock and tobacco in barns, with consequent improvement in condition. As a result corn gathering and tobacco stripping were advanced. The premature killing frost in September did not injure early crops, which the favorable weather had brought to maturity; but it practically ruined late potatoes, and damaged some late tobacco, corn and potatoes. The rains that began late in October caused partial recovery of pastures, with most improvement in the eastern counties. Meadows, alfalfa, and clover revived sufficiently to cover the winter with fairly strong growth. Relatively dry weather and moderate temperature in the early winter favored seeding and general outdoor work.

The Weather by Months.

JANUARY. — A cold wave at the beginning was followed by two weeks of mild weather, and this in turn by another cold period. Grasses and late sown wheat suffered severely from heaving freezes.

FEBRUARY. — Although temperatures above normal predominated, frequent freezes kept vegetation dormant. Freezing and thawing, without snow cover, caused further injury to wheat and grasses. Light precipitation permitted some plowing.

MARCH. Variable temperature resulted in additional damage to winter grains in the first half. Dry soil and favorable temperature in the last half resulted in rapid progress with plowing, and gardening. Tobacco plantbeds were sown in good time. Spring work was ahead of the season.

APRIL. - There was much planting in the warm spell at the beginning, but subnormal temperatures until near the end interfered with germination and retarded growth. Fairly heavy precipitation was generally beneficial.

MAY. — Prevailing low temperature affected germination and delayed the progress of crops. Dry weather in the first half was unfavorable but the rains in the last half accelerated growth. Only cool weather vegetables made satisfactory progress.

JUNE. — The excessive and almost continuous rains rendered this an outstanding month for damage to crops and prevention of tillage. On well drained uplands growth was fairly good, but crops on flat or bottom lands frequently deteriorated. Ripening of wheat was delayed and hay harvest of any kind was practically impossible.

JULY. — Rains in the first two weeks interfered with cultivation, but later in the month the soil dried hard and corn suffered for moisture. In general the sunshine and dry weather improved all crops.

AUGUST. Temperatures above normal were favorable, and rainfall was sufficient in the central and eastern districts. Dry weather adversely affected crops and pastures in the western counties. Weather conditions were favorable for cutting and housing tobacco, which began about the middle of the month.

SEPTEMBER.---In most districts the month was almost rainless until near the end. Drought in western counties injured corn

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year	Temperature: Mean	Departure	Highest	Lowest.	Precipitation: Average.	Departure	Of precip. (inches)	Number of Days: Clear.	Pt. Cldy.	Cloudy.	Av. depth of snow (in.)
1889	57.6	−0.9	101	-3	35.97	− 8.87					
1890	57.1	−0.6	101	4	58.83	+14.98					
1891	56.3	−0.2	106	0	49.60	− 3.85					
1892	55.5	−1.2	101	6	44.25	− 1.70					
1893	55.5	−1.0	101	−22	44.71	− 1.13					
1894	57.1	+0.6	103	−12	34.84	−11.03					
1895	56.0	−0.5	104	−18	38.37	− 7.37		156	103	106	
1896	57.6	+1.1	106	−12	44.68	− 1.16	94	151	111	103	8.4
1897	57.2	+0.7	107	−16	46.72	+ 0.88	111	168	97	100	12.5
1898	57.2	+0.7	103	−12	52.38	+ 6.54	133	153	110	102	24.6
1899	56.4	−0.1	105	−20	46.38	+ 0.54	122	155	105	105	12.9
1900	55.7	−1.2	104	− 9	44.46	− 1.44	110	165	102	104	9.7
1901	56.3	−1.2	112	−22	35.63	−10.19	88	161	85	111	18.1
1902	56.5	0.0	107	3	44.55	− 1.49	102	162	91	112	14.9
1903	57.8	0.7	104	−16	41.16	− 4.68	105	170	87	108	12.9
1904	55.2	1.2	103	− 9	35.10	−10.74	100	162	88	116	9.7
1905	55.8	−0.7	106	−16	47.68	+ 1.84	144	161	78	126	18.1
1906	57.6	0.0	106	−12	48.84	+ 3.00	133	152	78	135	14.9
1907	56.1	+0.4	102	−11	47.76	+ 1.92	139	155	73	137	24.5
1908	57.7	+1.2	104	2	41.94	− 3.90	109	169	83	113	9.5
1909	56.5	0.0	104	− 14	51.36	+ 5.52	108	158	82	125	10.6
1910	58.3	+1.2	100	−20	50.07	+ 4.83	131	168	74	123	30.6
1911	58.0	+1.5	106	−16	49.77	+ 4.53	137	155	87	123	6.6
1912	54.6	−1.9	104	−20	47.05	+ 2.09	108	163	74	127	25.6
1913	57.9	+1.4	109	− 2	47.46	+ 1.62	107	161	77	127	6.8
1914	56.5	+0.2	109	16	41.80	− 4.04	106	167	80	122	7.7
1915	56.3	+0.3	103	0	51.92	+ 6.08	144	150	93	122	14.4
1916	56.2	+0.2	102	11	45.79	+ 0.95	106	154	87	124	23.9
1917	55.5	−0.9	100	−21	45.01	+ 0.17	106	155	91	119	9.8
1918	56.5	0.0	113	20	40.64	− 5.20	106	150	85	130	24.9
1919	57.9	+1.4	104	− 1	52.13	+ 6.29	116	150	81	134	5.7
1920	55.5	−1.0	100	6	46.90	+ 1.06	103	154	83	128	10.1
1921	56.1	−0.5	106	−11	49.42	+ 3.58	118	157	83	125	11.3
1922	58.5	+2.1	103	1	44.85	− 0.99	119	170	84	111	19.6
1923	57.1	+0.6	99	4	57.92	+ 8.08	135	161	81	123	3.9
1924	55.0	−1.5	103	9	42.18	− 7.16	105	169	79	118	6.3
1925	57.6	+1.1	110	− 5	44.13	− 5.21	104	163	85	117	10.1
1926	56.1	+0.4	102	11	49.95	+ 4.11	129	148	93	124	13.1
1927	57.8	+1.3	113	1	52.53	+ 7.84	123	170	82	113	19.5
1928	56.0	0.3	105	8	45.61	0.24	111	166	89	111	9.2
Means and Extremes	56	0.0	112	-30	47.84	0.00	104	156	87	117	14.1

*Computed with 4 years omitted.

Climatological Data for the Year 1928.

Stations	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number of days				Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION																				
Beaver Dam	Ohio	441	25	57.9	98	July 22	− 2	Jan. 3	26	49.97	15.13	June	0.00	Sept.	.....	103	219	40	107	s.
Bitterville	Ballard	385	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Calhoun	McLean	437	25	57.5	95	July 7	− 5	Jan. 1	26	44.06	12.35	June	T.	Sept.	0.5	104	.....	.....	.....	nw.
Earlington	Hopkins	420	39	57.6	96	Aug. 7	− 1	Jan. 11	39	49.04	15.41	June	0.02	Sept.	1.0	115	220	43	103	sw.
Greenville	Muhlenburg	519	12	57.2	100	Aug. 7	− 4	Jan. 2	12	45.47	14.67	June	0.30	Sept.	2.0	111	168w	123w	51w	s.
Hopkinsville	Christian	524	33	57.7	98	Aug. 7	− 1	Jan. 1	33	42.49	12.88	June	0.19	Sept.	0.1	109	134	83	149	se.
Lovelaceville	Ballard	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marion	Crittenden	571	31	57.6	97	July 6	− 3	Jan. 1	32	43.45	10.99	June	T.	Sept.	T.	66	136	137	93	sw.
Mayfield	Graves	384	20	58 9	99	Aug. 15	− 2	Jan. 1	20	52.50	17 78	June	0.00	Sept.	.....	73	143*	136*	81*	sw.
Murray	Calloway	412	2	57.3	97	Aug. 28	− 2	Jan. 3	2	51.86	18.49	June	0.02	Sept.	.....	71	169	118	79	s.
Owensboro	Daviess	479	32	55.3	93	Aug. 7	− 6	Jan. 1	32	37.07	10 66	.....	0.14	Sept.	3.0	107	165	75	126	s.
Owensboro Dam 46	Daviess	379	.....	.....	.....	.....	.....	.....	1	40.43	11.59	.....	0.14	Sept.	2 5	92	.....	.....	.....	.....
Paducah Gear	McCracken	316	12	58.1	98	July 7	− 1	Jan. 11	12	55.45	18.03	June	0.00	Sept.	.....	96	208	57	101	se.
Paducah	McCracken	311	.....	.....	.....	.....	.....	.....	40	53.17	19.22	.....	0.00	Sept.	.....	94	.....	.....	.....	.....
Princeton	Caldwell	529	22	56.0	93	Aug. 24	− 2	Jan. 1*	24	42.82	15.52	.....	0.63	Sept.	T.	118	135	105	126	s.
Princeton	.....	384	.....	.....	.....	.....	.....	.....	12	41.86	12.12	.....	0.66	Sept.	1 2	95	.....	.....	.....	.....
Ramsey, Lock 2	McLean	384	.....	.....	.....	.....	.....	.....	18	47.27	12.99	.....	0.24	Sept.	.....	112	199e	22e	127e	s.
Russellville	Logan	560	18	56.1	94	July 30	− 3	Jan. 2	1	42.65	12.01	.....	0.16	Sept.	5.0	109	.....	.....	.....	.....
Tarentum Dam 49	Union	341	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CENTRAL DIVISION.																				
Addison Dam 45	Breckinridge	352	.....	.....	.....	.....	.....	.....	1	46 22	11.35	June	0.42	Sept.	1 0	127	.....	.....	.....	.....
Anchorage	Jefferson	700	25	58.8	93	July 20†	− 3	Jan. 3	28	42.30	10 82	June	0.82	Sept.	10.3	99	192	54	110	sw.
Bardstown	Nelson	637	32	56.0	95	Aug. 28	− 5	Jan. 3	32	54 36	14.30	June	0.58	Sept.	5.0	145	216	37	113	sw.
Bowling Green	Warren	560	40	58.3	98	July 20	− 3	Jan. 2	41	49.03	13.06	June	0.50	Sept.	1.2	118	175*	133*	79*	w.
Bowling Green	Warren	460	.....	.....	.....	.....	.....	.....	4	45 55	12 76	June	0.31	Sept.	0.7	89	.....	.....	.....	.....
Bowling Green No. 2	Warren	459	.....	.....	.....	.....	.....	.....	12	49.41	12.73	June	0.	Sept.	1 8	118	.....	.....	.....	.....
Brownsville, Lock 6	Edmonson	419	.....	.....	.....	.....	.....	.....	38	48.85	7 71	June	1 04	Sept.	9.0	131	.....	.....	.....	.....
Burnside	Pulaski	775	.....	.....	.....	.....	.....	.....	30	41.83	10.52	June	1.58	Mar.	.....	84	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	422	.....	.....	.....	.....	.....	.....	3	39 51	9.78	June	0.54	Sept.	4.0	114	.....	.....	.....	.....
Cold Spring	Campbell	489	.....	.....	.....	.....	.....	.....	5	45 01	9.18	June	0.56	Sept.	2.0	116	186	65	115	.....
Dix Dam, Burgin	Mercer	770	5	.....	93	July 22	− 4	Jan. 1*	35	48.57	12 44	June	0.84	Sept.	6.5	93	149*	95b*	127	s.
Eubank	Pulaski	1,177	35	55.7	93	July 18†	− 7	Jan. 2	40	47.15	9 80	July	0.76	Sept.	4.7	110	186	45	135	s.
Frankfort	Franklin	560	37	56.6	94	July 22†	2	Jan. 2	38	50.82	13.00	June	0.60	Sept.	0.2	90	226	103	37	e.
Fremont	Simpson	691	31	.....	97	July 18†	− 3	Jan. 2*	18	41.64	7.77	June	0.79	Sept.	.....	124	.....	.....	.....	.....
Frisco 10	Henry	449	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gest, Lock 3	Barren	760	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glenview	Boone	566	.....	.....	.....	.....	.....	.....	4	34.74	7.87	June	1.06	May	.....	117	.....	.....	.....	.....
Grant, Dam 38	Boone	584	36	54 7	95	Aug. 6	5	Jan. 2	40	51.06	13.76	June	0.21	Sept.	3.5	145	79	31	256	n.
Greensburg	Green	550	.....	.....	.....	.....	.....	.....	27	42.13	8.41	June	0.67	Sept.	8.0	119	.....	.....	.....	.....
H. 29, Burgin, Lock 7	Jessamine	550	.....	.....	.....	.....	.....	.....	31	49.35	14.71	June	0.45	Sept.	2.4	95	177	60	129	sw.
Irvington	Breckinridge	646	31	56 0	91	Aug. 9	− 2	Jan. 1*	25	54.17	13.75	June	0 41	Sept.	7 8	135	176	127	63	s.
Junction City	Boyle	985	35	55 2	94	Aug. 9	8	Jan. 2	3	37.51	10.09	June	0.28	Sept.	.....	120	.....	.....	.....	.....
Lancaster	Garrard	1,032	.....	.....	.....	.....	.....	.....	33	50.72	14 48	June	0.63	Sept.	4.5	116	175	113	94	sw.
Leatherwood	Grayson	645	33	56 1	94	Aug. 28	− 4	Jan. 3	41	41.75	10.62	June	0.73	Sept.	9.5	122	148	103	117	sw.
Lexington	Fayette	989	45	54 2	99	Aug. 9	− 4	Jan. 2	73	48.08	9.68	June	0.52	Sept.	3.0	101	.....	.....	.....	.....
Little Hickman, Lock 5	Jessamine	523	.....	.....	.....	.....	.....	.....	19	39 29	8 61	June	0.77	Sept.	8.5	121	.....	.....	.....	.....
Lockport, Lock 2	Henry	476	.....	.....	.....	.....	.....	.....	56	41 09	7 25	June	0.78	Sept.	4 8	113	128	126	117	s.
Louisville	Jefferson	525	56	55 5	92	July 20†	− 5	Jan. 1	20	44.59	11 68	June	1.03	Sept.	7.2	104	164	85	117	s.
Louisville, The Cascades Park	Jefferson	564	19	54.9	90	July 26	− 3	Jan. 1	6	42 30	12.68	June	0.49	Sept.	.....	83	.....	.....	.....	.....
Maceo	Ohio	660	.....	.....	.....	.....	.....	.....	33	51.18	12 96	June	0.60	Sept.	5.2	102	227	46	96	.....
Madisonville	Hardin	777	33	54.9	99	July 11*	− 5	Jan. 2†	15	57 09	13 60	June	0.76	Sept.	3.0	94	.....	.....	.....	.....
Salvisa	Mercer	430	.....	.....	.....	.....	.....	.....	31	39 59	9 88	June	0.66	Sept.	6.7	108	189	142*	134*	w.
Salyers, Lock 6	Kenton	900	31	53 3	90	Aug. 9	− 5	Jan. 3	40	48.86	9 87	June	0 68	Sept.	6.0	146	160	59	158	sw.
Scott	Scott	855	40	53 6	96	July 16	− 6	Jan. 2†	26	50 78	12.24	June	0.11	Sept.	6.5	118	176	74	116	nw.
Shelbyville	Shelby	489	27	54.5	97	July 20	4	Jan. 3	10	49 67	13 79	June	0.67	Sept.	3.0	105	.....	.....	.....	.....
Taylorsville	Spencer	526	.....	.....	.....	.....	.....	.....	26	41 43	7 88	June	1.09	Sept.	11 5	125	151	119	91	w.
Verona, Lock 5	Anderson	943	26	.....	92	July 18†	6	Jan. 3	12	48 88	13 62	June	0 18	Sept.	1.2	129	.....	.....	.....	.....
Williamstown	Grant	933	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woodburn, Lock 4	Butler	533	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
EASTERN DIVISION.																				
Ashland	Boyd	531	12	55 2	94	July 21†	0	Jan. 2	12	40 01	7.66	June	1 50	Sept.	6 9	137	147*	68	218*	s.
Beattyville	Lee	650	25	54 8	95	Aug. 6	4	Jan. 2	26	46 86	10 64	June	1 44	Sept.	7.0	146	88	116	162	w.
Berea	Madison	1,070	27	55 8	92	July 11	5	Jan. 2	27	46 21	9 41	June	0 41	Sept.	8.3	117	81	217	68	sw.
Camp Nelson, Lock 11	Madison	601	.....	.....	.....	.....	.....	.....	19	42 31	11 74	June	0 98	Sept.	8 5	137	.....	.....	.....	.....
Campbellsburg	Henry	684	.....	.....	.....	.....	.....	.....	11	40 76	8 52	June	1.11	Sept.	.....	122	.....	.....	.....	.....
Carlisle	Harrison	690	.....	.....	.....	.....	.....	.....	30	38 80	7 85	June	0 88	Sept.	.....	129	.....	.....	.....	.....
Farmington	Pendleton	698	.....	.....	.....	.....	.....	.....	21	45 78	8 26	June	0 97	Sept.	4 0	86	184	61	115	e.
Farnsley	Rowan	668	21	53 2	95	July 25	− 7	Jan. 3	3	48 13	8 11	June	0 95	Sept.	.....	82	.....	.....	.....	.....
Fernbank	Fleming	850	.....	.....	.....	.....	.....	.....	13	45 77	9 64	June	1.19	Sept.	6.1	126	.....	.....	.....	.....
Flemingsburg	Clark	958	.....	.....	.....	.....	.....	.....	3	41 54	9 21	June	1.45	Dec	.....	109	.....	.....	.....	.....
Ford, Lock 10	Carter	580	.....	.....	.....	.....	.....	.....	8	36 67	7 19	June	0 80	Sept.	.....	128	.....	.....	.....	.....
Grassmere	Greenup	500	.....	.....	.....	.....	.....	.....	4	46 48	6 44	April	1 48	Feb.	4.9	149	.....	.....	.....	.....
Greenup, Dam 30	Perry	869	.....	.....	.....	.....	.....	.....	12	49 82	11.25	June	1.34	Sept.	3.0	121	.....	.....	.....	.....
Hyden	Lee	994	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	Breathitt	1,000	.....	.....	.....	.....	− 2	Jan. 2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Henderson	Knott	1,092	.....	.....	.....	.....	.....	.....	3	48 49	6 38	April	1.77	Dec	15.5	124	.....	.....	.....	.....
Jenkins	Bell	1,566	.....	.....	.....	.....	.....	.....	24	42 46	10 21	June	1 87	Dec	.....	126	.....	.....	.....	.....
Lemons	Lawrence	584	.....	.....	.....	.....	.....	.....	32	37 86	6 64	June	0 86	Sept.	5 5	123	199	50	124	s.
Mason	Mason	524	32	.....	96	July 11	− 2	Jan. 2†	32	.....	9 81	June	.....	.....	9.0	.....	196	120	44	.....
Middlesboro	Bell	1,128	22	55 7	100	July 11	− 3	Jan. 2	22	.....	6 98	June	0 8	Sept	7.2	111	184	61	118	w.
Mount Sterling	Montgomery	980	29	53 6	95	July 18*	− 5	Jan. 2†	29	45 16	6 98	June	0 36	Sept	1 5	84	.....	.....	.....	.....
Mount Vernon	Rockcastle	877	.....	.....	.....	.....	.....	.....	7	43 47	11 67	June	0.36	Sept	14 0	105	.....	.....	.....	.....
Oneonta, Dam 35	Campbell	457	.....	.....	.....	.....	.....	.....	23	43 38	7 64	April	0.86	Sept	7.0	108	.....	.....	.....	.....
Pikeville	Pike	656	.....	.....	.....	.....	.....	.....	3	46 53	7 52	June	1.65	Feb.	7.0	118	.....	.....	.....	.....
Prestonsburg	Floyd	630	.....	.....	.....	.....	.....	.....	3	54 56	7 47	June	2 30	Dec	12 7	118	.....	.....	.....	.....
Ravenscroft	Breathitt	732	3	56 1	101	Aug. 7	− 2	Jan. 2	11	45 43	11 46	June	0.60	Sept.	.....	100	.....	.....	.....	.....
Richmond	Madison	631	.....	.....	.....	.....	.....	.....	28	42 73	10 37	June	0.57	Sept	2.8	115	206*	36*	125*	.....
Riverton, Lock 12	Anderson	926	38	56 4	99	July 21†	− 3	Jan. 3	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rockwood	Madison	1,028	5	.....	91	July 16*	− 5	Jan. 3	17	48 43	10 66	June	0 76	Sept.	3 0	131	.....	.....	.....	.....
Salyersville	Magoffin	1,000	.....	.....	.....	.....	.....	.....	14	46 66	6 39	June	0 30	Sept	.....	104	.....	.....	.....	.....
Smiths Grove, Lock 9	Warren	553	.....	.....	.....	.....	.....	.....	2	42 87	6 64	June	0 79	Dec	22 2	107	.....	.....	.....	.....
Smiths Grove, Dam 32	Logan	548	.....	.....	.....	.....	.....	.....	2	42 87	6 64	June	0 79	Dec	22 2	107	.....	.....	.....	.....
Somerset	Pulaski	1,119	.....	.....	.....	.....	.....	.....	24	55 41	11 16	June	1.48	Dec	8.0	109	200	82	87	.....
Wickliffe	Ballard	340	32	57 4	96	July 19	− 4	Jan. 2	10	44 89	10 96	June	0 95	Sept	7.0	82	.....	.....	.....	.....
Woodlawn, Lock 13	Lee	611	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

a Temperature determined from seven-day registering thermometers.
b Also on other dates.
c Average, 5, 6, 7, 8, 9, 10, 11 o'clock a. m. and p. m. of the 15th of each month.
d Average of 7 a. m., 2 p. m. and 9 p. m. observations.
e Record incomplete.
f Average for the month of the last 5 years.
g Average for the month of the last 10 years.
h Average for the month of the last 15 years.
i Average for the month of the last 20 years.
k Average for the month of the last 25 years.
l Average for the month of the last 30 years.
m Average for the month of the last 35 years.
n Average for the month of the last 40 years.
o Average for the month of the last 45 years.
p Average for the month of the last 50 years.
q Average for the month of the last 55 years.
r Average for the month of the last 60 years.
s Average for the month of the last 65 years.
t Average for the month of the last 70 years.
u Average for the month of the last 75 years.
v Average for the month of the last 80 years.
w Average for the month of the last 85 years.
x Average for the month of the last 90 years.
y Average for the month of the last 95 years.
z Average for the month of the last 100 years.

* Also on other dates.

Note.—Figures in the first column after the name of a station indicate the number of years record of temperature; figures in the second column after the name of a station indicate the number of years record of precipitation; figures in the third column after the name of a station indicate the number of years record of snowfall. The dash (—) indicates that the record is incomplete and no average has been computed. The letter T indicates a trace of precipitation.

January was unfavorable to the early crops.

February was favorable to the early crops.

March was favorable to the early crops.

April was favorable to the early crops.

May was favorable to the early crops.

June was favorable to the early crops.

July was favorable to the early crops.

August was favorable to the early crops.

September was favorable to the early crops.

October was favorable to the early crops.

November was favorable to the early crops.

December was favorable to the early crops.

Monthly and Annual Precipitation for the Year 1928, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
WESTERN DIVISION.																										
Beaver Dam	2.75	-1.57	3.15	-0.03	1.95	-2.20	3.78	-0.34	5.80	-1.57	15.45	+11.86	3.16	-0.82	2.82	-0.46	0.60	-2.85	4.06	+2.81	3.82	+1.14	2.61	+0.77	50.41	+7.70
Blandville	1.78	-2.72	3.27	-0.95	2.14	-2.05	5.53	+1.17																		
Calhoun	1.87	-2.30	3.01	-0.25	2.61	-2.11	4.62	+0.05	3.58	-0.61	12.95	+8.76	1.88	-2.34	3.81	+0.21	T.	-3.78	2.88	+0.49						
Earlington	2.01	-2.42	3.20	-0.40	2.16	-1.69	4.94	+0.37	3.82	-0.80	5.41	+1.98	2.24	-1.66	1.30	-1.02	1.26	-2.18	3.45	+1.20	3.14	+0.46	1.61	-0.13	37.14	-3.75
Greenville	2.26	-2.88	1.99	-1.35	1.50	-3.48	4.28	-0.42	2.88	-0.84	5.54	+1.97	3.05	-0.85	1.75	-1.69	1.30	-2.14	3.26	+0.98	2.61	-0.07	1.61	-0.13	33.96	-7.46
Hopkinsville	2.35	-2.84	2.39	-0.50	1.21	-3.82	3.99	-0.44	3.79	-0.27	9.88	+6.40	2.58	-1.50	1.75	-1.09	0.81	-2.63	2.67	+0.40	2.75	-0.25	1.46	-0.28	35.63	-5.87
Lovelaceville									2.78	-1.18	7.77															
Madisonville	1.70	-2.93	2.83	-0.20	1.93	-2.67	6.35	+1.85	3.49	-1.07	10.93	+7.41	0.46	-3.11	3.23	+0.15	T.	-2.80	3.26	+0.79	3.51	+0.51	2.06	+0.18	45.24	+2.01
Mayfield	2.84	-1.19	3.42	-0.42	1.28	-3.73	7.48	+2.98	3.42	-1.17	17.38	+14.05	2.61	-1.85	2.07	-0.28	0.46	-2.98	3.61	+1.14	2.95	+0.01	2.06	+0.18	53.10	+9.72
Murray	2.33		3.16		2.22		4.16		2.21		18.61		1.16		2.27		0.63		4.05		4.00		1.74		46.46	
Owensboro	1.51	-2.38	2.26	-0.55	1.76	-2.79	4.13	+0.07	4.43	+0.62	10.66	+6.91	1.11	-2.27	2.23	-0.54	0.84	-2.65	2.91	+0.01	2.74					
Owensboro No. 2	1.66		2.95		1.92		4.26		4.22				1.47		2.65		0.44		2.90		2.57		1.66		45.21	
Paducah (Near)	2.13	-3.06	3.15	+0.49	2.24	-3.08	4.08	-0.44	2.69	-1.48	18.02	+14.13	1.56	-1.31	3.58	-1.12	0.10	-2.98	3.48	+0.47	5.27		2.83		52.34	+6.21
Princeton	1.58	-2.87	3.48	+0.71	2.22	-2.54	4.91	+0.51	4.92	+0.31	15.72	+11.95	0.93	-2.31	3.64	+0.28	0.65	-2.59	3.47	+0.54	5.06		3.01		52.57	+6.46
Ramsey, Lock No. 2	1.82	-1.63	2.56	-0.17	2.21	-2.41	4.88	+0.66	3.23	+0.57	12.12	+8.35	1.78	-1.54	2.13	-0.64	0.75	-2.68	3.22	+0.29	2.52		1.76		46.82	+3.21
Russellville	1.57	-3.45	2.04	-1.05	1.89	-3.4	3.76	-1.03	3.45	-0.94	15.12	+10.95	4.66	-0.09	1.49	-2.91	0.24	-2.74	6.02	+3.85	2.86		1.78		52.57	+6.66
Tunnelton	1.75		2.78		1.80		4.58		5.01		32.61		0.78		2.41		0.16		2.57							
CENTRAL DIVISION.																										
Addison	2.28		2.84		2.73		4.20		4.23		11.37		3.81		4.05		0.92		3.72		3.23					
Anchorage	2.26	-1.82	2.25	-0.45	2.17	-2.47	4.06	-0.06	4.89	-0.52	10.82	+7.09	2.65	-1.76	2.54	+0.61	0.82	-1.54	2.77	-0.33	2.81	-0.11	2.58		49.99	
Bardstown	2.77	-1.38	2.29	-1.42	1.82	-2.95	3.58	-0.66	4.53	+0.50	14.76	+10.93	3.43	+0.50	3.44	+1.03	0.56	-1.80	3.44	+0.25	2.86	-0.07	2.85	-1.1	51.97	+5.93
Bowling Green	3.62	+1.23	3.35	1.32	3.29	-2.03	3.94	-0.51	3.52	-1.09	13.06	+9.34	3.62	-0.70	2.86	+0.63	0.20	-2.80	3.25	+0.08	2.94	-0.6	2.84		48.29	+1.63
Do. No. 2	3.40		3.07		2.65		3.41		3.43		12.76		3.64		3.31		0.31		3.01		2.63		1.64		42.06	
Brownsville, Lock No 6	2.58	-3.12	3.64	1.56	2.50	-3.14	4.59	-1.59	5.46	-0.10	12.73	+8.83	6.04	+2.84	3.02	-1.68	T.	-3.68	5.03	-1.34	3.03	-0.42	2.27	-0.57	51.93	+3.24
Burnside	3.78	-0.57	1.85	2.24	5.36	+0.20	5.84	+1.44	5.12	+1.43	7.51	-3.58	1.23	-3.44	3.05	-2.53	1.74	-2.50	2.24	-0.72	3.25	-0.17	2.39		46.92	
Carrollton, Lock No 1	1.77	-1.77	1.99	-0.64	1.59	-1.74	5.78	+0.72	4.16	+0.68	10.62	+7.01	3.84	+1.15	1.93	-1.21	2.13	+0.45	2.72	+0.25	2.27	-0.57	3.24		48.24	+3.24
Cold Spring, Dam 36	2.68		3.26		1.55		4.35		1.07		9.78		3.85		3.61		0.66		1.56							
Dix Dam, Burgin	3.04		2.35		2.07		2.45		3.32		9.18		6.55		5.46		0.56		2.11							
Eminence	2.40	2.01	1.91	1.05	2.81	-2.17	2.71	-1.18	2.70	-1.68	12.44	+8.96	5.04	+1.67	7.35	+3.01	0.84	-2.47	3.91	+1.45	4.72	-1.55	1.45		48.27	+3.24
Frankfort	3.39	-1.36	3.49	1.47	3.31	-1.78	3.76	-0.48	5.05	+0.65	13.60	+9.95	4.40	+0.76	4.47	+0.77	0.76	-1.96	5.35	+2.88	2.95	-0.42	2.76		57.15	+6.12
Gest, Lock No. 3	1.51	2.69	2.40	-1.66	2.66	-1.72	3.95	-0.40	3.32	-0.67	7.77	+3.74	4.87	+0.85	3.36	-0.13	0.24	-2.81	5.17	+1.77	2.85	-1.14	2.47		42.35	+2.00
Glassey					1.26																					
Grant, Dam 3	1.64		2.67		1.48		3.97		1.66		7.87		1.68		1.19		1.48		1.87		3.04		2.58		34.74	
Greensburg	3.80	0.50	3.14	-0.77	2.86	2.37	2.74	-1.23	4.85	-0.46	13.51	+9.23	4.34	+0.66	5.35	+1.18	0.21	-2.54	4.91	-1.85	3.04		2.58		54.14	
Hiza Bridge, Lock No. 7	3.09	1.30	2.49	-1.66	2.88	-1.76	2.48	-1.28	2.87	-1.68	8.41	+4.04	7.43	+3.11	4.03	+0.56	0.67	-2.30	2.58	-0.48	3.84	-1.15	1.56	-2.72	49.55	+1.52
Hueston	2.49	1.87	2.45	-0.88	2.94	-1.78	3.91	-0.17	2.68	-0.10	9.44	+5.17	10.86	+6.54	4.48	+1.27	0.52	-2.46	3.55	-0.45	2.42	-1.37	2.56	-2.72	57.45	+9.42
Jamestown	3.27	1.62	3.21	-0.56	3.46	-1.71	3.62	-0.42	3.51	-0.55	13.75	+10.04	5.47	+1.29	3.05	+0.11	0.45	-2.44	3.87	-0.56	3.11	-0.24	3.14	-0.85	49.55	+5.52
Jeffersonville	2.28		2.16		2.33		3.12		2.92		14.09		2.83		2.76		0.38		2.45		2.58		1.87		43.77	
Lawrenceburg	2.79	1.92	3.28	-0.26	1.88	3.04	4.58	+0.90	4.48	+0.38	11.48	+8.20	2.96		3.08		0.98		4.24		3.04		1.95		51.36	
Lebanon	2.66	-1.15	2.86	1.64	2.87	2.10	2.70	-1.58	2.12	-1.46	9.07	+5.63	5.16	+0.52	4.20	-0.07	0.71	-2.36	2.91	-0.66	3.78	-1.46	1.92	-1.73	41.75	-2.57
Locust Grove, Lock No. 2	1.58	2.86	1.74	-0.88	1.75	2.72	3.48	-0.82	3.61	+0.18	8.81	+4.37	6.23	+2.17	6.73	+2.50	0.73	-2.51	4.03	-1.04	3.27	-1.22	1.77	-2.91	47.01	+4.83
Louisville	2.51	1.99	2.51	1.15	2.66	1.75	4.15	+0.27	5.78	+1.01	7.22	3.4	2.17	-1.33	3.29	-0.18	0.78	-2.66	4.45	-1.46	3.46	-0.67			48.40	+2.44
Do (Cherokee Park)	2.27	-2.23	2.54	-0.28	2.13	2.38	3.96	-0.30	6.58	+2.62	11.68	+7.26	2.88	-2.15	3.05	-0.74	1.02	-2.49	2.70	-0.63	2.82	-0.51	2.82	-1.82	44.19	-2.16
Mannfordville	2.64		2.90		1.58		3.25		3.25		12.18		3.51		3.23		0.49		3.22		2.62					
St. John	3.48	1.12	3.47	0.25	1.74	-3.45	1.80	-0.68	5.13	+1.06	14.18	+10.23	2.57	-0.02	3.43	-0.40	0.46	-2.40	4.27	+1.42	5.75	-0.16	2.54		56.26	+9.23
Salvisa, Lock No. 6	3.84	1.15	2.98	0.48	2.50	0.65	3.25	-0.08	3.56	+0.35	13.66	+9.07	7.00	+2.82	3.64	-0.26	2.46	-2.10	4.37	+1.42	5.75	-0.16	2.54		62.01	+14.98
Scott	2.14	1.51	3.03	-0.58	0.99	-3.56	4.58	+0.81	1.96	-2.73	9.85	-0.3	3.24	-0.98	3.11	-1.82	0.56	-2.47	4.15	+1.20	3.86	-0.25	2.32	-2.06	47.01	+1.34
Shelbyville	2.74	1.47	2.52	1.28	3.17	-1.78	0.24	-3.85	6.10	+0.87	5.17	7.56	3.15	1.15	0.44	0.98	2.64	-3.97	0.42	-2.76	1.64	-2.52	1.64	-3.04	46.21	-1.55
Taylorsville	3.04	-1.45	2.31	-1.15	3.13	-1.51	2.70	-1.67	3.48	-0.14	12.24	-7.35	4.46	-0.19	5.57	+1.70	1.11	-2.30	3.77	+2.80	4.35	-0.52	2.55		55.58	+3.78
Tyrone, Lock No. 5	2.65	2.70	2.69	0.80	1.84	1.09	3.85	-0.95	2.27	-1.25	12.24	-7.35	4.46	-0.19	5.57	+1.70	1.11	-2.30	3.77	+2.80	4.35	-0.52	2.55		55.58	+3.78
Valleytown	2.58	-3.25	2.27	0.46	2.57	-1.81	4.12	-1.78	1.77	-1.79	7.81	+3.40	3.65	-1.37	3.51	+0.47	0.57	-2.51	4.13	+0.40	4.43	-0.24	2.64	-2.24	48.87	-1.94
Woodberry, Lock No. 4	2.42	2.65	2.78	-0.78	2.21	3.14	2.96	-1.58	4.65	0.62	13.61	+9.43	6.23	+2.25	2.48	-2.69	0.18	-2.74	3.57	-0.21	3.45	-0.64	2.52	-2.36	48.87	-0.42
EASTERN DIVISION.																										
Ashland	2.61	2.69	2.40	0.65	3.46	0.91	3.93	+0.49	2.18	-1.77	7.64	+4.13	2.35	-1.7	6.25	+1.54	1.1	-1.41	2.38	-0.43	3.29		1.75	-1.74	47.61	-3.5
Beattyville	2.84	-2.16	1.83	-2.04	3.14	-1.53	0.56	-0.59	3.63	-1.24	10.56	+6.94	6.92	-2.13	1.58	-0.16	1.41	-2.53	4.51	+1.73	3.04	-1.26	1.49	-2.74	46.21	-1.55
Berea	2.68	2.67	2.02	-1.59	2.80	-1.77	3.76	-0.16	3.82	-0.24	9.41	+4.80	6.84	-2.22	5.75	+1.04	1.41	-2.53	4.51	+1.73	3.04	-1.26	1.49	-2.74	46.21	-1.55
College Hill, Lock No. 12	2.26	-2.78	2.08	-0.68	3.43	-1.53	3.93	-0.49	2.18	-1.77	7.64	+4.13	2.35	-1.7	6.25	+1.54	1.1	-1.41	2.38	-0.43	3.29		1.75	-1.74	47.61	-3.5
Cynthiana	2.10	1.02	2.11	0.74	2.81	-1.55	3.26	-0.82	3.76	-0.26	8.52	+3.91	4.26	-1.18	3.47	-0.77	1.13	-2.56	3.21	-0.65	4.01	-1.89	1.55	-2.68	43.41	-2.49
Danville	2.15	1.43	2.17	1.02	2.74	-1.59	3.77	-0.65	2.48	-1.46	7.79	+3.28	3.26	-0.45	1.57	-1.03	0.88	-1.72	3.92	+0.85	3.64	-1.52	1.47	-2.76	43.41	-2.49
Farmers	2.97	-1.52	2.26	0.75	3.17	1.26	2.80	1.26	1.41	+0.56	8.56	+3.95	2.46	-1.98	2.13	-0.88	1.02	-2.63	3.92	+0.85	3.64	-1.52	1.47	-2.76	43.41	-2.49
Georgetown	3.50		3.30		3.27		3.64		2.63		11.40		3.47		3.32		0.68		3.66		3.03		2.52		48.32	
Gold, Lock No. 10	2.54	2.25	2.45	-0.36	2.52	1.66	2.88	1.40	2.44	-0.55	9.14	5.49	6.84	-2.12	6.40		1.19	-2.65	3.10		3.61		1.84		55.17	
Grayson	2.42		2.58		2.58		3.22		3.03		9.23		3.47		3.32		1.02		3.66		3.03		2.52		48.32	
Greenup, Dam 30	2.42		2.91		2.91		4.16		1.72		7.17		3.03		3.84		1.82		3.66		3.03		1.98		42.28	
Izard	2.70		1.48		3.53		6.14		3.11		7.17		3.03		3.84		1.82		3.66		3.03		1.98		42.28	
Jeffersonville	2.71	-2.07	2.11	1.29	3.57	0.65	3.91	1.15	3.66	-0.88	11.29	7.42	7.64	+2.62	4.76	+0.91	1.54	-2.17	2.58	-1.27	3.61	-1.84	2.16	-2.43	52.38	+6.47
Lindman	2.80		1.54		3.34		6.46		2.45		8.57															
Jenkins	1.21		2.26		2.73		6.55		1.71		7.51															
Junior	2.48	-1.22	1.62	1.71	3.52	0.52	4.17	+0.82	2.86	-1.21	9.01	+5.64	3.13	-0.39	1.83	-0.95	1.45	-2.45	4.87	+1.19	3.41	-1.64	1.87	-2.65	47.61	-3.5
Maysville	2.21	-1.78	2.42	0.78	2.94	-1.88	3.25	0.27	0.91	-3.01	6.11	+2.70	3.67	-0.75	1.83	-0.95	1.45	-2.45	4.87	+1.19	3.41	-1.64	1.87	-2.65	47.61	-3.5
Middlesboro	1.66	2.67	1.32	2.39	5.40	0.18	6.75	-2.66	5.10	+0.92	9.81	3.28	3.58	-2.92	5.10	+0.92	9.81	3.28	3.58	-2.92	5.10	+0.92	9.81	3.28	3.58	-2.92
Mount Sterling	3.23	0.70	3.69	-0.50	2.40	-3.21	3.85	-0.57	3.49	0.75	9.27	4.49	7.54	+2.42	2.66	-1.61	1.37	-2.57	3.91	+0.10	3.61	-1.77	2.02	-2.90	46.64	-1.12
Mounts, Dam No. 35	2.84		3.47		2.12		4.46		1.48		11.40		3.46		3.32		0.68		3.66		3.03		2.52		48.32	
Oakville	2.38	1.77	2.82		3.04	1.03	7.05	+3.46	4.90	1.52	4.60	1.39	4.08	+0.46	5.04	0.97	2.08	-0.82	4.08	+1.40	3.61	-1.77	2.02	-2.90	46.64	-1.12
Prestonsburg	1.52		1.65		3.96		5.49		3.49		7.77		3.46		3.32		0.68		3.66		3.03		2.52		48.32	
Quicksand	2.27		2.76		4.80		5.49		3.49		7.77		3.46		3.32		0.68		3.66		3.03		2.52		48.32	
Raccoon, Lock No. 12	2.60	0.66	2.15	0.87	2.58	1.26	2.58	0.56	2.58	1.41	12.46	7.66	2.82	2.09	1.26	1.58	1.26	2.48	4.22	1.18	2.58	1.41	12.46	7.66	2.82	2.09
Richmond	2.67	+1.84	2.25	1.59	2.83	1.55	2.27	1.44	3.42	0.16	10.27	5.47	4.42	+0.66	4.42	+0.66	4.42	+0.66	4.42	+0.66	4.42	+0.66	4.42	+0.66	4.42	+0.66
Sargent	2.83		3.07		2.84		4.54		2.36		9.27		3.46		3.32		0.68		3.66		3.03		2.52		48.32	
Valley View, Lock No. 9	2.58	-2.48	1.84	-1.34	2.45	-1.87	2.95	-1.43	3.24	-0.24	10.07	6.11	1.75	-1.75	1.75	-1.75	1.75	-1.75	1.75	-1.75	1.75	-1.75	1.75	-1.75	1.75	-1.75
Vanceburg, Dam No. 32	1.53	-2.83	2.79	-1.11	3.20	-1.06	3.77	-0.11	3.51	-2.58	8.46	+1.36	3.42	-0.99	3.42	-0.99	3.42	-0.99	3.42	-0.99	3.42	-0.99	3.42	-0.99	3.42	-0.99
Vanceburg	2.85		0.88		5.48		5.93		6.01		5.47		3.46		3.32		0.68		3.66		3.03		2.52		48.32	
Wheelersburg	2.26	0.93	1.55	2.01	4.45	0.33	5.62	1.05	6.09	2.89	11.15	6.29	3.46		3.32		0.68		3.66		3.03		2.52		48.32	
Willow, Lock No. 13	2.11		1.75	+0.76	2.22		3.96	0.48	2.59	0.46	9.19	4.38	3.46		3.32		0.68		3.66		3.03		2.52		48.32	

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all records are used in computing the means for the various state, section or division means.

† Records of these stations are incomplete and not used in computing section or division means.

‡ Rotoway, Brawner Elk and Woolsey are Locks on the canal; for other Locks see Locks and Dams.

Monthly and Annual Mean Temperatures for the Year 1928, with Departures from the Normal.

Station	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
WESTERN DIVISION.																										
Beaver Dam	36.0	+ 0.4	40.4	+ 4.2	46.1	- 1.5	55.6	- 0.3	65.9	- 0.4	71.7	- 2.5	79.2	+ 1.4	79.0	+ 2.6	67.2	- 3.7	64.2	+ 5.5	47.8	+ 0.9	41.2	+ 4.1	57.9	+ 0.9
Bardwell	36.0	+ 2.0	39.8	+ 8.0	47.2	- 0.1	53.8	- 3.6																		
Blandville	36.4	- 0.8	40.2	+ 2.5	47.6	- 1.4	54.0	- 3.8	65.4	- 1.7	70.0	- 5.4	78.6	+ 0.6	77.9	+ 0.3	66.8	- 5.2	62.6	+ 2.6	47.8	- 0.4	41.4	+ 3.2	57.5	- 0.7
Calhoun	36.4	- 0.3	40.2	+ 2.9	47.6	- 1.4	54.0	- 3.8	65.4	- 1.7	70.0	- 4.5	79.2	+ 0.8	79.4	+ 2.3	67.6	- 4.1	62.6	+ 3.3	47.4	- 0.5	41.6	+ 3.1	57.6	- 0.6
Earlington	36.3	+ 1.0	40.1	+ 3.8	46.6	- 0.7	55.0	- 2.3	65.8	- 1.4	71.2	- 4.5	79.2	+ 0.8	79.4	+ 2.3	67.5	- 4.2	62.9	+ 3.6	47.2	- 0.6	40.8	+ 2.1	57.2	- 0.4
Greenville	35.4	+ 0.8	39.8	+ 0.5	46.2	- 2.0	54.2	- 3.2	64.8	+ 0.1	*71.0	- 3.9	*78.6	+ 1.5	*77.8	+ 1.1	67.2	- 3.8	62.9	+ 3.6	47.8	- 0.7	41.3	+ 2.8	57.7	- 0.7
Hopkinsville	36.4	- 1.1	40.2	+ 1.8	47.0	- 2.3	54.6	- 2.7	64.6	- 2.5	69.8	- 5.7	78.8	- 0.0	79.8	+ 1.9	68.6	- 3.5	63.7	+ 3.1	47.8	- 0.7	41.2			
Madisonville											70.4		78.6		78.2		67.8		64.0		48.8		41.6			
Owensboro	35.9	+ 0.1	39.5	+ 2.5	47.4	- 1.1	53.8	- 3.8	66.0	- 0.7	70.4	- 4.6	80.6	+ 2.7	78.4	+ 0.1	65.0	- 5.4	63.4	+ 3.3	47.6	- 0.7	41.3	+ 3.8	57.6	- 0.2
Paducah	36.4	- 0.1	40.2	+ 1.8	47.0	- 2.3	54.6	- 3.2	66.6	+ 0.4	70.7	- 4.0	80.0	+ 0.1	79.9	+ 2.5	69.4	- 2.6	66.0	+ 6.2	48.4	- 0.8	41.8	+ 1.9	58.9	+ 0.6
Marion	35.9	+ 0.1	39.5	+ 2.5	47.4	- 1.1	53.8	- 3.8	66.0	- 0.7	70.4	- 4.6	80.6	+ 2.7	78.4	+ 0.1	65.0	- 5.4	63.4	+ 3.3	47.6	- 0.7	41.3	+ 3.8	57.6	- 0.2
Mayfield	36.4	- 1.1	40.2	+ 1.8	47.0	- 2.3	54.6	- 3.2	66.6	+ 0.4	70.7	- 4.0	80.0	+ 0.1	79.9	+ 2.5	69.4	- 2.6	66.0	+ 6.2	48.4	- 0.8	41.8	+ 1.9	58.9	+ 0.6
Murray	38.8	+ 2.2	42.0	+ 4.0	48.5	- 2.4	54.6	- 3.2	66.6	+ 0.4	70.7	- 4.0	80.0	+ 0.1	79.9	+ 2.5	69.4	- 2.6	66.0	+ 6.2	48.4	- 0.8	41.8	+ 1.9	58.9	+ 0.6
Owensboro	35.9	+ 0.1	39.5	+ 2.5	47.4	- 1.1	53.8	- 3.8	66.0	- 0.7	70.4	- 4.6	80.6	+ 2.7	78.4	+ 0.1	65.0	- 5.4	63.4	+ 3.3	47.6	- 0.7	41.3	+ 3.8	57.6	- 0.2
Paducah (west)	36.4	- 1.1	40.2	+ 1.8	47.0	- 2.3	54.6	- 2.7	64.6	- 2.5	69.8	- 5.7	78.8	- 0.0	79.8	+ 1.9	68.6	- 3.5	63.7	+ 3.1	47.8	- 0.7	41.2			
Princeton	36.4	- 1.1	40.2	+ 1.8	47.0	- 2.3	54.6	- 2.7	64.6	- 2.5	69.8	- 5.7	78.8	- 0.0	79.8	+ 1.9	68.6	- 3.5	63.7	+ 3.1	47.8	- 0.7	41.2			
Russellville	34.5	- 1.0	38.2	+ 0.5	*45.6	- 3.2	52.8	- 5.2	*64.9	- 1.0	70.0	- 4.9	76.0	+ 0.3	*78.2	+ 0.5	67.0	- 4.5	*59.8	+ 0.4	45.8	- 1.5	38.6	+ 0.2	56.1	- 0.1
CENTRAL DIVISION.																										
Ashland	32.6	- 0.4	35.4	+ 2.4	42.2	- 2.9	*50.6	- 2.6	61.6	- 2.5	67.6	- 4.3	75.5	- 0.5	75.2	+ 0.5	62.6	- 5.9	59.8	+ 3.0	45.6	+ 1.3	36.6	+ 3.0	53.8	- 0.7
Beattyville	34.6	- 0.7	37.8	+ 2.1	45.6	- 1.3	53.0	- 2.6	62.8	- 3.2	69.5	- 5.0	76.9	- 3.8	77.0	0.0	65.6	- 5.9	62.2	+ 3.1	47.6	+ 0.9	39.4	+ 2.6	56.0	- 1.2
Bracken	35.2	+ 0.2	39.4	+ 2.8	47.8	- 0.7	56.0	- 2.8	66.0	- 1.4	71.4	- 4.4	78.9	0.0	79.1	+ 0.8	68.5	- 3.7	63.2	+ 4.4	48.9	- 1.3	41.4	+ 2.9	58.3	+ 0.2
Bowling Green	32.7		36.2				53.0		63.0		70.6		76.4		77.2		65.8		62.8		47.1					
Big Bone	34.2	- 0.8	38.7	+ 3.9	46.5	+ 0.4	53.4	- 0.9	62.4	- 1.6	69.2	- 2.2	75.2	+ 0.3	76.2	+ 2.4	66.0	- 2.5	61.6	+ 4.1	46.2	+ 1.1	39.3	+ 2.9	55.7	+ 0.6
Eubank	35.6	- 0.4	37.4	+ 1.5	45.3	- 1.3	52.9	- 2.4	63.2	- 2.0	70.2	- 3.4	76.7	- 0.2	77.2	+ 1.4	64.8	- 3.7	61.4	+ 4.3	47.8	- 0.4	39.2	+ 2.8	56.0	- 0.1
Frankfort	38.4	+ 0.2	41.5	+ 2.5	48.7	- 0.9	54.5	- 4.7	65.5	- 1.2	72.2	- 3.0	80.0	+ 2.2	80.0	+ 3.2	68.2	- 3.7	61.4	+ 1.2			*42.6	+ 2.4		
Franklin			38.6		43.8																					
Grayson	34.0	- 0.7	37.4	+ 2.5	45.0	- 1.6	52.0	- 3.2	61.2	- 3.6	68.8	- 4.5	76.0	+ 0.6	75.9	+ 0.6	62.4	- 7.2	58.9	+ 1.8	46.4	+ 1.2	38.6	+ 2.3	54.7	- 1.1
Greenup	35.0	- 0.6	38.1	+ 2.6	45.5	- 1.7	53.0	- 2.9	63.0	- 2.9	70.0	- 3.9	76.6	- 0.7	76.6	+ 0.5	63.2	- 5.9	61.8	+ 5.1	47.4	- 0.8	39.6	+ 2.9	56.0	- 0.5
Irvington	35.6	+ 0.5	37.4	+ 2.8	46.2	+ 0.1	52.6	- 2.3	61.2	- 3.4	68.6	- 3.5	75.6	+ 0.2	75.8	+ 1.3	63.7	- 5.6	62.4	+ 3.3	47.0	+ 1.5	40.1	+ 3.5	56.1	0.0
Junction City	35.2	+ 0.2	38.0	+ 2.8	44.8	- 1.7	53.0	- 2.4	63.9	- 1.2	68.8	- 5.4	76.8	+ 0.2	77.4	+ 1.8	66.2	- 3.6	62.4	+ 3.3	47.0	+ 1.5	40.1	+ 3.5	56.7	- 0.8
Louisville	35.2	+ 0.2	38.0	+ 2.8	44.8	- 1.7	53.0	- 2.4	63.9	- 1.2	68.8	- 5.4	76.8	+ 0.2	77.4	+ 1.8	66.2	- 3.6	62.4	+ 3.3	47.0	+ 1.5	40.1	+ 3.5	56.7	- 0.8
Lexington	32.6	- 0.3	35.5	+ 0.1	42.1	- 1.6	50.6	- 3.7	62.2	- 2.1	67.2	- 5.0	75.8	- 0.1	75.2	+ 0.7	61.2	- 4.3	61.0	+ 3.6	44.9	+ 0.1	39.4	+ 3.6	55.5	- 1.5
Louisville	33.6	- 0.8	36.4	- 0.9	44.0	- 1.4	52.3	- 4.1	63.7	- 2.9	69.1	- 5.6	77.3	- 1.3	77.0	0.0	65.8	- 4.7	63.4	+ 2.1	46.9	+ 0.2	37.8	+ 1.7	54.9	- 1.0
Louisville	34.2	- 0.4	36.7	+ 1.0	45.0	- 1.0	52.4	- 3.7	62.3	- 2.8	68.5	- 4.5	74.6	- 1.4	75.0	+ 0.3	64.0	- 4.9	60.2	+ 2.5	46.9	+ 0.2	38.8	+ 2.1	54.9	- 0.3
Louisville, Cherokee Park	34.2	- 0.4	36.7	+ 1.0	45.0	- 1.0	52.4	- 3.7	62.3	- 2.8	68.5	- 4.5	74.6	- 1.4	75.0	+ 0.3	64.0	- 4.9	60.2	+ 2.5	46.9	+ 0.2	38.8	+ 2.1	54.9	- 0.3
St. John	34.7	- 0.1	37.0	+ 2.5	45.8	+ 0.3	51.0	- 3.6	61.4	- 2.9	68.2	- 4.5	77.7	+ 1.7	76.7	+ 1.8	63.8	- 5.5	59.6	+ 1.9	45.8	+ 0.1	37.4	+ 1.7	53.8	- 1.1
Scott	31.8	- 0.5	33.6	+ 1.4	41.8	- 1.9	49.8	- 3.4	60.8	- 2.6	66.4	- 5.3	77.4	- 2.5	74.5	- 0.3	63.2	- 5.9	61.2	+ 3.2	45.4	+ 0.6	37.4	+ 3.7	53.3	- 1.6
Shelbyville	32.2	- 1.2	34.6	+ 0.8	42.4	- 2.5	50.2	- 4.5	60.4	- 4.2	66.9	- 6.6	74.6	- 2.3	75.0	- 0.5	63.4	- 5.8	60.6	+ 3.4	45.2	+ 0.8	37.6	+ 2.2	53.6	- 1.6
Taylorsville	33.4	- 0.8	36.6	+ 0.6	43.7	- 2.9	51.3	- 3.2	61.4	- 3.2	68.6	- 3.9	*76.2	+ 0.1	75.5	+ 1.2	63.8	- 4.2	*60.2	+ 3.9	46.2	+ 1.4	38.6	+ 2.8	54.6	- 0.7
Versailles	32.0	- 0.4	34.4	- 2.4	42.1	- 2.5	50.4	- 2.4	62.4	- 1.2	68.0	- 3.2	75.6	- 0.1	75.8	+ 1.6	61.4	- 1.2			41.6	- 0.5	37.1	+ 3.0		
Williamstown																										
EASTERN DIVISION.																										
Ashland	36.3	+ 1.1	38.7	+ 1.9	45.4	- 2.2	51.1	- 4.7	62.6	- 1.9	69.0	- 4.8	78.0	- 0.1	76.8	+ 1.3	63.6	- 6.8	59.7	+ 2.0	45.8	- 1.1	37.8	- 1.5	55.2	- 1.1
Ashland	33.8	- 1.1	37.2	- 1.5	43.8	- 2.1	*52.0	- 2.5	62.0	- 2.2	68.4	- 4.3	76.0	+ 0.1	76.6	+ 1.5	64.2	- 5.6	60.6	+ 2.2	45.4	+ 0.1	38.2	- 2.5	54.8	- 0.8
Beattyville	36.0	- 0.4	38.8	+ 1.4	45.6	- 1.5	52.4	- 2.9	61.8	- 3.4	68.9	- 4.0	75.1	- 1.0	75.4	+ 1.0	65.0	- 4.3	63.1	+ 4.5	47.6	+ 0.9	40.5	+ 4.2	55.8	- 0.5
Berea	33.1	- 2.1	36.8	+ 0.2	43.6	- 1.7	*49.2	- 5.5	*59.6	- 3.2	*65.4	- 6.3	*74.0	- 0.7	*74.8	+ 0.5	*60.1	- 6.8	58.6	+ 1.9	46.3	+ 1.2	*38.4	+ 3.8		
Farmers	32.8	- 0.1	34.4	- 0.3	42.6	- 2.9			60.8	- 2.8	69.1	- 4.1	76.2	- 0.6	76.4	+ 0.8	63.7	- 6.0	60.7	+ 3.2	45.2	+ 2.1	*38.4	+ 3.8		
Maysville	37.8	- 1.4	41.9	+ 2.1	50.6	+ 1.5	57.6	+ 1.0	64.2	0.0	71.1	- 1.3	76.8	+ 2.0	*77.2	+ 3.0	68.3	- 0.6	61.4	+ 4.0	47.5	+ 1.5	38.5	+ 0.1	57.7	+ 1.0
Middlesboro	32.2	- 1.4	35.8	+ 2.4	42.4	- 1.8	50.2	- 3.4	61.6	- 2.5	68.4	- 4.4	74.9	- 0.9	75.6	+ 1.5	62.6	- 5.0	58.9	+ 3.3	43.9	- 0.1	37.0	+ 2.1	53.6	- 0.8
Mt Sterling	35.6		38.6		45.2		53.4		62.8		70.8		*78.1		77.8		*64.6		60.7		46.6		39.0		56.1	
Quicksand	31.4	+ 0.1	36.9	+ 1.6	42.0	- 3.4	52.6	- 3.3	64.4	- 1.2	69.4	- 4.1	77.0	+ 0.3	77.7	+ 2.2	67.3	- 3.2	64.6	+ 5.6	48.5	+ 1.7	42.6	+ 4.9	56.4	+ 0.2
Richmond	36.2		39.7		46.6		53.4		61.7		68.5		75.4		76.2		65.9									
Sargent	37.8	- 0.4	40.8	+ 2.0	47.6	+ 0.5	55.2	- 1.3	63.9	- 1.9	71.8	- 2.0	77.2	+ 0.6	77.6	+ 1.6	65.8	- 4.7	61.6	+ 1.9	48.4	+ 1.1	41.3	+ 2.2	57.4	0.0
Williamsburg																										

All temperature data are taken from self registering thermometers.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining the State or division means.

Reference letters, as, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1928.

Stations.	Last in Spring.	First in Autumn.
WESTERN DIVISION.		
Beaver Dam	April 16	Sept. 24
Blandville	do 16	do
Calhoun	do 16	do 26
Greenville	do 16	do 24
Hopkinsville	do 16	do 24
Marion	do 16	Oct. 30
Mayfield	do 16	do 30
Owensboro	do 28	Sept. 24
Paducah	do 16	Oct 21
Princeton	do 16	do 31
Russellville	do 16	Sept 24
CENTRAL DIVISION.		
Ashland	April 16	Sept 24
Beattyville	do 26	do 24
Bracken	do 16	Oct 31
Bowling Green	do 26	Sept 26
Big Bone	do 28	do 24
Eubank	do 26	do 26
Frankfort	do 26	do
Grayson	do 16	
Greenup	do 28	do 24
Irvington	April 16	Sept. 26
Junction City	do 28	do 24
Louisville	do 16	do 24
Lexington	do 16	do 26
Louisville	do 16	do 26
Do, Cherokee Park	do 16	do 26
St. John	do 26	do 26
Scott	do 28	do 24
Shelbyville	do 26	do 24
Taylorsville	do 26	do 26
Williamstown		
EASTERN DIVISION		
Ashland	April 26	Sept. 26
Beattyville	do 26	do 26
Berea	do 28	do 26
Farmers	do 29	do 24
Hindman	do 29	
Mount Sterling	do 26	do 24
Richmond	do 26	do 28
Sargent	do 29	do 26
Williamsburg	do 28	do 26

NOTE.—Tables and charts giving climatic data for Kentucky in detail during 1928 have been published for each month at the Kentucky section center. Weather Bureau, Louisville, Ky., and can be obtained from the Official in charge at that office. Indexes to special articles published during past years will be found in the Monthly Report for June, 1928.

MONTHLY SUMMARIES, 1928.

Month	Temperature				Precipitation		Average number of days			
	State average.	Departure.	Highest.	Lowest.	State average.	Departure.	With 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.
January	35.0	- 0.5	76	- 8	2.47	- 1.98	8	14	7	10
February	38.1	+ 2.1	72	5	2.58	- 0.97	10	11	4	14
March	45.6	- 0.8	85	12	2.64	- 2.05	8	12	8	11
April	52.9	- 3.0	83	21	4.20	+ 0.17	11	9	9	12
May	63.2	- 2.4	94	28	3.55	- 0.45	9	16	7	8
June	69.5	- 4.4	93	45	10.88	+ 6.63	18	7	10	13
July	77.0	+ 0.1	100	56	4.07	- 0.07	8	17	10	4
August	77.0	+ 1.1	101	54	4.33	+ 0.60	11	14	10	7
September	65.5	- 4.8	99	24	0.81	- 2.02	3	20	6	4
October	61.6	+ 3.5	95	21	3.83	+ 1.16	8	17	7	7
November	46.8	+ 0.5	78	10	3.93	+ 0.26	10	10	6	14
December	39.5	+ 1.9	72	5	2.32	- 1.71	7	17	5	9
Annual means and extremes	55.6	- 0.5	101	- 8	45.61	- 0.23	111	166	89	111

*Compared with 40 years' normal.

Average State fall.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., JANUARY, 1929 No. 1

GENERAL SUMMARY.

Although the month averaged colder than normal, temperatures were characterized by marked variability and decided extremes. There were two short periods in the first half when temperatures fell to zero or lower at many northern stations. The last of these was followed by a sharp rise in temperature near the record highest on the 18th, which ushered in a week of unseasonably warm weather, with severe windstorms in most districts. The month closed with another decidedly cold period of several days in which temperatures near zero were again registered at many stations. These sharp changes, with the attending thaws and freezes, were unfavorable for winter grains. Some heaving, with moderate injury, occurred on the heavy and slow draining soils, where late wheat seems to have suffered considerable damage. Apparently, however, injury was not as extensive as the character of the weather would indicate, due to the fairly good drainage of the surface layers of the soil immediately preceding the severe freezes, which lessened the lifting effect, and also to the rather long periods during which the soil remained frozen without change. Wheat and rye made some growth in the warm week. At the time of lowest temperature on the 13th and 14th, there was some light snow cover in the northern counties. Snowfall was light and largely melted as it fell. Precipitation was near normal in amount, but its frequent occurrence hindered outdoor work and kept the fields so wet that they could be entered with difficulty. This frequency, with the resulting high humidity, favored the handling of tobacco. The crop was moved to market quite rapidly, despite the bad condition of the dirt roads. The low temperature at times necessitated special care of livestock, but in general the weather was more favorable than usual in this mid-winter month.

TEMPERATURE.

An average of the records of 42 stations gave a State mean temperature of 34.8°, which is slightly below normal. Changeable conditions prevailed during the first decade, after which the periods with temperature of the same character were quite lengthy. Maxima above 70° were registered at many stations on the 18th, and 69° to 76° on the 22d. Minima below zero occurred at several northeastern stations on the 15th. Extremes for the State were 76 on the 18th at Mayfield and 19th at Ashland, and 6 at Scott on the 14th.

PRECIPITATION.

The records of 82 stations show a precipitation average for the State of 4.54 inches, which is slightly above normal. Moderate to heavy rains occurred on the 1st, 10th, 19th, and 24-25th, otherwise daily amounts were generally light. There were but few days on which measurable precipitation was not reported from some station. Snow occurred frequently but amounts were light and soon melted. It ranged from flurries in the southern and western counties to 5.0 inches in the extreme northeastern districts. Areal distribution of precipitation was quite irregular. Amounts greater than 5.0 inches occurred in areas limited to a few counties in the lower Ohio Valley, the Green River Valley, the upper basin of the Kentucky, and the western bluegrass region. In most other districts amounts ranged between 3.0 and 4.5 inches, decreasing irregularly toward the eastern counties. Precipitation varied between 2.16 inches at Willow, Lee County, and 7.20 inches at Lone Oak near Paducah. Thunderstorms were reported on the 5th, 18th, and 24th.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. (In inches reduced to sea level.) Average.	Highest.	Date.	Lowest.	Date.	Wind.* Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.14	30.56	7	29.20	18	7276	9.8	48	sw.	18
Cincinnati ..... Ohio	30.12	30.58	4	29.14	18	6437	8.2	52	sw.	18
Evansville ..... Ind.	30.15	30.60	7	29.24	18	5460	10.1	42	w.	18
Lexington ..... Ky.	30.11	30.58	4	29.28	13	10221	13.7	48	sw.	18
Louisville ..... Ky.	30.16	30.60	8	29.15	18	8887	10.9	48	sw.	18

*For any five minute period. †By S. C. Lo and S. Cincinnati beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	84	56	71	153.6	308.4	50	8	8
Cincinnati ..... Ohio	87	73	79	116.1	263.4	38	6	14
Evansville ..... Ind.	80	62	65	133.5	265.9	44	7	11
Lexington ..... Ky.	85	57	..	89.0	305.9	29	3	19
Louisville ..... Ky.	82	70	75	140.8	305.9	46	11	11

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature. Monthly average.	Departure from 40-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 40-year normal.	No. of days with .01 in or more.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	28.0	+2.6	65	13	3.52	−0.83	..	..	..	..	....
1890...	44.0	+8.6	77	10	6.43	+2.08	..	..	..	..	....
1891...	37.0	+1.6	68	14	5.40	+1.05	..	..	..	..	....
1892...	30.4	−5.4	65	−16	2.52	−1.63	..	..	..	..	....
1893...	26.9	−9.3	67	−22	2.08	−2.27	..	..	..	..	....
1894...	38.0	+2.6	75	−12	2.91	−1.44	..	..	..	..	....
1895...	30.0	−5.4	78	−16	5.51	+1.36	11	8	8	15	....
1896...	36.1	+0.7	74	−3	1.25	−3.10	6	9	7	15	....
1897...	32.0	−3.4	75	−16	3.25	+1.10	8	11	8	12	4.2
1898...	39.4	+3.9	72	6	8.76	+4.41	12	8	8	15	1.4
1899...	34.4	−1.0	68	−18	6.23	+1.88	11	9	8	14	5.5
1900...	37.2	+1.8	77	−8	2.80	−1.55	8	12	8	11	6.9
1901...	30.7	+1.3	55	4	1.85	−2.50	7	12	7	12	6.8
1902...	33.7	−1.7	70	5	5.11	+0.79	7	11	5	15	2.5
1903...	34.8	−0.6	82	−2	2.50	−1.85	9	11	5	14	2.8
1904...	32.3	−3.1	70	−9	3.17	−1.18	10	13	5	13	2.7
1905...	27.5	−7.9	70	−15	2.83	−1.52	11	10	5	16	12.8
1906...	39.7	+4.3	80	−9	3.48	−0.87	8	11	6	14	3.1
1907...	19.2	−16.2	51	−31	8.02	+3.67	14	7	6	18	4.8
1908...	35.0	−0.4	62	7	2.29	−2.15	8	13	5	13	1.0
1909...	..	+2.9	77	−8	3.37	−0.88	9	5	6	20	5.7
1910...	23.8	−1.6	70	−20	4.31	+0.06	10	9	5	17	11.0
1911...	38.7	+1.5	73	−16	2.88	−1.47	11	7	4	20	4.4
1912...	29.9	−9.5	61	−20	3.93	−1.26	8	13	4	14	11.7
1913...	42.4	+7.1	76	13	11.41	+7.06	14	8	6	17	1.1
1914...	35.4	+4.0	70	5	2.31	−2.04	6	9	7	15	1.0
1915...	33.0	−2.4	65	0	5.03	+0.68	13	8	7	16	7.6
1916...	44.2	+8.8	78	−5	7.27	+2.92	14	9	6	16	3.7
1917...	36.7	+1.3	64	−17	6.58	+2.23	12	8	8	15	12.0
1918...	26.6	−14.8	62	−20	5.09	+0.74	11	9	7	15	23.3
1919...	37.9	+2.5	68	1	3.62	−0.73	7	16	6	9	1.6
1920...	33.4	−2.0	72	−6	6.75	+2.40	10	10	6	15	0.7
1921...	36.7	+1.3	71	12	3.66	−1.29	10	7	7	14	4.0
1922...	34.6	−0.8	67	1	2.25	−2.10	8	12	8	12	1.1
1923...	41.9	+5.5	78	11	6.31	+1.76	12	8	6	17	1
1924...	31.3	−4.1	66	−8	5.15	+0.70	9	18	5	11	1.2
1925...	35.8	+0.4	68	−9	2.60	−1.75	10	12	8	11	4.1
1926...	34.4	−1.0	69	11	3.01	−0.34	10	12	5	14	7.1
1927...	33.0	−2.4	76	−3	6.33	+2.98	12	13	6	12	2.2
1928...	25.9	−9.4	76	−8	2.47	−1.88	8	14	7	10	1.9
1929...	34.8	−0.6	76	6	4.54	+0.19	13	9	7	15	1.8

Climatological Data for January, 1929.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	25	36.6	+ 1.0	72	18	10	14	38	4.47	+0.20	0.95	.....	13	11	9	11	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	25	35.3	− 1.4	72	18	12	25	37	5.82	+0.94	1.50	0.3	14	5	17	9	sw.	W. A. Taylor.
Earlington	Hopkins	420	39	36.0	+ 0.7	72	18	10	14	41	6.45	+1.97	2.06	T.	13	13	4	14	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	..	.....	.....	.....	.....	.....	.....	.....	6.95	.....	2.45	T.	15	.....	.....	.....	.....	P. H. McGinnis.
Greenville	Muhlenburg	519	12	[a]36.0	+ 0.4	72[c]	18	9[c]	14	43[c]	3.20	−1.14	0.76	.....	10	12[c]	6[c]	10[c]	s.	C. R. Lovell.
Hopkinsville	Christian	524	33	36.8	− 0.7	73	18	11	14	44	4.72	−0.47	0.92	T.	13	5	3	23	n.	W. E. Graves.
Lancaster	Ballard	.....	...	34.7	.....	70	18	11	26	35	6.64	.....	3.20	.....	12	11	7	13	sw	B. Sallee.
Lawrenceville	Crittenden	571	31	35.2	− 0.6	70	19	10	14	41	4.70	+0.07	1.55	.....	4	10	12	9	n.	B. C. Paris.
Marion	Crittenden	364	20	37.0	+ 0.4	76	18	12	25	44	4.08	+0.05	1.67	.....	7	9	6	16	ne.	Mrs. C. R. Sowell.
Mayfield	Graves	412	8	37.6	.....	72	18	13	27	46	5.88	.....	1.23	0.0	8	8	13	10	s.	Harry B. Arnold
Murray	Calloway	479	32	32.2	− 2.7	71	18	3	14	38	4.50	+0.41	1.50	1.0	15	11	5	15	nw.	Henry S. Berry.
Owensboro	Daviess	404	...	.....	.....	.....	.....	.....	.....	.....	6.07	.....	1.93	0.5	17	.....	.....	.....	.....	George McGlemary.
Owensboro, Dam 46	Daviess	404	...	.....	.....	.....	.....	.....	.....	.....	7.90	+2.74	3.30	.....	11	10	5	16	nw	J. W. Lilley
Paducah near 8	McCracken	516	12	35.8	− 0.1	70	18	12	27	37	7.40	+2.94	3.40	T.	11	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	40	.....	.....	.....	.....	.....	.....	.....	4.86	+0.61	1.48	T.	14	9	10	12	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	22	[a]33.7	− 1.9	71[b]	18	9[d]	14	39[d]	5.03	+1.42	1.45	T.	10	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville, Lock 2	McLean	384	12	.....	.....	.....	.....	.....	.....	.....	4.63	−0.69	1.23	.....	11	7[c]	15	16[c]	.....	Wm. Shelton.
Russellville	Logan	590	18	[a]35.6	+ 0.1	72[c]	17[c]	11[c]	10[c]	40[c]	5.44	.....	1.87	0.5	16	.....	.....	.....	.....	H. R. Sale.
Uniontown, Dam 49	Union	357	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Addison, Dam 45	Breckinridge	352	...	.....	.....	.....	.....	.....	.....	.....	5.17	.....	1.82	1.0	15	.....	.....	.....	.....	C. L. Moore.
Ammerage	Jefferson	700	28	[a]31.2	− 1.8	70[b]	18	− 4[c]	14	35[b]	4.98	+0.90	1.68	1.5	12	14[b]	1[c]	14[c]	se.	C. E. Barret.
Bardstown	Nelson	687	32	34.8	− 0.5	71	18	4	14	43	4.46	+0.26	0.98	1.5	16	17	4	10	s.	Mrs. Gaudy T. Sisco.
Bowling Green	Warren	500	40	37.0	0.0	74	18	11	9	39	3.74	−1.17	0.85	T.	14	11	11	9	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	460	4	.....	.....	.....	.....	.....	.....	.....	4.55	.....	1.21	1.3	9	.....	.....	.....	.....	Jas. R. Hines.
Brownsville, Lock 6	Edmonson	410	12	.....	.....	.....	.....	.....	.....	.....	5.13	−0.57	1.03	T.	11	.....	.....	.....	.....	Virgil M. Wiedlin.
Bussville	Edmonson	773	38	.....	.....	.....	.....	.....	.....	.....	4.61	0.04	1.07	T.	13	.....	.....	.....	.....	T. A. Lewis
Burnside	Pulaski	422	30	.....	.....	.....	.....	.....	.....	.....	4.55	+1.18	1.57	.....	11	.....	.....	.....	.....	Shelby Angel.
Carrollton, Lock 1	Carroll	489	3	.....	.....	.....	.....	.....	.....	.....	4.94	.....	0.94	6.3	14	.....	.....	.....	.....	Bert Foss.
Cool Spring, Dam 36	Campbell	780	5	36.6	.....	71	19	6	14	38	3.78	.....	1.20	.....	7	6	13	12	nw.	G. D. Glass.
Dix Dam, Burgin	Mercer	1177	35	35.4	+ 0.4	70	18	5	8	43	3.94	−0.53	1.07	T.	15	9	5	17	s.	Mrs. Katie Payne.
Eubank	Pulaski	560	37	34.6	− 1.8	73	18	4	14	38	4.13	0.60	1.14	2.5	14	4	7	20	w.	Sidney Wood.
Frankfort	Franklin	691	34	38.0	− 0.6	73	18	10	31	38	3.43	−1.03	1.05	0.0	8	16	13	2	n.	M. E. Johnson.
Franklin	Simpson	449	18	.....	.....	.....	.....	.....	.....	.....	4.89	+0.78	1.10	.....	13	.....	.....	.....	.....	Albert Parrys.
Gest, Lock 3	Henry	780	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Fields Edwards.
Glasgow	Barren	506	4	.....	.....	.....	.....	.....	.....	.....	4.38	.....	1.02	4.0	14	.....	.....	.....	.....	W. T. Dugan.
Grant, Dam 38	Boone	861	36	35.6	+ 0.9	74	13[c]	6	8	40	5.19	+0.39	0.92	T.	17	4	5	22	n.	Mrs. Bettie K. H. Alcorn
Greensburg	Green	550	27	.....	.....	.....	.....	.....	.....	.....	3.09	−0.70	1.03	2.0	10	.....	.....	.....	.....	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	646	31	33.8	− 1.8	71	18	5	14	41	4.82	+0.46	0.89	T.	14	10	2	19	sw.	W. J. Liggett.
Irvington	Breckinridge	469	35	35.2	+ 0.1	72	18	2	14	43	5.54	+0.55	1.24	2.5	19	10	6	15	s.	Caroline Grubbs.
Jamgton City	Boyle	969	35	.....	.....	.....	.....	.....	.....	.....	3.71	.....	1.15	.....	13	.....	.....	.....	.....	L. J. Vanhook.
Lancaster	Garrard	1032	3	.....	.....	.....	.....	.....	.....	.....	5.85	+1.20	1.25	T.	15	7	12	12	w.	H. H. Willis.
Leitchfield	Grayson	686	33	35.1	+ 0.1	71	18[c]	8	13	40	2.83	−1.85	0.92	2.8	15	4	8	19	sw.	U. S. Weather Bureau
Lexington	Fayette	989	45	32.0	− 0.9	72	18	2	13	41	4.06	−0.68	1.15	3.0	11	.....	.....	.....	.....	Clarace Dauber.
Limbeckleeanan, Lock 8[g]	Jessamine	528	18	.....	.....	.....	.....	.....	.....	.....	3.20	−1.15	0.67	2.2	12	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Henry	476	19	.....	.....	.....	.....	.....	.....	.....	3.57	−0.23	1.41	2.5	13	8	6	17	s.	U. S. Weather Bureau
Louisville	Jefferson	525	56	31.8	− 2.6	72	18	4	13	31	4.74	+0.34	0.91	3.8	14	11	3	17	sw.	Wm. J. Heat
Do (Cherokee Park)	Do.	534	19	32.4	− 1.9	70	18	3	14	40	3.75	.....	0.80	.....	8	.....	.....	.....	.....	A. G. Hubbard.
Manfordville	Hart	600	3	.....	.....	.....	.....	.....	.....	.....	5.57	−0.97	1.35	1.0	14	13	6	12	.....	Sisters of Loretto.
Mauldin	Hardin	777	53	32.3	− 1.5	69	24	2	14	48	4.22	−0.75	1.10	1.5	11	.....	.....	.....	.....	Ernest M. Searcy.
St. John	Mercer	490	15	.....	.....	.....	.....	.....	.....	.....	4.21	+0.41	0.60	3.5	15	4	10	17	w.	E. B. Wilson
Salvisa, Lock 6[g]	Kenton	900	51	29.2	− 3.1	69	18	− 6	14	38	5.80	+1.63	1.02	2.7	19	13	0	18	sw.	Miss Ruth Ratta,
Scott[g]	Shelby	825	40	31.6	− 1.8	70	18[c]	− 3	14	39	5.34	+0.48	0.96	2.5	17	12	3	16	nw.	E. D. Bourne.
Shelbyville	Spencer	489	37	32.8	− 0.4	72	18	3	14	37	3.79	−0.56	1.30	7.0	9	.....	.....	.....	.....	H. K. Vaughn.
Taylorsville	Anderson	526	11	.....	.....	.....	.....	.....	.....	.....	4.86	+1.23	1.01	7.0	18	10	7	14	nw.	Mrs. E. S. Humlong
Tyrone, Lock 5[g]	Grant	943	26	30.2	− 2.2	69	18	− 4	14	37	5.07	−0.01	1.06	T.	13	.....	.....	.....	.....	H. J. Lewis.
Williamstown	Grant	933	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woodbury, Lock 4	Butler	533	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ashland	Boyd	534	12	32.7	− 2.5	76	19	− 1	14	46	4.42	−0.19	1.32	2.3	15	3	0	28	w.	Curtis Carvie.
Beattyville	Lee	650	25	35.2	+ 0.3	73	18	5	8	47	4.01	−0.73	0.93	0.7	17	4	7	20	sw.	Robert S. Swallwood.
Berea	Madison	1050	27	35.5	− 0.9	72	18	4	8[c]	46	5.12	−0.37	1.50	2.6	14	8	8	15	w	Chas. C. Graham.
College Hill, Lock 11	Madison	601	19	.....	.....	.....	.....	.....	.....	.....	4.45	−0.38	1.15	3.0	14	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	11	.....	.....	.....	.....	.....	.....	.....	3.80	−0.31	0.96	3.6	16	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	660	40	.....	.....	.....	.....	.....	.....	.....	4.50	+0.91	0.88	4.0	13	.....	.....	.....	.....	J. V. Oldham
Farmers	Rowan	668	21	34.8	0.0	73	18	0	8	40	3.94	−0.25	0.50	4.0	11	8	4	19	e.	Mrs. R. P. Stapper.
Flemingsburg	Fleming	841	4	.....	.....	.....	.....	.....	.....	.....	4.15	.....	1.40	.....	9	.....	.....	.....	.....	C. A. Glascock.
Fort Boonesboro	Clark	593	13	.....	.....	.....	.....	.....	.....	.....	3.80	−0.97	1.13	1.5	13	.....	.....	.....	.....	John A. Walters.
Fort Knox[g]	Hardin	569	4	.....	.....	.....	.....	.....	.....	.....	3.98	.....	0.98	2.7	9	.....	.....	.....	.....	Col. Frank Powers.
Grayson	Carter	589	4	.....	.....	.....	.....	.....	.....	.....	3.46	−0.26	0.78	5.0	14	.....	.....	.....	.....	T. M. Isbell.
Greenup, Dam 30	Greenup	540	9	.....	.....	.....	.....	.....	.....	.....	3.63	.....	0.80	T.	16	.....	.....	.....	.....	Chas. O. Ilaig.
Hazard	Perry	869	5	.....	.....	.....	.....	.....	.....	.....	4.27	0.54	1.03	.....	13	.....	.....	.....	.....	S. C. Cobb.
Beattyville, Lock 14	Lee	664	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Car Napier.
Hindman	Knott	1032	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. E. Davidson.
Jamestown	Fletcher	1566	3	.....	.....	.....	.....	.....	.....	.....	3.79	.....	0.60	.....	14	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	25	.....	.....	.....	.....	.....	.....	.....	2.99	−0.82	0.83	.....	11	.....	.....	.....	.....	Perry E. Pennell.
Maysville	Mason	523	32	33.0	+ 0.1	71	12	2	8	39	3.95	−0.04	0.95	3.5	16	7	8	16	sw.	Matthew Woodson.
Mt. Sterling	Montgomery	1000	39	32.0	− 1.5	70	18	− 1	14	41	4.66	−0.70	1.60	.....	10	5	15	11	.....	.....
Mt. Vernon	Rockcastle	1128	23	29.3	− 0.1	71	19	11	7[c]	49	4.61	−0.08	0.81	2.8	16	8	5	18	nw.	W. P. McKee.
Mount Sterling	Montgomery	960	39	32.0	− 1.5	70	18	− 1	14	41	4.61	−0.08	0.81	2.8	16	8	5	18	nw.	Andrew M. Stanforth.
Nancy	Pulaski	1000	3	.....	.....	.....	.....	.....	.....	.....	4.80	.....	1.01	2.5	12	.....	.....	.....	.....	Robert Burress.
Owingsville, Dam 35	Bracken	497	7	.....	.....	.....	.....	.....	.....	.....	3.86	−0.24	0.96	T.	13	.....	.....	.....	.....	L. C. Peck.
Pikeville	Pike	636	23	.....	.....	.....	.....	.....	.....	.....	5.92	.....	1.22	.....	10	.....	.....	.....	.....	R. W. James.
Pineville, Lock 3	Bell	940	4	.....	.....	.....	.....	.....	.....	.....	5.85	.....	1.10	1.8	14	.....	.....	.....	.....	Walter P. Park.
Quicksand	Breathitt	722	4	37.4	.....	78	18	6	8	46	3.19	−0.77	1.15	.....	6	.....	.....	.....	.....	.....
Ravenna, Lock 12	Estill	631	11	.....	.....	.....	.....	.....	.....	.....	3.95	−0.65	1.05	0.5	18	11	4	16	.....	J. W. Crooks.
Tyrone, Lock 5	Madison	930	38	35.2	+ 0.9	72	18	6	14	38	5.28	+0.28	2.00	2.0	12	.....	.....	.....	.....	Thos. Sullivan.
Valley View, Lock 9	Madison	544	16	.....	.....	.....	.....	.....	.....	.....	4.84	+0.27	0.94	.....	10	.....	.....	.....	.....	H. M. Fannin.
Vanceburg, Dam 32	Lewis	525	14	.....	.....	.....	.....	.....	.....	.....	3.92	.....	1.15	T.	11	.....	.....	.....	.....	G. H. Zimmerman.
Whitesburg	Letcher	1142	4	.....	.....	.....	.....	.....	.....	.....	4.71	+0.15	1.14	0.5	9	17	4	10	.....	Lawrence R. Ubl.
Williamsburg	Whitley	960	32	40.1	+ 1.9	75	18	9	8	39	2.16	−1.79	0.69	1.0	8	.....	.....	.....	.....	Jessie Hicks.
Wolf, Lock 15	Lee	631	10	.....	.....	.....	.....	.....	.....	.....	4.54	+0.19	3.40	1.8	13	9	7	15	sw.	.....
State Averages and extremes				34.8	0.6	76	18[c]	− 6	14	49										

[a] Temperature data are taken from self-registering thermometers.

[b] Highest and lowest temperature and precipitation are summated only for such stations as have ten or more years of record, but all complete reports are included in the general means and totals. [c] Monterey, Brownsville and Woodbury are Locks in the Green River; other Locks are on the Kentucky River.

[d] Approximate, portion of division record.

[e] Interpolation or division records.

[f] Dashes in the table indicate absence of days missing; for example, 8 represents two days, etc.

[g] Less than 2 years. [h] Approximate. [i] Precipitation is less than 0.01 inch, rain or melted snow. [j] Long Oak

[k] Post office address: Lock 5, Lawrenceburg, Ky.; Lock 7, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky

[l] Received too late to be included in means and summaries.

[m] Post office address: Lock 9, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky

MISCELLANEOUS.

Aug. 1: A severe windstorm caused widespread damage in those parts but ill... [illegible] ... has and Fleming counties. The total loss was roughly estimated at $1,250,000, of which probably $800,000 occurred in the counties of Fayette, Clark, Madison, Bourbon, Nicholas, and Jessamine. At Sumner, Hardin County, the path of destruction was about one half mile wide and 9 miles long, extending from southwest to northeast. A path of

Daily Precipitation for January, 1929.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
ver Dam ..... G	.82				.30	.40			.30	.20					.15	.20			.35			.60		.05	.60	.55		.05				4.47
hom ..... G	.57	T.			.51	.06			.04	.04			.02	T.	.11	.5	.03	1.30	.17		T	T		.80	1.0			.45		T	T	5.82
rbon Cem. ..... O	.50				.52	.08			.65	.03					.16	.25	T	2.06	.15		.04			.81	1.15			.26				6.19
ris Ferry, Dam 50 ..... O	.43				.02	.52				.73			.02		.16	.10	.72	.01	.25		T	.08	.21	.50	.4		T	.45		T		6.55
ntsville ..... G	.76								.64						.10	.25	.05	.52	.20		T	.10	.30	.38				.20			T	5.29
pkinsville C	.60				.18	T.			.61						.13	.6	.03	.4	.71		T	.09	.04	.38	.90		.34					5.23
wensville ..... M	.20				.72	.04			.78						.19	.33	.05	.50	T		T.	.06		.22	.31		.11					4.52
nton ..... O					.90				.76															1.50								6.64
rfield ..... M					.55				.65									1.05						1.30								4.70
rrow ..... T	.62				.04				.70	T.					.20			.02				17		1.87			.22					4.15
rnsburg ..... O	.35				.51	.03			.06	T			.03	T.	.05	.31	.04	.60	.02		T	.08	.01	1.50	.20		.01	T		T		5.55
rnsburg, Dam 46 ..... O	.48	.02	T.			.08				.68			.01		.10	.14	.12	.04	1.15		.01	.05	.21	.41	1.45	.02		.45				6.50
dwell ..... O	.46				.85				.90							.68	.02	.75	.02			.18		2.30	.50		.27					7.99
rdetsville ..... G	.45	T.			.41	.35				.83					.18	.25		1.08	T		T		.04	.30	3.0			.12				7.10
rdeen, Lock No. 2 ..... G	.62				.42				.63	.02	T.			T.	.15	.20	.05	1.48			.04	.03	.18	1.46	.07		.17	T.				6.86
rdstown ..... G	.56	T.				.54				.68			T.		T.	.38	.08		.88		T		.06	.38	1.45		T.	.02				6.60
rrontown ..... O	.50								1.32																							5.66
rrontown, Dam 49 ..... O	.18	.02			.01	.51			.43				.02	.02	.09	.05	.53	T.	.03			.12	.11	.47	1.87			.07			T	5.44
Central Division																																
dison, Dam 43 ..... O	.71	.03				.45			.62	T.	T.	.02	T.	.14	T.	.14	.6	.70			.06	.11	.35	1.52		.06				.64	5.17
ermarle	.67																															4.76
dstown ..... S		.10			.26	T.			.42				.06	T.		.26	.06	.75				.23	*	1.68	.22		T.		.04			4.46
wling Green ..... G	T.	T.			.30				.70	.05			.11		.10	.10	.05	.12	.65			.18	.12	.88	.76		.16		.05			3.54
wling Green, No. 2 ..... G	.67	T.					T			1.21			T.		T.	.21	T.	.11	.12			T.	.31	.11	.81		.13				T	4.77
ravesville L	.50	T.				.08				.50			T.						.86		.02	T.	.05	.21	1.05	.02		.45				5.03
ravesville (Lock No. 1) ..... K	.58	T.								.70		T.	T.	.13		.02		.99				.02	.27	.28	1.03		T.	.24				5.63
rdsville ..... K	.68					.33				.91					.08	.21	.17	.21	.74			.11	.12	.23	1.17			.04	T.			5.61
d Spring, Dam 36 ..... O		.66	T.		T.	.28	T.			.23			.13				.15		1.57			.55	.27	.13	.85						.66	4.61
g Bone Bargan ..... K	.33					.23				.54	.02		.03	T.	.10		.05	.02	.61			.18	.80	T	.94			.67			.12	4.02
bank ..... G	.23	T.							.58									1.30				.13	.25	1.20			.09				4.23
nkfort ..... K	.60	.02				.43				.69		.01		.01	.11	.02	.08	.15	.63				.11	.37	1.07					.02	.61	3.78
rlin ..... G				.26		.81	T.			.52			.04	T.	.16		.15	T.	.83			.13	.12	.06	1.14	T.		.03			.03	3.94
e, Lock No. 3 ..... K	.93	T.														.36		1.05				.15	.10	1.00	.05							5.38
sson ..... G						.12	T.			.43			.04	T.	.11		.24	T.	.77		T.	.25	.30	.10	1.10			.14		T.	.06	3.43
nn, Dam 38 ..... O	.70	T			T	.31	.03			.09	T.		.15		.09		.15	.02	.57			.31	.56	T.	1.02	T		.09			.05	4.89
nnsburg ..... G	.29	.12			.38	.14			.31	.37					.13	.07	.07	.07	.92		.04		.10	.45	.50		.15			.04		4.38
ngton ..... K	.20	.02				.25				.61			T.	.05	.15				.86				.13	.02	1.03	T.						5.49
rrison City ..... K	.35	T.			.45	.15			.37	.18	T.	T.	T.		.09	.46	T.	.74	T.		T.	.15	.07	.90	.85		.65		.04	T	3.79
rrodsburg ..... K	.27	.06			.38	.13			.08	.61				.08		.11	.04	.04	1.40	.24		T	.05	.12	.59	.90		.07	.05		T.	.02	4.84
rtwood ..... K	.30	.05				.28				.62			.02	.02	.02		.02	T.	.96				.10	.15	1.15	T				T		5.54
rtwood ..... G	.85	T.			.43	.02			.60	.15			T.		.12	.15	.02	.80	.25		T.	T	.14	.62	1.25		.26			T		5.71
rtwood, Dam 7 ..... K	.14				.21	T.			.66	T.	T.		.16		.14	.01	.02	.25			.01	.18		.71	.25		.08	T.		.02	.01	2.85
rtwood, Lock No. 8 ..... K	.25	.08				.20				.39			.05		.06		.13	T.	1.03			T.	.07	.37	1.15			T.			T.	4.88
rtsville ..... K	T.				T.	T.			.54	T.	.06		.11		.20		.07				.28	.31	.12	.64			.12		T.	.04	T.	4.66
e (Georgetown) ..... O	.06				.42	T.			.06	.61	T.	T.	.16	T.	.12	.26	T.	.50				.23	T.	1.35	.08		.08		.03	T.	3.26
nford ..... G	.81	.03			.32					.57			.06		.11	.27	T.		.54			.14	.13	.71	.61		.05					3.77
nford (Georgetown Park) ..... O	.80									.50					.20				.50				.15	.30	.70			.05				4.20
nford, Lock No. 6 ..... K	.35	T.				.05			.85	.05			.08		T.	.10	.05	.85						1.35			1.00	.18		.01	.01	5.57
n I	.60	T.				.20				.56			.06		.07	.08		.55			T.	.25	.40	1.10						T.	4.22
Dayville ..... K	.26	.04			.31	T.			T.	.20			.03		T.	.21	.35	.45			.50	.31	.40	.46		T.	.05			.12	4.24
rtsville ..... K	.36	.05			.28	.15				.70	.02	T.	.20		.12	.12	.26	.01	1.62		.02	.20	.16	.75	.85		.14	T.		.05		5.89
one, Lock No. 5 ..... K	.66				.24	.15			.30	.22			.16		.05	T.	.25	.40	.68			.16	.11	.82	.74		.12		.03	T.		5.24
mantown L	1.01				.21		T.						.40			.15	.02	.90			.15		1.80			.07	T.	T.		T.	8.79
dsbury, Loc. No. 1 ..... G	.93	T.				.16				.47			.06		.16	.28	.02	.02	.47	.01		.60	.17	.57	.57		.08	.05			.64	4.86
Eastern Division																																
land ..... O	.20	.02				.24				.73	.03		.04	T.	.10	T.			1.82			.23	.30	.10	.77	.11		.11			.02	5.07
rrville ..... K	.27	.08	T.			.22	1			.82	.02	T.	.05	.01	.05	T.	.04	.08	.83			.03	.17	.34	.03			.05			.05	4.42
ton ..... K	T.	.25				.22			T.	.85			.06		.12	T.		1.50			.03	T.	.22	.02	1.00		.09			.03	.05	5.11
rnside L	.45			.05		.20				.42			.05		.10		.03		1.16			.10	.20	.25	1.10			.05			.02	4.45
rnside L	.88	T.				.20				.42			.05		.10		.14		.72		.15	.22	.12	.18	.56			.05			.02	3.80
rnside L	.38					.38				.43			.15		.15		.07		.76			.25	.15	.08	.85			.12			.04	4.59
rnside Crossing L	.40	T.				.24				.75			.16		.20				.90			.22	.20	.10	.71		T.			T.	.10	3.94
B. Lock No. 10 ..... K	.20	.04			.25				1	.10			.15			T.		.70				.15		1.40								4.77
yson ..... O	.25	.08				.17				.57	T		.04	T.	.16		.08		1.38			.08	.09	.25	1.04	T.		.02	T.		T.	5.80
ump, Dam 30 ..... O	.27	.04								.65			.05	T	.06			.87				.09	.19		.79						T	3.98
ard ..... K	.25	.02				.24				.80	.02			.01	.05	.07	.02	.12	.72			.19	.04	.42	.60					.03	3.40
lsberg, Lock No. 14 ..... K	.37					.21				.32			T.	.03	.07		.05	.10	.88			.18	.24	1.03	.03		.05			.02	.03	4.27
ines ..... K		.32	.03			.75				.27			.05		.25	.13		.10				.38		.62		.10	.07		.08	.04	3.79
sville ..... B	.20	.03				.16				.83	T.					.09		.47				.14	.16	.66	.76		.06					2.89
chboro ..... O	.53	.02				.19				.34	.01		.06	.02	.10		.08	T	.55			.24	.37	.05	.68							3.03
nt Sterling C	.20									.21					.05	.12		.21	.75			.11	.15		.76	1.50						4.63
nta Dam 35 ..... O	.31	.05			.18				.71	.04	T.		.22		.19	T	.02	.07	.53			.13	.24	.36	.81		T.			.06	.03	4.59
ville ..... B	.85					.41				.47			.04		.22	T.	.08	T	.76	T.		.22	.79	T	1.04	T.	T.	.05			.05	.13	4.61
nsburg ..... B	.42	.10	T.			.25	T.			.96		T.			.06	.18		.22	.48			.30	.08	.96	.42	T.						4.89
ksand ..... K	.56									1.22									.50	.05	.80		.10	.14	.10	.65		.05				3.80
mes, Lock No. 12 ..... K	.47	.10				.39				.98	.30	.03		.10		.25		1.10				.14	.33	.36	.74	T.						3.92
mond ..... K	T.	.12				.12				.50	T.	T.	T.	T.	T.	T.	T.	1.15			T.	T.		.25	.85		T.			T.		5.53
w View, Lock No. 9 ..... K	.26	.05			.10	.15			.10	.65			.10		.05	T.	.05	.10	.85		.02	.15		.20	1.05		.02			.03	.01	3.99
ehouse, Dam No. 32 ..... O	.10				.28				.10			.11			.08	.20		1.00			.02	.15		.20	1.05		.02			.03	.01	3.90
ehouse ..... O	.06									.94						.18	.08	.80			.26	.42		.65			.25				.05	5.28
sburg ..... K	.48	.11	T.			.63				.66	T.		T.		.12	.31		1.15			.10	.37	.14							.37	4.84
nsing C	.46	.05								1.09																				.40	2.82
w, Lock No. 13 ..... K	.20	.25			.20					.01				T.	T.	.32	.04	.15			.03	.30	.42	1.14							4.74
													.10											.25	.80	.05						2.16

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark **) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

Precipitation inapparent in the morning's amount then recorded is for the preceding 24 hours. §Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. *Incomplete.

‡ The same width and direction was devastated across Nicholas County. In these houses and to utility systems.

orts of evidence of tornadic activity were noted. Five persons were killed, one at *Berry*. A moderate rise occurred in the streams of the State, including the Ohio, ople, one in Scott, two in Taylor, and one in Hardin County. One person was following the longest gales of the 30th. Flood stage was exceeded by a few feet at ed in Jefferson, one in Green, and one in Fayette County. Most of the damage Evansville and was nearly reached at other points between Owensboro and Paducah. o barns, hundreds of which were destroyed, to the roofs of residences and business.

Errata for December, 1928.—Pendleton precipitation, total 1.62.

Daily Temperatures for January, 1929.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	45	33	44	45	59	55	30	43	47	47	40	36	38	48	50	39	67	72	70	45	50	72	68	51	57	38	37	58	42	41	41	47.9
	Minimum	27	11	18	19	25	17	20	12	29	33	28	14	15	10	22	26	37	55	38	33	36	40	39	37	28	36	35	37	37	35	34	25.2
Calhoun	Maximum	52	30	45	48	57	54	29	41	46	47	37	34	34	47	51	38	67	72	55	43	49	69	65	48	52	35	36	37	37	36	36	45.4
	Minimum	29	12	20	24	40	14	20	12	32	31	29	13	14	13	19	24	36	38	31	32	31	39	28	35	22	16	26	24	24	37	35	25.2
Earlington	Maximum	49	28	43	52	57	50	28	42	47	50	39	36	35	51	51	40	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.1
	Minimum	25	13	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
Greenville	Maximum	49	29	43	51	..	..	..	41	47	48	40	36	34	51	51	40	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	47.0
	Minimum	25	10	11	28	..	..	..	15	11	32	32	26	11	16	9	20	36	38	38	31	33	36	40	29	36	24	16	..	25	18	23	21	24.9
Hopkinsville	Maximum	47	33	45	54	59	50	35	46	45	48	39	33	33	55	48	41	67	73	55	48	49	71	68	64	61	41	38	38	41	42	41	48.4
	Minimum	22	12	18	30	33	14	18	12	28	32	26	12	17	11	22	27	38	52	31	33	32	41	36	35	23	15	28	25	19	25	19	25.2
Lou[illegible]	Maximum	48	32	41	52	58	51	31	44	47	50	39	36	35	51	51	40	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.4
	Minimum	25	13	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
[illegible]	Maximum	49	32	41	52	57	52	35	45	45	49	39	37	38	48	51	41	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.4
	Minimum	25	12	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
Maxwell	Maximum	49	32	41	52	57	52	35	45	45	49	39	37	38	48	51	41	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.4
	Minimum	25	12	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
Mayfield	Maximum	49	32	41	52	57	52	35	45	45	49	39	37	38	48	51	41	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.4
	Minimum	25	12	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
Murray	Maximum	45	38	42	52	59	39	35	45	48	47	50	40	39	49	50	44	67	72	55	48	49	71	68	64	61	41	38	38	41	42	41	48.4
	Minimum	23	13	18	31	33	11	22	14	24	31	23	13	19	13	19	27	24	46	38	34	34	45	39	35	25	16	27	24	20	21	22	25.2
Owensboro	Maximum	49	32	41	52	57	52	35	45	45	49	39	37	38	48	51	41	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.4
	Minimum	25	12	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
Paducah (near)	Maximum	41	31	42	49	57	50	32	41	45	49	38	32	38	46	48	38	66	70	55	44	50	67	61	42	50	39	44	57	41	42	43	46.2
	Minimum	24	8	16	23	27	11	15	8	26	27	23	9	6	8	13	21	32	49	27	29	27	36	25	26	17	14	24	22	15	27	24	21.2
Princeton	Maximum	41	31	42	49	57	50	32	41	45	49	38	32	38	46	48	38	66	70	55	44	50	67	61	42	50	39	44	57	41	42	43	46.2
	Minimum	24	12	20	27	40	18	23	14	30	34	26	14	16	12	19	24	34	51	32	32	30	40	34	33	24	16	27	24	20	21	22	25.2
Russellville	Maximum	43	33	42	52	59	39	35	45	48	47	50	40	39	49	50	44	67	72	55	48	49	71	68	64	61	41	38	38	41	42	41	48.4
	Minimum	23	13	18	31	33	11	22	14	24	31	23	13	19	13	19	27	24	46	38	34	34	45	39	35	25	16	27	24	20	21	22	25.2
Sebree	Maximum	49	32	41	52	57	52	35	45	45	49	39	37	38	48	51	41	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.4
	Minimum	25	12	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
Smithland	Maximum	49	32	41	52	57	52	35	45	45	49	39	37	38	48	51	41	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.4
	Minimum	25	12	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
Springfield	Maximum	49	32	41	52	57	52	35	45	45	49	39	37	38	48	51	41	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.4
	Minimum	25	12	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
Tompkinsville	Maximum	49	32	41	52	57	52	35	45	45	49	39	37	38	48	51	41	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.4
	Minimum	25	12	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
Union City	Maximum	49	32	41	52	57	52	35	45	45	49	39	37	38	48	51	41	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.4
	Minimum	25	12	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
Wickliffe	Maximum	49	32	41	52	57	52	35	45	45	49	39	37	38	48	51	41	68	72	55	50	48	70	66	44	54	35	37	37	37	35	35	46.4
	Minimum	25	12	21	25	38	18	22	13	35	33	27	13	14	10	20	26	40	42	38	30	30	42	36	33	24	17	26	24	20	25	21	26.0
Central Division.																																	
Anchorage	Maximum	46	32	40	46	54	41	27	32	48	46	40	30	32	31	34	32	57	70	52	42	47	65	..	52	52	54	34	32	38	28	..	41.9
	Minimum	26	12	14	18	33	15	16	4	21	20	18	13	0	4	17	17	32	48	29	28	27	34	..	34	19	12	23	20	18	20	..	20.4
Bardstown	Maximum	46	32	40	46	54	41	27	32	48	46	40	30	32	31	34	32	57	70	52	42	47	65	61	52	52	54	34	32	38	28	30	41.9
	Minimum	26	12	14	18	33	15	16	4	21	20	18	13	0	4	17	17	32	48	29	28	27	34	31	34	19	12	23	20	18	20	20	20.4
Bowling Green	Maximum	48	43	42	50	53	56	58	37	42	51	41	25	36	51	48	50	65	74	63	47	45	70	66	63	62	46	37	37	40	41	32	48.3
	Minimum	26	14	16	25	28	33	18	22	11	29	25	13	20	12	29	30	30	35	34	37	35	41	32	28	28	17	27	27	10	23	22	25.7
Dix Dam	Maximum	52	32	41	49	55	56	31	40	50	50	41	34	34	45	49	38	65	68	71	48	50	68	65	47	61	45	38	37	41	41	31	46.9
	Minimum	32	18	16	25	33	20	23	8	25	33	30	16	14	6	27	32	35	50	39	33	32	48	32	25	24	18	28	26	16	21	21	26.4
Eubank	Maximum	50	33	42	54	52	48	33	40	45	49	40	30	31	44	47	38	55	70	66	43	45	66	60	56	57	43	37	36	37	38	32	46.5
	Minimum	30	17	11	22	26	19	17	5	19	27	27	14	8	23	27	28	42	52	50	37	30	39	33	33	26	13	19	17	14	17	19	24.8
Frankfort	Maximum	52	35	39	45	51	55	29	36	43	47	41	32	34	34	48	33	55	73	53	43	46	65	65	45	56	39	33	35	35	32	32	44.6
	Minimum	34	15	18	21	22	18	20	8	26	34	30	11	14	4	22	20	32	52	35	31	33	32	35	26	17	24	24	16	20	22	24.6
Franklin	Maximum	49	32	43	56	56	55	44	44	50	50	42	38	35	55	52	41	55	73	55	45	47	71	67	63	60	42	39	38	39	39	39	48.7
	Minimum	26	14	18	32	37	17	18	18	28	34	30	13	17	12	28	29	41	52	35	37	36	43	33	30	27	27	26	26	23	21	10	27.2
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greensburg	Maximum	54	32	41	51	59	57	34	41	52	49	42	35	34	53	50	42	57	74	54	46	46	69	67	57	61	37	39	39	35	34	32	48.1
	Minimum	28	14	11	20	27	16	29	6	39	29	26	10	14	7	24	26	26	53	34	30	28	34	29	35	23	13	23	23	14	17	18	23.1
Irvington	Maximum	41	27	40	48	57	47	27	36	48	47	39	32	33	46	48	35	55	71	52	45	48	59	56	56	53	37	25	25	21	21	20	24.0
	Minimum	23	18	20	24	40	14	16	10	32	30	24	13	8	5	20	20	33	51	32	33	32	36	34	27	16	16	27	25	21	21	20	26.9
Junction City	Maximum	51	33	40	53	54	55	31	38	50	50	41	34	34	45	49	38	65	68	71	48	50	68	65	47	61	45	38	37	41	41	31	46.9
	Minimum	31	17	11	25	25	17	21	4	27	30	28	12	18	2	26	25	34	47	36	23	28	38	30	35	27	14	23	23	12	16	18	23.6
Lebanon	Maximum	50	28	40	50	55	53	27	38	47	47	38	31	32	45	48	33	54	71	53	44	51	71	66	58	60	34	35	35	36	36	32	46.5
	Minimum	27	12	18	25	34	16	19	10	30	31	26	12	12	6	25	26	34	53	32	34	31	47	30	36	22	15	26	26	18	23	19	25.1
Leitchfield	Maximum	52	24	35	46	54	30	26	35	48	48	38	30	31	44	46	41	56	72	51	47	44	64	45	76	53	33	38	30	30	28	28	42.0
	Minimum	24	13	19	30	30	10	8	7	30	28	17	13	2	0	19	18	41	46	33	30	30	35	31	33	16	14	23	18	15	21	13	21.9
Lexington	Maximum	48	30	38	48	55	28	30	38	45	46	37	32	32	47	46	36	57	73	55	47	48	68	64	49	54	32	33	30	30	30	30	44.4
	Minimum	24	13	19	30	30	10	8	7	30	28	17	13	2	0	19	18	41	46	33	30	30	35	31	33	16	14	23	18	15	21	13	21.9
Louisville	Maximum	44	27	39	46	56	28	28	37	46	48	39	32	33	43	37	34	45	60	72	51	44	45	68	41	49	54	32	33	30	30	30	44.4
	Minimum	22	12	17	25	34	12	9	9	31	29	18	12	4	4	15	17	35	51	31	31	30	34	30	34	20	16	23	23	18	22	13	22.1
Do (Cherokee Park)	Maximum	40	31	38	47	53	51	28	36	47	45	33	31	33	32	36	33	52	70	58	41	44	66	65	41	52	32	33	32	32	32	32	42.0
	Minimum	30	13	19	21	33	14	17	8	28	36	28	13	10	3	16	15	34	50	31	30	28	28	28	43	33	23	22	17	22	20	22.7
St. John	Maximum	48	30	38	48	55	28	30	37	45	46	37	32	32	47	46	33	57	75	57	48	48	69	65	49	59	35	36	35	35	35	35	46.1
	Minimum	26	11	14	19	19	12	12	5	25	27	20	9	6	2	20	21	30	32	32	31	27	32	29	21	26	12	22	23	22	14	18	23.6
Stout	Maximum	47	34	35	44	49	52	38	31	44	44	40	36	28	21	25	25	51	69	68	37	42	42	40	20	52	30	30	28	25	25	26	39.8
	Minimum	33	12	19	19	32	15	12	0	23	29	25	11	4	−6	12	9	26	41	30	30	28	32	27	30	20	12	21	16	6	11	12	20.0
Shelbyville	Maximum	48	33	38	46	50	51	27	36	51	45	33	30	32	39	44	38	51	70	56	46	45	64	64	46	54	33	34	34	34	29	29	43.0
	Minimum	29	11	15	18	30	13	16	2	24	24	25	10	11	3	11	7	29	38	29	28	27	31	25	31	22	12	20	24	11	18	16	20.1
Taylorsville	Maximum	50	33	38	45	53	53	27	35	49	48	38	32	33	53	50	42	57	74	55	45	47	66	65	46	55	33	35	35	32	32	32	43.8
	Minimum	28	13	16	21	31	16	20	7	30	34	27	13	13	8	21	21	33	52	33	34	28	35	29	34	26	11	24	24	15	19	20	23.8
Williamstown	Maximum	48	37	36	43	51	52	21	31	49	42	37	31	29	27	42	27	52	69	67	40	42	58	62	40	42	30	29	29	29	26	26	40.2
	Minimum	33	12	16	22	31	15	14	2	26	28	27	12	6	4	14	10	26	50	30	29	27	25	26	30	26	12	19	19	9	15	17	23.1
Eastern Division.																																	
Ashland	Maximum	55	55	36	39	47	57	31	32	39	51	50	43	34	33	50	32	36	63	56	47	45	67	66	47	54	43	56	54	32	28	31	41.8
	Minimum	24	26	15	16	20	21	23	4	21	31	19	19	−1	6	17	18	24	45	31	26	29	32	32	33	17	18	24	20	16	21	21	21.1
Beattyville	Maximum	54	51	40	39	60	56	33	39	45	51	41	34	36	53	47	41	61	78	55	44	48	68	65	46	57	45	55	55	36	36	37	46.7
	Minimum	31	18	12	22	25	21	17	5	17	33	28	17	11	6	20	22	29	36	33	26	31	27	37	35	26	14	25	27	14	15	17	24.1
Berea	Maximum	58	51	41	52	58	55	35	39	50	51	40	34	32	50	47	39	58	72	53	43	46	69	67	47	58	45	58	55	37	37	39	46.4
	Minimum	30	17	12	26	32	19	18	4	30	31	23	13	10	4	26	26	35	51	39	36	30	37	31	36	22	14	25	24	14	16	20	24.6
Farmers	Maximum	54	42	41	49	57	56	40	40	51	49	41	41	37	47	49	44	69	78	70	55	54	73	67	58	65	50	46	41	30	30	30	49.2
	Minimum	36	15	5	13	24	18	20	0	13	31	27	15	12	7	23	17	28	53	38	25	29	30	26	21	25	12	21	21	7	10	16	20.8
[illegible]	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hindman	Maximum	54	40	40	47	53	57	36	34	52	49	43	41	35	27	45	31	50	73	54	45	42	63	63	52	56	36	36	34	34	30	31	44.1
	Minimum	26	17	14	18	27	19	17	2	26	33	25	16	10	5	19	9	28	53	35	36	27	29	30	32	26	15	23	23	8	11	23	23.0
Maysville	Maximum	49	47	38	46	55	56	48	49	44	54	50	44	49	47	49	53	52	70	71	64	55	66	65	56	58	48	43	43	37	34	35	50.5
	Minimum	29	24	16	24	39	23	21	22	29	18	30	19	20	20	33	30	43	49	50	38	41	45	37	42	34	19	29	31	19	19	24	28.1
Middlesboro	Maximum	52	34	36	45	55	52	30	32	50	49	39	34	34	45	48	36	56	70	58	46	45	68	67	51	59	39	34	38	37	34	36	47.3
	Minimum	30	18	9	19	29	17	9	2	22	25	19	9	7	2	19	12	26	41	31	28	27	33	32	31	32	12	20	16	11	11	13	21.4
Mount Sterling	Maximum	55	39	39	47	54	54	29	37	51	50	42	36	36	49	50	42	61	75	57	48	48	68	66	49	58	40	39	39	39	36	36	48.3
	Minimum	29	16	13	20	31	17	21	7	27	32	25	13	13	7	23	21	31	51	34	33	31	34	33	34	25	15	24	25	15	17	19	25.0
Owingsville	Maximum	56	40	41	51	56	56	37	38	52	51	43	37	38	50	50	43	63	76	58	48	48	69	67	51	59	39	34	38	37	34	36	48.7
	Minimum	30	18	14	21	32	20	22	8	28	33	26	14	14	8	22	22	32	52	34	34	32	34	33	34	26	15	24	25	15	17	19	25.4
Richmond	Maximum	56	35	41	54	56	56	40	46	48	54	46	39	40	50	50	44	66	76	58	48	48	68	67	51	59	39	34	38	37	34	36	48.7
	Minimum	30	18	14	21	32	20	22	8	28	33	26	14	14	8	22	22	32	52	34	34	32	34	33	34	26	15	24	25	15	17	19	25.4
Williamsburg	Maximum	55	43	36	45	55	52	30	32	50	49	39	34	34	45	48	36	56	70	58	46	45	68	67	51	59	39	34	38	37	34	36	47.3
	Minimum	29	16	9	19	29	17	9	2	22	25	19	9	7	2	19	12	26	41	31	28	27	33	32	31	32	12	20	16	11	11	13	21.4
Williamsburg	Maximum	54	38	38	46	55	56	40	46	48	54	46	39	40	50	50	44	66	76	58	48	48	68	67	51	59	39	34	38	37	34	36	48.7
	Minimum	30	18	14	21	32	20	22	8	28	33	26	14	14	8	22	22	32	52	34	34	32	34	33	34	26	15	24	25	15	17	19	25.4
Williamsburg	Maximum	55	43	36	45	55	52	30	32	50	49	39	34	34	45	48	36	56	70	58	46	45	68	67	51	59	39	34	38	37	34	36	47.3
	Minimum	29	16	9	19	29	17	9	2	22	25	19	9	7	2	19	12	26	41	31	28	27	33	32	31	32	12	20	16	11	11	13	21.4

88 Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*** etc.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., FEBRUARY, 1929 No. 2

GENERAL SUMMARY.

The month was abnormally cold and decidedly unfavorable for all outdoor activities. Short periods of thawing and freezing in the first decade and near the middle of the month resulted in some lifting of winter grains, but apparently there was no serious injury. The late sown wheat was mostly affected by these conditions. The complete thaw near the end of the month was followed by better soil drainage and some growth, especially in the southern and western counties. There was light snow over for a few days in the first, second, and last weeks. The snow of the 21st was exceptionally heavy in the southern and eastern districts, but went off rapidly under the influence of the rising temperature and rain. Although precipitation averaged below normal, the soil continued very wet, with its deeply frozen condition preventing drainage, and surface thawing causing the water to stand in places. Plowing was not feasible, even in the most favorable localities and soils. No progress could be made with any kind of late winter or spring work. The persistent low temperatures necessitated special care and heavy feeding of livestock. The loss of spring lambs was larger than usual on account of the inclemency of the weather, which also unfavorably affected milk and egg production. The sharp rise in temperature in the last week, accompanied by heavy rains, especially in the district covered by snow, caused floods in most streams of the State, with overflowing of lowlands. The cold, dry winds were unfavorable for handling tobacco, and the bad condition of the dirt roads impeded movement to market. Improved roads, softened by the deep freezes, were seriously damaged in places by heavy hauling.

TEMPERATURE.

The average temperature for the State, based on the records of 42 stations, was 31.2°, which is 5.4° below normal, and among the low records for this month. Except for a few moderately warm days, temperatures averaged almost continuously below normal, with departures ranging from 5° to 25° on most days. Radiation over the heavy snow cover in the mountains and northeastern counties resulted in temperatures below zero on the last week. Extremes for the State were 68° at Murray and Mayfield on the 26th and -14° at Farmers on the 23d.

PRECIPITATION.

The average precipitation for the State, as deduced from the reports of 82 stations, was 3.58 inches, which is slightly above normal. Showers and light snow occurred in the period 4-9th, and light to moderate rain and heavy snow from the 19th to 21st. The snowfall on the 21st in the southern and eastern counties ranged from 10 to 20 inches, with the greatest depth in the upper basins of the Kentucky and Cumberland rivers. Moderate to heavy rains occurred on the 25th and 26th. The snow had largely melted before these rains, but enough remained over the area of heaviest accumulation to greatly increase the run-off and cause headwater floods. Precipitation was heaviest in the southern counties, where it ranged from 4.9 to 6.0 inches. It decreased irregularly northward to about half of these amounts along the Ohio River. Total snowfall ranged from 5.0 to 10.0 inches in northwest districts and from 12 to 20 inches in the southern and eastern counties. Precipitation varied between 1.55 inches at Scott and 6.30 inches at Marion. Thunderstorms were reported on the 25th and 26th.

MISCELLANEOUS.

February 25.—A windstorm on the boundary between Trigg and Christian counties damaged or destroyed dwellings and outbuildings.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind.† Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.15	30.61	1	29.52	25	5348	8.0	27	sw.	26
Cincinnati .....Ohio	30.15	30.63	2	29.64	26	8888	5.8	24	sw.	26
Evansville..... Ind.	30.17	30.64	1	29.58	25	4837	7.2	24	sw.	26
Lexington ..... Ky.	30.16	30.62	2	29.73	28	6757	10.1	36	sw.	26
Louisville .....Ky.	30.16	30.63	2	29.66	25	5333	7.9	25	sw.	26

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo .....Ill.	84	65	68	170.0	303.5	56	11	7
Cincinnati .....Ohio.	92	71	73	165.5	300.9	55	8	8
Evansville .....Ind.	79	63	66	155.4	302.2	51	8	8
Lexington .....Ky.	89	73	..	128.9	302.2	43	6	12
Louisville .....Ky.	84	67	69	166.6	302.2	55	10	8

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature. Monthly average.	Departure from 40-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 40-year normal.	No. of days with .01in or more rain	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	34.1	− 2.5	74	3	1.91	−1.54	..	..	..	..	....
1890...	45.6	+ 9.0	86	16	7.98	+4.53	..	..	..	..	....
1891...	42.2	+ 5.6	76	0	4.72	+1.27	..	..	..	..	....
1892...	42.2	+ 5.6	70	11	2.92	−0.53	..	..	..	..	....
1893...	37.7	+ 1.1	70	3	4.40	+0.95	..	..	..	..	....
1894...	34.6	− 2.0	74	2	4.66	+1.21	..	..	..	..	....
1895...	25.9	−10.7	80	−18	0.66	−2.79	5	12	8	8	....
1896...	37.4	+ 0.8	81	− 2	3.06	−0.39	9	9	8	12	....
1897...	39.8	+ 3.2	76	18	5.75	+2.30	11	8	7	13	1.2
1898...	37.4	+ 0.8	77	− 3	1.61	−1.84	6	10	8	10	2.6
1899...	26.2	−10.4	61	−30	3.57	+0.52	11	9	6	13	10.8
1900...	32.5	− 4.1	76	− 9	4.68	+1.23	12	7	8	13	7.0
1901...	32.4	− 4.2	71	1	1.27	−2.18	6	10	7	11	2.1
1902...	27.9	− 8.7	69	− 3	1.30	−2.15	7	10	6	12	2.8
1903...	37.5	+ 0.8	75	−16	7.25	+3.83	9	11	4	13	6.1
1904...	35.2	− 1.4	79	− 2	2.22	−1.13	7	11	8	10	2.6
1905...	27.9	− 8.7	67	−16	2.44	−1.61	9	10	5	13	3.9
1906...	34.7	− 1.9	75	−12	1.81	−1.64	7	16	5	7	5.9
1907...	35.7	− 0.9	73	−10	3.05	−0.39	9	11	5	12	7.6
1908...	35.6	− 1.0	70	− 2	5.56	+2.11	13	9	5	15	3.1
1909...	42.4	+ 5.8	75	− 8	8.17	+4.72	11	12	4	12	1.0
1910...	32.9	− 3.7	66	−12	4.70	+1.25	10	12	4	12	11.9
1911...	42.0	+ 5.4	80	11	3.25	−0.20	9	19	4	14	0.4
1912...	29.7	− 6.9	68	−14	3.08	−0.37	7	10	5	14	3.3
1913...	34.8	− 1.8	77	− 2	2.94	−0.51	7	14	5	9	1.4
1914...	39.2	+ 4.4	69	− 2	4.14	+0.69	11	10	5	13	7.2
1915...	41.9	+ 5.3	75	13	1.74	−1.71	8	9	6	13	0.2
1916...	35.0	− 1.6	72	− 4	2.99	−0.46	9	11	6	12	5.0
1917...	34.8	− 1.8	80	− 9	3.51	+0.06	8	9	8	11	4.7
1918...	39.3	+ 2.7	83	− 8	2.04	−1.41	7	11	7	10	0.6
1919...	39.6	+ 2.9	80	12	1.79	−1.66	9	11	5	12	1.1
1920...	35.7	− 0.9	71	0	2.27	−1.18	0	8	5	15	3.8
1921...	41.3	+ 4.7	77	11	3.20	−0.25	19	8	5	15	8.9
1922...	41.3	+ 4.7	76	4	3.68	+0.13	10	8	6	14	0.8
1923...	34.6	− 2.0	74	− 4	4.67	+1.22	10	10	5	13	1.6
1924...	36.0	− 0.6	71	9	2.46	−0.89	9	9	5	15	1.9
1925...	44.0	+ 7.4	75	8	3.91	+0.46	0	12	6	13	0.6
1926...	41.1	+ 4.5	70	4	3.34	−0.31	19	8	7	12	1.4
1927...	41.6	+ 5.0	81	15	2.65	−0.80	11	10	6	12	4.2
1928...	25.1	− 1.5	72	5	2.48	−0.97	10	11	4	14	1.0
1929...	31.2	− 5.4	68	−14	3.58	+0.13	9	10	7	11	12.6

Climatological Data for February, 1929.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	25	31.4	− 4.8	62	26	− 2	11	46	4.05	+0.87	1.08	7.5	8	14	5	9	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	25	31.3	− 6.4	59	26	− 2	10	29	3.80	+0.54	1.47	6.2	9	4	15	9	nw.	W. A. Taylor.
Earlington	Hopkins	420	39	32.4	− 3.9	62	26	0	10	30	4.85	+1.24	1.49	10.5	8	13	1	14	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	..	..	..	..	..	..	..	..	3.63	..	2.30	10.7	9	..	..	..	..	P. H. McGinnis.
Greenville	Muhlenburg	519	12	31.6	− 7.7	60	26	1	10	32	3.85	+0.51	1.17	16.5	0	8	11	9	s.	C. R. Lovell.
Hopkinsville	Christian	524	33	32.8	− 5.6	60	26	0	10	27	4.57	+0.88	1.09	12.7	11	9	5	14	se.	W. E. Graves.
Lovelaceville	Ballard	..	..	31.8	..	60	26	0	10	27	4.37	..	1.78	12.5	7	10	7	11	ne.	B. Sallee.
Marion	Crittenden	571	31	30.0	− 7.0	59	26	− 3	9†	36	6.30	+3.26	..	10.5	..	11	9	8	n.	B. C. Paris.
Mayfield	Graves	364	20	33.6	− 5.7	68	26	5	10	40	4 80	+1.16	2.00	13.0	7	9	8	11	ne.	Mrs. C. R. Sowell.
Murray	Calloway	412	3	32.8	..	68	26	5	10	40	2.68	..	1.20	14.8	5	16	0	12	w.	Harry B. Arnold
Owensboro	Daviess	479	32	29.7	− 6.4	58	26	2	12	31	3.87	+0.94	1.90	9.5	8	15	3	10	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	..	..	..	..	..	..	..	..	4.20	..	2.98	9.0	10	..	..	..	..	George McGlemary.
Paducah (near)	McCracken	516	12	31.6	−10.1	63	17	3	12	34	4.21	+1.35	1.48	14.5	6	13	4	11	nw	J. W. Lilley
Paducah (near)	McCracken	341	40	..	..	..	..	..	..	..	3.85	+0.48	2.85	11.5	8	..	..	..	..	Frank L. Brown.
Princeton	Caldwell	529	22	31.1	− 5.3	60	26	− 1	10	33	5.74	+1.55	2.36	12.0	11	9	5	14	s.	Dr. W. L. Cash.
Russellville	Logan	357	..	..	..	..	..	..	..	..	3.69	+0.97	2.08	13.0	8	..	..	..	..	Thos. L. Wetzell.
Kuttawa	Lyon	352	..	..	..	..	..	..	..	..	2.80	..	1.49	7.8	11	..	..	..	..	C. L. Moore.
Addison, Dam 45	Breckinridge	700	28	28.7	− 4.3	60	26	− 4	10	34	2.05	−0.79	0.63	7.5	8	18	1	9	se.	C. E. Barret.
Anchorage	Jefferson	637	32	30.8	− 4.9	62	26	3	10	39	3.60	−0.07	1.25	11.7	7	17	4	7	ne.	Mrs. Emily T. Sisco.
Bardstown	Nelson	500	40	33.6	− 4.0	63	26	4	23	41	5.45	+1.55	2.60	13.0	10	9	11	8	w.	Mrs. Lillie G. Causey.
Bowling Green	Warren	469	4	..	..	..	..	..	..	..	4.57	..	1.82	17.1	5	..	..	..	..	Jas. R. Hines.
Bowling Green, No. 2	Warren	410	12	..	..	..	..	..	..	..	3.87	−0.33	1.58	9.2	8	..	..	..	..	Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	773	38	..	..	..	..	..	..	..	4.76	+0.67	2.05	22.0	10	..	..	..	..	T. A. Lewis
Burnside	Pulaski	422	30	..	..	..	..	..	..	..	1.58	−0.75	0.88	..	13	..	..	..	..	Shelby Angel.
Carrollton, Lock 1	Carroll	489	3	..	..	..	..	..	..	..	2.46	..	0.87	6.2	8	..	..	..	..	Bert Ross.
Cold Spring, Dam 36	Campbell	770	5	32.6	..	61	26	5	1	36	3 38	..	1.46	10.5	6	8	12	8	..	G. D. Glass.
Dix Dam, Burgin	Mercer	1177	35	32.7	− 2.1	62	18	5	1	42	3.93	+0.07	1.45	16.4	8	9	5	14	s.	Mrs. Katie Payne.
Eubank	Pulaski	589	37	30.8	− 5.1	62	26	3	1	33	2.45	−0.77	0.70	8.5	11	11	4	13	w.	Sidney Wood.
Frankfort	Franklin	691	34	33.8	− 5.2	66	26	9	10†	34	5.29	+0.40	1.30	11.0	11	11	13	4	nw.	M. E. Johnson.
Franklin	Simpson	449	18	..	..	..	..	..	..	..	2.09	−0.97	0.74	..	12	..	..	..	..	Albert Purvis.
Gest, Lock 3	Henry	780	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Dr. Fidelia Edwards.
Glasgow	Barren	506	4	..	..	..	..	..	..	..	1.83	..	0.93	..	12	..	..	..	..	W. T. Dugan.
Grant, Dam 38	Boone	581	36	30.7	− 4.2	63	26	− 6	23	48	4.54	+0.64	0.85	12.0	12	4	7	17	n.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	550	27	..	..	..	..	..	..	..	4.13	+0.88	1.41	13.5	9	..	..	..	..	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	646	31	31.0	− 5.1	61	26	1	10	27	2.71	+0.42	0.90	8.0	7	9	6	13	sw.	W. J. Piggott.
Irvington	Breckinridge	446	31	31.0	− 3.6	60	26	− 3	23	39	4.41	+0.67	1.07	18.0	11	8	10	10	s.	Caroline Grubbs.
Junction City	Boyle	985	35	31.0	− 3.6	60	26	− 3	23	39	3.36	..	0.95	..	11	..	..	..	..	L. J. Vanbook.
Lancaster	Garrard	1032	3	..	..	..	..	..	..	..	3 76	+0.28	0.80	15.0	10	8	9	11	nw.	H. H. Willis.
Leitchfield	Grayson	635	33	31 1	− 4.1	61	26	4	10	31	3.37	−0.25	1.34	13.5	12	9	7	12	sw.	C. S. Weather Bureau.
Lexington	Fayette	989	45	29.2	− 6.2	59	26	0	1	27	4.08	+0.73	1.35	15.0	10	..	..	..	..	Horace Canter.
Little Hickman, Lock 8	Jessamine	522	18	..	..	..	..	..	..	..	1.67	−0.95	0.38	6.8	10	..	..	..	..	Andrew J. Keenan.
Lockport, Lock 2	Henry	476	19	..	..	..	..	..	..	..	2.16	−1.39	1.05	4.7	12	7	12	9	s.	C. S. Weather Bureau.
Louisville	Jefferson	525	56	30.7	− 6.5	60	26	4	1	24	2 26	−0.51	1.15	8.5	7	8	10	10	n.	Wm. I. Hunt
Louisville	Do.	534	19	30.0	− 6.5	60	26	3	1†	28	4.54	..	1.60	..	9	..	..	..	..	A. G. Hubbard.
Louisville (Cherokee Park)	Do.	600	4	..	..	..	..	..	..	..	3.67	−0.15	1.19	13 0	9	15	5	8	..	Sisters of Loretto.
Munfordville	Hart	777	33	29.9	− 4.6	62	26	− 3	10	36	4.65	+1.44	1.70	14.0	9	..	..	..	..	Ernest M. Searcy.
St. John	Hardin	490	15	..	..	..	..	..	..	..	4.55	..	1.60	7.5	8	5	10	13	s.	E. B. Wilson
Salvisa, Lock 6	Mercer	900	31	28.0	− 4.2	60	26	− 7	1	39	1.55	−1.10	0.65	7.5	9	13	3	12	sw.	Miss Ruth Ratta.
Scott	Kenton	825	40	28 0	− 6.5	60	26	− 4	10	35	3.15	−0.42	0.87	10 8	9	10	5	13	nw.	R. D. Bourne.
Shelbyville	Shelby	489	37	29.2	− 4.2	61	26	− 2	10†	42	2.90	−0.56	0.72	11.8	9	..	..	..	..	H. K. Vaughn.
Taylorsville	Spencer	526	11	..	..	..	..	..	..	..	3 25	+0.12	1.04	8.5	7	..	..	..	..	Mrs. E. S. Humlong
Tyrone, Lock 5	Anderson	943	26	27.8	− 4.2	59	26	− 1	10	29	2.03	−0.70	0.37	8.5	11	8	12	8	w	H. J. Lewis.
Williamstown	Grant	533	12	..	..	..	..	..	..	..	4.28	+0.72	1.50	13.0	10	..	..	..	..	Curtis Purvis.
Woodbury, Lock 4	Butler	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Robert S. Smallwood.
Eastern Division.																				
Ashland	Boyd	534	12	30.6	− 6.8	61	27	3	23	39	2.91	−0.15	0.93	14.5	12	7	3	18	s.	Chas. C. Graham.
Beattyville	Lee	650	31	31.2	− 4.5	60	18	− 6	23	50	4.18	+0.31	1.43	19 9	13	8	6	16	se.	Kelly Walden
Berea	Madison	1070	27	31.2	− 5.1	59	26	4	1	34	4.62	+1.51	1.57	18.2	11	..	..	..	..	P. H. Kehoe.
Callaway Hill, Lock 11	Madison	601	19	..	..	..	..	..	..	..	3.33	+0.67	0.57	16.0	11	..	..	..	..	J. W. Oldham.
Carlisle	Nicholas	684	11	..	..	..	..	..	..	..	2 28	−0.50	0.66	12.0	9	..	..	..	..	Mrs. R. F. Stamper.
Catlettsburg	Boyd	600	40	..	..	..	..	..	..	..	1.99	−1.20	0.50	6.3	11	..	..	..	..	C. A. Glascock
Falmouth	Pendleton	668	21	29.1	− 7.5	60	27	−14	23	57	4.36	+1.36	1.16	13.0	10	12	3	13	e.	John A. Walters.
Farmers	Rowan	841	4	..	..	..	..	..	..	..	3.50	..	1.17	..	6	..	..	..	..	Col. Frank Powers.
Flemingsburg	Fleming	593	13	..	..	..	..	..	..	..	3.72	+0.91	1.82	13.1	10	..	..	..	..	T. Mitchell.
Ford, Lock 10	Clark	589	4	..	..	..	..	..	..	..	3 17	..	0.80	15.0	10	..	..	..	..	Chas. O. Brig.
Grayson	Carter	540	9	..	..	..	..	..	..	..	2.85	−0.14	1.20	11.0	9	..	..	..	..	S. C. Cole.
Lewisburg, Dam 30	Greenup	869	5	..	..	..	..	..	..	..	3.72	..	1.08	14.8	13	..	..	..	..	Carl Napier.
Hazard	Perry	664	12	..	..	..	..	..	..	..	3 22	−0.15	0.92	17.0	12	..	..	..	..	R. R Davidson.
Lock Berg, Lock 14	Lee	1092	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Russian Cobley.
Redman	Rowan	1566	4	..	..	..	..	..	..	..	3.95	..	0.93	..	9	..	..	..	..	Perry E. Bennett
Jenkins	Letcher	584	25	..	..	..	..	..	..	..	2.82	−0.51	0.70	14.2	9	..	..	..	..	Matthew Woodson.
Ligonier	Lawrence	593	32	30.0	− 4.7	61	26	0	1	41	2 46	−0.71	0.73	10.2	12	10	7	11	sw.	W. R. McKee.
Maysville	Mason	1128	33	36.7	− 3.1	62	19	12	28	38	4.01	−0.69	1.10	..	6	6	14	8	..	Andrew M. Stanforth.
Middlesboro	Bell	930	33	29.0	− 5.2	59	26	− 1	23	42	2.81	−0.94	0.62	15 5	10	13	1	13	nw.	Robert Reposs.
Mount Sterling	Montgomery	497	7	..	..	..	..	..	..	..	2.57	..	0.87	12.2	10	..	..	..	..	F. C. Bell.
Oneonta, Dam 55	Campbell	636	23	..	..	..	..	..	..	..	4.40	+1.06	1.20	14.0	9	..	..	..	..	R. W. Jones.
Pikeville	Pike	640	4	..	..	..	..	..	..	..	4.87	..	1.44	19 0	11	..	..	..	..	Walter P. Bush.
Prestonsburg	Breathitt	732	4	32.6	..	61	18	− 8	23	58	3 68	..	1.12	20.0	11	..	..	..	..	J. W. Crooke.
Quicksand	Breathitt	631	11	..	..	..	..	..	..	..	3.79	+0.77	1.35	..	7	..	..	..	..	Thos. Sullivan.
Rowlett, Lock 12	Estill	926	38	33.1	− 2.2	60	18†	5	1	32	4.12	+0.68	0.88	14.5	10	10	5	13	..	H. M. Ennis.
Sassafras	Madison	544	16	..	..	..	..	..	..	..	4 69	+1.51	2.00	19.5	12	..	..	..	..	C. H. Zimmerman.
Valley View, Lock 9	Madison	525	14	..	..	..	..	..	..	..	5 37	+1.47	2.40	16.0	8	..	..	..	..	Lawrence R. Uhl.
Vanceburg, Dam 32	Lewis	1142	4	..	..	..	..	..	..	..	2.16	..	0.78	11.0	8	..	..	..	..	Jessie Hicks.
Whitesburg	Letcher	..	32	35.8	− 3.0	64	18	7	24	46	3.46	−0.11	1.00	17.6	6	20	5	3	..	
Williamsburg	Whitley	1000	..	..	..	..	..	..	..	..	2 52	−0.23	1.35	16.0	6	..	..	..	..	
Willow, Lock 14	Lee	611	10	..	..	..	..	..	..	..	3.58	+0.13	2.98	12.6	9	10	7	11	s.	
State averages and extremes		..	..	31.2	− 5.4	68	26	−14	23	57	..	..	..	..	..	..	..	..	..	

All temperature data are taken from self-registering thermometers.

All precipitation data are taken from automatic instruments and totals are computed only for such stations as have ten or more years of record; but all complete reports are published regardless of length of record. Dashes (-) indicate missing data. Trace, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River and its navigable tributaries. Dams are on the Ohio River.

Dates of occurrence and number of days are given for the extreme values, and to date maximum monthly precipitation is the number of days measured; for example, 5 represents two days, etc.

Dates followed by † are preceding to the table indicate number of days missing; for example, 5 represents two days, etc.

Reference letters, a, b, c, appearing in the table indicate that data are to be included in means and summaries. T, Precipitation is less than 0.01 inch rain or melted snow. tr, Trace. Oak.

a Also on other dates. b Enlarged for date to be included in means and summaries. c Precipitation is less than 0.01 inch rain or melted snow.

* Destroyed addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 7, Lockport, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Reed House, Ky.; Scott, Independence, Ky.

0 [illegible] ... [illegible] ... [illegible] ...

Daily Precipitation for February, 1929.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G			.25		.15			.39							.05			.80		.45			.97	1.08						4.09
Calhoun	G			.15	.05			.13	.38	T.						.01			.65		.28			.68	1.47		T				3.50
Darlington	G		T.	.45				.15	.35										.70	.10	.40			1.21	1.49						4.30
Ferds Ferry, Dam 50	O			.05	.20			.05	.45							T.			.60	.10	.25			.09	2.30						3.64
Greenville	G			.10	.04	.15		.03								.03			.75	*	.50			1.15	.98						3.45
Hopkinsville	C		.05	.22			.21	.01	.21						T.	.06			.80	.11	.65			1.05	1.01						4.55
Lovelaceville	M			.20	T.	T.		.11	.23							T.			.70		.27			1.75	1.08	T.					4.37
Marion	O																															6.30
Mayfield	M			.20				.20							.10				.20	.60				2.00	1.50						4.50
Murray	T			.55	T.			T.	.13										.60	.20				1.20							2.08
Owensboro	O			.10	.10			.09	.20							T.			.82	T	.05			1.05	1.90						6.87
Owensboro, Dam 46					.20	.08	.03	.07	.23							.01			T	.30	.10			.20	2.08		T				4.20
Paducah (near)	O			.32					.35										.50		.45			1.45	1.05						4.21
Paducah	O		T.	.10	.20			.04	.40										T	.10	.30			.30	2.35						3.85
Princeton	G	T.	.02	.22	.05	.08	T.	.13	.45						.02				.80	1.25		T.		2.36	.36						6.74
Ramsey, Lock No. 2	G				.25	.10		T.	.30	T.						.05			T.	.05	.60	T.			.20	2.08						3.69
Russellville	G				.34	.15			.30											1.15	.25			.15	1.54		.15				4.48
Uniontown, Dam 49	O				.21			.04	.15							.05			.04	.10	.10			.10	1.78						2.57
Central Division																																
Addison, Dam 45	O				.14	.16	T.	.03	.10											.40	.15	.02			.20	1.49		.08				2.80
Anchorage	O			.03	.03	.17			.28							.03			.16	.32				.03	.43						2.45
Bastletown	S			T.	.30	.19			.50										T.	.03	.50				1.25		.15				3.50
Bowling Green	G				.30			.10	T.							.03			.15	.05	2.60			.80	1.20	.04	.18				5.45
Bowling Green, No. 2	G				.46				.32							T				.80	1.11	T.				1.82		T				4.57
Brooksville, Lock No. 6	G				.43	.18			.35											.84	.05			.24	1.58		.16				5.87
Burnside	C			T.	.28	.29	.15		.11	T.						.09				.72	2.05		T.	.02	.92		.12				4.76
Carrollton (Lock No. 1)	K	.12			.03			.04	.38											.19	.18			.05	.88		.06				1.88
Coral Spring, Dam 36	O	.03			.01	.03	.14	.05	.26	T.										.06	.08	.17	.02	T.	T.	.87	.68	.06				2.46
Dix Dam, Burgin	K	.10			.05		.25													.75	.75			.12	1.46						3.38
Eubank	S					.23	.21		.34							.08				.70	1.45				.92		.03				3.93
Frankfort	K	.02			.15	.05	.04		.45	T.						T.				.53	.57	.02			.05	.70	T.	.07				2.45
Franklin	G				.15	.20	.20		.35						.25				.25	.91			.40	1.30	1.10		.18				5.29
Gest, Lock No. 3	K	.03				.09	.06	.08		.35	.03									.30	.31	.02			.04	.74		.04				2.69
Grant, Dam 38	O																															
	O				.01	.04	.10	.07	.28	T	T.			T.		.04			.12	.06	.10	.03		T	.93		.10				1.83
Greensburg	G			.13	.29	.20		T.	.50							.16			.83	.15	.57			.85	.73	.08	.05				4.54
High Bridge, Lock No. 7	K				.30	.08	.13		.21											.85	.80			.06	1.41	T.	.24				4.13
Lexington	O			.10	T.			T	.35							T.			.40		.25			.90	.60	T.	.45				2.71
Loudon City	K				.30	.24			.33							.03			.77	.22	.60			.51	1.07	.08	.17				4.41
Lancaster	K	.01			.25	.12	.16		.18							.01				.76	.75			.11	.95		.06				3.36
Leitchfield	G			.15	.20	.18			.35										.75	.02	.50			.80	.75	T.	.06				3.76
Lexington ***	K			.22	.09	.06	T.	.10	.27						T.	T.			.84	.20	.13			.70	.64	.07	.05				3.37
Little Blackman, Lock No. 8	K	T.			.40	.15	.14		.24							.04				.74	.60	T.			.22	1.35		.20				4.08
Lockport, Lock No. 2	K				.07	.04	.06	.01	.38	T.									.31	.27				15	.32		.06				1.67
Louisville ***	O			.14	T.	.12	.01	.15	.14							T.			.35	.10	.07			.79	.27	.03	.01				2.16
Do (Cherokee Park)	O				.16	.12		T.	.23											.30	.24				1.15		.02				2.26
Mumfordville	G				.54	.21			.41							.10				.81	.51			.16	1.60		.11				4.54
St. John	S			.22	.08	.18			.21							T.			.75	T.	.68			1.19	.81		.06				3.57
Salvisa, Lock No 6	K				.24	.24			.48	.20										.70	.70	T.			.19	1.50		.2				4.65
Scott	L				.05	.09		T.	.29										.16	T.	.25			.10	.55		.06				1.75
Shelbyville	S				.28	.18	.02		.33										.67		.62			.56	.40		.09				3.15
Taylorsville	S			.06	.25	.13		T	.40										.52		.39			.72	.36		.07				2.90
Tyrone, Lock No. 5	K			.18		.17			.42										.57	.70				1.04		.17					3.20
Williamstown	L	.10			.06	.26		.02	.37										.22	.02	.84			.33	.31		.06				2.03
Woodbury, Loc. No. 4	G	.01			.37	.19			.28							.05				.85	.75				1.50		.08				4.28
Eastern Division																																
Ashland	O	.10			.10	.02	.31		.11	.07										.59	.50			.02	.93	.10	.06				2.91
Beattyville	K	.03	T		.12	.98	18		.11	.03						.06	T.			.65	1.43		T	.02	.80	.05	.16				4.18
Berea	K				.25	.41			.35							.07				.93	1.57			.58	.36		.10				4.62
College Hill, Lock No. 11	K	.04			.22	.10	.20	T.	.26							.03				.80	.68	T.		.05	.95		.07				3.33
Cynthiana	K	T.		.10	.05	.15	.02	.38												.52	.40			T.	.60		.10				2.38
Falmouth	L	T.			.04	.05	.21	.03	.30	T.									T	.28	.53	.08		.08	.50		.09				1.99
Farmers	L	.13				.49	.16		.31										.20	*	.04			.86	1.16		.11				4.36
Flemingsburg	L				.15	.33			.27										.78	.80				1.17							3.50
Coral Lock No. 10	K	.02			.24	.29	.12		.13	T.						T.				.70	.65	T.		.04	1.32	T.	.15				3.72
Grayson	O	.20			.19	.46	.13		.17											.60	.45			.16	.80	.06					3.17
Greenup, Dam 30	O	.01					.16		.17	.08										.27	.70				1.30	.02	.20				2.55
Hazard	K	.03			.11	.21	.25		.62	.02										.35	1.03		.02		.65	.11	.24				3.23
Heidelberg, Lock No. 14	K	.04			.12	.39	.20		.15	.07						.06	.02			.69	.50				.92		.15				3.22
Hillsboro	K																															
Jenkins	K																															
Louisa	L			.24	.30	.35									.28				.41	.93				.54	.37	.60					3.97
Maysville	O	.05			.07	.11	.21								.16					.65	.70				.60	.08					2.82
Middlesboro	C				.12	.13	.15		.22	.01	T.									.45	.48	.02			.04	.73		.06				2.46
Mount Sterling	L				.09	.80															.70			.80	1.10		.52				4.01
Owenton, Dam 35	O				.22	.05			.10										.51	.52	.43			.38	.31	.05	.06				2.81
Pikeville	B	.12			.01	.08	.21	.04	.53	T.									T.	.41	.24			T	.87		.06				2.57
Prestonsburg	B	.10			.10	.08	.56		T							T				.48	1.20			T.	.86	.32	.50				4.40
Quicksand	K	.20			.10	.28	.33		.03							.10				.42	1.40				1.44	.27	.26				4.87
Ravenna, Lock No. 12	K	T.			.10	.40	.20		.05	.04						.10				.70	.60	T.			1.12	.11	.26				3.68
Richmond	K				.07	.25	.10		.12	T.						T				.68	1.55				1.25		T.				3.79
Valley View, Lock No. 8	K			.35	.88			.20								.03			.10	.88	.85			.40	.72		.15				4.12
Vanceburg, Dam No. 32	O	.10			.50				.24	.08						.08			.80	.83	.01			2.00	.01	.25					4.69
Wellsburg	K	T.			.12	.20	.12		.20	.07										1.25	.75				2.40		.05					5.32
Williamsburg	C	T			.30	.21	.23			.06						.10				.29	.48	T.			.78	.14	.20					2.16
Willow, Lock No. 13	K				.15			.02								.28				1.15	1.00				.89		.28					3.49
																				.60	1.35				.10		.10					2.32

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

* Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. † Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

*Lone Oak

Daily Temperatures for February, 1929.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	30	31	36	34	38	40	39	42	38	28	32	36	47	45	45	49	58	58	40	26	40	35	45	56	53	62	51	55	..	..	..	42.5
	Minimum	9	7	15	28	30	32	32	33	17	1	2	6	19	16	22	30	27	34	15	5	20	15	1	23	28	41	28	37	..	..	..	20.2
Calhoun	Maximum	28	29	34	38	36	37	37	37	23	26	38	43	42	48	45	54	52	28	21	38	37	44	53	62	59	62	54	54	..	..	..	39.5
	Minimum	9	17	23	27	29	33	31	32	18	2	4	4	22	16	20	27	29	32	17	12	20	22	15	29	40	51	31	35	..	..	..	23.1
Carlisle	Maximum	24	31	34	33	37	38	38	40	37	22	27	34	48	42	43	49	58	58	40	26	40	35	45	56	53	62	51	55	..	..	..	40.8
	Minimum	10	17	24	28	30	33	31	33	18	0	4	6	23	16	23	29	32	32	15	9	20	22	15	33	38	52	29	35	..	..	..	23.9
Carlington	Maximum	28	30	34	34	37	38	38	40	36	25	28	36	45	43	42	44	55	54	38	29	37	35	42	52	52	60	51	52	..	..	..	40.5
	Minimum	7	16	23	26	30	32	31	32	18	1	5	6	23	14	22	29	28	32	19	13	20	18	10	26	36	50	28	35	..	..	..	22.6
Greenville	Maximum	32	35	34	35	35	39	40	40	38	31	32	40	49	45	41	41	58	49	40	20	40	38	49	57	51	60	54	55	..	..	..	42.2
	Minimum	8	17	22	27	28	31	29	33	18	3	10	31	21	16	24	29	24	29	20	14	19	15	7	22	38	48	30	34	..	..	..	23.3
Hopkinsville	Maximum	27	30	32	32	35	41	41	37	32	25	27	36	46	41	41	46	58	55	54	37	41	39	45	53	56	60	50	48	..	..	..	46.1
	Minimum	10	20	24	27	28	31	29	33	18	3	10	31	21	16	24	29	24	29	20	14	19	15	1	23	28	41	28	34	..	..	..	23.4
Lovelaceville	Maximum	27	30	32	32	35	41	41	37	32	25	27	36	46	41	41	46	58	55	54	37	41	39	45	53	56	60	50	48	..	..	..	46.1
	Minimum	10	20	24	27	28	31	29	32	15	0	7	12	26	18	28	24	30	28	16	12	20	22	18	30	41	43	33	33	..	..	..	23.4
Marion	Maximum	25	28	33	31	36	37	36	36	30	33	27	31	40	39	42	46	48	54	57	26	37	34	43	46	54	56	54	53	..	..	..	39.2
	Minimum	8	15	16	21	27	30	27	30	3	3	5	10	26	15	25	28	30	27	15	9	20	19	20	24	32	45	32	32	..	..	..	20.8
Mayfield	Maximum	30	35	35	33	36	41	42	43	43	29	27	38	43	45	41	45	56	58	50	31	38	50	50	54	62	68	55	62	..	..	..	44.3
	Minimum	10	20	25	27	26	31	27	32	16	11	5	10	25	19	28	26	28	30	18	12	21	15	14	15	39	45	31	32	..	..	..	22.8
Murray	Maximum	29	35	35	34	37	41	44	41	36	21	30	50	45	50	41	40	59	58	40	30	51	40	46	54	53	58	50	52	..	..	..	43.7
	Minimum	10	19	25	24	27	32	25	32	16	5	10	10	25	16	24	29	21	30	13	10	20	10	10	20	31	50	30	32	..	..	..	22.0
Owensboro	Maximum	22	30	35	33	32	35	37	35	33	18	23	34	38	39	43	43	54	43	44	35	35	37	47	56	53	62	49	51	..	..	..	38.6
	Minimum	5	12	28	24	24	29	30	30	14	5	4	2	20	18	22	24	25	27	27	8	17	17	11	24	35	49	27	32	..	..	..	20.8
Paducah (near)	Maximum	28	32	33	33	36	42	43	37	35	23	28	37	46	43	43	46	59	61	52	41	23	40	39	45	52	59	50	51	52	..	..	40.9
	Minimum	10	19	25	28	26	31	27	32	15	9	5	3	18	15	25	28	30	27	15	9	20	19	20	24	32	45	32	32	..	..	..	22.2
Princeton	Maximum	26	30	34	33	36	38	39	37	30	21	25	34	42	41	43	43	56	53	36	23	37	37	42	52	53	62	49	51	..	..	..	42.2
	Minimum	9	18	24	28	28	32	29	30	16	1	4	7	25	17	26	29	26	31	21	13	23	17	12	25	39	49	31	35	..	..	..	23.0
Russellville§§	Maximum	28	31	34	33	35	38	38	43	24	27	29	38	45	43	39	43	55	44	32	24	33	30	44	52	62	59	45	52	..	..	..	39.1
	Minimum	9	18	20	25	29	33	33	33	24	7	8	11	17	17	22	30	28	33	31	15	17	11	9	18	23	43	31	35	..	..	..	22.3
Central Division.																																	
Anchorage	Maximum	22	31	32	34	37	39	38	39	33	26	27	32	42	38	43	45	56	44	32	21	36	31	42	51	50	60	48	51	..	..	..	38.6
	Minimum	2	11	15	19	29	29	32	32	14	4	0	0	14	14	16	26	25	28	18	6	10	15	8	29	31	43	29	30	..	..	..	18.8
Bardstown	Maximum	27	28	34	36	37	38	40	43	38	26	30	33	45	46	42	47	56	49	47	22	37	37	43	41	58	62	49	50	..	..	..	40.4
	Minimum	5	10	13	24	32	34	31	33	25	3	5	8	18	17	19	29	27	30	15	8	19	19	4	19	33	50	27	36	..	..	..	21.1
Bowling Green	Maximum	30	33	37	41	35	40	39	44	41	30	30	38	48	45	40	46	59	58	49	28	39	41	45	52	59	60	54	52	..	..	..	42.2
	Minimum	10	27	24	30	32	34	34	34	22	9	11	12	23	18	25	32	37	33	27	10	21	16	4	20	34	46	31	35	..	..	..	25.0
Dix Dam	Maximum	24	31	34	32	35	44	46	44	42	26	32	37	54	44	43	43	55	50	39	22	43	35	43	58	58	61	49	48	..	..	..	42.2
	Minimum	5	14	18	21	21	30	30	34	32	10	12	11	22	21	19	31	28	33	26	10	17	23	8	18	33	49	33	38	..	..	..	23.0
Eubank	Maximum	26	29	40	39	36	39	37	52	48	32	30	40	48	42	40	40	52	62	50	41	40	40	40	51	51	60	50	55	..	..	..	42.6
	Minimum	6	13	18	26	31	33	33	32	21	12	10	9	18	22	22	28	22	28	23	14	20	17	17	9	40	40	30	36	..	..	..	22.8
Frankfort	Maximum	23	27	33	38	39	40	39	43	40	28	27	30	42	42	41	42	52	51	42	22	34	34	39	49	49	59	52	53	..	..	..	39.9
	Minimum	8	12	16	20	29	35	34	34	27	5	4	6	19	20	18	32	26	31	21	8	14	22	6	18	31	46	30	33	..	..	..	21.8
Frankfort	Maximum	38	38	35	33	36	39	40	44	43	30	31	39	50	44	39	46	56	38	28	41	41	44	51	55	54	66	51	56	..	..	..	43.1
	Minimum	10	16	24	22	33	35	33	34	22	9	13	15	34	19	26	31	30	24	17	22	9	14	24	33	41	32	37	38	..	..	..	24.6
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Greensburg	Maximum	27	30	36	37	37	40	39	44	40	30	30	36	46	42	43	45	55	57	43	28	37	35	42	52	51	63	56	50	..	..	..	41.3
	Minimum	5	12	19	25	29	31	31	30	24	9	9	7	17	16	20	20	19	23	23	11	17	14	6	7	28	45	25	25	..	..	..	19.6
Irvington	Maximum	24	28	32	32	37	40	38	40	36	24	27	37	42	39	43	44	53	46	24	21	36	32	41	51	53	61	51	52	..	..	..	38.9
	Minimum	6	14	20	24	30	34	33	33	17	1	5	5	20	18	23	31	31	31	18	9	19	21	14	29	39	51	30	37	..	..	..	23.0
Junction City	Maximum	26	27	37	38	36	39	39	44	39	29	30	37	46	43	40	42	53	57	45	27	39	32	43	51	50	60	55	48	..	..	..	41.1
	Minimum	4	12	16	24	30	33	33	32	14	7	11	14	22	16	22	32	32	30	15	8	20	18	20	3	12	21	43	26	..	..	..	20.8
Lederich	Maximum	27	28	31	33	37	39	39	44	39	28	29	34	43	42	41	45	51	49	36	26	37	33	41	51	52	61	50	52	..	..	..	39.4
	Minimum	6	14	21	26	29	33	32	32	20	4	9	9	21	16	24	30	28	33	20	10	19	17	10	25	36	49	29	36	..	..	..	22.8
Lexington	Maximum	18	28	30	37	37	37	36	40	33	22	24	32	41	37	40	43	52	49	32	29	32	27	37	48	57	59	47	46	..	..	..	36.9
	Minimum	0	10	11	18	28	34	31	33	14	7	6	12	25	19	26	30	27	29	13	6	10	14	10	28	41	39	33	36	..	..	..	21.5
Louisville	Maximum	21	27	32	35	38	40	39	39	32	21	27	29	41	38	42	44	52	48	36	21	36	33	42	54	60	60	47	52	..	..	..	38.4
	Minimum	4	13	16	21	29	34	33	32	11	7	11	14	22	18	22	32	32	30	15	8	20	19	18	30	48	49	40	46	..	..	..	23.0
Do. (Cherokee Park)	Maximum	22	27	32	34	36	38	39	38	33	23	27	28	40	40	42	45	52	51	37	21	36	33	41	51	52	61	50	52	..	..	..	38.9
	Minimum	3	12	15	20	20	33	32	32	21	4	8	4	19	18	19	26	24	32	17	7	18	20	14	25	36	49	29	36	..	..	..	21.1
St. John	Maximum	27	28	32	40	37	39	40	41	38	28	29	42	46	40	42	45	52	51	37	24	35	34	46	54	56	62	53	52	..	..	..	41.6
	Minimum	3	11	16	27	27	30	31	32	14	3	9	12	20	12	19	28	23	31	28	6	9	9	6	12	14	47	23	33	..	..	..	18.3
Scott	Maximum	19	26	29	32	32	35	36	36	35	25	29	28	42	40	42	45	56	57	41	22	36	32	39	49	47	60	50	50	..	..	..	38.1
	Minimum	−7	4	8	12	25	32	32	32	32	1	4	2	18	19	17	30	28	30	15	1	15	13	5	19	30	42	27	34	..	..	..	17.9
Shelbyville	Maximum	22	26	28	35	38	38	37	40	37	24	28	34	42	39	41	45	51	48	36	20	36	32	39	49	47	60	51	50	..	..	..	38.7
	Minimum	−3	8	12	15	26	32	30	30	19	4	2	1	15	14	17	29	24	31	16	2	13	16	5	20	32	41	26	34	..	..	..	19.7
Taylorsville	Maximum	23	27	33	35	38	38	39	41	38	25	27	33	46	41	43	45	54	51	47	24	33	30	40	50	49	61	53	53	..	..	..	41.6
	Minimum	4	13	17	21	29	31	33	32	25	2	6	2	14	17	17	31	24	29	21	8	18	21	12	26	37	49	32	37	..	..	..	20.7
Williamstown	Maximum	20	23	23	34	34	36	37	39	38	25	27	33	46	42	40	40	41	51	48	35	37	35	43	52	53	62	52	54	..	..	..	40.9
	Minimum	4	7	9	12	25	32	31	31	22	1	1	3	17	17	19	28	26	30	15	1	13	15	10	21	32	42	27	34	..	..	..	18.7
Eastern Division.																																	
Ashland	Maximum	31	24	26	33	38	37	40	37	39	38	33	41	44	46	55	60	40	24	39	38	43	53	57	61	53	..	..	..	..	..	..	41.0
	Minimum	15	6	8	9	15	28	34	33	34	16	12	12	16	22	18	18	27	27	28	8	9	22	5	14	31	38	25	..	..	..	..	19.1
Beattyville	Maximum	26	29	34	40	37	40	40	52	39	34	32	40	48	44	46	50	55	60	42	24	41	33	43	52	52	58	50	48	..	..	..	41.6
	Minimum	11	11	15	22	29	34	35	31	31	15	10	11	19	21	16	31	26	24	25	6	24	11	−6	6	28	34	20	35	..	..	..	20.7
Berea	Maximum	23	28	35	39	38	40	39	50	46	40	33	42	46	45	47	42	49	42	23	37	30	43	51	52	59	63	48	51	..	..	..	40.9
	Minimum	4	11	16	23	30	34	33	32	29	13	10	10	21	21	22	33	31	33	23	11	14	18	9	24	37	51	31	36	..	..	..	23.4
Farmers	Maximum	28	25	35	38	37	38	38	46	41	33	30	35	46	41	41	45	56	57	51	46	40	35	48	53	52	..	..	..	..	..	..	*42.3
	Minimum	2	1	5	11	23	31	32	30	29	9	4	6	16	22	11	27	16	22	26	6	16	12	−1	2	22	..	..	..	..	..	..	*15.9
Flemingsburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Hindman	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Maysville	Maximum	29	26	31	37	38	38	40	43	42	35	39	43	48	46	45	47	54	52	38	25	37	35	39	52	47	61	50	46	..	..	..	40.6
	Minimum	0	2	6	10	26	32	33	32	30	8	8	7	19	28	15	28	23	31	20	2	15	22	1	11	26	41	26	30	..	..	..	19.1
Maysville	Maximum	32	35	42	42	42	43	41	57	53	47	41	38	43	46	44	49	59	60	57	36	42	42	49	57	58	67	56	56	..	..	..	47.3
	Minimum	18	12	25	31	32	33	32	33	36	23	15	13	18	18	24	33	29	37	30	21	25	27	15	5	19	46	32	36	..	..	..	26.4
Middlesboro	Maximum	26	23	32	36	45	46	46	46	26	29	31	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	..	..	..	43.9
	Minimum	1	6	10	16	25	32	32	31	30	8	8	7	19	26	16	26	26	27	15	5	19	10	−1	12	20	32	28	30	..	..	..	21.4
Mount Sterling	Maximum	25	30	36	43	38	42	45	57	47	35	33	39	47	45	41	41	56	61	60	34	38	36	45	54	59	63	54	53	..	..	..	44.8
	Minimum	15	10	14	22	29	34	36	31	33	17	12	12	19	24	21	31	19	23	29	18	21	19	10	23	34	45	33	38	..	..	..	23.4
Quicksand	Maximum	25	28	38	49	28	39	43	40	31	29	40	47	42	38	42	55	55	60	42	25	37	31	42	55	48	60	49	47	..	..	..	41.8
	Minimum	5	12	17	22	29	33	37	31	13	12	11	23	22	24	29	29	27	36	24	16	16	20	10	26	28	40	29	37	..	..	..	21.4
Richmond	Maximum	30	31	39	45	42	45	44	60	52	38	36	48	49	48	48	49	54	64	61	47	41	40	48	52	53	63	56	53	..	..	..	47.1
	Minimum	12	15	21	30	31	35	35	29	32	20	8	12	20	20	27	30	21	26	28	18	23	17	17	27	31	44	33	38	..	..	..	24.4
Williamsburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* ** etc. indicate respectively 1 2 3 etc. days missing from record

W. B. O. Louisville 3-30-29-10-30

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

THE LIBRARY OF THE
MAY 17 1929
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., MARCH, 1929 No. 3

GENERAL SUMMARY.

The first decade was generally cold, windy, and disagreeable, with some freezing and thawing unfavorable to winter grains. After the 10th, decidedly warm weather predominated and conditions favorable for outdoor work prevailed. The relatively light precipitation permitted good soil drainage early in the month, at which time sod plowing began on hillsides and uplands. Plowing was extended to fallow land with marked progress. The favorable weather caused farm and garden activities to be pushed to a degree not often possible in this month. Moderate rains stopped this work at times for brief periods, but satisfactory progress continued in the upland districts. Sowing of tobacco plantbeds commenced during the mild weather of the second decade, and proceeded to completion with little interruption from unfavorable weather. Oats were sown late in the month, potatoes were extensively planted, and early gardens received attention. Because of the deep freezes and generally moderate precipitation of the winter preceding, the soil worked exceptionally well. Under the stimulating influence of the high temperature, seeds of early vegetables germinated, shrubs and fruit trees burst into bloom; while grains, grass, clover, and alfalfa started quickly into rapid growth as if forced in a hotbed. Peaches, plums, and pears were in full bloom in the last week, even in the northern districts. Although wheat on wet or heavy soils showed evidence of winter killing in spots, on the better drained soils the crop exhibited a good stand of vigorous plants with little or no indication of winter injury. Tillering commenced late in the month. Bluegrass pastures on warm slopes reached the grazing stage in the last week. Vegetation in general was about two weeks ahead of the season, and spring work was almost equally advanced.

TEMPERATURE.

The records of 42 temperature stations gave an average for the State of 52.0°, which is 5.7° above normal. The periods 12-15th, 22d-25th, and the 31st were remarkably warm, with mean temperatures 10° to 30° above normal and maxima of 90° to 99°. The highest for the State, 94° at Hopkinsville on the 24th, is a record for this month. In the short cold period, 7-10th, minima of 10° to 15° occurred at most eastern stations, with the lowest, 9° at Farmers and Scott on the 10th.

PRECIPITATION.

Precipitation for the State, as shown by the reports from 42 stations, averaged 4.17 inches, which is slightly less than normal. It increased with some regularity from 2.5 inches along the middle Ohio River to 4-5 inches in the district extending from the Big Barren to the lower Big Sandy. Between the southern Bluegrass and the Tennessee and Virginia borders, precipitation ranged from 6.0 to 10.0 inches, with the heaviest in the upper Cumberland Valley. The snowfall was 2.0 to 5.0 inches in the Bluegrass and northeastward, but very light southward. Moderate to heavy rains occurred in the period 6th, 13-14th, and 29-30th. The rainfall was excessive on the 5d in the southeastern counties. There was measurable precipitation on nearly every day from the 13th to 31st. Monthly amounts varied between 1.91 inches at St. John and 10.20 inches at Middlesboro. Thunderstorms were reported on the 7th, 11th, 19th, 25th, 28th, and 31st.

MISCELLANEOUS.

March 15.—A farmer was killed by lightning near Delaney, while in the open.
March 31.—A windstorm caused damage of about [illegible] to a brick [illegible] at Ashland, and further losses estimated at $2,000, mostly to barns and outbuildings, in Boyd County.

PRESSURE AND WIND.

Stations	Atmospheric Pressure, (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction	Date.
Cairo ..... Ill.	29.98	30.56	16	29.51	15	5314	9 8	37	sw.	31
Cincinnati ..... Ohio	29.98	30.65	10	29.29	6	6250	8 4	37	nw.	6
Evansville..... Ind.	30.09	30.63	10	29.48	6	7056	10 2	50	sw.	15
Lexington ..... Ky.	30.01	30.65	10	29.41	5	10889	14 6	42	w.	16
Louisville ..... Ky.	30.06	30.72	10	29.39	6	8678	11 7	38	w.	6

*For any five minute period. †By Gump anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	81	64	61	226.2	371.4	61	14	6
Cincinnati ..... Ohio	81	62	58	218.9	371.1	59	11	6
Evansville..... Ind.	78	58	69	245.7	371.2	66	15	4
Lexington ..... Ky.	74	58	...	181.5	371.2	49	7	9
Louisville ..... Ky.	77	56	58	203.3	371.2	71	16	4

COMPARATIVE DATA FOR MARCH.

Year.	Temperature. Monthly average.	Departure from 46-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 46-year normal.	Average Number of Days. No. of days with .01in or more rain.	Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	40.5	− 5.8	84	18	1.52	−3.17	..	..	..	..	....
1890...	44.2	− 5.1	78	4	8.24	+3.65	..	..	..	..	....
1891...	41.8	− 4.5	71	9	8.08	+3.39	..	..	..	..	....
1892...	46.6	− 5.7	82	7	4.08	−0.61	..	..	..	..	....
1893...	45.0	− 1.3	89	5	2.76	−1.93	..	..	..	..	....
1894...	50.8	+ 4.5	86	10	2.72	−1.95	..	..	..	..	....
1895...	45.0	− 1.8	88	15	3.17	−1.52	9	13	7	10	....
1896...	41.1	− 5.2	80	8	6.16	+1.47	12	9	9	13	....
1897...	49.6	+ 3.3	86	29	7.94	+3.25	14	8	9	14	6.2
1898...	50.7	+ 4.4	84	16	7.59	+2.90	13	8	9	14	1.0
1899...	43.3	− 2.4	82	− 3	8.10	+3.41	15	8	10	13	2.4
1900...	42.8	− 2.5	81	− 3	2.58	−2.11	8	11	8	12	3.9
1901...	46.4	+ 0.1	87	3	3.50	−1.19	10	9	7	15	0.5
1902...	47.2	+ 0.9	82	7	4.44	−0.25	11	10	9	12	0.1
1903...	52.5	+ 6.2	85	19	4.43	−0.26	12	9	7	15	T.
1904...	47.7	+ 1.4	88	12	6.56	+1.87	13	8	8	15	0.5
1905...	52.2	+ 5.9	86	22	4.45	−0.24	9	15	6	10	T.
1906...	53.2	+ 7.1	95	8	6.37	+1.68	16	6	5	20	2.0
1907...	54.9	+ 8.6	92	18	2.28	−2.41	10	13	6	12	0.8
1908...	51.8	+ 5.5	85	19	5.42	+0.78	13	10	7	14	0.7
1909...	45.8	− 1.5	91	17	5.14	+0.45	11	11	7	13	T.
1910...	58.0	+ 8.7	94	11	0.70	−3.99	3	18	7	6	0.3
1911...	46.0	− 0.3	87	7	2.37	−2.12	9	14	5	12	0.6
1912...	41.3	− 5.0	88	10	5.22	+1.53	15	9	3	19	0.6
1913...	46.5	+ 0.2	85	9	7.22	+3.53	10	12	7	12	0.5
1914...	41.8	− 4.5	87	2	3.62	−1.07	12	10	6	15	6.4
1915...	37.8	− 8.5	65	11	2.11	−2.58	8	12	8	11	5.9
1916...	43.5	− 2.8	81	4	3.39	−1.30	10	12	8	11	3.3
1917...	45.9	− 0.4	84	6	6.32	+1.63	14	13	8	12	5.1
1918...	51.6	+ 5.3	85	17	1.95	−2.72	8	15	7	9	T.
1919...	47.6	− 1.3	81	16	5.58	+0.91	12	13	6	12	T.
1920...	46.3	0.0	88	1	4.85	+0.16	10	15	6	10	T.
1921...	56.7	+10.4	87	19	5.55	+0.86	11	13	9	9	0.6
1922...	45.4	− 0.8	83	19	3.11	−1.58	14	9	6	16	T.
1923...	45.6	− 0.7	84	8	5.27	+0.58	9	15	7	9	T.
1924...	41.5	− 4.8	83	11	3.25	−1.64	6	9	5	17	1.8
1925...	49.2	+ 2.9	84	4	3.59	−1.10	9	12	6	13	0.4
1926...	39.2	− 6.1	83	3	2.89	−1.80	11	12	5	14	2.3
1927...	48.4	+ 2.1	82	16	6.01	+1.35	11	12	7	12	3.5
1928...	45.6	0.7	85	12	2.64	−2.58	8	12	8	11	2.7
1929...	52.0	+ 5.7	94	9	4.17	0.52	10	13	8	10	1.2

Climatological Data for March, 1929.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				
				Mean.	Departure from the normal	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.
Eastern Division																			
Beaver Dam	Ohio	441	25	54.7 + 7.1	93	24	18	10	40	4.03	−0.21	1.00	0	8	17	8	6	e.	Mrs. Lena F. Taylor.
Calhoun	McLean	487	25	53.9 + 5.7	89	24	19	10	35	2.72	−2.00	0.64	0.3	8	3	19	9	sw.	W. A. Taylor.
Carlington	Hopkins	420	39	54.4 + 6.7	91	24	20	10	36	3.71	−1.28	1.50	T.	9	17	4	10	sw.	Brick Southworth
Fords Ferry, Dam 50	Ohio	356	..	..	..	..	..	..	..	2.51	.....	0.70	0	10	.....	.....	.....	.....	P. H. McGinnis.
Greenville	Muhlenburg	519	12	53.6 + 5.4	89[b]	24	12[c]	10	41[b]	3.60	−1.35	1.02	.....	11	11[b]	12[b]	6[b]	s.	C. R. Lovell.
Hopkinsville	Christian	524	33	54.0 + 1.1	94	24	19	10	41	4.64	−0.39	1.37	0	11	10	4	17	se	W. E. Graves.
Lovelaceville	Ballard	..	31	53.0 + 4.8	83	25	17	11	33	3.75	.....	1.00	0	12	13	9	9	sw.	H. Salles.
Marion	Crittenden	571	31	54.2	89	24	21	10	45	2.65	−1.95	0.65	0	5	6	19	6	s.	B. C. Paris.
Maxfield	Graves	364	20	54.6 − 3.7	90	25	20	10	32	3.06	−1.98	1.00	0	3	19	1	11	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	3	54.7	92	24	19	10	38	3.80	.....	1.80	0	3	19	1	11	s.	Harry B. Arnold
Owensboro	Daviess	479	32	51.4 + 4.3	86	25	18	10	40	2.08	−2.46	0.75	T.	8	17	4	10	s.	Henry S. Berry.
Owensboro, Dam 45	Daviess	404	..	..	..	..	..	..	..	2.30	.....	0.74	T.	10	.....	.....	.....	.....	George McClemary.
Paducah, Dam 46	McCracken	316	12	54.2 + 5.0	90	25	22	10	34	3.97	−1.35	0.90	0	8	17	7	7	sw.	J. W. Lilley
Paducah, Ingrs	McCracken	341	40	.....	.....	.....	.....	.....	.....	3.37	−1.00	0.70	T.	14	9	11	11	s.	Frank L. Brown.
Paducah	Caldwell	529	22	53.6 + 5.1	90	24	20	10	35	2.99	−2.16	0.70	T.	14	.....	.....	.....	.....	Dr. W. L. Cash.
Princeton	Caldwell	384	12	.....	.....	.....	.....	.....	.....	2.88	−1.74	0.88	0	8	.....	.....	.....	.....	Thos. L. Wetzell.
Russell, Lock 2	McLean	390	18	51.9 + 3.1	89[g]	24	19[h]	10	38[h]	3.23	−2.17	0.91	0	7	16[i]	1[h]	13[g]	s.	Wm. Shelton.
Russellville	Logan	590	..	.....	.....	.....	.....	.....	.....	2.96	.....	0.67	0	10	.....	.....	.....	.....	H. R. Sale.
Uniontown, Dam 47	Union	357	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central Division																			
Addison, Dam 45	Breckinridge	352	..	..	..	..	..	..	..	2.94	.....	1.34	.....	10	.....	.....	.....	.....	C. L. Moore.
Auburn	Jefferson	700	28	50.6 + 5.5	90[b]	25	11[c]	10	40	2.34	−1.90	0.76	1.0	7	19[b]	5[b]	5[b]	se.	C. E. Barret.
Bardstown	Nelson	695	32	52.1 + 4.3	91	24	13	10	39	2.86	−1.92	0.65	.....	9	20	5	6	s	Mrs. Emily T. Sisco.
Bowling Green	Warren	530	40	55.0 + 6.5	92	24	19	10	43	5.02	−0.80	1.20	2.0	9	11[c]	11[c]	5[b]	w.	Mrs. Lillie G. Causey.
Bowling Green	Warren	469	4	.....	.....	.....	.....	.....	.....	3.52	.....	1.30	3.7	5	.....	.....	.....	.....	Jas. R. Hines.
Bowling Green, No. 2	Warren	410	12	.....	.....	.....	.....	.....	.....	4.03	−2.28	0.86	T.	12	.....	.....	.....	.....	Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	553	38	.....	.....	.....	.....	.....	.....	9.09	+3.73	4.09	T.	12	.....	.....	.....	.....	T. A. Lewis
Burnside	Pulaski	422	30	.....	.....	.....	.....	.....	.....	2.13	−1.45	0.92	.....	6	.....	.....	.....	.....	Shelby Angel.
Carrollton, Lock 1	Carroll	489	3	.....	.....	.....	.....	.....	.....	2.56	.....	0.69	T.	15	.....	.....	.....	.....	Bert Ross.
Cold Spring, Dam 35	Campbell	770	5	52.2	89	25	17	10	36	3.92	.....	1.19	.....	10	12	11	8	s.	G. D. Glass.
Dix Dam, Burgin	Mercer	1177	35	50.6 + 4.5	88	25	12	10	41	7.25	+2.27	3.50	2.5	8	5	16	16	s.	Mrs. Katie Payne.
Eubanks	Pulaski	560	37	51.8 + 5.2	87	25	17	10	38	2.39	−2.22	0.56	0.5	12	15	3	13	s.	Sidney Wood.
Frankfort	Franklin	691	34	54.9 + 5.3	93	23	24	10	39	4.48	−0.66	1.10	0	9	19	8	4	s.	M. E. Johnson.
Franklin	Simpson	449	18	.....	.....	.....	.....	.....	.....	2.81	−2.07	0.63	.....	11	.....	.....	.....	.....	Albert Purvis.
Gest, Lock 3	Henry	449	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. Fidelia Edwards.
Glasgow	Barren	780	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. T. Dugan.
Grant, Dam 38	Boone	596	4	.....	.....	.....	.....	.....	.....	2.05	.....	0.81	0	14	.....	.....	.....	.....	..
Greensburg	Green	581	36	51.6 + 5.0	88	24[i]	13	10	44	5.83	+0.66	1.70	0	12	3	4	24	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	590	37	.....	.....	.....	.....	.....	.....	3.01	+0.83	1.14	.....	8	.....	.....	.....	.....	Miss Lula Wood.
Irvington	Breckinridge	646	31	52.6 + 5.4	87	24[i]	19	10	36	2.35	−2.39	0.75	1.0	7	13	9	9	sw.	W. J. Piggott.
Junction City	Boyle	985	35	51.3 + 5.2	89	24[i]	12	10	45	6.14	+0.97	1.86	4.0	13	16	8	7	s.	Caroline Grubbs.
Lancaster	Garrard	1032	3	.....	.....	.....	.....	.....	.....	5.42	.....	1.75	.....	10	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	635	33	53.1 + 6.6	88	24	17	10	35	3.46	−1.22	0.76	T.	11	10	13	8	sw.	H. H. Willis.
Lexington	Fayette	889	45	49.4 + 5.6	86	25	15	10	34	3.67	−0.65	1.29	7.5	13	11	11	9	sw.	U. S. Weather Bureau.
Louisville	Jessamine	523	18	.....	.....	.....	.....	.....	.....	4.46	+0.48	1.44	.....	9	.....	.....	.....	.....	Horace Cauter.
Zubelt-Okolona, Lock 8	Henry	476	19	.....	.....	.....	.....	.....	.....	2.66	−1.42	0.53	.....	11	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Jefferson	525	56	51.5 + 6.1	88	24	19	10	33	2.30	−2.09	0.71	1.0	11	10	13	8	s.	U. S. Weather Bureau.
Louisville	Jefferson	551	19	52.4 + 6.2	89	25	16	10	40	2.85	−1.36	0.88	2.0	11	12	11	8	sw.	Wm. J. Hunt.
Do Cherokee Park	Do	660	4	.....	.....	.....	.....	.....	.....	1.71	.....	1.21	0	8	.....	.....	.....	.....	A. G. Hubbard.
Munfordville	Hart	777	33	50.8 + 5.3	88	24[i]	14	10	41	1.94	−3.65	0.60	3.0	8	21	5	5	.....	Sisters of Loretto.
St. John	Hardin	490	15	.....	.....	.....	.....	.....	.....	4.13	+0.98	0.90	.....	7	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 5	Mercer	800	51	49.7 + 6.0	87	25	9	10	38	2.27	−2.11	0.57	2.0	15	4	18	9	se.	E. B. Wilson.
Shakertown	Kenton	525	40	49.8 + 4.9	88	24[i]	12	10	39	2.65	−1.24	0.77	T.	12	11	6	14	sw	Miss Ruth Ratta.
Shelbyville	Shelby	480	27	51.3 + 4.7	87	24[i]	15	10	39	2.68	−0.96	0.75	0.5	13	15	7	9	s.	E. D. Bourne.
Taylorsville	Spencer	..	..	.....	.....	.....	.....	.....	.....	2.21	−1.32	0.73	.....	6	.....	.....	.....	.....	H. K. Yeaman.
Tyrone, Lock 7	Anderson	526	11	.....	.....	.....	.....	.....	.....	3.19	−1.19	0.81	5.5	12	15	7	9	nw.	Mrs. E. S. Hunnlong.
Versailles	Woodford	915	26	49.2 + 4.6	86	25	11	10	38	2.83	−2.61	0.69	1.0	12	.....	.....	.....	.....	H. J. Lewis.
Warrenton, Lock 4	Butler	533	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Curtis Purvis.
Southern Division																			
Ashland	Boyd	534	12	48.2 + 0.6	92	26	13	10	33	1.66	+0.67	1.23	1.0	13	13	0	18	s.	Robert S. Smallwood.
Barbourville	Knox	1050	25	50.2 + 4.3	93	25	13	10	45	7.79	+2.71	3.14	1.2	12	9	11	11	w.	Chas. C. Graham.
Beattyville	Lee	650	25	50.2 + 4.3	93	25	13	10	36	7.45	+2.70	1.87	7.5	12	16	7	8	sw.	Kelly Weeden
Berea	Madison	1070	27	52.4 + 5.5	89	25	14	10	.....	5.39	−1.33	1.85	3.0	13	.....	.....	.....	.....	P. H. Rehoe.
Calhoun, Ext. Lock 11	Madison	601	19	.....	.....	.....	.....	.....	.....	2.42	−1.85	0.55	1.0	10	.....	.....	.....	.....	J. V. Oldham.
Cynthiana	Harrison	784	11	.....	.....	.....	.....	.....	.....	2.85	−1.26	0.89	T.	10	.....	.....	.....	.....	Mrs. R. F. Sumpter.
Greenup	Boyd	600	16	.....	.....	.....	.....	.....	.....	4.66	−0.46	1.07	.....	9	17	4	10	e.	..
Hazard	Perry	668	21	49.2 + 3.9	94	25	9	10	51	3.22	.....	1.12	.....	7	.....	.....	.....	.....	C. A. Glascock
Jamestown	Russell	889	4	.....	.....	.....	.....	.....	.....	3.31	−0.61	1.05	0.5	10	.....	.....	.....	.....	John A. Walters.
Lancaster	Garrard	1032	3	.....	.....	.....	.....	.....	.....	4.85	.....	1.23	4.0	10	.....	.....	.....	.....	Col. Frank Powers.
Loyall, Lock 14	Clay	1050	13	.....	.....	.....	.....	.....	.....	4.13	.....	0.95	6.0	12	.....	.....	.....	.....	T. Mitchell.
Manchester	Clay	1050	4	.....	.....	.....	.....	.....	.....	7.18	.....	3.40	T.	10	.....	.....	.....	.....	Chas. O. Bunch.
Morehead	Rowan	1100	5	.....	.....	.....	.....	.....	.....	8.60	+4.15	3.40	.....	11	.....	.....	.....	.....	S. C. Cole.
Mt. Sterling, Dam 36	Montgomery	897	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Carl Nesbet.
Nicholasville	Jessamine	1000	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. R. Davidson.
Owingsville	Bath	1000	4	.....	.....	.....	.....	.....	.....	7.13	.....	3.21	.....	10	.....	.....	.....	.....	Rossian Copley.
Pineville	Bell	1506	4	.....	.....	.....	.....	.....	.....	3.60	−0.49	0.84	.....	12	.....	.....	.....	.....	Perry E. Bennett
Pound	Lawrence	800	25	.....	.....	.....	.....	.....	.....	2.48	−1.40	0.62	0	13	8	12	11	s.	Matthew Woodson
Quicksand	Breathitt	1000	4	.....	.....	.....	.....	.....	.....	4.20	+1.62	1.00	0	9	21	6	4	.....	W. R. McKee.
Ravenna	Estill	1000	4	.....	.....	.....	.....	.....	.....	3.63	−1.58	1.05	6.0	9	14	6	11	nw.	Andrew M. Stanforth.
Rockhouse	Carter	1000	4	.....	.....	.....	.....	.....	.....	3.15	.....	0.68	.....	10	.....	.....	.....	.....	Robert Repass.
Salyersville	Magoffin	1000	4	.....	.....	.....	.....	.....	.....	5.86	−1.17	2.36	T.	10	.....	.....	.....	.....	E. C. Hall.
Stanton	Powell	1000	4	.....	.....	.....	.....	.....	.....	6.21	.....	2.15	.....	11	.....	.....	.....	.....	R. W. Jones.
Tompkinsville	Monroe	1000	4	.....	.....	.....	.....	.....	.....	7.11	.....	3.55	1.0	11	.....	.....	.....	.....	Walter P. Bush.
Vanceburg	Lewis	1000	4	.....	.....	.....	.....	.....	.....	5.80	+2.25	1.85	.....	8	.....	.....	.....	.....	J. W. Crosbie.
Williamsburg	Whitley	1000	4	.....	.....	.....	.....	.....	.....	5.45	+0.96	1.78	5.0	11	17	4	10	.....	Thos. Sullivan.
Wilmore	Jessamine	1000	4	.....	.....	.....	.....	.....	.....	4.55	+0.73	1.09	3.5	9	.....	.....	.....	.....	H. M. Fannin.
Woodbine	Whitley	1000	4	.....	.....	.....	.....	.....	.....	2.67	−2.37	0.80	.....	10	.....	.....	.....	.....	G. H. Zimmerman.
Yosemite	Lewis	1000	4	.....	.....	.....	.....	.....	.....	5.29	.....	2.05	1.0	9	.....	.....	.....	.....	Lawrence R. Uhl.
Yosemite	Lewis	1000	4	.....	.....	.....	.....	.....	.....	6.12	+1.16	3.82	T.	9	20[k]	4[k]	6[k]	.....	Jessie Hicks.
Yosemite	Lewis	1000	4	.....	.....	.....	.....	.....	.....	6.60	+2.13	3.40	.....	6	.....	.....	.....	.....	..
Yosemite	Lewis	1000	4	.....	.....	.....	.....	.....	.....	6.17	+0.82	4.60	1.2	10	13	8	10	s.

Daily Precipitation for March, 1929.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
ver Dam G		.10		.30	.98								.76	1.00						.15			.25								
lhoun G	T	T.		.16	.61								.38	.57	.03	T				.20	T.	.04				T		.45			
rds Ferry, Dam 50 O	T	T.		.70	.44								1.50	.47	.03	.01				.02	T	.16				T		.25			
nsville G	.13			.24	.81	.06							.35	.33	T.	.03	T			.18	T.	.43	T			.03	T	.12			
pkinsville C	.08			.61	1.17								.42	1.02	T	.02				.15	T	.61	.18			T		.25	T		
rianville M	T.		T.	.66	.46							T.	.61	.16	.28	.09				.24	.66	.14	.42				T	.61	.01		
rion O				.60	.50															.40						.16	.01	.79			
yfield M				1.60										.80	.07							.19						.65			
rray T					1.00								1.06														1.40			
nsboro O				.33	.30						T.	.27	.75	T.	.03	T.				.09	T.	T				T		1.80			
nsboro, Dam 46 O	T	T.		.86	.53								.22	.74		.02				.07		.12		.65		T		.29	.01	T	
heath (near) ¶ O				.60	.75								.85	.20	.21	.05						.70						.68			
heath O	T			.84	.76								.48	.20	.05	.12				.20		T	.16				T	.18			
nerton G	.08		T	.38	.52						T.		.50	.17	.04	.06			.21		.06	.01	.20				.01	.76		.65	
nsey, Lock No. 2 G	T.			.42	.62								.16	.88						.20								.67			
ssellville G				.28	.91									.83		.03							.08								
iontown, Dam 49 O				.67	.27								.40	.21	.18					.06		.05	T.			.11		.03			
Central Division																																
dison, Dam 45 O	T.	.03		.28	.42								.15	1.34		.06				.07		T	.21			T.		.12	.25		
chanan O				.26	.18								T	.76									.02	.08				.70			
ddistown S				.28	.55									.05	.16								.02	.08				.70			
wling Green G				.32	1.30								.12	.60						T			.32	.55				.15			
wling Green, No. 2 G	T.			.94	.20									.62		T				T			.18	1.20				.50	.05		
ownsville, Lock No. 6 G				.37	.74								.23	.80		.02				T		T	1.30				.85	T			
nside O	T	.04		.25	.91	.34							T.	1.20	.02	T				.19		.02	.51	.16			.18	.02		.73		
rrollton ‖ (Lock No. 1) K		.07		.12	.23									.92						.02		T.	1.00	.26			.02	.73		1.12		
d Spring, Dam 36 O		.05	T.	.16	.37	.63							.05	.69	.01	.21	.01			.09		.04	.17	T.			.27		.80			
Dam, Burgin ‖ K		.09		.13	.75	.25							.40																		
ank ‖ C				.43	.63	.25								.97						.12		1.19				.16		.71		.10	
nkfort ‖ K	.02	.03		.03	.56	.26							.05	.46	T.	.05	T			.01		T	.25				.18		.24	1.11		
nklin G				.35	1.10						.15		.55																.46		
t, Lock No. 3 ‖ K		.02		.11	.56	.08							.02	.53		.20	T.			.05			.10				.67		.03		
sgow G																																
nt, Dam 33 O	T	.06	T.	.17	.29	.05							.17	.81		.08	.03			.09		.08	.16			.52	.07	.18		T.	
nsburg G	.15			.47	.53								.01	.88		.01				.14		.48	1.70			.27		.52	.27		
h Bridge, Lock No. 7 K		.06		.05	1.11	.39								.49						.03			.86						.25		
nington O	T.			.31	.32								.25	.50	T	T	T			.15	T.	T	.25			T.		.55		.05	
ction City K	.11	.02		.55	.96	.01							.01	.73	T	T.				.22	T.	.58	1.86			.20		.55	.70		
caster ‖ K		.02		.03	.75	.80								.53			T.			.20			1.75	.01			.25		.58		
rfield G	.02			.33	.75								.40	.72						.16		T	.40			.05		.00	.17		
le Hickman, Lock No. 8 ‖ K	T.			.25	.70	.31							T.	.56		T				.02	.01	T.	.15	.51			.04		.44	T	
kport, Lock No. 2 ‖ K	T		.3	.63																.18	T.	1.44				.12	T.		.86		
ISVILLE *** O	.07		T.	.53	.33								.07	.35		.17			.08		.04	.08			.39			.53		.28	
o. (Cherokee Park) O	.08			.24	.45								T.	.53	.08	T.	.02	T		.04	T.	.16	.02				.18		.54	T	
fordsville ‖ G					.13	.01							.13	.88		.01				.07	T.	.10	.05				.14			.67		
John ‖					.15									1.21		.25				.21			.90					.98		.02		
ksa, Lock No 6 ‖ K	.03		T	.35	.55								.05	.2	T	.05															
t	L	.13	.02	.22	.85	.28							T.	.96		.10							.80			T.			.78		
byville S		T.		.28	.12								.06	.55		.26	T			.18	.02	.18	.01			.40		.01	.31	.02	
lorsville S	.02			.36	.57								.11	.77	.07	.02				.07		.01	.14			.10		.21	.45		
ome, Lock No. 5 K	.05				.36								.75	.58	.08	.02				.07		.03	.27			.21		.25	.33	T	
iamstown L	.02			.33	.81								.14	.71		.10				.12		.10	.05			.20		.14	.55		
odbury, Lock No. 1 G		.03		.25	.71	.01							.06	.48						.17			.42	.04		.04	.03		.69		
Eastern Division																																
land O	.03	.24		.03	.92	.95							.12	.39		.03	.04						1.23	.03			.21		.44		
tsville K	T	.16		.12	1.20	.08							.03	.73	.08	T	T			.20		T.	3.14	.14					.81		
ge Hill, Lock No. 11 K	.03	.05		.48	1.86									.80		.05				.25		.60	1.87			.49		.74			
mans L	.03	.13		.08	.75	.65							.07	.40		.03				.26		T.	1.55			.23	.22				
nouth L		T	.05	.80	.08										.12					.05			.3			.55	.03		.22		
L	.42			.08		.07							.05	.05		.15				.11			.1			.38	T.				
nsburg L		.15			1.12	.25							.07	.61		.10							.42			.26			.75		
l, Lock No. 10 ‖ K	T.	.11	T	.02	.16	.17								.15	.4								.10						.25		
yson O		.17			1.02	.57							.09	.55	T	T				.03	T	1.05			T	.09			.67		
nup, Dam 30 O	.02	.26		T.	.52	.55							.10	.35		.07						1.19	1.29			.30			.61		
rd ‖ K		.10		.06	.88	.38								.34	.05	.04				T.			.72			.30	.09		.34		
lberg, Lock No. 14 K		.13		.16	1.15	.20								.57		.17							3.40	.16			.17		.38		
man K														.91			.08	.17					3.40	.19			.4		.58		
rlns ‖ K																																
sa B					1.16	.70							.43	.29		.07	.04						3.21	.27			.48		.75		
gville O		.28		.05	.84	.50							.13	.63	.02					.05			.07	.12			.18				
flesboro C		.17		T.	.62	.24							.08	.23	T	.15	.03			.08			.21	.13		.56	.62		.33	T.	
nt Sterling L	.03	.34		.60	1.45								.07	1.52								1.10	4.60			.47		.06			
nta Dam 35 O		F		T.	1.09								.02	.48		T				T	.24	.02			.03		.13	.41		
ville B		.26		T.	.76	.32							T.	.68	.10	.33	T			.42			.18			.27			.50		
nsburg B		.22			.76	.50								.52	.35	T.	.12			T	T		5.08	.28					.56		
dsonville K		.28	.15	1.30		.67							.07	.41	.46						.22		2.15	.24			.45		.42		
nm, Lock No. 12 K	T	F		.15	.85	1.00							.18	.33		.03				.18			3.55				.68		.09		
mond ‖				.30	.40									.86	T	T				.22		T	1.85	T		T	.20				
y View, Lock No. 9 K	.03			.26	1.05								.05		.01					.14	.10	.10	1.75			.45		.90			
sburg, Dam No. 32 O	.25			.70	.90						.03	.50								.07		1.00				.20					
esburg ‖		.10		.80	.40									.30		.27				T.								1.00			
nsburg ‖ K		.18		.26	1.05	.11								.96		T				T		.02	3.43	.16				.20		.30	
ow, Lock No. 13 K	.03			.07	1.79	.56								1.19								T.	3.80	.10		T	.38		1.07		
				.30	1.35																		3.40			.45					

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *Precipitation included in the next following measurement.

¶ Average depth of snow on ground, 2 inches; T. Trace, or less than 0.01 inch.

† Lower drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. ¶Long Oak

...eveland, Kentucky, and Big Sandy, were estimated at $1,270,666. The damage to Burnside, where the crest of 73.3 feet was the highest of record. Green River was last ...d N. Railroad, losses are estimated at $500,000. Roads and business have suffered heavily in the flooded sections. In Pikeville and Barbourville most of the lower streets flooded, ...e Middlesboro, Pineville, Barbourville, Corbin, Bentyville, Pikeville, Bemisle... All of the lower section of Barbourville was covered with ... Several hundred families were ...many other places were extensively flooded, with heavy losses from deposits of ... crops, etc. Thousands of acres of rich farm land were ... and the ruin of fences, highways, and railroads suffered heavy damage. Sev... Central Kentucky ... devastated district, and many of them reduced to destitution. The ...bridges were washed out, including the highway bridge across the Cumberland at ... the Big Sandy reached 17.6 feet, or the 24-

Daily Temperatures for March, 1929.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																
Beaver Dam	Maximum	52	55	64	58	54	70	67	50	48	55	65	73	71	74	73	63	58	68	78	71	71	70	82	83	91	88	66	68	61	70	87	68.0
	Minimum	39	25	36	45	32	31	30	22	22	18	30	60	70	72	69	55	56	63	65	67	66	70	80	88	88	79	64	65	60	67	52	64.4
Calhoun	Maximum	50	51	60	56	47	68	68	47	46	50	60	72	72	69	55	56	63	65	67	66	70	80	88	88	79	64	65	60	67	52	64.4
	Minimum	40	28	41	46	32	36	39	26	32	19	38	46	55	57	51	39	31	33	45	43	49	58	61	62	66	51	44	45	45	45	50	43.4
Lexington	Maximum	50	53	62	58	48	66	65	49	48	52	63	71	73	74	69	56	58	65	66	67	68	73	81	91	88	82	64	65	61	67	83	65.7
	Minimum	30	26	40	47	32	33	29	25	32	26	33	60	57	52	53	39	28	30	46	42	47	50	60	68	68	51	42	47	47	47	53	43.2
Greenville	Maximum	50	58	61	59	48	69	64	48	45	53	62	72	78	78	70	54	58	...	66	66	67	70	80	89	87	78	...	64	58	69	83	†65.2
	Minimum	46	24	39	45	31	33	28	25	32	12	28	46	55	59	43	42	42	43	42	42	50	60	60	66	61	51	...	42	46	45	48	†42.0
Hopkinsville	Maximum	53	57	65	59	50	72	62	50	48	56	65	73	75	75	71	59	61	65	67	70	69	72	85	94	88	77	68	68	62	71	85	67.4
	Minimum	38	32	38	44	30	31	29	24	31	19	31	41	55	60	53	39	26	29	39	44	43	57	58	54	55	52	43	43	44	42	50	40.5
Lovelaceville	Maximum	48	55	57	56	50	68	64	46	45	50	62	65	67	72	68	58	60	62	66	66	68	73	85	92	89	85	77	58	65	58	68	62.8
	Minimum	38	26	38	43	32	40	31	27	31	21	39	48	56	49	52	41	30	33	44	45	52	58	61	62	66	57	46	58	46	47	54	44.5
Marion	Maximum	49	53	58	47	46	61	62	47	45	47	62	70	69	72	77	68	78	75	65	65	68	75	85	90	89	90	72	64	66	80	80	65.0
	Minimum	33	24	38	41	31	38	28	24	30	35	17	47	55	49	62	40	51	53	30	31	30	32	60	62	63	43	41	40	45	46	42	41.0
Mayfield	Maximum	48	25	40	48	31	38	28	24	30	35	17	47	55	49	62	40	51	53	30	31	30	32	60	62	63	43	41	40	45	46	42	41.0
	Minimum	38	25	39	45	32	38	30	27	31	20	36	48	55	48	51	41	29	37	44	44	46	57	59	60	60	44	57	45	46	48	53	66.1
Murray	Maximum	50	58	63	61	58	70	68	54	50	56	64	70	73	75	72	61	60	68	65	70	70	76	83	92	84	79	63	61	65	72	83	67.2
	Minimum	39	23	38	45	38	32	30	25	33	19	28	47	55	45	57	42	26	29	45	42	40	50	60	62	60	53	47	45	46	49	50	42.2
Owensboro	Maximum	49	51	60	56	46	67	61	45	45	50	59	71	71	74	69	55	56	62	65	65	64	70	79	82	80	61	62	65	59	64	71	62.6
	Minimum	36	25	35	41	29	36	27	23	28	18	32	41	49	58	59	35	26	30	39	36	40	56	61	59	54	46	48	41	44	43	42	40.1
Paducah (near)	Maximum	48	55	59	57	50	67	64	48	46	54	63	71	69	75	75	64	60	65	65	67	67	75	82	89	88	82	66	64	65	61	67	65.0
	Minimum	38	26	40	44	33	38	30	27	31	22	35	46	55	48	58	41	29	33	44	45	46	58	59	58	55	45	46	45	46	48	49	43.4
Princeton	Maximum	50	54	62	53	47	68	61	47	43	51	63	72	73	73	72	59	63	63	63	65	67	75	82	90	85	69	64	65	61	67	83	64.7
	Minimum	38	24	38	47	33	38	30	26	30	20	35	47	56	50	52	41	28	31	40	44	46	59	61	56	55	52	45	49	47	42	52	42.5
Russellville§§	Maximum	51	..	61	55	44	70	64	52	53	61	71	73	73	70	56	65	67	61	68	70	70	76	83	92	84	79	63	61	65	72	83	67.2
	Minimum	37	26	..	38	32	32	31	24	28	19	27	36	50	54	54	42	29	38	42	44	46	51	60	60	60	57	43	45	48	42	48	†41.1
Central Division.																																
Anchorage	Maximum	..	49	59	50	46	68	58	46	41	50	60	73	76	70	70	56	59	..	64	64	64	66	75	89	90	73	64	64	65	60	81	†63.4
	Minimum	..	24	38	42	32	28	27	16	28	11	25	37	52	51	48	46	25	..	34	33	40	54	55	52	60	40	38	36	37	40	45	†37.8
Bardstown	Maximum	46	51	58	53	51	69	64	50	45	49	66	73	76	72	73	51	51	67	65	67	68	76	91	90	80	70	66	67	56	67	82	64.3
	Minimum	37	25	37	42	32	34	29	18	33	13	27	37	55	57	51	39	29	28	41	40	40	50	60	60	60	40	40	40	40	48	45	89.9
Bowling Green	Maximum	51	55	61	55	53	72	67	53	45	58	64	74	76	77	74	60	55	66	67	68	69	68	82	92	90	84	70	68	62	70	83	67.5
	Minimum	37	37	38	45	32	32	31	30	35	19	36	58	58	58	58	51	40	34	31	42	45	45	58	60	58	59	56	44	42	45	47	42.5
Dix Dam	Maximum	49	48	60	59	50	66	63	49	47	49	62	70	72	72	72	59	63	63	63	65	69	65	82	86	89	82	64	60	60	58	65	63.6
	Minimum	31	30	35	43	30	30	30	21	35	17	26	35	55	58	54	39	30	30	40	45	48	55	60	55	55	51	47	46	46	45	48	40.9
Eubank	Maximum	47	51	61	59	53	73	71	51	44	52	65	73	74	72	72	64	49	66	58	63	69	72	81	91	92	82	64	60	58	63	78	69.1
	Minimum	33	26	31	41	30	30	29	17	17	12	27	35	54	56	53	37	31	24	38	44	46	56	57	55	51	52	40	44	40	42	44	38.1
Frankfort	Maximum	48	47	59	59	52	68	65	46	46	45	59	68	69	72	71	46	61	64	62	67	67	74	86	87	85	65	65	60	59	79	63.6
	Minimum	37	29	32	44	33	36	29	21	36	17	24	34	54	59	45	40	32	27	39	41	40	56	61	53	54	42	41	46	45	48	45	40.1
Franklin	Maximum	51	56	59	56	53	67	72	48	53	63	71	72	72	73	61	63	66	68	69	68	64	84	93	90	78	66	65	61	71	82	74	66.1
	Minimum	38	28	37	44	32	32	26	35	30	24	44	57	56	54	41	40	38	44	45	47	57	61	61	66	56	46	42	47	45	49	46	43.7
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Greensburg	Maximum	47	51	62	57	52	69	66	49	48	50	64	72	77	73	72	62	52	65	65	66	70	65	75	88	88	79	66	63	57	66	81	65.1
	Minimum	35	26	35	40	29	25	28	17	31	13	23	35	51	55	52	36	32	23	34	42	40	57	57	53	52	52	40	40	40	43	43	42.8
Irvington	Maximum	48	50	59	54	44	67	64	47	40	50	60	70	70	71	54	52	63	66	65	66	64	67	74	87	87	74	64	62	55	61	81	62.8
	Minimum	35	28	38	43	31	33	28	25	32	19	25	46	55	55	53	38	31	38	44	44	48	57	58	60	63	45	44	49	48	42.5		
Junction City	Maximum	47	49	60	54	50	65	65	49	44	49	63	72	74	71	73	69	49	64	64	67	69	63	73	89	89	82	65	62	53	64	79	64.1
	Minimum	35	26	32	41	31	30	29	16	32	12	21	38	51	57	56	37	28	28	47	42	38	66	57	60	55	52	33	47	40	46	39	38.5
Leitchfield	Maximum	49	51	60	55	49	68	62	47	45	51	60	70	74	70	70	58	54	63	64	66	67	76	88	89	92	83	64	65	56	66	80	63.9
	Minimum	37	37	38	43	31	33	29	28	32	17	32	45	55	53	53	38	30	32	40	42	42	58	60	59	64	42	42	45	46	46	46	42.3
Lexington	Maximum	44	44	56	50	44	62	59	44	40	46	58	68	70	68	70	49	43	59	60	60	66	64	75	88	87	72	58	53	55	77	58.6
	Minimum	36	26	36	41	29	28	23	20	18	15	33	45	54	57	44	33	30	26	44	42	48	57	58	56	57	42	47	48	44	41	47	40.2
Louisville	Maximum	45	47	57	52	44	67	58	47	48	47	60	71	74	70	70	51	47	62	63	64	65	68	73	88	88	82	64	60	50	62	80	60.6
	Minimum	34	30	40	42	31	34	28	23	20	16	35	46	54	57	51	36	33	33	47	43	48	58	62	66	68	59	56	58	53	58	48	42.4
Louisville	Maximum	50	47	57	57	49	67	67	47	47	48	60	71	75	75	71	70	46	62	63	64	64	67	74	88	89	86	67	64	57	67	40	64.2
Do. (Cherokee Park)	Maximum	50	47	57	57	49	67	67	47	47	48	60	71	75	75	71	70	46	62	63	64	64	67	74	88	89	86	67	64	57	67	40	64.2
	Minimum	36	28	37	42	31	32	27	21	31	16	30	40	52	55	53	38	31	28	42	40	45	56	57	56	57	42	46	46	44	40	46	40.5
St. John	Maximum	48	56	58	55	49	65	67	48	47	50	60	70	74	68	70	54	49	62	66	67	68	76	86	88	88	75	64	62	54	72	80	63.7
	Minimum	35	40	23	40	29	29	26	28	18	14	27	40	52	53	50	37	27	27	38	35	37	58	57	54	59	48	40	38	41	41	45	37.3
Scott	Maximum	45	44	52	51	46	63	62	46	40	44	59	70	71	69	70	66	48	61	63	59	61	63	74	84	87	80	62	59	51	51	78	60.5
	Minimum	31	26	35	41	31	30	24	18	25	9	26	40	52	56	50	38	30	26	39	41	39	42	52	60	57	48	38	36	37	61	58	80	62.7
Shelbyville	Maximum	47	47	57	53	49	66	62	47	43	50	60	71	74	70	71	59	48	63	65	65	64	64	75	88	87	74	65	62	58	61	57	59	81	62.6
	Minimum	34	23	32	40	30	27	25	24	16	25	12	27	50	54	48	35	27	27	38	41	40	58	57	54	57	47	37	38	38	33	44	43	37.0
Taylorsville	Maximum	46	47	59	55	50	67	64	46	44	46	60	70	73	69	71	58	48	63	65	65	64	64	75	88	87	74	65	62	58	61	56	59	81	62.6
	Minimum	35	36	33	42	31	29	28	19	30	15	23	37	51	60	53	36	28	27	38	41	40	58	57	54	57	47	37	38	38	33	44	43	37.0
Williamstown	Maximum	46	47	59	55	50	67	64	46	44	46	60	70	73	69	71	58	48	63	65	65	64	64	75	88	87	74	65	62	58	61	56	59	81	62.6
	Minimum	35	36	33	42	31	29	28	19	30	15	23	37	51	60	53	36	28	27	38	41	40	58	57	54	57	47	37	38	38	33	44	43	37.0
	Maximum	45	43	56	48	43	61	62	43	40	46	59	69	72	70	70	58	44	60	62	60	61	63	73	84	86	68	62	59	54	61	45	60.0
	Minimum	32	26	33	39	30	28	24	15	25	11	25	35	51	56	51	36	27	30	40	37	39	55	58	56	61	47	36	42	39	44	41	37.7
Eastern Division.																																
Ashland	Maximum	45	50	42	61	54	46	64	39	45	41	44	62	71	74	73	78	48	45	43	67	64	71	68	76	88	92	68	67	63	57	57	60 6
	Minimum	31	33	30	36	39	25	21	17	21	13	18	26	50	51	47	45	32	27	28	38	36	41	55	62	51	54	37	39	36	33	40	35.9
Beattyville	Maximum	50	49	62	60	49	65	62	50	42	52	63	69	73	70	75	60	48	50	52	58	58	68	78	88	89	87	67	66	62	67	78	64.0
	Minimum	29	31	23	32	32	22	31	17	27	13	18	27	50	56	48	39	32	32	33	42	36	48	54	64	64	61	52	51	51	47	63	42.0
Berea	Maximum	51	48	61	56	51	63	62	50	41	47	62	71	76	72	75	66	46	54	64	64	64	70	81	91	88	73	65	62	61	61	42	63.6
	Minimum	30	28	37	41	30	27	20	17	20	14	30	44	57	58	57	38	30	29	44	44	45	57	58	64	62	52	41	41	43	46	48	41.1
Farmers	Maximum	47	45	61	58	51	62	61	50	43	49	62	70	70	70	73	69	51	63	65	65	69	70	75	86	91	89	67	63	58	65	80	64.5
	Minimum	27	28	24	53	30	26	27	13	28	9	11	26	44	47	35	37	27	17	28	38	30	51	66	46	45	52	28	38	39	48	39	35.9
Hindman	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Maysville	Maximum	45	45	59	56	49	60	62	47	44	47	61	72	76	73	74	68	48	62	65	63	65	65	76	85	89	86	65	63	60	58	56	61.2
	Minimum	33	30	30	39	32	24	20	15	20	10	26	39	45	57	48	39	31	25	34	37	35	53	61	50	50	52	35	43	43	46	40	36.8
Middlesboro	Maximum	53	51	58	54	54	63	62	54	50	53	61	69	67	66	70	65	57	62	64	66	67	69	73	79	82	82	74	70	67	65	54	65.4
	Minimum	33	38	21	41	32	26	35	20	33	16	19	31	54	56	53	41	35	23	37	36	36	57	58	57	55	46	45	42	40	39	40	36.1
Mount Sterling	Maximum	47	49	60	55	45	65	65	46	46	48	61	72	74	72	73	66	48	64	64	65	67	73	84	90	87	78	67	64	58	62	81	63.0
	Minimum	29	25	29	39	30	20	25	15	26	10	26	36	50	56	52	38	27	23	36	40	37	58	57	55	55	40	38	43	42	46	46	38.6
Quicksand	Maximum	53	47	62	57	49	64	63	50	47	53	63	72	72	72	78	68	47	64	64	65	71	68	70	88	90	88	69	64	58	62	81	65.0
	Minimum	29	34	24	31	34	23	34	16	26	20	45	52	64	71	74	76	74	70	51	63	63	67	69	63	74	88	60	56	43	43	43	46	46	42.0
Richmond	Maximum	46	49	57	53	50	64	62	50	46	50	62	70	73	72	74	66	48	63	64	64	66	71	72	76	..	70	67	60	58	62	80	62.6
	Minimum	32	28	37	39	37	28	29	20	34	16	31	42	58	54	55	56	29	33	45	44	49	51	57	56	..	51	52	57	45	42	43	44	43	†38.9
Williamsburg	Maximum	54	50	62	56	53	68	67	54	51	54	62	73	72	71	77	69	51	63	63	67	69	69	74	88	90	88	69	64	58	62	81	66.0
	Minimum	32	31	31	43	31	26	33	19	35	15	20	29	55	57	52	40	33	27	40	40	42	54	57	..	51	57	45	42	43	44	43	†38.9

† Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

†† The highest temperature is 1, 2 ° etc. days missing from record.

W B O Louisville 4-27-29-1000

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., APRIL, 1929 No. 4

GENERAL SUMMARY.

The spell of warm weather that began early in the preceding month lasted through the first decade, making in all a period of thirty days in which temperatures averaged about 10° above normal. Vegetation continued its rapid advance, and spring work was pushed accordingly. In the second and third decades variable temperature prevailed, with the average somewhat below normal. Frequent decidedly cool days, with occasional light to heavy frosts, retarded growth sufficiently to bring about more seasonal conditions of vegetation by the end of the month. This slowing of growth was rather favorable for wheat, which had reached the jointing stage in the third week and was too far advanced for safety from late freezes. Although a larger proportion of tillable land had been prepared than usual, the cooler weather resulted in a tendency to defer the planting of corn and vegetables requiring warmth until conditions were more favorable for germination. Therefore, there was less planting of corn and cotton than weather conditions early in the month indicated as probable. Most of the corn planting occurred in the southwestern counties, where higher temperatures and lighter precipitation justified advancing the work. Plowing and soil preparation had reached such an advanced stage in the long period of highly favorable weather that ended with the first decade, that the frequent showers later did not seriously interfere, and this phase of farm activity remained ahead of the season throughout the month. Precipitation averaged near normal and was fairly well distributed through the month. Potatoes, oats, bluegrass, clover, and alfalfa made satisfactory progress. Gardens were adversely affected by the cool weather, especially vegetables requiring steady warmth. Fruit was damaged locally in some eastern localities by freezing temperatures on the 19th and 22d; but its average condition was better than usual. Showers during apple blossoming interfered with setting of fruit.

TEMPERATURE.

Reports from 42 temperature stations gave an average for the State of 60.1°, which exceeds the normal for the month by 3.9°. Most of this excess accumulated in the period of extraordinary warmth from the 3d to 9th, when daily temperatures averaged from 10° to 27° above normal. High minima resulted in exceptionally warm nights. Extremes for the State were 96° on the 6th at Ashland, Quicksand, and Williamsburg; and 23° on the 9th at Farmers.

PRECIPITATION.

The precipitation average for the State, as determined from the reports of 82 stations, was 3.57 inches, which is somewhat less than normal. In an irregular east-west belt across the center of the State, broadening to include most of the mountain district, amounts ranged between 2.0 and 3.5 inches. In the Northern counties, and in most of the south half of the State, from 4.0 to 5.0 inches occurred. There were light to moderate showers on the 1st, 20th-22d, and 25-26th. Moderate to heavy rains occurred quite generally in the periods 8-11th, 14-15th, and 28th. Monthly amounts varied between 1.63 inches at Whitesburg and 5.55 inches at Franklin. Thunderstorms were reported on the 1st, 3d, 4th, 6th, 10th, 11th, 20th, 21st, 25th, 27th, 28th, and 30th. Hail was remarkably general and frequently heavy on the 21st. It was heavy in some northern counties on the 25th.

MISCELLANEOUS.

April 1. A windstorm [illegible] Ballard, Carlisle, Crittenden, and Daviess counties, [illegible] corrected at 2[illegible]. A

PRESSURE AND WIND.

Stations	Atmospheric Pressure. In inches reduced to sea-level.					Wind.†				
								Max. Velocity.*		
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Av. hourly velocity.	Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.93	30.46	2	29.46	25	6887	9.7	36	sw.	25
Cincinnati ..... Ohio	29.94	30.43	2	29.26	25	6465	9.0	36	sw.	1
Evansville ..... Ind.	29.96	30.42	2	29.35	25	7[illegible]	10.2	38	sw.	25
Lexington ..... Ky.	29.96	30.44	2	29.29	25	10[illegible]	14.7	52	w.	1
Louisville ..... Ky.	29.96	30.43	2	29.31	25	[illegible]	12.3	48	sw.	1

†For any five minute period. ‡By Aerograph anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 60 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	79	63	63	269.6	364.8	66	15	4
Cincinnati ..... Ohio.	73	53	58	224.0	397.4	50	12	7
Evansville ..... Ind.	76	58	64	253.0	396.1	64	14	6
Lexington ..... Ky.	73	56	...	234.9	396.1	59	10	4
Louisville ..... Ky.	72	49	62	276.1	396.1	70	13	3

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.				Precipitation.		Average Number of Days.			
	Monthly average.	Departure from 43-year normal.	Highest.	Lowest.	Monthly average.	Departure from 40-year normal.	No. of days with .01 in. or more rain.	Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	57.0	+ 1.0	89	24	1.61	−2.42	..	..	..	..	....
1890...	57.0	+ 1.0	92	28	4.04	+0.01	..	..	..	..	....
1891...	58.0	+ 2.0	92	24	2.52	−1.51	..	..	..	..	....
1892...	56.0	0.0	88	22	7.12	+3.09	..	..	..	..	....
1893...	58.0	+ 2.0	94	21	6.99	+2.96	..	..	..	..	....
1894...	56.0	0.0	94	23	3.54	−0.49	..	..	..	..	....
1895...	57.2	+ 1.2	93	22	3.18	−0.85	5	13	8	9	....
1896...	63.6	+ 7.6	96	24	1.65	−2.38	6	13	12	5	....
1897...	55.5	− 0.5	90	25	6.03	+2.00	11	11	9	10	T.
1898...	52.4	− 3.6	86	19	3.38	−0.65	9	12	8	10	1.1
1899...	57.2	+ 1.2	96	20	3.16	−0.87	9	13	8	9	0.3
1900...	56.2	+ 0.2	90	15	2.15	−1.88	8	14	8	8	T.
1901...	50.9	− 5.1	81	23	4.01	−0.02	10	11	5	14	2.6
1902...	54.2	− 1.8	93	22	2.55	−1.58	8	14	9	7	0.1
1903...	55.4	− 0.6	90	22	4.43	+0.46	12	10	7	13	T.
1904...	50.8	− 5.2	85	16	2.83	−1.20	11	10	7	13	1.7
1905...	56.7	+ 0.7	91	23	3.00	−1.03	9	12	8	10	0.2
1906...	59.5	+ 3.5	94	28	1.40	−2.63	6	17	7	6	0.0
1907...	48.2	− 7.8	87	19	2.78	−1.25	11	10	5	15	0.2
1908...	59.8	+ 3.8	89	25	6.56	+2.53	14	12	6	12	0.8
1909...	56.1	+ 0.1	96	21	5.98	+1.95	10	11	7	9	T.
1910...	55.4	− 0.6	88	23	5.14	+1.11	14	12	6	12	0.7
1911...	53.8	− 2.2	91	20	7.06	+3.03	14	11	5	14	T.
1912...	58.4	+ 2.4	87	25	7.50	+3.87	12	11	7	12	T.
1913...	55.3	− 0.7	89	27	2.73	−1.30	10	14	5	11	T.
1914...	55.7	− 0.3	91	15	3.62	−0.41	10	11	8	11	T.
1915...	60.1	+ 4.1	96	17	0.96	−3.07	5	17	8	5	6.0
1916...	54.0	− 2.0	89	22	2.64	−1.39	9	11	8	11	1.4
1917...	55.8	− 0.2	90	19	5.02	+0.99	8	14	7	9	0.5
1918...	53.9	− 2.1	87	25	4.07	+0.04	12	8	8	14	0.3
1919...	56.7	+ 0.7	89	19	3.51	−0.52	10	13	7	10	0.2
1920...	50.8	− 5.2	89	22	6.16	+2.13	13	9	8	13	0.2
1921...	58.2	+ 2.2	90	22	4.09	+0.06	10	15	7	8	T.
1922...	59.5	+ 3.5	88	28	4.25	+0.22	10	14	8	8	0.0
1923...	54.8	− 1.2	90	13	4.88	+0.55	9	15	6	9	0.0
1924...	57.4	+ 1.4	93	19	3.41	−0.92	10	13	7	10	0.1
1925.	61.2	+ 5.2	93	23	3.16	−0.87	10	14	7	9	0.0
1926...	51.8	− 4.4	87	16	3.17	−0.86	10	13	7	10	T.
1927...	58.7	+ 2.7	92	22	6.39	+2.36	15	10	8	12	T.
1928...	52.9	− 3.1	83	21	4.20	+0.17	11	11	9	10	0.6
1929.	60.1	+ 3.9	90	23	3.57	−0.46	10	14	8	8	0.0

Climatological Data for April, 1929.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	25	61.8	+ 5.9	88	5†	32	2	40	3.51	−0.61	0.80	0	9	20	4	6	W.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	25	61.4	+ 3.0	85	4	36	2	36	4.24	−0.35	0.90	0	13	6	18	6	sw.	W. A. Taylor.
Earlington	Hopkins	420	30	61.8	+ 4.5	88	4†	33	2	38	4.89	+0.52	0.85	0	11	18	4	8	sw.	Brick Southworth.
		356									5.24		0.60	0	12					P. H. McGinnis.
Fords Ferry, Dam 50	Crittenden	519	12	61.2	+ 3.8	85‡	4	32‡	2	39‡	3.65	−1.22	1.04	0	9	16‡	9‡	4‡	s.	C. R. Lovell.
Gilbertsville	Muhlenburg	524	33	60.6	+ 3.8	87	6	32	2	42	4.68	+0.28	1.43	0	10	7	4	19	sw.	W. E. Graves.
Hopkinsville	Christian			61.0		82	4	41	12‡	35	4.52		0.81	0	12	9	13	8	sw.	B. Salles.
Lovelaceville	Ballard	571	31	61.0	+ 3.4	83	4	35	12‡	28	2.80	−1.65	0.90	0	6	11	14	5	s.	B. C. Paris.
Marion	Crittenden	364	20	62.2	+ 4.3	88	7	37	2†	39	4.83	+0.33	1.25	0	8	14	5	11	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	412	3	62.4		85	6†	33	2	41	3.25		2.00	0	6	18	0	12	s.	Harry B. Arnold
Murray	Calloway	479	32	58.4	+ 2.9	84	6†	33	2	35	3.47	−0.59	0.61	0	11	12	6	12	s.	Henry S. Berry.
Owensboro	Daviess	404									3.54		0.65	0	11					George McGlenary.
Owensboro, Dam 46	Daviess	516	12	61.6	+ 3.4	84	4†	36	12†	37	4.79	−0.77	1.22	0	9	19	3	8	sw.	J. W. Lilley
Prentice Heights	McCracken	341	40								4.90	+0.29	0.75	0	11					Frank L. Brown.
Padueah	McCracken	529	22	61.8	+ 3.2	84	6†	35	2	36	4.56	+0.56	1.05	0	13	13	9	8	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	12								3.76	−0.46	0.70	0	12					Thos. L. Wetzell.
Kentucky, Lock 2	McLean	390	18	60.6	+ 2.0	85*	5†	32*	2	38*	5.27	+0.43	1.61	0	9	14*	4*	4*	s.	Wm. Shelton.
Russellville	Logan	387									3.35		0.79	0	12					H. R. Sale.
Calhoun	Union																			
Central Division.																				
Addison, Dam 45	Breckinridge	352									4.80		1.15	0	12					C. L. Moore.
Anchorage	Jefferson	760	28	58.0	+ 4.8	86	6	28	2	40	3.92	−0.08	1.53	0	10	20	2	8	sw.	C. E. Barret.
Bardstown	Nelson	687	32	61.4	+ 5.8	87	6†	30	2	45	3.04	−0.84	0.91	0	10	18	6	6	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	40	62.4	+ 4.1	88	5†	34	2	39	4.43	−0.02	1.55	0	10	15	11	4	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	4								4.22		1.57	0	8					Jas. R. Hines.
Brownsville, Lock 6	Edmonson	410	12								3.94	−1.18	1.58	0	11					Virgil M. Whalin.
Burnside	Pulaski	773	38								3.95	−0.25	1.76	0	11					T. A. Lewis
Campbellsville	Taylor	422	30								4.52	+0.86	2.32	0	6					Shelby Angel.
Cane Creek, Lock 1	Carroll	489	3								3.92		1.60	0	13					Bert Ross.
Cold Spring, Dam 36	Campbell	750	5	60.9		87	6†	32	2†	45	2.86		0.72	0	9	13	11	6	sw.	G. D. Glass.
Dix Dam, Bargin	Mercer	777	35	58.6	+ 4.3	86	6	28	7	40	3.86	−0.04	1.14	0	11	9	12	9	s.	Mrs. Katie Payne.
Edgewood	Pulaski	560	37	60.3	+ 5.0	85	6†	31	2	38	2.16	−1.70	0.79	0	9	13	8	9	s.	Sidney Wood.
Frankfort	Franklin	501	34	62.3	+ 3.1	87	5†	36	2	40	5.65	+1.17	2.40	0	8	16	10	4	s.	M. E. Johnson.
Franklin	Simpson	449	18								3.45	−0.60	1.05	0	8					Albert Purvis.
Gest, Lock 3	Henry	780	8																	Dr. Fidelia Edwards.
Glasgow	Barren	596	4								4.38		1.72	0	13					W. T. Dugan.
Grant, Dam 38	Boone	581	36	58.4	+ 3.2	85	7	27	2	45	4.69	+0.66	1.48	0	13	6	1	23	se.	Mrs. Bettie K. H. Alcorn
Greensburg	Green	550	27								2.95	−0.81	0.85	0	10					Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	646	31	60.6	+ 4.7	84	6	34	2	33	3.70	−0.38	1.41	0	10	15	7	8	sw.	W. J. Piggott.
Irvington	Breckinridge	985	35	59.6	+ 4.7	85	6†	25	2	44	3.96	−0.02	1.20	0	11	16	12	2	s.	Caroline Grubbs.
Junction City	Boyle	1032	3								3.15		0.71	0	12					L. J. Vanhook.
Lancaster	Garrard	635	33	60.4	+ 5.0	84	5†	34	2	36	3.45	−0.93	1.30	0	10	12	14	4	sw.	H. H. Willis.
Leitchfield	Grayson	989	45	57.8	+ 3.5	83	7	35	2	31	2.99	−0.51	0.81	0	16	16	9	5	sw	U. S. Weather Bureau
Lexington	Fayette	528	18								2.47	−1.12	0.66	0	9					Horace Cauber.
Little Benson, Lock 8	Jessamine	476	19								4.66	−0.54	2.24	0	10					Andrew J. Keenan.
Lockport, Lock 2	Henry	525	56	60.0	+ 3.6	85	7	36	2	32	4.31	+0.43	1.74	0	14	8	15	7	s.	U. S. Weather Bureau.
Louisville	Jefferson	534	19	59.7	+ 3.5	86	6	32	2	39	4.72	−0.22	2.00	0	11	11	13	6	sw.	Wm. I. Hunt
Do. Cherokee Park	Do.	600	4								3.66		0.81	0	9					A. G. Hubbard.
Madisonville	Hart	777	34	58.2	+ 3.6	84	6†	28	2	40	4.00	−0.18	1.20	0	11	21	1	8		Sisters of Lorette.
St. John	Hardin	490	15								3.48	+0.33	0.70	0	9					Ernest M. Searcy
Salvisa, Lock 6	Mercer	900	31	57.0	+ 3.8	85	26	28	2	33	4.87	+1.33	1.75	0	13	6	14	10	w.	E. B. Wilson
Sarah T.	Kenton	895	40	57.4	+ 2.7	84	6†	28	2	40	3.48	+0.54	1.50	0	11	11	4	15	sw	Miss Ruth Ratta.
Shelbyville	Shelby	489	27	58.0	+ 3.5	85	7	28	2	42	3.30	−1.07	1.30	0	12	15	7	8	s.	E. B. Bourne.
Taylorsville	Spencer	525	11								2.95	−1.49	0.71	0	8					R. K. Gowen.
Tyrone, Lock 5	Anderson	543	26	57.6	+ 4.8	86	7	30	2	38	4.59	+1.06	1.98	0	11	13	8	9	w.	Mrs. E. S. Humlong.
Williamstown	Grant	838	12								4.49	−0.05	1.31	0	11					H. J. Lewis.
Woodburn, Lock 4	Butler																			
Eastern Division.																				
Ashland	Boyd	534	12	59.4	+ 3.6	90	7†	30	2†	47	2.38	−0.95	0.73	0	14	12	0	18	s.	Curtis Purvis.
Beattyville	Lee	650	25	60.0	+ 5.5	88	7	29	2	47	2.54	−1.21	0.70	0	13	12	8	10	w.	Robert S. Smallwood.
Berea	Madison	1070	27	60.8	+ 5.5	86	5†	30	2	42	3.42	0.27	0.87	0	13	15	6	9	w.	Chas. C. Graham.
College Hill, Lock 11	Madison	601	19								2.37	−0.95	0.70	0	12					Lolly Walden
Cynthiana	Harrison	684	11								2.49	−1.59	1.10	0	8					P. H. Kehoe.
Falmouth	Pendleton	630	40								3.78	+0.16	1.47	0	10					J. V. Oldham.
Farmers	Rowan	665	21	57.9	+ 3.2	87	7	23	19	51	1.83	−2.27	0.91	0	6	20	4	6	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	4								2.77		0.85	0	7					C. A. Glascock
Ford, Lock 10	Clark	563	13								2.66	−1.87	0.40	0	10					John A. Walters.
Grassy	Carter	589	4								1.90		0.39	0	10					Col. Frank Powers
Greenup, Dam 30	Greenup	540	9								1.82	−1.87	0.58	0	10					T. Mitchell.
Harrodsburg	Mercer	859	5								3.48		1.37	0	11					Chas. O. Burg.
Howard	Perry	664	12								2.69	−0.09	0.94	0	8					S. C. Cole.
Hyden	Leslie	1032	4																	Carl Napier.
Hyden, Lock 14	Lee	1566	4								4.31		1.42	0	10					R. R. Davidson.
Jackson	Breathitt	782	4	60.4		90	8	29	19	48	3.62	+0.31	0.86	0	13					Russian Cordey.
Jenkins	Letcher	1566	4								4.28		0.94	0	10					Perry E. Bennett.
Lakeside	Lawrence	584	25								2.42	−0.67	0.80	0	5					Walter P. Bush.
Maysville	Mason	521	32	59.2	+ 5.1	87	7	28	2†	45	2.81	−0.78	1.00	0	11	10	10	10	s.	Matthew Woodson
Morehead	Rowan	1128	32	60.6	+ 4.6	85	6†	30	19	48	4.99	+0.20	2.53	0	7	18	11	1		W. B. McKee.
Mt. Sterling	Bell	920	39	58.1	+ 4.3	87	6†	26	19	48	2.51	−1.58	0.50	0	11	18	3	9	w	Andrew M. Stanforth
Mount Sterling	Montgomery	997	7								4.28		1.17	0	13					Robert Repass.
Oneonta, Dam 35	Campbell	655	23								2.46	−1.12	0.86	0	7					F. C. Hall.
Pikeville	Pike	649	4								2.04		0.57	0	10					R. W. Jones.
Pineville	Bell	1566	4								4.28		0.94	0	10					Walter P. Bush.
Quicksand	Breathitt	782	4	60.4		90	8	29	19	48	2.42	−0.67	0.80	0	5					J. W. Crooke.
Ravenna, Lock 12	Madison	691	11								2.13	−1.53	0.50	0	10	20	4	6		Thos. Sullivan.
Richmond	Madison	926	38	62.2	+ 6.3	88	7	34	2	43	2.40	−1.58	0.65	0	8					H. M. Fannin.
Richmond	Madison	541	16								4.26	+0.56	0.87	0	11					G. H. Zimmerman.
Vanceburg, Dam 32	Lewis	505	14								1.43		0.40	0	9					Lawrence R. Uhl.
Wheelwright	Floyd	1142	4								4.37	+0.69	2.35	0	9	21	9	0		Jessie Hicks.
Williamsburg	Whitley	995	32	61.4	+ 4.9	90	6	31	2†	44	2.45	−0.33	0.60	0	6					
Willow, Lock 13	Lee	611	16								3.57	−0.46	2.53	0	10	14	8	8	s.	
State averages and extremes				60.1	+ 3.9	90	6†	23	19	51										

A dash indicates data are taken from self-registering thermometers.

Averages and departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. Temperat

Daily Precipitation for April, 1929.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Western Division																															
Beaver Dam	G	.42						.09	.80	.60	.03			.05	.15							.07									2.01
Calhoun	G	.66		T				.45	.90	.01	.65			.32	.15			T	.03	.26	.06		T	T	.04						3.54
Cannelton, Dam 50	O	.66			T.			.05	.40	.30	.53			.27	.30	.03			T.	.32	.27			T	.06						3.24
Hopkinsville	C	.24						.65	1.04	T	.05			.31	.03				.15		.28										2.50
Owensboro	M	.71		.07				.40	.38	.86				.40	.80					.15	.50			.03		1.48				.07	4.62
Paducah	O							.69	.57	T.	.01			.71	.02				.31	.81	T.		.12		.07		.18				3.31
Wickliffe	M	.45		.05			.28	.03			.70			.40	.20				T.	.90				T		T		T			3.81
Bardwell	T								.78		.03			.70					.40					.07		1.70					2.98
Jamestown	O	.48			T				2.40	T	T			.80	.17	T				.28					.10			T			3.83
Kennebec, Dam 46	O	.45						T.	.61	.50	.60			.05	.38	.07			T.	.93	.26	T	T	.02		.17					3.47
Kentucky Power	O	.80	.05	.05				.02	.66	.52	.62			.03	.43	.05			T.	.29	.92	T	T	T		.55					4.64
Lebanon	O	.78		T.				.45	.65					1.32	.02				.55	.55											4.77
Lowden	G	.43		.01				.12	.46	.38	.68			.56	.12		T		.17	.72	.08			T							4.56
Massey, Lock No. 2	G	.05						.72	.61	1.05				.52	.03	T			.14	.57			.01	.05		.32		.17			4.50
Mayfield	M							.12	.70	.62	.43			.07	.36	.12				.25	.08					.18					3.76
Monument	T	.10							.46	1.11	.68			.05	.20					.05						.44	.61				3.50
Owensboro, Dam 49	O	.42						.18	.38	.48	.78			.01	.07	.01			T.	.69	.25	.01	T.	T		.13					3.50
Central Division																														
Addison, Dam 48	G	.40			.05			.03	.62	1.15	.72			.12	.20					.24	.34					.15		.07			4.39
Belcherage	O	.10						.53	1.35					.31	.12				.12	.47						.32		.81		.22	3.84
Bowlingtown	K	.16							.11	.91	.30				.15					.08	.60					.02	.06	.32			3.04
Bowling Green	G	.20							.46	.80	.43			.26	.06						.39					.25	.07	1.35			4.48
Bowling Green, No. 2	G								.51	.85	.50			.14	.03						.45					.07	1.57			4.22
Brandenburg	C	.13							.33	.54	.49			.02	.13					.04	.39					.19	.03	1.58			3.94
Brandenburg (Lock No. 1)	K	.36							1.	.80	.99				.02	T.	T.				.94	.03				.16	.04	1.70	.11		5.95
Bridgeport Spring, Dam 36	K	.21				1			2.85	.21											1.21						.35	.15			4.52
Brook Dam, Burgin	K							.48	1.60	.14	T.		T.	.13	.03				.26	.37			.03		.50		.16	.17		3.52
Bullskin	C	.16						.62	.46	.19				.11	.08					.72			.08	T			.02		.05		2.86
Burgin	K	.26							.20	.40	.31			.08		.03					1.03				.19	.05	1.11	.27		3.66
Buskirk	G								.08	.70	.1				.15	.03	T.		T.		.45					.04	.20			2.16
Cass, Lock No. 3	G							.25	1.16	.10				.60							.70				.30		2.40		.10	5.55
Cerulean	G								.25	1.65	.14			T.	.29	.03				.16	.42					.26					3.45
Grant, Dam 38	O	.14						T.	.50	1.72	.17			.08	.10	.37			.86	T.	.26	.25			T.	.16		.07	.05		
Greensburg	K	.27			.04				.50	.08	.55				.60	.01					.02	.07			.28	.04	1.18	.02		4.23
Hager Bridge, Lock No. 7	K	.11							.45	.85	.10				.13	.15					.02	.07			.28	.04	1.18	.02		4.79
Hughes	O	.41		T.				.1	1.41	T.	.51			.21	.08				T.	.52				.17	T.		.15		.22	3.70
Hustonville	K	.21						.34	.45	.12	.24			.11	T	.18					.22				.66	.05	1.29			3.96
Ishmael	G	.08							.26	.20	.18				.69	.12				.01	.21				.10	.10	.71	.09		3.15
Junction City	K	.40						T.	1.30	.08	.40			.20						.03	.47				.15		.60	.25		3.45
Lock Hickman, Lock No. 8	K	.20						.29	.65	.04	.12			.11	.01	.03			.07	.43	.03		.02		.07	.11	.55	.52		2.59
Lockport, Lock No. 2	K	.10							.55	.25	.15				.12	T				T.	.45				.17	.14	.66	T.		2.47
Louisville	O						T.	.33	2.24	.17			T.	.37	.11				.18	.56				.14		.34	T.	.22		4.66
Lovers Leap (Cherokee Park)	O	.10						.60	1.52	.03	.28		.06	.20	.12				.04	.81	.04	T.	.04	T.	T.	.21		.18		4.31
Macedonia	G	.26						.20		2.00	.27				.37				.04	.05	.34				.16	.07	.28			4.22
Madisonville	K	.33							.38	.84	.46			.21							.34				.41	.20	.81			3.66
Mannsville	K	.29							.25	1.20	.18			.15	.12					.06	.50				.03	.04	.57			4.00
Mayfield	M	.86							.50	.70	.28				.26	.15				.16	.80					T	.46			3.47
Maysville	T	.29		T.				.25	1.75	.45	.15			.11	.21	.01			.13	.42				.03	.03	.37			4.87
Meldrum	K	.51							.45	1.70	.28			.06	.27					.07	.60				.02	.13	.26			4.38
Milltown	K	.55						T	1.30	.05	.57		.18	.10	.01				.12	.42				.06	.04				4.30
Monticello	K							.40	.60	.24				.18						.71				.06	.08				2.95
Mount Olivet, Lock No. 4	O	.16							.57	1.98	.12				.20	.03				.12	.61				.03	.33	.24			4.39
Mount Sterling	O	.24							.48	1.07	.63			.06	.15					.10	.36				.06	.53	1.31			4.49
Eastern Division																														
Ashland	O	.04							.13	.31	.03	.63			.20	.02	.04			T.	.46				.06	.04	.26	.03		2.36
Big Stone Gap, Va.	K	.19							.19	.16	.41	.01			.07	.06	T.			.12	.68				.10	.18	.76	.05		2.84
Blue Lick	K	.10							.01	.20	.61	.29		.11	.09	.02			.06	.43	.29			.32	.04	.87			2.54
Catlettsburg	L	.34							.35	.15	.20				.16	.03				.04	.76				.10	.04	.52	.16		2.42
Greenup, Lock No. 14	L	.17						T.	T.	1.10	.09				.02	T					.66					.12	.26			2.37
Hargus	L							.10	.30	1.47	.10					.08				.05	.98				.82		.21	T.		2.49
Hazel Patch	L	.10								.36	.10				.10						.91					.26				3.78
Hazard, Lock No. 10	K			.38				.50	.43						.20					.55				.15		.25			1.83
Jackson	O	.20			T				.32	.17	.20				.11	.02				.02	.36				.12	.11	.10			2.77
Lock Dam 36	O									.39	.30									.08	.29				.11	.16	.25			2.06
Lock Dam 37	O	.11			.28			T.	.34	T	.04			.09		.07				.08	.29				.11	.16	.25			1.10
Lockport	K	.04							.12		.31				.18	.24	.04			.04	.67				T.	.07	.24			1.82
Lockport, Lock No. 14	K								.12		.31				.18	.24	.04			.04	.67				.09	1.37	.07			3.48
Lothair	K								.27		.17				.15						.94				.13	.14	.87	.10		2.60
Louisa	K																													
Madison	R		.23		.26		.62					.41			.08	.07	.20		.94					.88	.22	1.42			4.21
Maysville	O	.21		T.	.01		.05		.55	.27		.05			.17	.10	.05			.08	.81				.07	.15	.47			3.62
Millersburg	O								.05	1.00	.16	T.			.08	.12	T.			.06	.84				T.	.86	.24	T.		2.81
Mount Sterling	L	.18						.55							.55						.68				.38	.11	.12	2.88		4.50
Nonda Dam 39	O	.34							.30	.18	.16				.18	.10			T.		.50				.10	.15	.30	.40		2.61
Oakville	R	T			.08				2.81	.47	.12		T.		.36	.03				.52	.40				.04	.37	.29	.08		4.38
Olympian	R	.25							.22			.12			T	.46	.12				.76	T		T	T.		.12	.86		2.46
Owingsville	K								.20	.12		.08			.11	.09	.08				.41					.13				2.04
Paducah, Lock No. 52	K	T.						.56		.19	.24				.30	.94	.40			.05	.58					.20				4.28
Paintsville	K	.08							.42	.36	.12				T	T.				T.	.72				T.	T.	.50	T		2.42
Pine View, Lock No. 9	K	.20							.26	.10	.25				.10	.05					.50				T.	.15	.50	.20		2.13
Pittsburg, Dam No. 32	O	.20			.87			.15	.65	.18	.20			.06						.46					.30			.30		2.40
Pittsburg	K								.14	.82	.25				.15	.08				.08	.80					.12	.22			4.26
Plumsburg	C								.32			.10				.18	.10			.06	.40					.22	.13	.12			1.43
Pulaski, Lock No. 13	K								.45	.17	.3				.08	.09					.55				.33	.45		.35		4.87
Quicksand	K									.20	.25	.10									.78					.25	.90			2.45

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark [***]) Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

Precipitation column "a" is the morning amount that is recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. * Long Oak.

April 25.—Heavy hail, causing some damage to fruit, occurred in Oldham, Boone, Kenton counties.

Rivers.—The Ohio was above flood stage at Paducah from the 1st to 6th and at Cairo from the 1st to 21st and again on the 30th. Backwater from the Ohio affected the lower courses of the Green, Cumberland, and Tennessee. Considerable freshets occurred in the upper Cumberland and Big Sandy on the 29th.

Errata for March 1929.—Snow, total precipitation should be 2.57; prevailing wind direction SW.

Daily Temperatures for April, 1929.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	73	72	77	86	88	87	88	75	65	69	73	63	80	72	57	59	67	69	76	75	81	68	74	76	79	72	73	78	74	80	..	74.4
	Minimum	47	32	47	50	60	65	68	60	65	66	70	68	77	69	55	58	63	65	70	73	77	66	73	75	73	70	72	73	78	73	..	49.1
Calhoun	Maximum	80	70	74	85	84	83	83	80	65	66	70	68	77	69	55	58	63	65	70	73	77	66	73	75	73	70	72	73	78	73	..	50.1
	Minimum	44	30	49	55	62	66	66	59	58	47	55	39	48	50	47	41	38	40	46	61	56	48	57	59	62	54	60	58	63	56	..	48.8
Carlisle	Maximum	75	71	73	85	85	89	85	80	68	69	71	68	77	67	69	60	69	67	75	77	86	66	47	37	50	69	49	48	51	46	45	60.2
	Minimum	46	33	51	57	67	68	66	62	59	48	57	41	46	53	50	42	34	36	45	66	72	79	66	38	75	75	72	..	77	79	75	[5]73.1
Earlington	Maximum	76	68	72	85	83	84	83	78	68	70	71	68	76	71	56	58	63	65	77	72	79	66	78	76	79	72	..	55	40	44	..	[5]49.2
	Minimum	46	32	48	62	62	65	65	60	57	54	54	38	48	54	49	42	34	36	42	62	65	40	89	49	54	40	..	55	40	44	..	73.7
Greenville	Maximum	76	74	70	86	85	87	86	78	70	69	74	64	58	66	54	62	62	72	70	73	76	69	76	74	72	73	72	76	74	77	..	47.6
	Minimum	46	32	48	52	62	65	65	60	58	47	54	39	48	50	47	41	34	36	45	62	65	40	89	49	54	40	..	55	40	44	..	70.2
Hopkinsville	Maximum	73	84	46	51	58	57	59	60	55	48	54	35	42	51	47	40	33	36	46	66	73	74	63	71	70	67	69	67	75	72	75	51.8
	Minimum	55	59	67	82	78	81	80	76	66	74	72	67	71	65	59	59	61	69	78	73	74	63	71	70	67	69	67	75	72	75	76	71.2
Lovelaceville	Maximum	73	42	54	47	65	66	66	59	58	49	53	41	51	54	47	41	42	45	57	61	58	48	45	55	47	49	51	58	49	54	..	50.9
	Minimum	64	68	69	83	80	82	81	77	76	71	65	66	74	72	67	52	57	70	76	75	76	73	72	71	68	69	68	74	65	65	..	74.1
Marion	Maximum	64	68	69	83	80	82	81	77	76	71	65	66	74	72	67	52	57	70	76	75	76	73	72	71	68	69	68	74	65	65	..	74.1
	Minimum	44	45	41	50	67	65	70	58	57	46	52	38	53	50	45	38	39	42	49	59	59	46	45	50	47	50	48	45	44	49	..	50.2
Mayfield	Maximum	81	73	73	82	81	82	83	78	67	76	81	67	71	66	61	60	66	73	78	76	80	77	79	76	74	73	69	72	73	79	80	74.8
	Minimum	48	37	52	55	64	65	64	58	57	49	54	37	47	58	47	40	37	41	40	59	56	47	40	54	58	48	46	56	40	44	..	50.0
Murray	Maximum	65	72	76	84	82	85	83	85	68	80	78	70	72	68	60	62	64	72	80	76	80	77	79	76	74	73	70	72	67	70	76	70.9
	Minimum	44	38	50	56	69	67	66	60	60	60	59	53	53	43	58	49	40	34	36	45	62	57	49	38	50	59	60	40	55	45	43	46.6
Owensboro	Maximum	72	66	72	79	88	84	84	83	65	64	69	69	64	61	51	56	61	64	75	72	78	74	70	74	72	67	70	72	67	70	76	73.0
	Minimum	42	38	48	52	58	59	60	59	55	45	52	35	44	46	45	34	34	38	43	58	63	43	58	70	77	72	69	69	69	73	78	50.2
Paducah (near)	Maximum	77	71	68	84	79	82	82	84	69	73	69	69	74	66	60	62	66	74	79	73	78	75	68	58	50	48	45	44	49	..	..	74.1
	Minimum	43	38	47	50	64	62	65	59	58	49	54	38	46	54	47	40	36	42	49	59	72	77	66	71	74	73	68	71	75	70	78	50.5
Princeton	Maximum	76	71	71	83	82	84	84	84	73	68	71	69	68	75	60	60	58	58	68	75	80	55	48	61	55	48	46	56	44	47	..	71.6
	Minimum	45	35	48	54	63	65	66	60	60	50	56	38	45	53	49	41	37	38	48	61	55	48	42	55	46	42	41	44	42	46	..	[5]48.5
Russellville§§	Maximum	68	71	71	83	86	85	84	79	67	72	74	67	72	60	55	56	62	68	78	66	..	..	..	..	..	..	..	79	70	76	79	..
	Minimum	48	38	45	54	57	65	61	64	60	50	50	37	45	50	58	43	35	37	40	56	58	..	..	..	..	..	..	41	44	42	46	..
Central Division																																	
Anchorage	Maximum	72	66	76	80	84	86	86	72	65	61	71	62	74	60	49	56	60	63	74	74	74	64	74	77	74	77	67	76	72	67	77	70.4
	Minimum	38	28	39	51	64	65	62	58	57	48	40	39	46	49	44	42	34	34	34	60	49	42	58	68	71	70	58	60	57	58	61	45.6
Bardstown	Maximum	74	68	78	82	85	87	87	83	70	68	74	66	77	71	54	55	61	64	78	78	80	70	77	79	78	70	77	82	76	80	..	74.0
	Minimum	52	30	43	54	65	65	63	66	60	61	52	37	41	51	46	42	38	32	33	60	52	45	36	44	61	50	48	54	48	49	..	45.7
Bowling Green	Maximum	75	71	71	83	88	87	88	76	70	77	75	70	76	68	58	60	66	70	80	77	84	70	77	77	76	78	78	78	78	75	80	75.1
	Minimum	45	34	46	54	65	65	63	66	60	61	52	37	41	51	46	42	38	32	33	60	52	45	36	44	61	50	48	54	48	49	..	45.8
Dix Dam	Maximum	75	71	71	83	88	87	88	76	70	77	75	70	76	68	58	60	66	70	80	77	84	70	77	77	76	78	78	78	78	75	80	75.1
	Minimum	45	34	46	54	65	65	63	66	60	61	52	37	41	51	46	42	38	32	33	60	52	45	36	44	61	50	48	54	48	49	..	45.8
Eubank	Maximum	71	66	76	79	84	87	87	88	76	80	78	75	80	72	62	64	72	74	83	82	87	77	78	74	73	75	73	74	72	73	78	72.6
	Minimum	46	32	52	52	64	64	66	64	64	56	57	50	56	56	48	46	49	43	36	44	42	39	59	54	58	48	46	48	50	44	50	49.6
Frankfort	Maximum	70	78	75	75	78	80	84	84	76	72	74	64	74	72	74	73	65	52	58	59	71	78	77	64	67	76	75	70	74	73	75	74.5
	Minimum	47	31	41	53	65	65	69	67	64	49	50	41	43	51	46	43	39	38	33	55	56	46	46	39	52	73	70	77	77	77	..	50.1
Franklin	Maximum	76	78	71	81	87	86	87	82	69	79	72	70	74	60	60	58	63	70	80	75	84	66	78	74	73	70	72	76	74	71	79	72.6
	Minimum	47	36	48	56	63	63	62	64	61	51	56	39	42	53	51	44	37	38	43	62	57	41	38	54	58	47	44	54	44	48	..	50.1
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greensburg	Maximum	74	68	75	78	84	84	85	81	72	74	74	64	74	56	61	65	62	64	77	77	81	68	72	78	77	70	73	74	71	79	..	72.6
	Minimum	46	25	39	49	61	62	58	62	57	51	51	38	37	34	48	41	32	30	32	53	54	42	33	39	56	46	35	51	37	38	..	44.4
Irvington	Maximum	74	67	74	82	83	84	83	75	76	64	71	64	74	68	52	56	60	62	74	75	76	63	69	75	75	66	71	73	68	77	..	71.1
	Minimum	44	34	48	66	67	66	64	64	67	49	50	30	50	48	45	45	35	37	39	49	48	50	47	50	70	76	70	72	74	70	76	52.6
Junction City	Maximum	59	67	77	78	84	86	85	82	74	78	75	69	75	59	54	52	59	62	74	78	80	67	77	78	68	69	72	75	74	67	77	47.0
	Minimum	50	26	38	52	65	66	59	62	55	56	54	36	45	55	50	44	36	38	39	63	65	40	40	37	31	30	55	56	43	36	45	71.1
Leitchfield	Maximum	74	66	72	81	84	84	84	76	66	68	72	65	75	66	59	56	61	63	75	78	80	64	72	75	74	73	74	67	73	73	76	49.2
	Minimum	46	34	48	54	63	64	63	63	59	49	54	37	45	50	48	44	36	38	39	63	65	45	47	48	45	47	48	45	47	45	48	67.1
Lexington	Maximum	68	69	74	76	81	82	83	78	69	63	71	60	71	54	48	46	52	59	67	68	74	59	68	74	75	74	59	66	74	75	64	69.1
	Minimum	37	35	49	54	65	65	62	60	58	49	41	37	46	46	42	39	37	38	41	59	58	44	43	52	54	59	60	74	73	72	62	68
Louisville	Maximum	73	66	74	82	83	84	85	72	66	72	72	63	73	55	52	54	59	60	74	74	78	68	74	76	75	76	74	73	70	76	77	50.3
	Minimum	41	36	51	56	66	68	68	59	57	46	45	42	52	48	45	43	40	43	42	64	67	45	44	52	54	57	60	72	73	73	62	66
Do. (Cherokee Park)	Maximum	81	67	76	83	85	86	85	85	65	63	72	66	74	74	52	54	57	60	72	73	76	62	74	76	75	66	74	73	70	76	77	49.6
	Minimum	42	32	45	54	64	65	64	63	59	45	49	41	44	48	43	42	38	38	40	62	65	45	47	48	45	47	48	45	47	45	48	71.1
St. John	Maximum	73	68	73	81	83	84	84	75	68	69	72	66	76	65	55	56	61	62	74	75	76	63	68	45	47	48	48	45	47	45	48	49.5
	Minimum	40	28	46	51	62	63	59	60	56	47	48	35	43	47	48	40	34	32	35	58	50	42	39	44	58	45	37	52	51	41	45	47.1
Scott	Maximum	73	64	76	79	83	86	84	78	62	51	70	59	68	60	47	47	55	57	67	74	67	61	65	73	78	74	73	72	71	75	78	68
	Minimum	39	28	42	55	64	66	65	62	60	48	46	42	43	45	41	41	36	37	39	54	57	49	34	48	55	47	41	52	49	42	46	46.5
Shelbyville	Maximum	72	67	76	80	83	84	84	80	68	66	61	72	62	75	60	58	62	64	76	76	80	67	61	67	75	77	66	72	72	69	75	70
	Minimum	42	28	30	49	58	56	56	59	55	44	46	36	41	45	42	39	33	35	38	55	56	44	43	52	54	57	60	72	76	76	61	67
Taylorsville	Maximum	72	65	76	80	83	84	84	80	68	66	61	72	62	75	60	58	62	64	76	76	80	67	61	67	75	77	66	72	72	69	75	70
	Minimum	39	23	28	49	58	56	56	59	55	44	46	36	41	45	42	39	33	35	38	55	56	44	43	52	54	57	60	72	76	76	61	67
Wilgusstock	Maximum	74	63	76	79	83	85	86	76	64	62	71	63	71	63	49	48	60	55	71	76	74	62	66	77	78	74	74	74	65	76	69	16
	Minimum	49	30	41	53	63	61	69	54	43	46	39	45	45	41	39	33	35	38	54	48	40	37	46	51	45	45	51	37	43	46	..	46
Eastern Division																																	
Ashland	Maximum	81	77	66	80	81	88	90	90	88	65	68	75	63	76	63	54	48	54	60	71	83	58	61	68	78	83	68	77	73	68	72	72
	Minimum	46	39	38	44	56	62	55	59	54	48	42	48	48	48	40	40	30	37	59	46	52	59	63	77	82	83	68	71	70	77	78	45.4
Beattyville	Maximum	71	68	78	81	87	87	88	87	79	80	71	67	77	68	63	59	63	73	79	79	83	64	70	79	78	79	79	70	77	75	76	47.0
	Minimum	45	29	34	47	65	64	51	52	58	42	52	40	36	50	48	42	38	33	36	49	54	40	35	39	56	52	37	53	41	39	43	73.7
Berea	Maximum	77	67	78	80	86	85	86	85	77	71	76	69	75	67	57	57	54	60	75	80	83	62	53	53	41	44	57	48	48	53	41	46
	Minimum	38	30	50	57	64	64	70	63	58	56	53	38	47	60	47	41	34	35	33	62	57	59	73	81	80	64	70	29	38	54	49	42.4
Farmers	Maximum	76	65	70	79	86	86	87	85	71	70	71	71	69	66	52	57	59	73	81	80	84	70	69	73	78	81	70	38	54	49	33	51
	Minimum	45	24	30	48	65	64	49	48	56	55	47	37	32	47	44	39	31	28	23	42	53	41	29	38	54	49	33	51	38	34	..	42.4
Hinkston	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	Maximum	77	65	79	80	86	86	87	85	69	59	75	72	74	68	55	51	55	59	78	80	76	62	69	79	74	71	76	74	68	73	..	72
	Minimum	46	28	37	50	63	61	57	58	56	48	50	40	46	48	46	43	38	38	38	58	63	51	44	51	49	59	55	51	43	51	42	46.1
Middlesboro	Maximum	76	76	72	76	82	85	85	83	81	81	79	77	70	69	66	60	60	64	74	78	78	74	80	78	80	83	80	81	83	81	82	40
	Minimum	57	32	55	53	55	57	50	52	59	61	54	40	49	54	42	40	31	36	41	56	58	54	52	60	59	62	61	67	76	71	80	72
Mount Sterling	Maximum	73	65	80	82	86	87	86	87	73	67	74	62	75	60	53	56	53	56	68	74	80	63	69	82	82	85	67	76	46	46	39	39
	Minimum	42	36	39	40	59	61	57	57	58	48	47	33	40	40	45	39	33	33	33	26	51	50	44	52	40	53	51	47	40	46	36	75
Quicksand	Maximum	74	67	78	79	86	87	88	87	77	73	77	69	77	63	53	56	53	56	68	74	80	63	69	78	80	79	75	76	77	69	72	71
	Minimum	50	30	35	45	55	58	51	51	59	63	53	41	36	45	49	42	37	31	29	43	54	43	34	39	55	54	55	56	55	56	47	79
Richmond	Maximum	74	68	78	80	85	86	84	84	73	75	75	73	76	63	58	52	62	70	78	80	82	68	72	75	69	75	76	77	69	72	71	73
	Minimum	50	34	50	55	63	64	63	64	60	70	53	38	47	50	49	42	37	36	41	60	65	45	40	47	63	48	45	47	43	48	47	76
Williamsburg	Maximum	72	69	78	82	84	90	89	84	84	82	78	73	78	63	58	53	59	64	74	74	74	74	76	80	74	76	80	79	71	74	74	76
	Minimum	53	31	39	51	63	62	51	53	53	60	55	37	32	48	53	41	34	31	31	50	54	45	34	40	56	50	38	51	40	42	..	46

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[5] etc. etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville 5-27-29 1500

THE LIBRARY OF THE

JUL 6 - 1929

UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., MAY, 1929 No. 5

GENERAL SUMMARY.

Prevailing low temperature, with frequent and often excessive ains, rendered the first three weeks decidedly unfavorable for utdoor work and retarded the growth of crops requiring season- l warmth. Dry periods in this part of the month were too ort to permit much plowing, hence preparation of land re- aining unplowed was largely delayed until the last decade, hen weather conditiods improved and better progress was ossible. Corn planting proceeded slowly in the brief intervals etween the rainy spells, and was still unfinished in the north- n and western counties at the close. The long periods of un- asonably low temperature affected the germination of early rn, the extent of injury being greatest where the soils were eavy and the drainage relatively poor. Much bottom land in e western counties remained flooded or partly covered with anding water until late in the month, preventing all activities such districts. Subsidence of streams and fair weather in e last decade enabled farmers to begin breaking and planting ese lands. Temperatures above normal in the last week mulated germination with the result that stands of late corn re generally good. The showery conditions favored tobacco tting by hand which progressed rapidly. Weather permitting achine transplanting prevailed in the last week. Except for few hot days near the end, the weather was favorable for ob- ning a stand. The persistent low temperature and dampness, th general lack of sunshine, seriously damaged strawberries, using much loss in the fields and poor condition on market. e drier weather of the last decade greatly improved the con- ion of the later berries. Potatoes fared better than other ops, but suffered from lack of cultivation. Except where af- ted by standing water or defective drainage, wheat made od progress. Forage crops and pastures grew luxuriantly, h a tendency to rankness. Harvesting the first crop of alfalfa s delayed because of weather unfit for curing.

TEMPERATURE.

The record of 42 stations gave a State temperature average of 1°, which is 1.2° below normal. Daily deficiencies in the t decade and the third week ranged from 5° to 15°, with nima at some eastern stations only a few degrees above freez- . Departures as large in excess of normal occurred in the week, with maxima above 90° on the last three days. Ex- mes for the State were 98° on the 29th at Quicksand and 32° the 3d at Maysville.

PRECIPITATION.

The precipitation average for the State as determined from orts of 81 stations, was 7.35 inches, which has been exceeded y in this month by the record May rainfall in 1927. In arrow belt from two to four counties in width, extending n the lower Cumberland to the lower Licking, amounts ged between 8.0 and 10.0 inches. East of this district and a limited area to the westward from 5.0 to 8.0 inches rred. The western and southern parts of the Purchase re- ed from 8.0 to 9.0 inches. Moderate to heavy rains occurred y in the first week. They were excessive in many localities he 2d, 3d, 6th, and 7th. Rain was also moderate to heavy period 12-15th, and heavy to excessive on the 18th and 19th. Local showers, were occasionally heavy, occurred from the 25th to 30th. Monthly amounts d from 4.56 inches at Monticello to 11.21 inches at Cherokee Park, Louisville. erstorms were reported on 16 days, with considerable damage from lightning ind.

MISCELLANEOUS.

May 2.—Wind, rain, hail, and lightning caused damage estimated at $15,000 in Hen- derson and Webster counties. Hail penetrated roofs, broke tops, and gashed fruit trees. Damage of $10,000 was attributed to hail. A boy riding a horse and leading two others was killed by lightning, together with the horses, in this storm. At Henr-

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind.† Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.05	30.38	7	29.27	2	6234	8.4	37	nw.	2
Cincinnati ..... Ohio	30.08	30.49	10	29.69	2	4471	6.0	27	sw.	2
Evansville ..... Ind.	30.09	30.40	10	29.20	2	5957	8.0	35	sw.	2
Lexington ..... Ky.	30.09	30.47	10	29.16	2	8695	11.7	46	sw.	2
Louisville ..... Ky.	30.08	30.48	10	29.18	2	6982	9.4	39	w.	2

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	83	66	66	284.5	439.0	65	14	5
Cincinnati ..... Ohio.	81	61	69	262.7	444.0	59	11	6
Evansville ..... Ind.	82	66	75	262.2	441.4	59	12	7
Lexington ..... Ky.	82	68	..	267.1	441.4	47	8	9
Louisville ..... Ky.	81	60	69	251.9	441.4	57	11	5

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Monthly average	Departure from 46-year normal.	Highest.	Lowest.	Precipitation. Monthly average	Departure from 46-year normal.	No. of days with .01 in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	63.6	− 1.7	94	28	4.03	+0.03	..	..	..	..	....
1890...	63.9	− 1.4	93	32	4.22	+0.22	..	..	..	..	....
1891...	62.6	− 2.7	90	29	1.78	−2.22	..	..	..	..	....
1892...	64.6	− 0.7	90	36	5.49	+1.49	..	..	..	..	....
1893...	63.2	− 2.1	96	37	5.59	+1.59	..	..	..	..	....
1894...	64.5	− 0.8	99	32	3.54	−0.46	..	..	..	..	....
1895...	63.9	− 1.4	99	29	3.16	−0.84	8	12	10	8	....
1896...	72.2	+ 6.9	106	42	5.84	+1.31	11	14	11	6	....
1897...	61.4	− 3.9	92	32	3.27	−0.73	10	15	9	7	T
1898...	67.6	+ 2.3	93	31	4.52	+0.52	10	14	11	6	0.2
1899...	68.8	+ 3.5	94	42	4.79	+0.79	11	11	12	8	0
1900...	66.3	+ 1.0	96	29	3.49	−0.51	10	15	8	8	0
1901...	63.7	− 1.6	97	34	2.65	−1.35	10	12	9	10	0
1902...	70.0	+ 4.7	98	35	3.55	−0.45	9	17	9	5	0
1903...	68.0	+ 2.7	98	29	3.09	−0.91	8	15	10	6	0
1904...	65.0	− 0.3	98	33	3.05	−0.95	10	14	9	8	0
1905...	68.0	+ 2.7	95	38	5.23	+1.23	11	12	9	10	0
1906...	69.5	+ 4.2	95	31	2.54	−1.46	9	16	7	8	T
1907...	61.3	− 4.0	93	30	5.07	+1.07	12	12	7	12	0
1908...	66.7	+ 1.4	96	28	4.34	+0.34	12	13	8	10	0
1909...	63.9	− 1.4	93	27	4.64	+0.64	12	13	7	11	T
1910...	61.1	− 4.4	89	30	4.81	+0.81	12	18	6	12	0
1911...	69.4	+ 4.1	105	29	2.46	−1.54	5	22	5	4	0
1912...	66.7	+ 1.4	97	37	4.53	+0.53	10	16	6	9	0
1913...	66.1	+ 0.8	99	29	2.92	−1.08	8	16	7	8	0
1914...	66.5	+ 1.2	103	32	2.16	−1.84	5	20	6	5	0
1915...	65.2	− 0.1	95	33	6.62	+2.62	15	9	8	14	0
1916...	67.2	+ 1.9	98	33	4.62	+0.62	9	14	9	8	0
1917...	58.9	− 6.4	92	30	3.43	−0.57	10	12	8	11	0
1918...	69.4	+ 4.1	97	28	4.29	+0.29	8	16	8	7	0
1919...	63.9	− 1.4	95	35	6.05	+2.05	14	9	8	14	0
1920...	64.2	− 1.1	94	32	4.08	+0.08	11	13	7	11	0
1921...	65.9	+ 0.6	97	32	2.45	−1.55	8	16	8	7	0
1922...	67.9	+ 2.6	94	35	3.87	−0.13	10	14	10	7	0
1923...	63.9	− 1.4	91	27	3.98	−0.02	13	11	8	12	T
1924...	59.0	− 5.4	82	34	5.04	+1.04	14	10	9	12	0
1925...	61.2	− 4.1	88	28	2.61	−1.39	8	16	8	7	T
1926...	66.2	+ 0.9	101	31	2.36	−1.64	7	17	8	6	0
1927...	65.7	+ 0.4	93	31	7.44	+3.44	16	10	10	11	0
1928...	63.2	− 2.1	94	29	3.56	−0.45	9	16	7	8	0
1929...	64.1	− 1.2	98	32	7.35	+3.35	14	12	8	11	T

Climatological Data for May, 1929.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	25	65.8	— 0.6	93	30†	38	2	37	8.46	+4.23	1.40	0	16	17	4	10	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	25	66.0	— 2.1	94	30	38	2	30	6.48	+2.52	1.28	0	15	7	17	7	sw.	W. A. Taylor.
Earlington	Hopkins	420	39	65.6	— 1.6	94	30	37	2	30	7.00	+2.29	1.34	0	17	14	6	11	sw.	Brick Southworth.
Ford's Ferry, Dam 50	Crittenden	366									6.57		1.59	0	16					P. H. McGinnis.
Greenville	Muhlenburg	519	12	64.6	— 0.1	91	30	37	2	37	8.98	+5.06	3.69	0	12	11	10	10	s.	C. R. Lovell.
Hopkinsville	Christian	524	33	65.8	— 1.3	94	30†	37	2†	38	9.71	+5.65	3.63	0	17	6	3	22	se.	W. E. Graves.
Lawrenceville	Ballard	...	...	65.6	.....	90	30	39	2	30	8.58	.....	1.62	0	12	9	14	8	sw.	B. Sallee.
Marion	Crittenden	571	31	64.2	— 2.5	92	30	36	2	39	7.20	+2.94	1.30	0	9	10	15	6	s.	B. C. Paris.
Mayfield	Graves	364	20	66.1	— 0.1	94	31	39	2†	36	6.75	+2.16	1.70	0	11	16	2	13	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	3	66.5	.....	95	31	38	17	38	8.16	.....	2.05	0	11	12	6	13	s.	Harry B. Arnold
Owensboro	Daviess	479	32	62.2	— 3.4	89	30	33	2	39	8.33	+4.62	2.20	0	17					Henry S. Berry.
Owensboro, Dam 46	Daviess	404	1								8.54	.....	2.30	0	17					George McGlemary.
Owensboro (near)	McCracken	516	12	66.2	— 0.4	95	30	35	2	39	7.94	+3.77	2.00	0	11	18	4	9	se.	J. W. Lilley
Paducah (near)	McCracken	341	40								9.45	+5.45	2.60	0	15					Frank L. Brown.
Paducah	McCracken	529	42	65.1	— 1.6	89	30	38	3	34	6.95	+2.34	1.23	0	15	13	7	11	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	12								7.32	+3.48	1.40	0	14					Thos. L. Wetzell.
Ramsey, Lock 2[4]	McLean	590	18	65.2	— 0.7	94	30	39	3	33	7.78	+3.89	1.90	0	13	16[5]	2[5]	12[5]	s.	Wm. Shelton.
Russellville	Logan	357	1								8.32	.....	1.91	0	15					H. R. Sale.
Uniontown, Dam 49	Union																			
Central Division.																				C. L. Moore.
Addison, Dam 45	Breckinridge	352	1								7.89	.....	2.00	0	16					C. E. Barret.
Anchorage	Jefferson	700	28	62.4	— 1.7	91[b]	30	36[b]	2	39[a]	8.88	+5.64	1.68	0	16	15[a]	2[a]	11[a]	se.	Mrs. Emily T. Sisco.
Bardstown	Nelson	637	32	64.8	— 1.2	92	30	37	3	37	9.24	+5.60	1.90	0	13	19	5	7	s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	500	40	67.6	+ 0.2	96	30†	39	3	39	5.76	+1.38	1.05	0	13	14	11	6	s.	Jas. R. Hines.
Bowling Green, No. 2	Warren	469	4								6.12	.....	1.41	0	12					Virgil M. Whalin.
Brownsville, Lock 6[7]	Edmonson	410	12								6.48	+0.93	1.32	0	15					T. A. Lewis
Burnside	Pulaski	773	38								6.52	+2.53	1.61	0	16					Shelby Angel.
Carrollton, Lock 1	Carroll	422	30								8.29	+4.18	1.96	0	10					Bert Ross.
Cold Spring, Dam 86	Campbell	489	3								7.65	.....	1.47	0	17					G. D. Glass.
Dix Dam, Burgin	Mercer	770	5	65.0	.....	92	29	38	3	33	6.65	.....	1.38	0	15	11	15	6	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	35	63.4	— 0.6	90	31	36	2†	35	7.67	+3.29	2.40	0	17	4	12	15	s.	Sidney Wood.
Frankfort	Franklin	560	37	64.0	— 1.2	89	29†	37	3	34	8.89	+4.77	1.72	0	15	13	3	15	s.	M. E. Johnson.
Franklin	Simpson	691	34	67.6	+ 0.9	95	29	40	3	38	6.40	+2.00	1.05	0	12	18	9	3	s.	Albert Purvis.
Geist, Lock 3	Henry	449	18								5.85	+5.50	1.76	0	17					Dr. Fidella Edwards.
Glasgow	Barren	780	8																	W. T. Dugan.
Grant, Dam 38	Boone	506	4								9.17	.....	1.75	0	16					Mrs. Bettie K. H. Alcorn.
Greensburg	Green	561	36	62.8	— 2.0	92	30†	35	2†	38	6.76	+2.42	1.47	0	18	3	2	26	ne.	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	550	27								4.91	+1.06	1.20	0	13					W. J. Piggott.
Irvington	Breckinridge	646	31	64.4	— 1.5	89	29†	37	2	35	8.18	+4.40	1.48	0	13	9	7	15	sw.	Caroline Grubbs.
Junction City	Boyle	945	35	63.1	— 1.5	93	30	35	3	40	8.94	+4.85	2.25	0	18	11	12	8	s.	L. J. Vaubook.
Lancaster	Garrard	1032	3								6.76	.....	1.57	0	12					H. H. Willis.
Leitchfield	Grayson	635	33	64.0	— 1.1	92	30	36	2	35	9.23	+5.13	2.35	0	14	10	11	10	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	45	62.2	— 2.1	88	30	33	2	35	5.59	+1.78	1.49	T.	13	9	11	11	sw	Horace Canter.
Little Hickman, Lock 8[6]	Jessamine	523	18								7.68	+3.82	1.85	0	13					Andrew J. Keenan.
Lockport, Lock 2	Henry	476	19								7.61	+4.01	1.63	0	14					U. S. Weather Bureau.
Louisville	Jefferson	525	56	63.6	— 3.0	91	30	36	2	30	7.16	+3.44	2.07	0	15	8	8	15	n.	Wm. T. Hunt.
Do. (Cherokee Park)	Do.	534	19	62.6	— 1.8	86	30†	36	3	35	11.21	+7.25	2.76	0	16	10	12	9	sw.	A. G. Hubbard.
Munfordville	Hart	600	4								4.86	.....	0.95	0	10					Sisters of Loretto.
St. John	Hardin	777	33	61.7	— 2.6	90	30†	35	2†	35	8.85	+4.81	1.87	0	14	18	3	10		Ernest M. Searcy.
Salvisa, Lock 6[6]	Mercer	490	15								8.28	+4.67	1.55	0	10					E. B. Wilson.
Scott[4]	Kenton	900	31	60.0	— 3.4	88	30	35	3	32	7.87	+3.94	1.93	T.	16	6	14	11	sw.	Miss Ruth Rotta.
Shelbyville	Shelby	825	40	61.5	— 3.1	91	30	34	2†	36	9.45	+5.43	2.04	0	17	8	2	21	sw.	E. D. Bourne.
Taylorsville	Spencer	489	27	62.8	— 1.8	90	29	36	3	32	7.94	+4.36	1.18	0	13	14	2	15	s.	H. K. Vaughn.
Tyrone, Lock 5[6]	Anderson	525	11																	Mrs. F. S. Humlong.
Williamstown	Grant	946	26	61.7	— 1.5	89	29†	34	3	36	7.52	+3.96	1.64	0	13	14	8	9	e.	H. J. Lewis.
Woodbury, Lock 4[4]	Butler	533	12								8.05	+4.61	1.84	0	19					
Eastern Division.																				Curtis Purvis.
Ashland	Boyd	531	12	64.0	+ 0.1	91	31	38	3	37	5.11	+1.16	1.02	0	15	10	1	20	s.	Robert S. Smallwood.
Beattyville	Lee	650	25	63.4	— 0.8	98	31	37	3†	45	7.02	+2.85	1.76	0	15	5	16	10	w	Chas. C. Graham.
Berea	Madison	1070	27	64.3	— 0.9	90	30†	36	3	38	6.51	+2.48	1.60	0	15	12	8	11	sw.	Kelly Walden
College Hill, Lock 11	Madison	601	19								7.04	+3.07	1.75	0	14					P. H. Kelloe.
Cynthiana	Harrison	684	11								5.88	+2.62	1.35	0	13					J. V. Oldham.
Falmouth	Pendleton	600	40								7.45	—3.89	1.35	0	14					Mrs. R. F. Stamper.
Farmers	Rowan	668	21	61.8	— 1.0	91[b]	28	36[b]	3†	41[b]	7.71	+3.88	2.00	0	10	15[b]	6[b]	8[b]	e.	C. A. Glascock
Flemingsburg	Fleming	811	4								6.85	.....	1.45	0	7					John A. Walters.
Floyd Lock 10[6]	Clark	593	13								6.71	+3.72	1.33	0	14					Col. Frank Powers.
Grayson	Carter	589	4								6.93	.....	1.10	0	16					T. Mitchell.
Greenup, Dam 30	Greenup	540	9								7.97	+4.39	2.22	0	14					Chas. O. Ihrig.
Hazard	Perry	869	5								6.13	.....	0.98	T.	13					S. C. Cole.
Hendersonville, Lock 14	Lee	664	12								8.83	+4.95	2.11	0	14					Carl Napier.
Hindman	Knott	1032	4																	R. R. Davidson.
Jenkins	Letcher	1565	4								5.90	.....	1.70	0	10					Russian Copley.
Louisa	Lawrence	564	25								6.28	+2.21	1.31	0	14					Perry E. Bennett
Maysville	Mason	524	32	62.4	— 2.2	91	30	32	3	38	5.59	+1.64	1.33	0	15	10	10	11	s.	Matthew Woodson.
Middlesboro	Bell	1128	33	65.2	+ 0.7	96	29	38	3	37	5.87	+1.69	1.10	0	10	18	11	2		W. R. McKee.
Mount Sterling	Montgomery	930	39	61.9	— 1.9	90	31	34	3	39	5.18	+0.54	1.43	0	12	13	2	16	w.	Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	497	7								7.99	.....	1.60	0	15					Robert Burgess.
Pikeville	Pike	656	23								6.10	+2.73	0.96	0	16					F. C. Hall.
Prestonsburg	Floyd	640	4								5.15	.....	1.30	0	13					R. W. Jones.
Quicksand	Breathitt	732	4	65.2	.....	98	29	38	3	40	6.93	.....	1.50	0	11					Walter P. Bush.
Rowan, Lock 12	Estill	631	11								7.13	+2.99	1.85	0	12	13	4	14		J. W. Crooke.
Richmond	Madison	926	38	65.4	— 0.2	92	30	36	3	36	7.76	+4.02	2.55	0	16					Thos. Sullivan.
Valley View, Lock 9	Madison	541	16								8.54	+4.97	1.40	0	14					H. M. Fannin.
Vanceburg, Dam 32	Lewis	525	14								5.83	+1.94	1.43	0	17					G. H. Zimmerman.
Whitesburg	Letcher	1142	4								6.03		1.28	0	10	25	6	0		Lawrence R. Uhl.
Williamson	Whitley	931	32	65.9	+ 0.1	95	31	37	3	46	5.73	+1.63	2.14	0	9					Jessie Hicks.
Wilmore, Lock 13	Jessamine	611	10								6.50	+2.40	1.45	T.	14	12	8	11	s	
State averages and ex cesses				64.1	— 1.2	98	29	32	3	46	7.55	+3.35	3.69							

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Referenced letters, a, b, etc., appearing in the table indicate number of days missing; for example, b represents two days, etc.

T Precipitation is less than 0.01 inch rain or melted snow.

[1] Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

[2] Lone Oak.

[3] Greenup, Dam 30 and Oneonta, Dam 35 are Locks on the Ohio River; other Locks are on the Kentucky River.

[4] Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

[5] Lone Oak.

[6] Lock 7, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 5, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

[7] Lock 4, Rowlett, Ky.; Lock 3, Cave City, Ky.; Lock 2, Glasgow, Ky.; Lock 1, Scottsville, Ky.

[8] Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[9] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[10] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[11] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[12] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[13] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[14] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[15] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[16] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[17] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[18] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[19] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[20] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[21] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[22] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[23] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[24] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[25] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[26] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[27] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[28] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[29] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[30] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[31] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[32] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[33] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[34] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[35] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[36] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[37] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[38] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9, Cairo, Tenn.; Lock 8, Tompkinsville, Ky.; Lock 7, Gamaliel, Ky.; Lock 6, Burkesville, Ky.; Lock 5, Celina, Tenn.; Lock 4, Carthage, Tenn.; Lock 3, Hartsville, Tenn.; Lock 2, Cairo, Tenn.; Lock 1, Scottsville, Ky.

[39] Lock 14, Nashville, Tenn.; Lock 13, Lockland, Tenn.; Lock 12, Bellevue, Tenn.; Lock 11, Carthage, Tenn.; Lock 10, Hartsville, Tenn.; Lock 9

Daily Precipitation for May, 1929.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
ver Dam ..... G	.10	1.40	.15	....	.35	.95	.55	....	.10	....	....	....	.10	1.25	.33	.05	....	1.30	....	....	....	....	....	....	.80	.62	.17	.14	....	....	....	
houn ..... G	.30	1.28	.02	....	.61	1.25	.01	.04	....	....	....	.48	.78	T.	.02	....	.35	.45	....	....	....	....	....	....	.64	.64	.21	....	....	....	....	
rlington ..... G	.12	1.24	.10	.02	.45	.46	.58	....	.17	....	....	....	.09	.91	.02	.08	....	.27	.47	....	....	....	....	....	.17	1.34	.4	.26	....	....	....	
ls Ferry, Dam 50 ..... O	.03	.69	.28	....	.50	.81	.39	....	.15	....	....	....	.53	1.50	....	.19	....	.31	.22	....	....	....	....	....	.69	.17	.67	.04	....	....	....	
enville ..... G	....	.94	.02	....	.52	1.65	....	....	.15	....	....	....	.23	.50	T	.10	....	.80	.16	....	....	....	....	....	3.62	.7	.27	....	....	....	....	
kinsville C	.04	.35	.06	....	.40	1.24	.79	....	.49	....	....	.06	.01	.86	T.	.11	....	.89	.81	....	....	....	....	....	....	.13	.12	.90	.01	....	....	
rsaceville ..... M	....	1.62	....	.53	.05	1.58	....	....	.50	....	....	....	.97	1.09	....	.06	....	.81	.27	....	....	....	....	....	.06	.26	....	....	....	....	....	
rton ..... O	1.00	.30	T.	.70	....	1.30	....	.80	....	....	....	T.	1.20	.36	T	....	....	1.10	....	....	....	....	....	....	.46	T.	T	T	....	....	....	
yfield ..... M	....	.50	....	....	.75	1.10	....	.78	....	....	....	....	.32	.20	....	....	....	.80	.50	....	....	....	....	....	1.70	.05	....	....	....	....	....	
rray ..... T	.12	1.00	T.	....	.41	.68	.80	T.	.80	....	....	T.	.30	.40	T	T.	....	.30	1.30	....	....	....	....	....	2.05	T.	....	....	....	....	....	
ensboro ..... O	.25	1.07	.20	.25	.48	.40	.38	....	T.	....	....	....	1.25	2.20	.10	.22	....	.03	.70	....	....	....	....	....	.24	.25	.44	.22	....	....	....	
ensboro, Dam 46 ‖ ..... O	.25	1.12	.27	.10	.41	.41	.31	....	.03	....	....	....	1.15	2.26	.11	.36	....	.08	.85	....	....	....	....	....	.24	.31	....	.16	....	....	....	
ucah (near) ¶ ..... O	....	1.70	....	.44	....	2.00	....	.50	....	....	....	....	1.20	1.30	....	.10	....	.21	.19	....	....	....	....	....	1.80	.26	....	....	....	....	....	
uisville ‖ ..... G	....	1.85	.08	....	.14	1.00	.85	....	.40	....	....	....	.30	2.00	....	.10	....	.26	.28	....	....	....	....	....	.19	.70	.15	.61	....	....	....	
nceton ..... O	.10	1.05	.08	.38	T.	1.05	....	.25	....	....	....	.05	1.12	.29	.25	....	....	.87	....	....	....	....	....	....	1.23	.61	.10	.16	....	....	....	
ssellville ‖ ..... G	.56	1.40	.06	....	.58	.85	.47	....	.03	....	....	....	.14	1.10	....	....	....	.15	.12	....	....	....	....	....	.41	.70	....	.20	....	....	....	
ontown, Dam 49 ‖ ..... O	.03	1.91	.12	.04	.41	.51	.36	....	.22	....	....	....	1.80	2.22	.30	....	....	1.25	....	....	....	....	....	....	1.10	.05	....	....	....	....	....	
Central Division																									.19	.93	....	.54	....	....	....	
lison, Dam 45 ‖ ..... O	.23	2.00	.19	.11	.45	.28	.23	....	T.	....	....	....	1.04	.72	.33	.05	....	.98	....	....	....	....	....	....	.14	.54	.34	.16	....	....	....	
chorage ..... O	.90	.22	....	.30	.42	.30	....	....	....	....	....	1.47	1.68	1.01	.12	.04	....	1.04	.49	....	....	....	....	....	.11	.78	....	T.	....	....	....	
rdstown ..... S	.10	1.90	.08	.06	.20	.58	.43	....	....	....	....	....	1.63	1.00	.33	....	....	1.25	....	....	....	....	....	....	....	1.30	.40	....	....	....	....	
wling Green ..... G	.05	.32	.10	....	.15	1.02	.85	....	.21	....	....	....	.05	.73	.05	....	.22	.42	....	....	....	....	....	....	.05	1.05	.19	.30	....	....	....	
wling Green, No. 2 ‖ ..... G	....	.45	.01	....	.14	.86	.46	....	.74	....	T.	....	....	1.07	T.	....	.19	.35	....	....	....	....	....	....	....	1.41	.14	.27	....	....	....	
wnsville, Lock No. 6 ‖ ..... G	.19	.97	.18	....	.22	1.32	.71	....	.20	....	....	....	.09	.57	.11	....	.04	.78	....	....	....	....	....	....	.13	.63	....	.09	....	....	....	
nside ‖ C	.25	1.61	.50	T.	.07	.92	1.51	....	.20	....	....	....	T.	.61	.26	....	.06	.60	.06	....	....	....	....	....	....	.13	....	.56	.02	.05	....	
rollton ‖ (Lock No. 1) ..... K	.53	.84	.29	.55	.40	.38	....	....	....	....	....	1.96	.98	1.08	....	....	....	....	1.03	....	....	....	....	....	....	....	....	....	....	....	....	
d Spring, Dam 36 ‖ ..... O	.03	1.47	.22	.26	.32	.15	.03	....	....	....	....	.05	.60	.46	1.36	.02	....	1.10	....	....	....	....	....	....	.16	.14	T.	.93	.41	....	....	
Dam, Burgin ‖ ..... K	1.07	.13	.04	.13	1.15	.64	....	....	....	....	....	.54	.05	.55	.10	....	1.38	....	....	....	....	....	....	....	.52	.02	.04	....	....	....	2.6	
mark ..... G	.10	2.40	.09	....	.08	.70	.70	....	.12	....	....	....	.03	....	.88	.47	....	1.43	.03	.04	....	....	....	....	.11	....	.17	.21	.11	....	....	
nklin ..... G	.22	.84	.40	.15	.26	.36	.30	....	....	....	....	1.72	.89	.36	.06	....	1.32	....	....	....	....	....	....	....	1.20	.05	.45	....	....	....	....	
t. Lock No. 3 ‖ ..... G	....	.28	....	....	.85	1.05	.70	.25	....	....	....	....	.60	.80	.25	....	.50	.80	....	....	....	....	....	....	.15	.20	....	....	....	....	....	
sgow ..... G	.44	.82	.34	.34	.30	.15	.21	....	....	....	....	1.76	.90	.85	.40	....	....	1.60	....	....	....	....	....	....	....	.21	.03	.22	.23	.05	....	
nt, Dam 23 ‖ ..... O	.05	1.30	.12	.30	.42	.17	.04	....	....	....	.60	.05	1.12	.48	1.14	.02	....	1.75	....	....	....	....	....	....	T.	T.	.19	1.35	....	....	....	
ensburg ..... O	.04	.50	.04	.01	.12	.93	1.44	....	.07	....	....	....	.41	....	.49	.38	.02	.01	1.48	.02	....	....	....	....	.92	.15	.04	....	....	....	....	
h Bridge, Lock No. 7 ‖ ..... K	.41	.80	.64	....	.15	1.01	.50	....	....	....	....	....	.37	.03	.20	.05	....	1.20	....	....	....	....	....	....	....	.03	.02	....	....	....	....	
ington ..... O	....	1.25	.17	T.	.58	.68	T.	T	....	....	....	.46	1.48	.86	.07	.04	....	1.10	.35	....	....	....	....	....	1.07	....	.07	T.	....	....	....	
cton City ..... K	.85	1.38	.18	.01	.39	2.25	.32	.02	....	....	....	....	.60	.37	.03	.03	....	.66	1.80	T.	....	.01	....	....	.29	.40	.04	....	....	....	....	
nchester ‖ ..... O	.26	1.28	.45	.03	.20	.72	1.20	....	....	....	....	....	.40	.01	.19	....	T.	....	1.57	....	....	....	....	....	....	.48	....	....	....	....	....	
dfield ..... G	....	2.30	.08	....	1.81	.02	....	.05	....	....	....	.11	.75	1.80	.25	....	....	.57	.77	....	....	....	....	....	1.20	.10	.05	....	....	....	....	
ington *** ..... K	.65	.58	.05	.07	.21	.69	....	....	....	....	....	1.21	.24	.60	T.	T.	....	.54	.42	....	....	....	....	....	.09	.34	T.	....	....	....	T.	
le Bickman, Lock No. 8 ‖ ..... K	.46	1.45	.06	.06	.17	1.85	.50	....	....	....	....	....	.68	.83	.19	.15	T	1.34	....	T.	....	....	....	....	....	.84	....	....	....	....	....	
kport, Lock No. 2 ‖ ..... K	1.04	.11	.35	.33	.23	.06	....	....	....	....	....	1.38	1.11	.71	.16	....	....	1.62	....	....	....	....	....	....	.09	....	.19	.22	....	....	....	
rsville *** ..... O	.57	.30	.28	.86	.01	.29	....	....	....	....	....	1.36	1.31	.65	.11	....	....	1.19	.15	....	....	....	....	....	.09	.38	T	.08	T.	....	....	
o. (Cherokee Park) ..... O	.17	.92	.10	.29	.39	.29	.01	T	....	....	....	1.50	2.76	1.30	T	.10	....	....	2.30	....	....	....	....	....	.24	.69	.03	.03	....	....	....	
fordville ‖ ..... G	.92	.10	....	....	.35	.76	....	.21	....	....	....	....	....	....	.33	.11	....	.10	....	.64	....	....	....	....	....	.74	....	....	....	....	....	
John ‖ ..... S	.20	1.70	.18	.05	.22	.38	.20	....	.01	....	....	T.	1.60	1.87	.38	....	....	....	.91	T.	....	....	....	....	1.15	....	....	....	....	....	....	
ss, Lock No 6 ‖ ..... K	.55	1.60	T.	T.	.15	1.05	.40	....	....	....	....	....	1.95	.25	.68	....	....	....	.90	T.	....	....	....	....	.45	T.	....	.02	....	....	....	
rt L	.03	1.93	.20	.37	.34	.17	....	....	....	....	....	.8s	.59	1.71	.43	....	....	.10	1.05	....	....	....	.01	....	.01	.37	.18	....	....	....	....	
lorsville ..... K	.48	.92	.34	.21	.89	.10	.32	....	....	....	....	....	2.04	1.22	.63	.88	....	1.13	.02	....	....	....	....	....	.22	.49	.05	.01	....	....	....	
one, Lock No. 5 ..... K	.86	1.18	.02	....	.56	....	T.	....	....	....	....	.77	1.07	.67	.14	....	....	.94	.60	....	....	....	....	....	.14	.06	.01	T.	....	T.	....	
nanstown L	.15	.63	.40	.49	.40	.13	.12	....	....	....	....	1.82	1.04	.52	.06	....	....	1.18	.04	....	....	....	....	....	.22	.05	.15	....	....	....	....	
odbury, Lock No. 4 ‖ ..... G	.38	.90	.07	....	.40	1.22	.54	....	.16	....	....	.36	1.00	.62	1.20	....	....	1.64	....	....	....	....	....	....	.45	....	.29	....	....	....	....	
Eastern Division																									.47	1.34	.09	.26	.01	....	....	
land ..... O	.25	.60	1.02	.22	.19	.11	....	....	....	....	....	....	.68	.16	.11	....	....	.83	.29	.20	....	....	....	....	.12	.02	....	.31	....	....	....	
ttsville ..... K	T	1.60	.65	.02	.19	T.	1.76	....	.08	....	....	....	.08	.11	.28	.28	....	1.36	.05	T.	....	....	....	....	.11	T.	.05	.56	T.	....	....	
a ..... K	.05	1.58	.06	.02	.23	1.60	.47	.01	....	....	....	....	.22	.20	.12	....	....	.54	1.28	....	....	....	....	....	.05	....	.06	....	....	....	....	
ge Hill, Lock No. 11 ‖ ..... K	.10	1.65	.35	.05	.15	1.15	.85	....	T.	....	....	....	.40	....	.20	.12	....	1.75	.05	T.	....	....	....	....	....	.26	T.	.02	....	....	....	
liana ‖ L	.28	.91	.06	.22	.18	.25	.16	....	....	....	....	1.33	.98	.39	T.	....	.10	1.25	T.	....	....	....	....	....	.85	....	....	....	....	....	....	
mouth ..... K	....	.91	1.13	.47	.32	.22	.03	....	....	....	....	1.18	1.88	.85	....	....	....	1.35	....	....	....	....	....	....	.27	T.	.24	.32	....	....	....	
mersville ‖ L	.49	.62	2.00	.24	.53	....	1.06	....	....	....	....	.46	.24	....	....	....	....	1.44	....	....	....	....	....	....	.63	....	....	....	....	....	....	
nsburg ‖ L	.85	....	1.15	....	.85	....	....	....	....	....	....	1.40	.25	....	....	....	....	1.05	....	....	....	....	....	....	....	....	1.20	....	....	....	....	
, Lock No. 10 ‖ ..... K	.48	.75	.01	.01	.15	1.33	.75	....	T.	....	....	.58	.68	.24	.03	T.	....	1.19	T.	....	....	....	....	....	.76	T.	.40	....	....	....	....	
g-ore ..... O	.40	1.70	.05	.20	.21	.49	.66	....	....	....	....	.58	.38	.18	.50	....	....	.81	.20	.09	....	....	....	....	.68	.35	....	....	....	....	....	
nnup, Dam 30 ‖ ..... O	.25	1.20	2.22	.29	.29	.03	.69	....	....	....	....	.45	.32	.74	....	....	....	1.25	.13	.06	....	....	....	....	....	....	.02	....	....	....	....	
ard ..... K	....	.98	.82	....	.82	....	.98	....	.22	....	....	.12	....	.55	.22	.03	....	.54	.45	.17	....	....	....	....	....	....	....	.28	....	....	....	
lberg, Lock No. 14 ‖ ..... K	....	1.55	.68	.04	.22	....	2.11	....	.06	....	....	....	1.00	.62	1.20	....	....	1.64	....	....	....	....	....	....	.45	....	.29	....	....	....	....	
lman ..... K	....	....	....	....	....	....	....	....	....	....	....	....	.20	....	.39	....	....	.88	.13	....	....	....	....	....	.08	.26	....	2.10	.15	....	....	
kins ..... K	....	.52	.81	.10	....	1.30	.80	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
isa ..... K	.20	.72	1.06	.05	....	.05	1.14	....	....	....	....	....	.17	....	....	....	....	17	1.70	.45	....	....	....	....	....	....	....	....	.38	....	....	
sville ..... O	.62	.95	.28	.80	.14	.05	.12	....	....	....	....	.42	.52	.06	....	....	....	1.31	.38	.18	....	....	....	....	....	.15	....	....	.00	....	....	
dlesboro C	.08	.45	....	....	.11	.96	1.10	.00	....	....	....	.59	.08	.28	T.	....	....	1.33	.63	T	....	....	....	....	.10	T	.10	.68	....	....	....	
nt Sterling L	.45	.55	.30	.05	....	.75	.50	....	....	....	....	.60	.05	.36	.10	....	....	1.45	T.	T.	....	....	....	....	T.	.20	T.	T.	....	....	....	
oma Dam 35 ‖ ..... O	.03	.28	.88	.22	.80	.10	.02	....	....	....	....	.58	.84	1.60	....	....	....	1.20	....	....	....	....	....	....	.10	.24	T.	.07	.35	T.	....	
wille ‖ ..... B	....	.84	.02	.08	.22	....	.96	....	.28	....	....	.22	....	.18	.20	....	.18	.92	.48	.86	....	....	....	....	.10	....	.18	....	T.	.22	....	
stonsburg ‖ ..... B	.13	1.68	.37	....	.11	....	.84	....	.13	....	....	.13	....	.16	.25	....	1.39	.16	.38	....	....	....	....	....	.14	....	....	....	....	....	....	
eksand ‖ ..... K	....	1.20	.04	.03	....	....	1.31	....	.21	....	....	.15	.45	.34	.11	....	....	1.50	.25	.05	....	....	....	....	.55	.26	....	....	....	....	....	
enna, Lock No. 12 ‖ ..... K	.10	.82	1.85	T.	.15	.43	1.50	....	....	....	....	.12	T	.26	....	T.	....	1.65	T.	....	....	....	....	....	T.	....	.15	.12	....	....	....	
mond ‖ ..... K	.10	.25	1.05	T.	.15	.75	.75	....	....	....	....	.45	.15	.22	....	....	....	2.5	....	....	....	....	....	....	.08	....	.19	....	....	....	....	
ey View, Lock No. 9 ‖ ..... K	.56	.60	.40	.25	1.25	.82	....	....	....	....	.45	.16	.62	.14	....	....	1.40	.06	....	....	....	....	....	.95	....	.35	....	.62	....	.10	
cleburg, Dam No. 32 ‖ ..... O	.32	.56	.38	.31	.22	.03	.46	....	....	....	....	.32	.67	.50	....	....	....	1.43	.17	....	....	....	....	....	....	.05	.38	....	....	....	....	
tesburg ‖ ..... K	....	.93	.65	.29	.10	T.	1.05	.62	.74	....	....	.14	.37	.16	....	.06	.50	1.28	.24	....	....	....	....	....	....	.05	.01	.04	....	....	....	
lamsburg ‖ C	.15	.08	.30	....	....	2.14	....	.25	....	....	....	.02	.85	.55	.09	....	....	.68	T.	....	....	....	....	....	.40	....	.20	....	....	....	....	
ow, Lock No. 13 ‖ ..... K	1.25	....	.50	....	.30	....	1.45	....	....	....	....	.20	....	.60	....	....	....	1.20	....	....	....	....	....	....	.40	....	.20	....	....	....	....	

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi. ¶ Long Oak.

May 13.—A windstorm with tornadic characteristics occurred in Bracken County. path was about seven miles long and quite narrow. A residence and several s were destroyed with a loss of about $10,000.

y 26.—An excessive rain of 3.63 in two hours caused extensive flooding o: resi- es and business houses at Hopkinsville, with heavy loss.

River.—The Mississippi was above flood stage along the western border during the entire month. The Ohio was moderately high practically all of the month. Its lower course was above flood stage at places in the Evansville-Cairo section after the 8th. Green River stood above flood stage at Woodbury from the 8th to 10th and at Rumsey from the 9th to 15th.

Errata for April 1929.—Eubank lowest temperature on 2d.

Daily Temperatures for May, 1929.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	82	75	66	75	67	65	70	64	72	79	83	87	79	88	87	79	77	82	67	61	72	75	82	87	73	85	85	91	92	93	93	78.3
	Minimum	59	38	41	43	43	48	41	42	44	47	62	65	64	64	64	50	41	54	51	48	43	42	49	58	62	62	66	65	67	68	68	53.4
Calhoun	Maximum	77	68	62	71	64	58	67	65	70	77	78	84	77	81	83	76	74	78	68	69	68	75	78	84	79	82	80	88	84	77	90	75.7
	Minimum	56	38	41	46	42	48	42	47	47	47	62	66	66	65	65	48	46	56	49	47	44	45	51	58	64	63	67	68	66	67	69	54.4
Farlington	Maximum	80	67	64	73	68	61	68	65	72	80	81	86	80	82	85	78	76	80	66	66	69	76	80	86	81	84	82	90	91	94	91	77.4
	Minimum	55	37	42	43	45	48	40	42	43	49	63	67	65	66	67	50	40	55	49	47	42	41	49	62	63	64	69	67	68	64	67	53.9
Greenville	Maximum	79	74	63	72	67	57	66	65	70	81	80	86	81	86	88	71	74	79	66	63	67	75	78	82	88	82	81	89	89	91	90	76.4
	Minimum	55	37	39	41	42	47	42	42	45	48	61	65	63	63	63	48	38	54	49	45	44	42	48	57	62	62	68	64	64	64	67	52.7
Hopkinsville	Maximum	80	75	65	74	67	64	71	64	74	83	81	86	85	83	85	76	79	83	67	64	71	79	81	87	80	84	83	91	93	94	94	78.8
	Minimum	53	37	37	48	44	47	42	46	42	48	59	62	64	66	62	52	47	59	50	45	41	42	48	53	64	60	65	61	64	63	67	52.9
Lovelaceville	Maximum	76	69	66	69	60	70	64	61	67	77	80	82	78	78	81	72	71	77	72	69	69	65	72	77	80	76	80	82	86	86	90	75.4
	Minimum	58	39	41	47	44	49	43	49	47	57	66	67	65	65	67	50	45	64	47	46	45	48	57	61	67	68	70	69	70	70	71	56.4
Marion	Maximum	72	73	62	61	69	61	69	68	69	67	78	79	82	79	78	81	72	71	77	75	67	74	81	80	75	80	81	85	86	92	90	75.4
	Minimum	62	36	45	43	40	41	48	46	45	43	48	45	62	64	63	46	43	48	46	46	42	45	61	62	63	67	70	67	70	69	70	52.9
Mayfield	Maximum	76	75	67	70	66	65	72	70	72	78	80	82	83	80	82	79	76	81	75	70	70	76	78	82	82	81	83	87	89	92	92	77.8
	Minimum	55	39	39	52	44	48	41	48	45	49	64	66	64	61	65	62	49	60	54	49	42	42	48	52	62	60	61	62	66	64	67	54.2
Murray	Maximum	80	76	70	78	70	68	70	67	72	81	80	88	85	83	87	80	77	83	70	67	69	78	81	85	83	87	89	90	92	94	95	79.6
	Minimum	61	49	50	52	51	50	43	45	46	44	62	66	63	67	62	50	38	59	50	47	43	40	49	58	62	62	69	64	62	61	65	53.4
Owensboro	Maximum	80	74	68	71	70	67	72	67	73	80	82	84	79	80	83	79	78	80	72	67	73	78	80	85	85	89	92	93	94	94	96	78.0
	Minimum	50	33	39	45	39	46	44	46	46	52	62	60	62	62	67	47	43	52	45	45	42	46	50	55	66	61	65	60	65	64	66	51.3
Paducah (near)	Maximum	80	74	68	71	70	67	72	67	73	80	82	84	79	80	83	79	78	80	72	67	73	78	80	85	85	89	92	93	94	94	96	78.6
	Minimum	55	39	40	46	60	42	40	44	44	49	64	67	64	65	65	50	41	45	45	45	43	43	52	58	64	64	70	67	68	67	69	53.8
Princeton	Maximum	77	73	66	71	63	61	69	68	69	77	78	83	80	81	84	79	74	79	69	63	67	73	79	83	75	80	82	87	87	89	88	75.8
	Minimum	66	39	38	45	44	49	41	43	47	50	63	66	65	66	63	47	41	58	49	45	44	48	51	56	64	64	68	65	66	66	70	54.4
Russellville§§	Maximum	83	64	67	73	66	62	71	66	66	77	78	83	80	79	83	76	80	81	75	70	76	80	81	86	82	84	85	88	91	94	92	78.8
	Minimum	52	60	39	48	45	44	47	43	45	49	58	62	66	65	64	57	49	60	54	49	42	42	48	52	62	60	61	62	66	64	67	54.2
Central Division.																																	
Anchorage	Maximum	77	67	56	66	61	56	67	58	68	73	79	81	69	78	83	70	72	75	64	60	69	..	..	82	79	81	82	84	90	91	89	b78.3
	Minimum	53	36	39	45	41	46	37	46	43	48	57	63	63	61	64	44	40	48	50	43	42	..	..	43	62	62	63	64	64	65	63	b51.4
Bardstown	Maximum	81	75	61	73	68	58	68	67	71	78	82	85	77	78	83	71	77	83	79	66	69	74	78	83	82	84	88	91	92	91	93	77.0
	Minimum	58	42	37	45	45	47	42	44	43	48	58	58	62	63	63	49	40	52	52	47	40	41	45	57	59	64	66	67	67	65	66	52.6
Bowling Green	Maximum	83	75	66	76	69	62	74	70	74	82	82	87	83	80	85	71	80	83	78	72	73	77	83	87	82	85	85	91	94	96	96	79.9
	Minimum	55	60	39	49	46	51	46	44	44	47	61	62	65	61	64	55	41	58	56	60	44	46	49	56	64	61	65	64	63	67	69	55.3
Dix Dam	Maximum	77	69	58	73	66	67	67	64	68	78	80	83	77	75	81	73	78	86	76	55	67	73	73	77	82	81	86	84	86	92	91	76.0
	Minimum	56	40	38	47	46	48	46	47	48	48	58	58	62	64	65	51	54	54	48	48	54	43	45	63	62	62	64	67	63	65	65	54.1
Eubank	Maximum	78	68	58	74	66	61	56	66	69	77	79	83	80	79	80	80	66	71	73	67	66	74	77	84	77	84	86	87	87	89	90	75.5
	Minimum	54	36	36	42	46	56	46	40	46	48	58	57	60	60	63	62	39	55	53	46	40	41	42	50	47	62	63	62	62	62	62	51.2
Frankfort	Maximum	78	78	67	71	64	62	68	66	68	73	80	82	74	76	84	79	73	77	77	66	67	69	78	82	81	81	81	87	89	89	89	75.2
	Minimum	58	45	37	48	45	49	44	48	45	45	54	61	63	61	62	48	43	51	53	46	44	42	44	58	58	64	63	65	64	66	67	52.9
Franklin	Maximum	83	78	67	76	69	64	70	66	71	81	81	86	82	79	86	69	80	84	70	59	72	79	86	84	85	87	88	88	91	94	93	79.4
	Minimum	56	42	40	49	47	49	48	48	46	48	62	66	64	66	61	54	42	63	56	49	43	51	53	67	68	68	64	67	66	67	62	55.9
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Greensburg	Maximum	80	73	62	73	67	62	68	63	69	77	81	84	79	76	81	70	78	82	67	57	68	74	78	83	76	85	84	89	91	92	92	76.1
	Minimum	50	35	35	40	44	45	42	38	43	42	56	58	59	60	58	51	37	52	51	46	37	38	41	50	56	60	60	61	61	68	62	49.5
Irvington	Maximum	77	72	59	71	63	60	66	65	69	75	79	82	74	79	83	73	71	79	66	59	67	71	76	81	79	82	82	85	89	89	89	74.6
	Minimum	57	37	39	48	44	47	43	46	45	45	62	62	63	64	65	47	44	56	51	47	45	47	50	60	62	64	68	67	67	66	70	54.2
Junction City	Maximum	77	70	60	72	68	68	69	67	69	77	80	83	81	78	82	72	69	77	78	75	75	70	78	77	82	75	83	83	88	91	93	76.0
	Minimum	55	40	35	42	45	45	44	47	46	40	45	54	58	60	65	43	37	52	50	46	40	42	54	57	62	68	63	61	65	65	65	50.2
Do. (Cherokee Park)	Maximum	78	71	63	71	65	63	67	59	69	77	79	81	76	76	82	70	74	79	65	66	67	72	77	82	74	83	82	88	90	93	90	74.7
	Minimum	55	36	38	44	47	44	45	45	46	61	63	64	63	63	63	49	40	54	52	47	42	45	50	57	62	63	67	67	66	68	70	53.4
Leitchfield	Maximum	77	68	58	74	66	61	56	66	69	77	79	83	80	79	80	80	66	71	73	67	66	74	77	84	77	84	86	87	87	89	90	75.5
	Minimum	54	36	36	42	46	56	46	40	46	48	58	57	60	60	63	62	39	55	53	46	40	41	42	50	47	62	63	62	62	62	62	51.2
Lexington	Maximum	78	78	67	71	64	62	68	66	68	73	80	82	74	76	84	79	73	77	77	66	67	69	78	82	81	81	81	87	89	89	89	75.2
	Minimum	58	45	37	48	45	49	44	48	45	45	54	61	63	61	62	48	43	51	53	46	44	42	44	58	58	64	63	65	64	66	67	52.9
Louisville	Maximum	83	78	67	76	69	64	70	66	71	81	81	86	82	79	86	69	80	84	70	59	72	79	86	84	85	87	88	88	91	94	93	79.4
	Minimum	56	42	40	49	47	49	48	48	46	48	62	66	64	66	61	54	42	63	56	49	43	51	53	67	68	68	64	67	66	67	62	55.9
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Greensburg	Maximum	80	73	62	73	67	62	68	63	69	77	81	84	79	76	81	70	78	82	67	57	68	74	78	83	76	85	84	89	91	92	92	76.1
	Minimum	50	35	35	40	44	45	42	38	43	42	56	58	59	60	58	51	37	52	51	46	37	38	41	50	56	60	60	61	61	68	62	49.5
Irvington	Maximum	77	72	59	71	63	60	66	65	69	75	79	82	74	79	83	73	71	79	66	59	67	71	76	81	79	82	82	85	89	89	89	74.6
	Minimum	57	37	39	48	44	47	43	46	45	45	62	62	63	64	65	47	44	56	51	47	45	47	50	60	62	64	68	67	67	66	70	54.2
Junction City	Maximum	77	70	60	72	68	68	69	67	69	77	80	83	81	78	82	72	69	77	78	75	75	70	78	77	82	75	83	83	88	91	93	76.0
	Minimum	55	40	35	42	45	45	44	47	46	40	45	54	58	60	65	43	37	52	50	46	40	42	54	57	62	68	63	61	65	65	65	50.2
Do. (Cherokee Park)	Maximum	78	71	63	71	65	63	67	59	69	77	79	81	76	76	82	70	74	79	65	66	67	72	77	82	74	83	82	88	90	93	90	74.7
	Minimum	55	36	38	44	47	44	45	45	46	61	63	64	63	63	63	49	40	54	52	47	42	45	50	57	62	63	67	67	66	68	70	53.4
Leitchfield	Maximum	77	68	58	74	66	61	56	66	69	77	79	83	80	79	80	80	66	71	73	67	66	74	77	84	77	84	86	87	87	89	90	75.5
	Minimum	54	36	36	42	46	56	46	40	46	48	58	57	60	60	63	62	39	55	53	46	40	41	42	50	47	62	63	62	62	62	62	51.2
Lexington	Maximum	78	78	67	71	64	62	68	66	68	73	80	82	74	76	84	79	73	77	77	66	67	69	78	82	81	81	81	87	89	89	89	75.2
	Minimum	58	45	37	48	45	49	44	48	45	45	54	61	63	61	62	48	43	51	53	46	44	42	44	58	58	64	63	65	64	66	67	52.9
Louisville	Maximum	83	78	67	76	69	64	70	66	71	81	81	86	82	79	86	69	80	84	70	59	72	79	86	84	85	87	88	88	91	94	93	79.4
	Minimum	56	42	40	49	47	49	48	48	46	48	62	66	64	66	61	54	42	63	56	49	43	51	53	67	68	68	64	67	66	67	62	55.9
Do. (Cherokee Park)	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Leitchfield	Maximum	77	68	58	74	66	61	56	66	69	77	79	83	80	79	80	80	66	71	73	67	66	74	77	84	77	84	86	87	87	89	90	75.5
	Minimum	54	36	36	42	46	56	46	40	46	48	58	57	60	60	63	62	39	55	53	46	40	41	42	50	47	62	63	62	62	62	62	51.2
Lexington	Maximum	78	78	67	71	64	62	68	66	68	73	80	82	74	76	84	79	73	77	77	66	67	69	78	82	81	81	81	87	89	89	89	75.2
	Minimum	58	45	37	48	45	49	44	48	45	45	54	61	63	61	62	48	43	51	53	46	44	42	44	58	58	64	63	65	64	66	67	52.9
Louisville	Maximum	83	78	67	76	69	64	70	66	71	81	81	86	82	79	86	69	80	84	70	59	72	79	86	84	85	87	88	88	91	94	93	79.4
	Minimum	56	42	40	49	47	49	48	48	46	48	62	66	64	66	61	54	42	63	56	49	43	51	53	67	68	68	64	67	66	67	62	55.9
Louisville (Cherokee Park)	Maximum	78	71	63	71	65	63	67	59	69	77	79	81	76	76	82	70	74	79	65	66	67	72	77	82	74	83	82	88	90	93	90	74.7
	Minimum	55	36	38	44	47	44	45	45	46	61	63	64	63	63	63	49	40	54	52	47	42	45	50	57	62	63	67	67	66	68	70	53.4

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

THE LIBRARY OF THE
UNIVERSITY OF ILLINOIS

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., JUNE, 1929 No. 6

GENERAL SUMMARY.

Low temperature that predominated, during the first half adversely affected the growth of early corn and cotton, and delayed the germination of later plantings. In the last half, however, temperatures near or above normal stimulated growth and favored cultivation, thus largely offsetting the earlier retarding influences. Heavy to excessive rains in the second and third weeks caused some damage by local flooding and washing, and spot lowlands generally too wet for preparation or planting. With the exception of such lands, corn planting was practically completed in the first week. As a rule the dry periods were long enough to permit of thorough cultivation of early corn and tobacco. Although somewhat foul at the inception of this work, the timely recurrence of short dry spells resulted in a rapid and fairly complete cleaning of these crops. Showers at intervals in the first half favored completion of hand transplanting of tobacco, while the low temperature helped to insure good stand. There was also ample opportunity for machine setting, since no delay from weather conditions occurred in putting out the tobacco crop. The higher temperature and drier weather of the last two weeks hastened the ripening of wheat and provided suitable conditions for harvest, which began in the southern counties about the 15th and moved north and east during the remainder of the month. Much first crop alfalfa was cut at its time, because of weather previously unfit for curing. This period provided the first weather favorable for the growth of cotton. Temperature and moisture conditions of the first half favored oats, which developed better than usual. Pastures continued excellent throughout the month, although their rank luxuriance was checked by the higher temperature and drier weather of the last half. These conditions were opportune for the saving of bluegrass seed. The month ended with marked improvement visible in all crops, and farm activities as affected by the weather in a highly satisfactory state.

TEMPERATURE.

Reports from 42 temperature stations gave an average for the state of 71.7°, which is 2.1° below the normal for this month. Mean daily deficiencies of 5° to 18° predominated in the first two weeks. Minima of 37° to 45° occurred at most stations on the 3d and 4th. Light frost was reported from some northern localities on the 3d. There were a few rather warm days in the third week, but as a rule maxima were lower than usual in this month. Extremes for the State were 97° at Bowling Green on the 20th and 37° at farmers on the 4th.

PRECIPITATION.

As determined from the records of 83 stations, the State average precipitation was 4.11 inches, which is near normal for June. It occurred almost entirely in connection with thunderstorms, hence was local and irregular in distribution. In a few northeastern border counties the total rainfall ranged from 5.0 to 7.0 inches. It also exceeded 5.0 inches in limited areas from Mason county southward across the Licking Valley, at the mouth of the Kentucky, and in the extreme western counties. In the central district, including the Green River Valley, and also in the extreme eastern counties amounts ranged from 2.0 to 4.0 inches. Moderate to heavy rains occurred generally in the periods 9th, 12-14th, and 24th-26th. Showers, more or less local in character, occurred on the 23d and 19th-21st. The rains of the 13-14th were heavy to excessive in many localities, and a few places received similar rains on the 25th. Monthly amounts ranged between 1.56 inches at Irvington and 6.59 inches at Hopkinsville. Thunderstorms were reported on 16 days, frequently attended by destructive lightning.

PRESSURE AND WIND.

Stations	Average.	Highest.	Date.	Lowest.	Date.	Total movement	Av. hourly velocity.	Max. Velocity* Miles per hour	Direction.	Date.
	Atmospheric Pressure. In inches reduced to sea level.					Wind †				
Cairo ..... Ill.	29.96	30.16	4	29.70	11	4928	6.8	28	nw.	12
Cincinnati ..... Ohio	29.99	30.20	17	29.66	28	3752	5.2	23	ne.	16
Evansville ..... Ind.	29.99	30.20	4	29.73	12	5020	7.0	28	n.	12
Lexington ..... Ky.	29.90	30.21	17	29.77	28	6903	9.6	26	ne.	30
Louisville ..... Ky.	29.99	30.29	17	29.74	28	5652	7.8	40	sw.	24

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Rel. Humidity. Noon.	Rel. Humidity. 7 p. m.	Sunshine. Total hours of Sunshine.	Sunshine. No. of hours possible.	Sunshine. Percentage of possible.	Sunshine. Number of days with 80 per cent or more.	Sunshine. Number of days with 20 per cent or less.
Cairo ..... Ill.	79	56	63	347.2	439.1	79	18	0
Cincinnati ..... Ohio.	79	54	63	319.7	446.0	72	16	3
Evansville ..... Ind.	76	57	60	328.2	443.0	74	19	3
Lexington ..... Ky.	77	58	..	263.1	443.0	59	9	3
Louisville ..... Ky.	78	54	62	324.0	443.0	73	16	2

COMPARATIVE DATA FOR JUNE.

Year	Temperature. Monthly average.	Temperature. Departure from 40 year normal.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Monthly average.	Precipitation. Departure from 40-year normal.	Precipitation. No. of days with .01 in. or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	70.6	− 3.2	99	38	5.27	+1.03	..	..	..	..	..
1890...	78.4	+ 4.6	101	51	4.96	+0.71	..	..	..	..	..
1891...	77.1	+ 3.3	97	51	4.48	+0.23	..	..	..	..	..
1892...	75.8	+ 2.0	101	48	4.23	−0.02	..	..	..	..	..
1893...	73.3	− 0.5	97	46	4.64	+0.39	..	..	..	..	..
1894...	75.6	+ 1.8	102	35	2.69	−1.56	..	..	..	..	..
1895...	75.9	+ 2.1	101	47	3.63	−0.62	..	15	10	5	0
1896...	73.5	− 0.3	98	46	4.64	+0.49	10	11	12	7	0
1897...	77.1	+ 3.3	101	41	3.61	−0.64	9	14	12	4	0
1898...	76.2	+ 2.4	101	45	3.90	−0.35	9	15	12	3	0
1899...	76.1	+ 2.3	100	44	2.80	−1.45	8	15	10	5	0
1900...	73.9	+ 0.1	100	40	6.14	+1.89	14	8	12	10	0
1901...	75.6	+ 1.8	104	42	3.97	−0.28	9	15	9	6	0
1902...	73.4	− 0.4	101	39	4.75	+0.50	11	13	9	8	0
1903...	68.6	− 5.2	96	37	3.61	−0.64	10	14	8	8	0
1904...	72.2	0.6	99	38	3.14	−1.11	11	14	10	6	0
1905...	74.8	+ 1.9	106	45	4.49	+0.24	10	16	6	8	0
1906...	73.9	+ 0.1	99	42	4.53	+0.28	11	11	8	8	0
1907...	70.2	− 3.6	95	41	4.91	+0.66	11	12	9	9	0
1908...	73.4	− 0.4	102	43	4.36	+0.11	7	17	8	5	0
1909...	74.5	+ 0.7	99	43	5.03	+0.78	14	10	11	9	0
1910...	70.0	− 3.8	99	36	5.20	+0.95	10	15	8	7	0
1911...	75.2	+ 1.4	106	45	4.06	−0.19	10	17	7	7	0
1912...	70.2	− 3.6	95	38	3.48	−0.77	10	13	8	9	0
1913...	74.0	+ 1.2	107	38	2.87	−1.38	7	19	6	5	0
1914...	78.3	+ 4.5	108	45	5.30	+1.05	5	18	8	4	0
1915...	71.7	− 2.1	95	42	4.79	+0.54	12	12	10	8	0
1916...	70.1	− 3.7	99	45	5.84	+1.59	11	13	10	7	0
1917...	70.9	− 2.9	100	39	4.30	+0.05	10	15	9	6	0
1918...	73.6	− 0.2	104	37	2.42	−1.83	8	17	8	5	0
1919...	70.7	− 2.9	103	51	4.66	+0.25	10	14	10	6	0
1920...	71.9	− 1.9	100	44	3.12	−1.13	7	17	6	7	0
1921...	72.8	+ 1.0	106	46	2.90	−1.35	8	14	11	5	0
1922...	73.1	+ 1.6	101	44	3.10	−1.15	9	14	10	6	0
1923...	72.8	0.0	99	42	4.59	+0.34	9	16	8	6	0
1924...	74.2	+ 0.4	99	42	4.39	+0.14	12	13	10	7	0
1925...	77.0	+ 3.2	105	48	3.90	−0.35	7	16	8	6	0
1926...	70.9	− 2.9	98	42	3.45	−0.78	8	15	9	6	0
1927...	76.1	+ 2.3	98	42	4.78	+0.12	11	14	8	8	0
1928...	69.5	− 4.3	93	45	10.88	+6.07	18	7	10	13	0
1929...	71.7	− 2.1	97	37	4.11	−0.14	9	17	7	6	0

Climatological Data for June, 1929.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches			Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	25	73.7	− 0.6	97	30	43	4	35	3.51	+0.34	1.10	0	7	23	0	7	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	25	73.1	− 2.3	95	30	46	3	33	2.61	−0.98	1.38	0	7	10	17	3	sw.	W. A. Taylor.
Earlington	Hopkins	420	39	73.6	− 2.4	95	30	44	4	35	5.80	+2.01	2.12	0	11	22	2	6	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	366	..	....	....	....	....	....	....	....	3.89	....	1.34	0	9	....	....	....	....	P. H. McGinnis.
Greenville	Muhlenburg	519	12	71.8	− 3.1	92	18†	45	4	33	4.98	+0.97	1.50	0	9	18	8	4	s.	C. R. Lovell.
Hopkinsville	Christian	524	33	73.8	− 1.7	95	18†	46	3	37	3.83	−0.45	1.04	0	9	12	2	16	se.	W. E. Graves.
Lovelaceville	Ballard	....	....	73.2	....	92	30	49	3	24	4.61	....	1.34	0	9	11	16	3	sw.	B. Sallee.
Marion	Crittenden	571	31	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	B. C. Paris.
Mayfield	Graves	364	20	74.2	− 0.5	92a	1†	45a	4	32a	5.17	+1.34	1.30	0	8	15a	8a	3a	nw.	Mrs. C. R. Sowell.
Murray	Calloway	412	3	73.9	....	97	30	46	4	36	4.76	....	1.20	0	9	19	3	8	s.	Harry B. Arnold
Owensboro	Daviess	479	32	70.6	− 3.7	94	30	44	3	32	2.97	−0.78	1.05	0	5	....	....	....	....	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	1	....	....	....	....	....	....	....	3.14	....	1.26	0	5	....	....	....	....	George McGlemary.
Paducah	McCracken	516	12	73.8	− 3.2	95	18	46	4	34	6.28	+2.40	1.50	0	7	19	6	5	se.	J. W. Lilley
Paducah (near)	McCracken	341	40	....	....	....	....	....	....	....	6.91	+2.06	2.55	0	6	....	....	....	....	Frank L. Brown.
Paducah	McCracken	529	22	72.5	− 3.2	94	30	48	3	29	5.79	+2.22	1.46	0	10	14	12	4	s.	Dr. W. L. Cash.
Princeton	Caldwell	....	....	....	....	....	....	....	....	....	2.66	−1.13	0.83	0	6	....	....	....	....	Thos. L. Wetzell.
Ramsey, Lock 2	McLean	384	12	....	....	....	....	....	....	....	2.33	−0.62	0.73	0	7	18	6	6	n.	Wm. Shelton.
Russellville	Logan	590	18	73.6	− 1.3	94	18†	45	4	37	3.20	....	1.62	0	8	....	....	....	....	H. R. Sale.
Uniontown, Dam 49	Union	357	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
											2.98	....	1.03	0	6	....	....	....	....	C. L. Moore.
Central Division.																				
Addison, Dam 45	Breckinridge	352	1	....	....	....	....	....	....	....	3.98	+0.36	1.24	0	9	20	7	3	sw.	C. E. Barret.
Anchorage	Jefferson	709	28	69.6	− 2.3	91	30	42	3	33	3.40	−0.69	0.72	0	5	14	13	3	....	Mrs. Emily T. Sisco.
Bardstown	Nelson	637	32	72.3	− 2.2	93	17†	43	4	34	3.74	+0.02	1.25	0	5	14	13	3	....	Mrs. Lillie G. Causey.
Bowling Green	Warren	500	40	75.0	− 0.8	98	30	46	4	37	4.52	....	1.44	0	6	....	....	....	....	Jas. R. Hines.
Bowling Green, No. 2	Warren	469	4	....	....	....	....	....	....	....	3.87	−0.08	1.49	0	7	....	....	....	....	Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	410	12	....	....	....	....	....	....	....	6.05	+1.95	1.24	0	12	....	....	....	....	T. A. Lewis
Burnside	Pulaski	773	38	....	....	....	....	....	....	....	5.27	+1.84	0.98	0	8	....	....	....	....	Shelby Angel.
Carrollton, Lock 1	Carroll	422	30	....	....	....	....	....	....	....	4.03	....	0.78	0	13	....	....	....	....	Bert Ross.
Cold Spring, Dam 36	Campbell	489	3	....	....	....	....	....	....	....	2.97	....	0.92	0	8	22	3	5	sw.	G. D. Glass.
Dix Dam, Bargin	Mercer	770	5	72.1	....	94	22	45	3†	35	4.36	+0.28	1.91	0	8	7	17	6	s.	Mrs. Katie Payne.
Eubank	Pulaski	1157	35	70.6	− 0.8	94	18	45	4†	38	1.71	−2.52	0.46	0	9	17	5	8	s.	Sidney Wood.
Frankfort	Franklin	560	37	71.8	− 1.8	92	18†	45	3	33	5.35	+1.70	1.60	0	9	19	11	0	s.	M. E. Johnson.
Franklin	Simpson	691	34	75.6	+ 0.4	97	22†	46	3	34	2.98	−1.06	1.10	0	11	....	....	....	....	Albert Purvis.
Great, Lock 3	Henry	449	18	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Dr. Fidella Edwards.
Glasgow	Barren	780	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	W. T. Dugan.
Grant, Dam 38	Boone	566	4	....	....	....	....	....	....	....	4.35	....	0.92	0	11	....	....	....	....	....
Greensburg	Green	581	36	70 8	− 2.5	93	20†	40	4	40	3.52	−1.08	1.88	0	9	6	1	23	ne.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	27	....	....	....	....	....	....	....	2.59	−1.33	0.76	0	9	....	....	....	....	Miss Lulu Wood.
Irvington	Breckinridge	646	31	71.9	− 2.0	92	30	45	3	29	1.56	−2.29	0.62	0	7	19	7	4	sw.	W. J. Piggott.
Junction City	Boyle	985	35	70.6	− 1.5	95	24	41	4	36	2.20	−1.51	0.64	0	7	18	9	3	s.	Caroline Grubbs.
Lancaster	Garrard	1032	3	....	....	....	....	....	....	....	3.83	....	0.95	0	9	....	....	....	....	L. J. Vanhook.
Leitchfield	Grayson	635	33	72.1	− 1.1	92	18†	44	3	30	3.31	−0.42	1.20	0	9	16	11	3	sw.	H. H. Willis.
Lexington	Fayette	989	45	70.6	− 1.6	90	22	42	3	28	4.25	+0.20	1.95	0	12	11	16	3	sw.	U. S. Weather Bureau.
Little Rickman, Lock 8	Jessamine	528	18	....	....	....	....	....	....	....	5.23	+1.06	1.80	0	9	....	....	....	....	Horace Carter.
Lockport, Lock 2	Henry	476	19	....	....	....	....	....	....	....	5.01	+0.47	1.33	0	16	....	....	....	....	Andrew J. Keenan.
Louisville	Jefferson	525	56	72.2	− 2.5	92	30	44	3	28	4.46	+0.64	1.68	0	12	13	13	4	s.	U. S. Weather Bureau.
Do (Cherokee Park)	Do.	534	19	69.9	− 2.5	90	30	43	3	30	4.69	+0.60	2.04	0	11	16	10	4	sw.	Wm. I. Hunt.
Munfordville	Hart	660	4	....	....	....	....	....	....	....	2.92	....	1.60	0	6	....	....	....	....	A. G. Hubbard.
Nicholasville	Jessamine	777	33	70.3	− 2.4	92	18†	43	4	34	2.53	−1.50	1.40	0	7	24	3	3	....	Sisters of Loretto.
Owingsville	Bath	1000	15	....	....	....	....	....	....	....	3.53	−1.03	1.10	0	6	....	....	....	....	Ernest M. Searcy.
Paris	Bourbon	750	45	70.6	− 1.6	90	22	42	3	28	4.62	+1.05	0.83	0	12	8	15	7	sw.	E. B. Wilson.
Pewee Valley	Jefferson	800	25	....	....	....	....	....	....	....	4.62	+1.05	0.83	0	12	8	15	7	sw.	E. B. Wilson.
Salvisa, Lock 6	Mercer	900	31	68.2	− 3.5	87	18†	40	3	29	4.62	+1.05	0.83	0	9	15	4	11	s.	Miss Ruth Botts.
Sand Y	Kenton	826	40	69.6	− 2.7	93	30	39	3	37	1.71	−2.69	0.57	0	9	17	4	7	n.	F. D. Bourne.
Shelbyville	Shelby	489	27	71.9	− 0.6	92	30	41	4	35	2.79	−1.47	0.59	0	9	17	4	7	n.	H. K. Vaughn.
Taylorsville	Spencer	....	....	....	....	....	....	....	....	....	3.57	−0.96	1.30	0	8	....	....	....	....	....
Tyrone, Lock 5¶	Anderson	526	11	....	....	....	....	....	....	....	3.55	−0.29	0.80	0	10	18	6	6	e.	Mrs. E. S. Hamlong
Williamstown	Grant	943	26	69.9	− 1.3	91	24	39	3	34	4.55	+0.91	1.53	0	9	....	....	....	....	H. J. Lewis.
Woodbury, Lock 4	Butler	552	12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Eastern Division.																				
Ashland	Boyd	534	12	71.2	− 2.7	95	23	44	4	31	3.09	−0.45	1.10	0	11	20	0	10	s.	Curtis Purvis.
Beattyville	Lee	650	25	70.4	− 2.8	94	18	41	4	38	6.07	+1.53	1.61	0	10	10	11	9	sw.	Robert S. Smallwood
Berea	Madison	1070	27	71.4	− 1.5	94	22	42	4	35	2.72	−1.83	0.77	0	11	....	....	....	....	Chas. C. Graham.
College Hill, Lock 11	Madison	601	19	....	....	....	....	....	....	....	3.58	−0.93	0.90	0	9	....	....	....	....	Kelly Walden
Cynthiana	Harrison	684	11	....	....	....	....	....	....	....	3.48	+0.16	0.80	0	9	....	....	....	....	P. H. Kehoe.
Darlton	Pike	....	....	69.4	....	90	20†	43	4	36	6.36	....	2.34	0	12	16	10	4	....	James Sowards.
Falmouth	Pendleton	600	40	....	....	....	....	....	....	....	4.79	+0.59	1.27	0	11	....	....	....	....	J. V. Oldham
Farmers	Rowan	668	21	68.1	− 2.9	91b	17†	37b	4	40b	5.17	+0.90	1.20	0	10	20	1b	7b	e.	Mrs. R. F. Stamper
Flemingsburg	Fleming	841	4	....	....	....	....	....	....	....	6.70	....	1.02	0	10	....	....	....	....	C. A. Glascock
Ford, Lock 10¶	Clark	593	13	....	....	....	....	....	....	....	4.39	+0.71	1.45	0	11	....	....	....	....	John A. Walters.
Grayson	Carter	589	4	....	....	....	....	....	....	....	2.86	....	1.36	0	9	....	....	....	....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	9	....	....	....	....	....	....	....	3.10	−1.26	0.52	0	11	....	....	....	....	T. Mitchell.
Hazard	Perry	869	5	....	....	....	....	....	....	....	4.06	....	0.94	0	12	....	....	....	....	Chas O. Ihrig.
Heidelberg, Lock 14	Lee	664	12	....	....	....	....	....	....	....	2.39	−0.79	0.95	0	10	....	....	....	....	S. C. Cole.
Jenkins	Letcher	1566	4	....	....	....	....	....	....	....	5.06	....	1.86	0	6	....	....	....	....	R. R. Davidson.
Louisa	Lawrence	584	25	....	....	....	....	....	....	....	3.85	−0.94	0.97	0	9	....	....	....	....	Russian Copley.
Manchester	Clay	....	....	....	....	....	....	....	....	....	4.06	....	1.06	0	12	....	....	....	....	J. L. Manning.
Maysville	Mason	521	32	69.7	3 6	93	18	39	4	36	5.51	+1.56	1.01	0	12	11	13	6	s.	Perry E. Bennett
Middlesboro	Bell	1128	33	72 2	− 0.2	96b	17a	42b	4	39b	6.66	+2.15	1.58	0	12	15b	13b	0b	....	Matthew Woodson.
Mount sterling	Montgomery	930	39	69.3	3.1	91	19†	41	3†	36	4.95	+0.10	1.36	0	9	21	2	7	w	W. R. McKee.
Oneonta, Dam 35	Campbell	497	7	....	....	....	....	....	....	....	4 81	....	1.60	0	12	....	....	....	....	Andrew M. Stanforth.
Pikeville	Pike	636	23	....	....	....	....	....	....	....	3.80	−0.59	1.08	0	9	....	....	....	....	Robert Repass.
Prestonsburg	Floyd	640	4	....	....	....	....	....	....	....	4.15	....	0.84	0	9	....	....	....	....	F. C. Hall.
Quicksand	Breath itt	782	4	67 2	5	95a	18	42b	4	40a	3.71	....	0.76	0	9	....	....	....	....	R. W. Jones.
Redwood	Estill	631	11	....	....	....	....	....	....	....	2.59	−1.64	0.54	0	8	....	....	....	....	Walter P. Bush.
Rockcastle, Lock 12	Madison	996	38	72.2	1.3	93	18	45	3†	31	4 09	+0.14	0.78	0	9	24	1	5	....	J. W. Crooke.
Sharpsburg	Bath	....	....	....	....	....	....	....	....	....	5 64	+1.12	1.30	0	11	....	....	....	....	Thos. Sullivan.
Valley View, Lock 9	Madison	541	16	....	....	....	....	....	....	....	4 02	−0.58	1.51	0	7	....	....	....	....	H. M. Fannin.
Vanceburg, Dam 32	Lewis	525	14	....	....	....	....	....	....	....	3 73	....	1.74	0	7	....	....	....	....	G. H. Zimmerman.
Versailles	Woodford	1142	4	....	....	....	....	....	....	....	5 64	+1 22	1 70	0	7	21	6	0	....	Lawrence R. Uhl.
Williamsburg	Whitley	930	32	73.0	0.8	95	18	43	4	30	4.55	−0.73	1.35	0	6	....	....	....	....	Jessie Hicks.
Willow Lock 13	Lee	611	10	....	....	....	....	....	....	....	1 11	0.14	2.52	0	9	17	7	6	s.	....
				71.7	− 2.1	97	30	37	4	40										

Many averages and totals omitted.

All temperature data are taken from self-registering thermometers.

The departures from normal temperatures and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. † Received too late to be included in means and summaries.

¶ Post-office addresses: —Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

‡ Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

§ Locke Oak.

T Precipitation is less than 0.01 inch rain or melted snow.

MISCELLANEOUS.

June 12. — A windstorm damaged roofs in Christian County to the extent of several thousand dollars. A tornado in Muhlenberg County destroyed a barn near Winchester. Two boys were drowned when bathing in the Kentucky River at Frankfort.

June 13. — Damage to truck gardens estimated at $10,000 was caused by heavy hail in Jefferson County and the southern edge of Louisville. Wind caused some damage to roofs and trees in the same district. Damage of about $10,000 to roofs and timber was reported from Grayson County.

Daily Precipitation for June, 1929.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
ver Dam ..... G			.26					.11	.30			.05	1.16	1.00																		
oom ..... G		.04					.08	.20				.32	1.38						T	T				.12	.41							
lington ..... G		.75	.11					.37	.14			.11.2	.17	1.00					.02	.80	.68				.36							
ds Ferry, Dam 50 ..... O		.50						.30	.31			.25	1.34	.28							.20			.10	.58							
nsville ..... G		.38					.05	1.50				.52	.67	.29					.80	.67			T.	T	.73							
lanesville C		.42	.11					.24	.31			T	1.01	.93							.15			.14	.48							
ton ..... M	1.30							.48			T	.46	1.34	.10					.40	.19			.22		.12							
field ..... O	T	.65				T	1.40				T																				
ray ..... M	.50	.47				.92	.35						1.30	.50																		
nsboro ..... T	.93	.02					.60	.20				T.	.40	1.20						T	.46				.32			.63				
nsboro, Dam 46 ..... O		T	T				.24	.48				T.	1.06	.72					T					T	.55			T				
neah (near) ..... O	.90	.50					.24	.02					1.26	.80											.75	T.			T			
neah ..... O		1.35					.25					1.05	1.50	.18					1.40													
nerton ..... G	.37	.90					.27					T.	2.55	.60							1.80				.14							
sey, Lock No. 2 ..... G						.12	.32			.05	1.32	1.46					T	.63	.10				.52									
sellville ..... G		.23	.19				.23	.22					.76	.88					.02						.60							
ntown, Dam 49 ..... O		.26	T.					.30				.12	.25	.51											.73							
Central Division							.50	.41				.04	1.62	.20							.10				.07							
sea, Dam 45 ..... O			.14																													
horage ..... O							.32	.20					.98	1.03											.31			T				
s-town ..... S		.03					.32					1.24	.98					.12	.25				.50	.49								
ling Green ..... G		T	T				.27	.57					.60	.69						.18				.06	.72	.12						
ling Green, No. 2 ..... G		T.						.55				.03	1.25	1.25					T						.76							
rnsville, Lock No. 6 ..... G			.01					.13				.06	1.11	1.39						.30				1.44							
sville C			.20					.52					1.19	.92				.31				.20		.30							
olton ..... (Lock No. 1) K			.43				.20	.95					.88		.04				.21			.20	.37	.95	1.24		1.11	.02			
Spring, Dam 36 ..... O		.06	.47					.42	.45				.25	.38									.63			.95	.70					
Dam, Burgin ..... K												.34	.23	.78	.02		.69		.43			T.	.04	.21	.03		.71	.02	T		
nk ..... O			.12				.32	.18				.92	.38					.10						.34	.19				.60			
kfort ..... K			.06					.26	.21				.49	.63					.07						1.91	.59						
klin ..... G		.20						.45	.25			T	.46	.06		T.				.63			T		.80	.05		.05				
, Lock No. 3 ..... K			.24									.20	.66	.40				.15		.65			.70		1.60				.65			
gow ..... G								.41	.10			.10	1.10	.11						.63					.40	.02						
t, Dam 33 ..... O		.07	.72					.12	T.			.30	.28	.65			T.	T	.62				T.	.20	.05		.65	.32			
gstarg ..... G			.11					.20	.20				1.83	.18					.01						.60	.28						
Bridge, Lock No. 7 ..... K		.11						.26	.30			.03	.76	.23									.05		.26	.01						
rton ..... O		T.										.02	.62	.44					T.					T.	.05		.10				
ton City ..... K		.03	.01				.21	.12				.88		.46						.10		T.			.58		T				
aster ..... K			.02					.49	.20				.69	.05				.01					.63	.38	.46						
hfield ..... G		.06					.15	.52				.15	1.26	.20					.07				.81	.65		T.					
ugton *** ..... K		.01					.12	.57				.52	.34	.01			T.	.20			.71	T.	.18	.21			.13	..	1.41		
e Bickman, Lock No. 8 ..... K	.10	T.						.60	.18		T.	T.	.70	.33				1.80	.30					.90	.30						
gert, Lock No. 2 ..... K		.27					.41	.30		.23	.95	.14		.01	.05			.01				.08	.01	.84	.01		.04	.33	..	1.33	
SVILLE *** ..... O		.16					.27	.28		.02	.88	1.93								.15	.86	T		.17	.18			.03	T			
, (Cherokee Park) ..... G			.04				.80		.06		.47	.58	2.04					.20	.60				.11	.26			.02				
ford ville ..... G			.11					.16				1.00	.70											.16	.10						
ton ..... S	.02	T.	T				.05	.60				1.46	.88					.10						.02							
sa, Lock No 6 ..... K	T.		T					.15				1.10	.07						.58					.40							
..... L		.60				.23	.27				.43	.18	.63	.26		.23				T.	.02			.07			.63		.02		
oxville ..... S			.03				.17	.02			.01	.47	.28						.09				.67					.07			
rsville ..... S						.26	.42				.59	.14	.46		.05	.17							.45	.25							
ne, Lock No. 5 ..... K		.09				.62	.10				.95	.14											1.30	.06			.30				
mstown L			.28				.27	.42			.20	.80	.68		.05	.44								.20				.70			
bury, Lock No. 4 ..... G			.05				.05	.56			.29	1.53	1.40			.05								.06	.62						
Eastern Division																																
and ..... O			.25				.02	.19				1.10	.17			.19			.06					.07	.06	.30			.68			
yville ..... K	1.61		.16			T	1.24					.44	.11						.09				.39	T.	.08	.96		.10			
e Hill, Lock No. 11 ..... K	T.		.08	.04			.77	.22			.26	.48	.26						.13		.05		.05	.25			.10				
mana ..... K			.02				.20	.10				.50	.20						.10	.30		.05		.52	.45			.04			
on ..... B		.24					.10	.06			.05	.80	.70					T		T.	T.			.40			.10		.40		
outh L		T.	.09				1.00	.05	T.		.15	.02	T							.55	.78	.24		.43	.12		.16	T.	.03		
ers L			.31				.29	.21			.25	.65	1.27			.01			.61					.34	.02		.84	T.			
nesburg L		.27						.18				.24	.66		.70				.10					.69	.71			1.20			
Lock No. 10 ..... K		.30					.25				1.92	.70			.65					.35			.45	.40						
son ..... O		T.					.44	.35			.09	.35	.73					T	.05	T.			.12	.15	.47	.82		.10		1.32		
nup, Dam 30 ..... O		.24					.19	.13				.54	.65			.56			.30					.34							
rd ..... O		.22					.63	.26				.52	.06			.72			.12				T.	.02	.27		.14	.34			
berg, Lock No. 14 ..... K	.17		.22				.66	.04				.25	.19	.03				.23	.45				.46	.14	.77			.23			
ns ..... K			.18					.55				.51	.18						.37			.07		.14	.95			.18			
a ..... B								1.86				.21												1.51	.14	1.07			.27			
hester ..... K	.06	.20	.23				.20	.49				.35	.21						.68					.03	.97			.07			
ville ..... O			.26				.2	.88				.05	.82						.24			.03		.90	1.06		.07	.03			
desboro C		.20					.18	.45			.38	.24	.84			.94			.21			.11	.04	.23	.03		T	1.01			
t Sterling L			.16				1.25				.66	.18	.37						.26				.80	.18	1.52	.50	.05	.32			
nts Dam 35 ..... O		.01	.47				.30	.20				1.30	.45			.08				T.	T.			.7	1.10			.60			
lle ..... B	.38		.18				.48				.15	.37	.53			1.09			.65				T.	T	.18	.05		.40	.32		
nesburg ..... B	.65		.33				T	1.08				.20	.12										T.	1.06	T.	.38		.23	.12		
sound ..... K			.32					.84				.80	.50											.39	.35	.65		.20			
ans, Lock No. 12 ..... K	.50		.34			.27		.36				.76	.13						.37					.30	.75			.45			
mond ..... K	.02						T	.84			.52	.12							.12			.10	.52				T			
w View, Lock No. 9 ..... K		.03				.60	.70	.50		T	.78	.72							.53			.02		.86	.52						
sburg, Dam No. 32 ..... O			.42				.26	.37		.41	1.36	.55							.01					1.34	.70		.25		1.10		
sburg ..... K	.11		.30					.35				.34												.76				1.51			
unsburg C			.50					1.74				.70							.29					.16	.65	.47					
y, Lock No. 13 ..... K		1.25						.70				.73											1.66	.15	1.70	.21					
								.70				1.00							.30					.10					1.10		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

ne 16.—Lightning destroyed a barn near Inderendence with a loss of about $700.

ne 18.—Lightning touched an apartment in Louisville causing damage near $0.

ne 24.—Lightning destroyed a barn near Richmond with a loss estimated at .

Rivers:—In the Ohio stages declined steadily, reaching pool levels in the last week.

Errata for May 1929.—Paducah (near) total precipitation 9.74 inches. Departure from normal +5.57 inches.

Mean precipitation for State 7.37 inches; departure +3.37.

Daily Temperatures for June, 1929.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	89	84	69	78	82	87	87	78	80	80	90	87	83	80	88	90	92	95	93	94	89	95	93	92	82	84	90	90	88	97	..	86.9
	Minimum	61	56	46	48	49	57	61	64	60	56	56	66	62	56	58	65	63	69	66	66	66	61	67	68	66	54	52	72	56	62	..	60.3
	Maximum	87	79	68	77	79	85	82	74	79	86	88	83	78	80	84	87	88	93	91	93	86	90	93	91	89	90	93	91	89	95	..	84.9
Calhoun	Minimum	65	67	46	48	51	58	63	64	58	53	58	64	62	56	60	64	70	66	66	66	65	60	69	68	68	54	58	73	57	65	..	61.3
	Maximum	91	84	69	79	81	87	85	74	80	84	91	86	82	82	85	90	92	94	92	92	87	92	93	91	80	85	90	90	90	95	..	86.4
Darlington	Minimum	66	58	47	44	49	59	62	66	60	51	56	63	62	56	60	66	70	63	71	67	66	64	60	68	68	54	58	73	57	65	..	60.9
	Maximum	87	81	66	76	79	84	83	75	78	85	87	83	81	76	82	87	91	92	89	90	85	90	90	88	79	81	85	88	89	92	..	84.0
Greenville	Minimum	65	55	46	45	49	57	61	64	59	52	56	63	62	56	57	63	69	66	65	64	64	61	65	67	67	55	58	71	57	61	..	59.7
	Maximum	92	82	70	79	83	87	88	76	81	87	92	82	83	81	87	92	94	95	92	95	90	95	95	92	82	84	90	90	88	97	..	86.9
Hopkinsville	Minimum	66	57	46	47	48	58	62	61	58	53	56	63	61	54	56	61	62	69	63	64	63	61	65	65	65	54	58	73	57	65	..	60.3
	Maximum	87	76	64	74	77	82	81	72	75	81	87	80	78	77	81	86	87	90	87	88	82	85	88	86	77	79	85	87	89	92	..	84.9
Lovelaceville	Minimum	68	56	49	50	56	62	66	65	59	68	63	66	63	57	63	69	70	74	70	71	66	65	71	71	68	61	62	72	65	72	..	64.7
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Marion	Minimum	70	55	45	49	54	54	55	63	67	68	56	..	..	87	80	86	80	89	92	92	92	86	89	90	91	82	83	89	89	89	92	..	880.3
	Maximum	92	86	74	77	82	86	85	80	81	85	87	..	..	61	53	60	65	67	70	67	70	68	60	63	69	67	56	69	70	60	69	..	952.0
Mayfield	Minimum	68	66	49	45	52	58	64	63	59	55	61	..	61	53	60	65	67	69	67	69	67	69	69	69	69	61	61	72	60	69	..	87.5
	Maximum	93	83	69	79	83	87	90	78	81	85	91	89	82	84	89	91	94	94	95	94	87	93	93	94	81	84	92	91	90	97	..	90.7
Murray	Minimum	66	63	50	46	49	57	62	63	60	52	55	68	62	52	57	66	61	66	65	65	63	58	66	65	67	54	58	70	59	70	..	69.0
	Maximum	86	78	67	76	77	74	72	71	72	80	85	85	77	73	83	85	85	87	86	86	84	84	86	86	79	85	86	87	89	94	..	81.5
Owensboro	Minimum	63	53	44	46	48	56	60	61	54	49	55	63	56	54	58	66	63	67	64	64	63	60	66	66	64	53	58	71	57	62	..	59.6
	Maximum	91	78	70	79	81	87	84	77	82	86	88	86	82	80	86	90	92	95	92	92	86	90	90	90	88	82	87	89	91	98	..	85.9
Paducah (near)	Minimum	65	58	49	46	53	60	67	65	57	53	62	63	62	57	63	69	72	69	69	70	68	60	63	69	67	56	59	70	60	69	..	62.0
	Maximum	87	77	67	75	78	81	83	75	78	82	87	81	78	79	84	86	86	90	89	89	85	92	92	89	80	85	89	89	91	94	..	83.9
Princeton	Minimum	69	58	48	49	52	60	64	65	60	51	58	65	63	56	59	65	67	69	67	69	65	62	69	69	68	57	60	72	60	65	..	62.0
	Maximum	89	75	70	81	81	86	85	76	79	88	92	86	86	81	88	90	92	94	92	92	89	92	92	94	86	85	89	89	91	94	..	86.6
Russellville	Minimum	67	67	47	45	49	62	62	63	63	52	55	62	62	55	57	63	61	68	64	65	66	63	65	68	58	57	60	67	57	62	..	60.6
Central Division.																																	
Anchorage	Maximum	87	74	67	74	76	81	82	74	77	82	87	81	81	74	82	88	90	90	87	85	90	87	88	78	82	85	86	82	91	..	82.6
	Minimum	57	53	42	46	44	49	57	61	50	51	54	60	60	58	54	62	64	64	61	62	61	59	62	63	58	55	57	64	56	58	..	56.5
Bardstown	Maximum	89	76	68	77	78	85	85	73	74	84	90	86	83	77	84	89	93	92	91	89	92	90	93	92	90	93	79	88	88	85	..	85.3
	Minimum	64	54	44	48	47	58	59	63	66	62	55	67	63	61	55	61	65	66	63	64	67	59	65	64	67	54	54	72	57	67	..	59.8
Bowling Green	Maximum	93	76	76	81	85	89	89	79	82	90	93	87	87	80	86	93	95	92	93	91	94	91	93	94	89	91	91	91	98	..	88.5
	Minimum	65	55	48	46	52	58	61	65	64	55	56	69	68	59	66	63	68	68	63	66	68	64	69	69	69	59	71	60	62	..	61.6
Dix Dam	Maximum	89	84	66	77	76	84	85	83	77	83	86	85	83	77	83	87	90	88	91	94	95	92	96	93	91	94	89	89	88	83	83	87.8
	Minimum	59	55	45	45	48	50	61	65	58	53	55	66	65	61	54	62	60	63	63	64	61	59	66	65	65	56	56	72	57	61	..	59.4
Eubank	Maximum	87	76	67	79	78	84	85	79	78	84	89	84	86	75	84	89	92	94	91	86	89	92	89	92	71	82	84	82	84	89	..	82.3
	Minimum	59	54	54	45	45	49	57	63	59	51	51	65	61	58	50	57	57	61	61	61	62	61	61	66	57	55	57	74	58	59	..	57.4
Frankfort	Maximum	92	89	69	81	84	87	87	82	79	87	92	92	83	81	88	92	96	96	92	95	93	97	94	94	82	84	89	91	92	97	..	88.9
	Minimum	60	52	45	48	48	51	58	64	55	54	55	65	63	62	55	64	61	68	64	65	66	63	65	68	58	57	58	73	57	62	..	58.3
Franklin	Maximum	92	89	69	81	84	87	87	82	79	87	92	92	83	81	88	92	96	96	92	95	93	97	94	94	82	84	89	91	92	97	..	88.9
	Minimum	64	61	45	47	52	60	65	64	63	55	58	62	64	62	58	64	67	69	64	68	67	66	66	68	68	61	63	70	66	67	..	62.3
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greensburg	Maximum	88	80	68	78	80	86	88	78	77	83	89	88	84	77	86	89	92	91	91	93	89	93	91	90	80	81	86	87	86	93	..	85.4
	Minimum	58	58	44	40	43	48	48	62	58	50	50	62	60	57	51	58	56	58	58	62	60	62	62	63	53	53	58	68	58	55	..	56.3
Irvington	Maximum	85	79	66	74	75	80	80	71	76	80	86	81	80	75	83	86	89	89	88	89	89	93	91	90	78	84	86	88	84	92	..	82.5
	Minimum	64	52	45	47	51	54	61	64	56	51	61	66	63	61	60	67	66	71	66	67	67	67	69	69	69	55	58	73	60	64	..	61.3
Junction City	Maximum	88	79	67	77	76	84	86	83	77	82	85	85	86	81	84	87	91	92	90	91	91	94	89	90	78	82	85	87	84	92	..	84.9
	Minimum	57	51	44	41	44	48	50	56	58	53	51	64	63	59	50	58	57	61	60	61	59	64	66	64	60	53	58	73	54	55	..	56.4
Leitchfield	Maximum	89	78	66	76	78	86	84	74	77	83	87	83	80	75	82	87	91	92	90	90	87	92	90	90	80	83	86	88	86	93	..	83.8
	Minimum	63	54	44	46	49	55	61	64	59	53	62	65	60	59	57	65	63	69	65	65	67	62	66	67	65	56	58	70	56	65	..	60.4
Lexington	Maximum	83	65	62	74	73	82	82	71	73	82	86	84	82	73	83	86	88	90	88	89	85	90	88	88	77	83	85	88	84	92	..	82.1
	Minimum	65	47	42	46	50	59	64	61	54	58	64	62	60	58	60	66	68	69	65	65	67	62	68	66	65	51	58	73	57	63	..	60.7
Louisville	Maximum	88	70	64	75	75	82	80	67	76	81	87	78	80	74	83	88	90	88	89	90	87	93	91	91	80	82	86	88	85	97	..	82.8
	Minimum	65	50	44	48	57	57	63	61	53	57	61	64	62	62	60	69	67	71	68	69	67	68	69	68	66	62	64	76	64	66	..	62.2
Do (Cherokee Park)	Maximum	83	80	64	70	73	77	78	72	74	78	84	83	79	79	86	86	87	91	92	91	90	87	87	84	90	85	88	75	80	80	83	80	80.4
	Minimum	61	50	42	45	51	53	58	60	62	53	57	64	62	60	57	64	62	66	67	68	67	69	68	66	67	63	67	68	62	61	61	62	60.7
St. John	Maximum	85	72	66	74	77	81	82	71	76	82	86	81	79	75	83	87	89	92	89	91	90	92	90	90	78	85	88	88	88	84	92	..	82.1
	Minimum	59	49	44	43	49	57	62	57	50	52	63	61	58	54	58	62	66	62	66	65	66	62	68	67	60	55	58	73	57	63	..	62.8
Scott	Maximum	87	72	64	76	76	82	82	71	73	82	87	82	81	74	82	87	89	91	88	89	86	92	89	89	77	84	85	87	85	93	..	83.0
	Minimum	60	47	40	41	49	56	56	60	60	53	58	65	63	60	58	64	66	65	65	66	65	63	66	66	65	51	59	69	54	60	..	58.8
Shelbyville	Maximum	87	72	64	76	76	82	82	71	73	82	87	82	81	74	82	87	89	91	88	89	86	92	89	89	77	84	85	87	85	93	..	83.0
	Minimum	59	47	39	44	47	58	57	60	49	52	53	61	59	58	53	60	60	64	61	61	63	56	63	61	62	53	56	67	55	58	..	56.1
Taylorsville	Maximum	87	78	67	76	75	84	85	72	75	82	87	81	81	75	83	87	90	92	90	91	88	93	91	91	82	84	86	88	86	93	..	82.9
	Minimum	65	51	44	41	46	55	66	65	53	49	52	65	63	61	61	61	61	67	62	62	62	58	65	62	58	51	56	70	58	62	..	58.9
Williamstown	Maximum	84	78	65	74	75	81	82	72	76	80	88	81	82	75	81	86	88	92	91	92	90	93	91	91	81	84	86	87	86	93	..	83.0
	Minimum	63	49	39	42	50	53	62	60	59	54	58	64	61	59	56	63	60	65	64	63	64	56	66	64	64	53	56	63	54	60	..	57.8
Eastern Division.																																	
Ashland	Maximum	89	85	60	68	76	79	84	88	72	80	80	86	80	88	81	85	89	90	92	93	92	91	95	90	92	77	89	86	85	80	..	83.8
	Minimum	60	55	46	44	45	50	56	62	58	53	52	61	63	61	56	59	61	64	70	68	67	66	66	66	66	57	64	57	61	63	..	58.6
Beattyville	Maximum	90	68	70	74	74	80	86	87	70	81	82	88	86	88	80	85	90	93	94	92	91	91	93	92	90	77	82	86	85	83	88	..	84.2
	Minimum	57	54	47	41	45	43	55	60	58	52	59	60	57	53	55	57	59	63	61	63	59	63	67	63	66	56	56	55	58	57	58	..	56.6
Berea	Maximum	86	72	68	77	77	85	85	78	77	81	87	88	85	79	82	88	91	92	91	91	88	94	93	92	86	87	89	90	87	94	90	..	84.1
	Minimum	58	54	44	42	46	52	61	64	58	53	56	64	63	60	54	62	62	66	64	63	64	60	66	66	66	57	64	57	61	58	61	..	58.7
Burton	Maximum	86	72	68	77	77	85	85	78	77	81	87	88	85	79	82	88	91	92	91	91	88	94	93	92	86	87	89	90	87	94	90	..	84.0
	Minimum	58	54	44	42	46	52	61	64	58	53	56	64	63	60	54	62	62	66	64	63	64	60	66	66	66	57	64	57	61	58	61	..	58.7
Farmers	Maximum	84	80	67	77	82	85	73	78	81	86	86	86	83	82	87	..	91	90	89	89	91	88	..	90	76	83	83	91	88	..	..	85.2
	Minimum	54	51	42	37	43	53	59	59	57	47	46	58	59	54	49	52	..	55	60	59	62	62	62	63	59	60	61	63	58	51	55	..	53.4
Maysville	Maximum	84	79	67	74	76	81	84	72	79	83	83	88	86	84	82	85	90	90	90	90	88	90	91	90	81	83	88	85	85	80	89	..	84.9
	Minimum	54	51	43	39	45	48	54	60	62	50	59	63	62	58	53	59	57	63	64	62	64	54	63	64	62	54	58	68	54	55	58	..	56.0
Middlesboro	Maximum	92	84	85	78	82	84	84	81	76	80	84	84	82	80	88	88	92	92	92	93	93	94	94	94	87	78	86	82	87	96	93	..	86.2
	Minimum	64	56	51	42	47	54	55	58	59	56	59	58	53	57	53	53	59	57	63	64	62	64	64	64	64	57	64	57	57	59	57	..	58.3
Mount Sterling	Maximum	86	69	67	75	78	84	84	75	76	80	87	85	85	76	83	88	89	91	89	91	89	85	91	89	91	76	81	86	84	79	89	..	83.0
	Minimum	57	49	41	41	45	50	57	60	53	52	49	62	58	56	51	57	58	61	62	60	62	61	64	64	64	52	56	64	58	57	54	..	55.6
Quicksand	Maximum	88	79	68	68	75	84	84	79	83	87	89	85	81	84	92	95	97	97	96	97	95	95	97	96	92	93	91	90	92	94	92	..	88.3
	Minimum	62	55	48	42	45	49	55	63	60	55	52	58	61	58	57	58	61	62	60	62	62	64	64	64	52	54	57	64	52	64	62	..	57.3
Richmond	Maximum	88	79	68	68	75	84	84	69	78	82	88	86	82	79	82	86	91	93	90	89	88	92	89	88	80	80	83	83	82	89	..	83.8
	Minimum	62	57	45	45	52	62	62	65	57	55	57	64	61	60	57	65	63	67	65	63	67	67	68	69	68	57	60	71	59	60	..	61.0
Williamsburg	Maximum	90	88	71	79	82	87	89	74	80	84	89	91	87	83	87	91	94	95	94	94	94	94	87	89	86	85	88	88	89	92	..	87.1
	Minimum	63	57	51	43	46	54	58	62	54	56	52	64	63	61	54	55	58	62	62	70	65	63	65	65	66	64	68	69	56	56	..	58.9

[a] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
[b] Etc. indicate respectively 1, 2, 3 etc., days missing from record
[c] 6 P. M. Louisville 7 27-29 95+

KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

THE LIBRARY OF THE
AUG 28 1929
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., JULY, 1929 No. 7

GENERAL SUMMARY.

Temperatures were variable, ranging from slightly above to considerably below normal in short periods, but they exhibited no marked extremes. Rather high temperature in the last week had a tendency to intensify local drought conditions, otherwise this weather element was decidedly favorable for all crops and farm activities. Heavy rains in the northeastern counties in the first two weeks interfered with hay harvest and threshing, caused some damage to grain in shock, and delayed cultivation of late corn and tobacco. Weediness increased in corn that had been laid by. The dry weather of the last two weeks permitted advancement of all activities in that district as well as other parts of the State. In the west-central counties the dry weather began early in the month, so that some localities received only light scattered showers in a period ranging from three to four weeks. By the middle of the month soil moisture showed depletion in such dry districts, after which evidence of drought injury soon became apparent in the firing of early corn and retardation of the growth of tobacco. The effect of the drought was most serious in corn that reached the tasseling stage. The month closed with this part of the crop in a critical condition on hillsides and uplands in more than half of the western division, with evidences of extension of drought eastward through the central counties. Oats harvest, also the cutting of clover, timothy and delayed alfalfa proceeded during the dry spell under highly favorable conditions for curing. In the eastern counties precipitation was fairly heavy and sufficient in most districts, resulting in satisfactory progress of the staple crops. Early tobacco advanced to the topping stage. There was much complaint of rust on tobacco in this region during the wet weather of the first two weeks, but the dry weather of the last half checked the disease. Drought delayed the growth of late tobacco in the central and western counties and made cultivation difficult. Pastures remained good in the eastern counties but deteriorated from lack of moisture toward the end in many western districts. Gardens, truck, and field tomatoes also began to suffer in such localities. It was too dry for late potatoes in most central and western sections.

TEMPERATURE.

The records of 41 stations gave an average for the State of 73.7°, which is practically normal. Except for a few rather cool days in the first and third weeks, no special variations from normal temperatures occurred. The frequency of maxima of 90° or higher was less than usual in this month. Extremes for the State were 101° at Hopkinsville on the 28th, and 46° at Farmers on the 3d.

PRECIPITATION.

The average of the rainfall reports from 82 stations was 3.97 inches, which is slightly less than normal. Moderate to heavy rains occurred in the central and eastern counties on the 1st-2d. Local showers, mostly light, occurred daily in the period 5-10th, after which only scattered showers were reported from the central and western counties. In the eastern districts light to moderate showers were fairly general on the 19th and local showers from the 26th to 31st. Areal distribution was decidedly irregular, but the eastern half of the State received considerably more rain than the western. In limited districts immediately west of the lower Kentucky, in the northern counties and in the southeast mountain counties amounts ranged from 5.0 to 7.0 inches, 1.6 to 3.5 inches occurred in most of the western half of the State. The driest area was the district between the Green and Ohio, where 2nd-15th were generally less than 1 to 2.0 inches. For the State precipitation ranged between 0.95 inch at Dana No. 1 and

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement	Av. hourly velocity	Max. Velocity.* Mile per hour	Direction.	Date.
Cairo ..... Ill.	30.03	30.23	12	29.82	31	4233	5.8	39	sw.	7
Cincinnati ..... Ohio	30.06	30.28	11	29.79	18	3649	4.9	23	sw.	11
Evansville ..... Ind.	30.06	30.28	12	29.82	18	4784	6.4	27	sw.	9
Lexington ..... Ky.	30.08	30.30	12	29.80	18	7048	9.5	32	nw.	1
Louisville ..... Ky.	30.08	30.27	12	29.78	18	5027	7.6	48	nw.	1

*For any five minute period. †By 2 cup anemometer [illegible] January, 1928.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours Possible.	Percentage of possible.	Number of days with 20 per cent or more.	20 per cent or less.
Cairo ..... Ill.	81	61	64	356.8	447.1	80	18	0
Cincinnati ..... Ohio	86	58	63	328.2	452.3	73	11	1
Evansville ..... Ind.	79	57	60	349.3	449.8	66	12	1
Lexington ..... Ky.	80	60	..	284.8	455.4	63	13	3
Louisville ..... Ky.	79	58	58	340.0	453.8	76	14	0

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Monthly average.	Departure from 40-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 40-year normal.	Average Number of Days. No. of days with .01 in. or more fell.	Clear.	Partly Cloudy.	Cloudy.	Average snow fall.
1889	75.1	− 1.7	98	50	5.62	+1.48	..	..	..	..	..
1890	74.0	− 3.8	101	44	2.66	−1.48	..	..	..	..	..
1891	73.0	− 2.8	91	47	4.08	−0.06	..	..	..	..	..
1892	76.5	− 0.3	100	48	3.30	−0.84	..	..	..	..	..
1893	78.8	+ 2.0	101	53	3.48	−0.66	..	..	..	..	..
1894	76.2	− 0.6	105	43	2.03	−2.11	..	..	..	..	..
1895	76.2	− 1.6	99	49	5.75	+1.61	9	10	13	9	..
1896	77.4	+ 0.6	103	47	7.44	+3.30	11	11	12	8	0
1897	77.8	+ 1.0	107	50	4.79	+0.65	10	14	11	6	0
1898	77.3	+ 1.0	102	48	4.71	+0.57	11	13	13	5	0
1899	77.3	+ 0.5	109	47	3.76	−0.06	9	15	10	7	0
1900	77.9	+ 1.1	101	50	4.91	+0.77	11	17	11	3	0
1901	77.7	+ 4.9	112	48	1.72	−2.42	5	21	7	3	0
1902	75.1	+ 1.3	107	48	1.91	−2.23	6	19	9	3	0
1903	77.5	+ 0.7	104	49	3.53	−0.61	8	17	9	5	0
1904	75.2	− 1.6	99	46	3.40	−0.74	10	16	9	6	0
1905	76.0	− 0.9	102	52	5.93	+1.79	13	14	9	8	0
1906	75.2	− 1.6	100	51	6.02	+1.88	11	14	9	8	0
1907	76.1	+ 1.3	102	49	4.71	+0.57	9	18	8	5	0
1908	76.9	+ 0.1	100	50	3.94	−0.20	10	16	8	7	0
1909	74.8	− 2.0	99	48	6.01	+1.87	11	14	9	8	0
1910	76.2	− 0.6	96	51	8.63	+4.49	16	10	9	12	0
1911	75.8	− 1.0	105	42	2.28	−1.86	7	16	8	6	0
1912	76.8	0.0	100	53	5.56	+1.36	12	13	10	8	0
1913	76.9	+ 0.1	105	48	2.54	−1.60	7	17	9	5	0
1914	78.8	+ 2.0	109	43	3.20	−0.94	6	17	9	5	0
1915	75.7	− 1.1	102	49	5.30	+1.16	11	14	11	6	0
1916	78.6	+ 1.8	102	52	4.17	+0.03	9	17	9	5	0
1917	76.3	− 1.5	100	50	4.38	+0.24	13	12	10	9	0
1918	78.8	+ 2.0	103	46	3.28	−0.86	8	15	9	7	0
1919	79.5	+ 2.7	104	50	2.10	−2.04	5	16	9	6	0
1920	75.2	− 1.6	99	44	3.83	−0.31	9	16	9	6	0
1921	73.1	− 4.2	105	52	2.85	−1.29	7	17	10	4	0
1922	76.4	− 0.4	102	47	4.77	+0.63	9	17	9	5	0
1923	76.8	0.0	99	44	3.56	−0.61	8	17	9	5	0
1924	75.7	− 1.1	99	45	3.63	−0.51	7	17	9	5	0
1925	73.7	− 3.1	105	47	3.93	−0.21	9	15	10	6	0
1926	77.0	+ 0.5	107	48	3.76	−0.38	9	16	9	6	0
1927	75.7	− 1.1	101	46	3.51	−0.63	9	17	9	5	0
1928	77.4	− 0.2	106	51	4.97	+0.83	9	15	10	6	0
1929	76.7	− 0.9	101	46	3.97	−0.17	8	15	10	6	0

Climatological Data for July, 1929.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																					
Beaver Dam	Ohio	441	25	79.6	+ 1.8	99	28	52	3	34	1.78	−2.20	1.58	0	4	23	3	5	s.	Mrs. Lena F. Taylor.
Madison	McLean	437	25	79.1	+ 1.1	99	25	54	3†	33	2.17	−2.05	0.56	0	8	7	24	0	sw.	W. A. Taylor.
Earlington	Hopkins	420	39	80.1	+ 1.6	99	28	54	3	32	3.92	+0.16	1.86	0	6	21	10	0	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	366									3.31		1.88	0	6					P. H. McGinnis.
Greenville	Muhlenburg	519	12	78.1	+ 1.0	96a	28†	53a	3	84a	3.41	+0.27	1.35	0	8	20a	10a	0a	s.	C. R. Lovell.
Hopkinsville	Christian	524	33	79.4	+ 0.6	101	28	56	8†	34	1.94	−1.99	0.43	0	10	10	8	13	se.	W. E. Graves.
Lovelaceville	Ballard			78.7		95	28	59	20	25	1.85		0.58	0	11	10	21	0	sw.	B. Salles.
Marion	Crittenden	571	31																	B. C. Paris.
Mayfield	Graves	364	20	79.7	+ 1.8	100	29	54	20	31	2.76	−1.12	0.87	0	7	16	15	0	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	3	79.2		100	29	55	3	34	2.70		1.41	0	4	7	20	4	s.	Harry B. Arnold
Owensboro	Daviess	479	32	77.4	− 0.3	97	28	54	20	34	1.27	−2.10	0.52	0	6	17	7	7	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	1								6.95		0.46	0	8					George McClemary.
Paducah (near)	McCracken	616	12	78.8	− 1.2	97	27†	57	20	30	3.95	+1.05	1.36	0	6	18	8	5	sw.	J. W. Lilley
Paducah	McCracken	351	40								5.48	+1.61	1.50	0	7					Frank L. Brown.
Princeton	Caldwell	629	22	75.5	+ 0.4	95	1†	57	8†	28	3.09	−0.76	1.54	0	8	3	23	5	n.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	384	12								1.36	−0.46	0.97	0	6					Thos. L. Wetzell.
Russellville	Logan	590	16	79.1	+ 1.4	98	29	55	20	33	4.17	−0.40	1.53	0	7	18a	7a	5a	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	1								1.57		0.58	0	9					R. R. Sale.
Central Division.																					
Addison, Dam 45	Breckinridge	352	1								1.97		0.67	0	8					C. L. Moore.
Ammerage	Jefferson	700	28	74.9	− 1.1	94	28	48	3	32	4.33	−0.11	2.40	0	6	19b	10b	0b	sw.	C. E. Barret.
Bardstown	Nelson	657	32	76.6	− 4.1	95	28	49	3	35	4.86	+0.89	1.50	0	8	24	4	3	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	563	40	79.9	+ 1.2	99	25†	53	21	38	2.16	−2.17	0.76	0	4	13	16	2	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	459	4								2.51		1.27	0	4					Jas. R. Hines.
Brownsville, Lock 6‡	Edmonson	410	12								1.84	+1.26	0.98	0	4					Virgil M. Whalin.
Burnside	Pulaski	773	38								4.76	−0.18	2.06	0	9					T. A. Lewis
Carrollton, Lock 1	Carroll	422	30								4.90	+1.56	0.86	0	9					Shelby Angel.
Cold Spring, Dam 36	Campbell	489	3								4.51		0.97	0	13					Bert Ross.
Dix Dam, Burgin	Mercer	770	5	76.8		95	28	50	3	32	2.99		1.28	0	7	16	14	1	s.	G. D. Glass.
Eubank	Pulaski	1177	35	75.6	+ 0.7	96	28	52	8†	33	3.42	−0.92	1.22	0	8	10	13	8	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	87	76.8	− 0.1	94	28	51	2	32	5.27	+1.21	1.28	0	8	18	5	8	s.	Sidney Wood.
Franklin	Simpson	691	34																	M. E. Johnson.
Gest, Lock 3	Henry	449	18								4.94	+0.92	1.50	0	9					Albert Purvis.
Grant, Dam 38	Boone	780	8								3.47		0.85	0	11					W. T. Dugan.
Greenburg	Green	591	36	74.0	− 2.6	100	29	49	3	39	2.23	−2.02	1.00	0	7	4	2	25	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	27								1.96	−2.35	0.77	0	6					Miss Lulu Wood.
Irvington	Breckinridge	646	31	77.6	+ 0.3	93	28	53	3	29	3.01	−0.20	0.85	0	6	17	9	5	sw.	W. J. Piggott.
Junction City	Boyle	985	35	75.8	+ 1.4	96	28‡	47	3	38	3.97	−0.38	2.91	0	14	13	11	2	s.	Caroline Grubbs.
Lancaster	Garrard	1032	3								2.49		0.82	0	9					L. J. Vanbook.
Leitchfield	Grayson	625	33	77.9	+ 1.2	97	28†	51	3	31	2.23	−1.72	1.50	0	6	14	16	1	sw.	H. H. Willis.
Lexington	Fayette	969	45	75.0	− 0.9	92	28	52	20	26	4.12	+0.47	1.22	0	11	18	8	4	sw.	U. S. Weather Bureau.
Littlefickman, Lock 8‡	Jessamine	928	18								2.94	−1.22	0.75	0	9					Horace Canter.
Logsport, Lock 2	Henry	476	19								3.18	−0.84	1.20	0	7					Andrew J. Keenan.
Louisville	Jefferson	525	66	77.8	− 0.8	95	28	55	20	29	1.09	−2.61	0.76	0	7	11	13	7	sw.	U. S. Weather Bureau.
Do (Cherokee Park)	Do.	534	19	75.4	− 0.5	91	28	52	8†	34	1.38	−3.24	0.72	0	5	14	15	2	sw.	Wm. I. Hunt.
Marksbranch	Hart	600	4								3.11		1.35	0	5					A. G. Hubbard.
St. John	Hardin	777	33	77.2	+ 1.2	93	2a	50	20	35	1.59	−1.90	1.01	0	5	28	3	0		Sisters of Loretto.
Shirley, Lock 6‡	Mercer	490	15								5.78	+1.37	2.10	0	8					Ernest M. Searcy.
Scott ¶	Kenton	960	31	73.0	− 2.9	91	28	48	3	29	4.97	+1.35	6.00	0	11	12	14	5	sw.	E. B. Wilson.
Shepherdsville	Shelby	525	40	74.4	− 0.1	94	27†	48	3†	36	5.80	+1.70	2.46	0	9	15	1	15	s.	Miss Ruth Ratts.
Taylorsville	Spencer	489	27	75.7	− 0.4	92	28	51	20	30	2.96	−1.41	1.18	0	8	17	8	6	s.	S. D. Bourne.
Tyrone, Lock 5‡	Anderson	526	11								3.76	−0.78	1.80	0	6					H. K. Vaughn.
Williamstown	Grant	843	26	74.6	− 1.1	94	28†	49	20	33	3.19	−0.49	0.65	0	8	23	5	3	e.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	533	12								0.09	−2.17	0.43	0	6					H. J. Lewis.
Eastern Division.																					
Ashland	Boyd	544	12	74.8	− 1.3	94	23†	49	3	32	5.55	+1.50	0.97	0	11	18	0	13	s.	Curtis Purvis.
Beattyville	Lee	650	25	75.1	− 0.8	95	28	50	3†	35	3.92	−0.83	0.98	0	13	3	20	8	w.	Robert S. Smallwood.
Berea	Madison	1079	27	76.5	+ 0.4	93	28‡	51	3†	32	5.59	+1.37	1.44	0	10	21	2	8	w.	Chas. C. Graham.
College Hill, Lock 11	Madison	601	19								6.71	−2.87	1.50	0	13					Kelly Walden
Cynthiana	Harrison	654	11								3.23	+0.72	0.95	0	9					P. H. Kehoe.
Dawson	Pike			73.6		91	29	49	21	31	5.76		1.16	0	18	17	11	3		James Sowards.
Dellmouth	Pendleton	600	40								3.71	+0.06	0.96	0	13					J. V. Oldham.
Farmers	Rowan	668	21	72.4	− 2.3	91	28‡	46a	3	39a	9.86	+5.26	3.32	0	10	18a	7a	5a	e.	Mrs. R. P. Stamper.
Flemingsburg	Fleming	841	4								3.84		1.22	0	11					C. A. Glascock
Ford, Lock 10‡	Clark	580	13								4.45	+0.15	1.37	0	11					John A. Walters.
Grahn	Carter	579	4								5.32		1.90	0	9					Col. Frank Powers.
Greenup, Dam 30	Greenup	540	9								3.55	−0.80	1.40	0	11					T. Mitchell.
Harlan	Harlan	1197	1	76.2		95	28	54	4†	31	6.09		1.70	0	16	8	13	10	ne.	W. W. Duffield.
Hazard	Perry	869	5								5.68		1.22	0	11					Chas. G. Ilirg.
Heidelberg, Lock 14	Lee	664	12								6.93	+0.78	1.87	0	11					S. C. Cole.
Jenkins	Letcher	1566	4								7.23		1.50	0	11					R. R Davidson.
Louisa	Lawrence	584	25								5.87	+2.58	2.50		8					Russian Copley.
Manchester	Clay										5.68		0.84	0	14					J. L. Manning.
Maysville	Mason	624	32	79.0	− 1.8	95	28	48	3	33	5.23	−0.55	2.28	0	12	11	10	10	s.	Perry E. Bennett
Middlesboro	Bell	1128	33	76.4	+ 1.6	98a	8†	52a	4	41a	4.24	−1.18	1.14	0	13	18	11	2	s.	Matthew Woodson.
Mount Sterling	Montgomery	930	39	74.4	− 1.4	95	28	48	3	39	6.65	+0.99	1.50	0	10					W. R. McKee.
Oneonta, Dam 35	Campbell	497	3								5.42		1.41	0	14					Andrew M. Stanforth.
Pikeville	Pike	686	23								3.76	−0.56	0.68	0	11					Robert Repass.
Prestonsburg	Floyd	649	4								3.78		0.96	0	11					P. C. Hall.
Quicksand	Breathitt	782	4	75.2		99	8	51	20†	36	5.75		0.95	0	11					R. W. Jones.
Ravenna, Lock 12	Estill	651	11								3.69	−1.17	1.25	0	9					Walter P. Bush.
Richmond	Madison	695	38	77.0	+ 0.3	94	27	53	3	30	3.80	−1.55	1.45	0	10	25	3	3		J. W. Crooke.
Rising View, Lock 9	Madison	541	16								3.12	−1.09	1.20	0	7					Thos. Sullivan.
Sandy Hook, Dam 32	Lewis	625	14								5.38	+0.64	2.49	0	12					H. M. Dennis.
Wallingford	Lewis	1132	4								7.49		1.20	0	11					C. H. Zimmerman.
Williamsburg	Whitley	969	32	77.4	+ 0.7	98	29†	46	21	42	3.93	−1.31	0.49	0	10	24	7	0		Lawrence R. Uhl.
Wolf Creek, Lock 13	Lee	691	10								2.80	−2.15	0.58	0	6					Jessie Hicks.
State averages and ex				76.7	− 0.1	101	28	46	3	42	3.95	−0.17	0.89	0	9	15	10	6	sw.	

All temperatures here are taken from standard thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

† Also on other dates. †† Received too late to be included in means and summaries. ‡ Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

¶ Post-office addresses:—Lock 6, Lawrenceburg, Ky.; Lock 8, Versailles, Ky.; Lock 4, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

near Owensboro and 9.86 inches at Farmers. Thunderstorms occurred almost daily from the 1st to 14th, and also on the 18th, 25th, 26th, 29th and 31st.

MISCELLANEOUS.

July 9.—A heavy rain flooded basements and lightning caused minor damage at Lexington. Wind blew down trees and damaged crops in Fayette County.

July 19.—Near Lexington lightning burned a barn and shocked into unconsciousness a girl sitting at a window of the farm residence about 75 yards away.

Rivers.—Rains in the upper basin kept the Ohio at moderate stages until about the middle of the month, after which it declined to pool stages. The other rivers of the state were generally low.

Daily Precipitation for July, 1929.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
[illegible]	G		1.68										.05		.10																	
Arlington	G	.17					T.			.10	.01	T.	.86	T.	.60	.01											.05					1.35
Ards Ferry, Dam 50	G		.60							.20	1.80				.19	.42										.33				.30	2.17
Beaverville	G		.41				T.	.08		.20			T.		1.88	.05														.12	2.67
Hopkinsville	C		.24	.26		.02			.12	.07	.05	T.		1.35								T.			T.					.40	2.31
Owensboro	M	.10	.08			.07	.11		.09	.46	.11	.03	.02		.18	.19														.40	2.61
Paducah	O									.05	.01			.01	.14	T.													.04	.40	1.04
Sayred	M	.07									T.			1.70	.10								.11						T.	.50	1.98
Murray	T.	T.				.20				.30				.02	.15								.87							.80	
Owensboro	O		.52		T.	.11	T.				T.		T.	.74	T.	T.	.44								T.					.50	2.76
Owensboro, Dam 46	O		.46		T.	T.	.05		T.	.25	T.	T.		.30														1.41		2.89
Paducah (near)	O	1.30	.60			T.	.02		.06	.14	T.		.15		.03												.13			.02	2.27
Pikeville	O		1.03	.26		.10				.40				.80													.01			.01	0.80
Princeton	G	.36	.60			T.	.11		T.	T.	T.		T.	.09	1.82	T.														.75	5.59
Ramsey, Lock No. 2	G		.15			.01		.50	T.		.01		.45	.18								T.	T.		1.50				T.	1.20	5.48
Russellville	G		.62	.11						.07			.57	.68														T.		1.54	3.60
Shelbyntown, Dam 49	O		.07				.24	.09		.05		.06	.02		.38	.88		1.33									.10				.62	3.90
Central Division																															1.14	4.17
Madison, Dam 45	O	.19	.19			.67	T.	.18		.09	.04	T.	T.	.26	.38																.25	1.67
Anchorage	O	.31			2.40														T.													
Bardstown	S		1.05			1.25	.18		.05	.15	.20			1.80	.12												42	.02				1.97
Bowling Green	G		1.36	.36							.20																					4.33
Bowling Green, No. 2	G		1.27								.21	T.																				4.59
Brownsville, Lock No. 6	C									T.	.18			.61																		2.16
Buechel	C	.04	1.00	.20			.05			.24		.02	2.06					12										T.		.23		2.51
Burkesville (Lock No. 1)	K	.48	.83			.83	.22		.85		.65		.18						1.10			T.										4.76
Calvert, Dam 36	O	.81	.19			.75	.99	.37	.03	.97	T.	T.	.50	.03	.08				.51													4.90
Calvert, Dam, Bargen	K	.51				1.28	.12			.29		.13	.50	.07					.12											.01		4.91
Carrollton	K		.66			.68	.60							.84	.03	.08																2.90
Carrollton	K	1.15	.88			T.	1.28		.06	.03	.58		.05	T.	1.27				1.22												.14	3.82
Cave, Lock No. 3	K																										T.					5.27
Centermunt, Dam 38	O	.56	1.50			1.10	.26		.11	T.	.45	T.	.18	.23	.14																	
Centersburg	O	.85	.15			.64	.20	.10	.07	.30	.08		.75	.18																		4.74
Central Bridge, Lock No. 7	K	.77	.47				.03			.02								22				T.				.22			1.06		3.47
Covington	O	.38				.45	T.	.32		.14		.14		.12																		2.23
Creation City	K	.91	.04			.80	.20			.12		.53	.28	.32		.01			.32		.01					.66		.26	.61			3.01
Crestwood	K	.21	.40			T.	.55					.13	.06	.06					.82							.05			.12			2.57
Covington	K	.54				1.22	T.			T.	1.50		T.					22							.21				T.		2.49
Dale Hickman, Lock No. 8	K	.61	.30				.76	.31		.83	.11	.09	.04	.05					.77			T.				.09		.07		.21		2.23
Dixport, Lock No. 2	K	1.20			1.20	.16			.05	.07	T.	.13	.11	.20	.26	T.				.11			T.								4.12
Eagleville	S	.27				.67	.09			.02	T.	.02	.01		.40																	2.94
Edmonton (Parker)	C	.24				.72	.17				.23	.03								T.												3.18
Elizabethtown	S		.96							.09										T.								.01				1.99
Elkton	S	.53				.01	T.				1.01			1.35													T.					1.89
Elsas, Lock No 6	K	1.10	.65			2.10			T.	.20	.10	.20	.60	T.												.56			.15		3.11
Erlanger	K	.75				.90	.40	.38	.62	.58	.01	.36	.35	.57	.78											.01	.06					1.59
Fayetteville	S	1.68	.70			2.40	.02			.45	.05	.11	.30	.12					.11				T.			T.	T.					6.78
Fleming	K	1.68				.84	.26		.24	.56	T.	.01		.04																		4.97
Frankfort	K	.80				T.			.40	.12		.42	.22	.70				.23														5.89
Glasgow	S	.56	.30				.65			.08	.20		.61	.85	.32																	2.86
Glasgow, Lock No. 4	S		.48							.14					.11	.12																3.76
Eastern Division																																3.19
Grayland	O	.82	.93				.15				.46			.85												.03	.97	.20		.66		0.99
Grayville	K	.95	.62				.33	.01			.09		.07	.17	.36				.89		.03	T.				T.	.18	.34		.42		5.55
Greasy Hill, Lock No. 11	K	1.50	.55			1.38	.38			.28			1.44						.70		.05											3.92
Greenup	K	.95	.78			.25	.70	.10			.62		.10	.72	.84				.70										.25	.10		5.96
Hanson	K	1.16	.68				.16		.04		.88		.18	.22					.70							.05			.45			6.71
Harrodsburg	K	.67	.17			.48	.73	.02			.70	.05	.10		.18	.58			.21					T.		.23						3.53
Harrodsburg	K	1.46	.52			.45	.14		.06	.02	.20		.14	.04	.96				.16				.80	.05	.22	.18		.01	.03	.07	5.75
Hawesville, Lock No. 10	K	1.32	1.12				.24		.28		.10		.10						.38							3.39			.66			3.71
Hickman	S	1.37	.76					.81	.12			.65	.12	.18	.09	.10				.20				.03	.02	.05						5.86
Hickman, Dam 30	O	2.21	.99					.32	.13		.11			.43					.41													3.81
Hillman	O	1.40	.20							.11	.15	.06	.14			T.			.06							T.			.50			4.86
Hillman	K	1.70	.60							.01	.24		.28	T.	.08		.02		.18							.67			.54			5.32
Hollenberg, Lock No. 14	K	1.24	.57			.06	.51				.19		.09		.10				.65		.07		T.		.27	.19		.40	.04	.04		6.09
Hopkins	S		.63			.04	.62						.03	.04	.04				1.19		.08					.96			.31			5.68
Isaac	K	.85	.82		.50	.90	1.80				1.35	.17	1.50	.38			.38		.88		.04					.07	.87		1.80			5.21
Jamestown	S	.60	.72								.44	.25	2.50	.09	.77											.45		.07		.03		7.23
Jellico	K	2.98	.59			.02	.71	.21			.17		.08	.51	.03	.47			.24		.02						.17					5.83
Jesboro	S		.40				.88	T.	.06	.16	.12	.08		.23	.42				.14								.84			.34		5.08
Junt Sterling	L	1.56	.45		.18	.35	.12						.25		.15				.16		.15					.03	.56		T.	T.		5.75
Junction Dam 35	O	1.41	.18			.09	.40			T.	T.		.25	.20	1.29				.62			T.				.22		.04	1.13	.07		4.24
Kellie	K	.62	.64			.98	.39	.21	.17	.40	.12		.52	.06	.61	.04			.80							.05			.80			6.05
Kensburg	K	.59	.34				.46	.12			.53		.28	T.	T.	.68			.18			T.				.10				T.		5.43
Kesmel	S	.95	.76				.14				.18		.10			.42			.96		.09						.16	.18		.22		3.76
Kinns, Lock No. 12	K	1.28	.42				.28	.10			.21		.20	.65					.18							.21	.29		.21			5.73
Kinmond	K	1.47	.55		T.	.26	T.				.34			.18	.15	.15			.63		T.					.76	.87		.77			5.75
Lady View, Lock No. 6	K	.49			.01	.49			T.	T.			.12	.80					.02									T.	.12			3.69
Lansburg, Dam No. 32	O	2.49	.30			.62	.32			.62	.23	.28	.08		.04				.25						.15		.30		.35			5.59
Lansburgh	S	.15	.74			.71	.07			.62	1.30	.28	.40	.75	1.01				.75							.56			.18			5.12
Lansburg	K		.92	.06	.20							.40	.20	.50					.10		.03					.14			.48			5.89
Lew, Lock No. 13	K			.30			.50							.56	.30					.46										.35		5.45
																																2.40

Except as otherwise indicated observations are for daily period ending in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Record incomplete. Weather Bureau station precipitation is for the calendar month, midnight to midnight.

( ) Precipitation measured on the morning observation included in the preceding month.

Dates in separate dates of falls not recorded. T. Trace, or less than 0.01 inch. ... Precipitation included in the next following measurement.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (M) Mississippi; (O) Ohio.

¶ Lone Oak.

Daily Temperatures for July, 1929.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Dewey Dam	Maximum	94	85	83	96	96	91	94	96	96	94	92	93	95	91	87	92	94	97	85	85	93	92	95	95	97	96	97	99	97	97	89	92.7
	Minimum	70	67	52	59	70	70	73	68	71	68	69	70	66	72	67	65	67	69	66	64	61	61	61	63	69	69	71	72	69	67	66	66.5
Gilbertsville	Maximum	91	89	83	91	88	88	92	93	96	89	91	93	93	90	87	90	93	96	83	90	92	93	89	91	92	92	99	95	95	96	91	90.5
	Minimum	74	71	65	68	72	70	75	69	71	67	69	71	67	71	69	65	68	70	68	64	65	64	65	65	68	70	73	74	69	68	67	69.7
Calhoun	Maximum	95	90	85	91	88	89	93	96	96	92	91	92	94	88	86	90	94	94	90	85	91	92	93	92	94	93	95	99	95	96	92	91.9
	Minimum	74	71	65	68	72	70	75	69	71	67	69	71	67	71	69	65	68	70	68	64	65	64	65	65	68	70	73	74	69	68	67	69.8
Parkington	Maximum	98	72	84	59	72	72	75	69	72	68	68	70	67	71	67	69	70	68	56	68	64	65	65	68	70	73	74	69	68	67	68	90.0
	Minimum	92	81	87	87		86	89	92	91	90	91	90	91	88	88	90	92	98	84	84	90	96	92	90	92	91	98	96	96	95	98	96.2
Beattyville	Maximum	73	70	68	87		68	71	67	68	65	66	69	66	69	66	64	68	68	67	64	67	68	62	61	65	69	69	72	72	70	66	66.2
	Minimum	74	69	65	66	67	65	70	65	68	66	65	66	69	65	64	68	68	67	64	64	67	68	62	64	68	68	69	70	68	69	69	67.4
Owensboro	Maximum	94	86	85	86	86	88	91	93	93	88	87	88	91	86	86	90	88	91	92	88	85	84	89	85	92	94	92	97	97	97	92	89.5
	Minimum	74	66	65	66	68	68	71	69	70	66	65	62	66	66	64	66	68	68	66	64	61	62	59	63	63	66	68	69	70	67	66	66.2
Paducah (Wear)	Maximum	92	80	87	91	90	87	90	92	95	86	82	86	86	90	88	91	92	88	85	84	89	85	92	94	92	97	97	97	97	97	92	89.5
	Minimum	67	70	68	74	71	70	73	76	71	67	69	73	68	74	69	66	72	70	66	67	63	66	64	62	68	71	73	73	75	73	71	69.7
Princeton	Maximum	95	87	87	88	87	89	93	92	95	86	89	91	86	89	91	86	89	96	84	82	87	86	84	84	91	90	92	95	94	94	88	88.5
	Minimum	75	72	67	61	70	70	73	68	70	67	69	71	67	72	69	67	72	69	67	65	66	66	64	64	66	71	72	73	75	73	71	68.5
Hopkinsville	Maximum	95	78	84	92	91	91	93	97	94	91	93	92	92	89	89	93	94	92	83	87	90	89	92	94	94	91	91	97	96	98	89	91.3
	Minimum	68	69	66	69	70	69	72	76	68	66	68	67	70	68	67	70	69	67	68	67	70	69	67	64	64	63	66	71	70	71	78	72	70	66.9
Central Division																																	
Anchorage	Maximum	88	77	80	88	83	85	87	85	87	86	87	87	85	89	87	78	86	89	89	76	80	87	87	88	89	89	91	91	94	87	91	92	86.6
	Minimum	67	54	48	57	64	66	72	68	67	67	67	67	67	69	69	62	60	63	62	65	49	59	56	58	62	67	66	65	67	68	59	68	63.2
Bardstown	Maximum	86	78	80	89	85	87	90	92	94	88	88	89	89	89	89	79	89	91	92	83	88	86	90	91	92	94	96	98	96	98	93	88	88.4
	Minimum	66	67	49	54	71	68	71	67	69	67	69	69	69	72	67	67	64	64	64	61	57	54	58	63	68	69	68	68	69	68	68	73	65.6
Bowling Green	Maximum	88	77	82	88	88	90	93	97	98	90	90	95	93	91	89	93	94	98	92	90	91	89	95	96	98	98	98	98	96	96	97	88	92.6
	Minimum	75	69	55	59	65	69	72	69	72	68	67	71	68	69	67	68	68	70	70	67	66	53	52	61	64	67	71	70	72	70	67	72	67.2
Dix Dam	Maximum	88	77	82	88	89	90	91	93	93	88	88	88	87	90	88	86	88	91	92	84	81	87	84	89	91	90	91	93	95	93	94	89	88.4
	Minimum	67	61	50	56	65	69	74	71	69	66	68	70	68	71	64	63	64	63	65	54	57	58	60	61	66	70	69	71	74	69	70	68	65.1
Eubank	Maximum	87	78	84	85	84	87	89	91	92	90	92	86	88	86	82	89	93	93	79	86	86	80	88	88	88	88	92	96	98	93	93	88	87.7
	Minimum	65	66	50	58	68	69	69	68	67	64	65	69	66	71	59	60	61	64	61	58	57	52	57	60	61	66	70	71	73	68	68	65	63.6
Frankfort	Maximum	91	77	70	83	88	89	92	91	92	85	88	86	89	87	84	85	89	92	89	87	88	85	87	90	92	94	92	97	96	98	97	92	92.7
	Minimum	67	70	51	57	66	66	71	71	69	66	70	70	70	70	65	71	63	63	65	64	49	55	53	60	63	66	68	69	70	68	68	73	66.8
Franklin	Maximum	96	82	87	88	93	92	96	98	97	93	94	96	94	91	92	93	94	89	87	93	89	92	94	93	95	95	91	98	100	94	96	96	87.6
	Minimum	71	70	56	61	67	70	74	71	69	69	68	71	68	74	68	68	71	73	68	67	66	67	66	65	65	67	70	72	73	74	75	74	69.8
Greensburg	Maximum	91	80	82	90	90	91	93	95	97	88	93	95	93	94	87	89	91	92	91	85	85	92	94	93	95	95	91	98	100	94	96	96	90.3
	Minimum	66	65	49	51	66	66	65	70	63	65	68	64	64	64	63	60	58	63	64	61	51	56	56	54	59	61	66	65	67	70	67	67	63.7
Irvington	Maximum	90	78	79	88	86	86	89	91	88	84	88	86	90	88	81	86	88	91	85	80	87	87	89	90	91	90	90	91	93	98	99	91	87.4
	Minimum	72	69	53	59	69	70	75	72	74	70	70	70	70	73	66	66	66	66	66	64	59	58	55	62	64	67	68	69	70	71	73	74	67.7
Junction City	Maximum	90	80	82	89	91	87	91	93	91	88	90	90	87	90	90	83	89	92	94	84	82	90	91	93	95	96	96	97	96	98	97	94	87.6
	Minimum	68	68	47	51	64	68	70	70	70	64	65	67	65	70	60	60	60	61	61	50	53	60	55	61	65	66	65	67	70	67	67	70	63.8
Lancaster	Maximum	91	80	82	88	87	87	91	92	93	90	87	89	92	89	89	89	91	93	92	84	89	89	92	94	93	95	95	97	98	99	97	94	89.5
	Minimum	68	68	49	54	66	66	70	68	72	68	69	69	69	72	67	65	67	70	66	64	65	63	63	66	66	71	72	74	75	76	78	75	68.8
Leitchfield	Maximum	91	80	82	88	87	87	91	92	93	90	87	89	92	89	89	89	91	93	92	84	89	89	92	94	93	95	95	97	98	99	97	94	89.5
	Minimum	71	69	51	57	70	68	72	68	72	68	68	70	68	73	67	67	68	70	68	67	66	67	66	65	66	67	70	72	74	76	78	74	69.8
Lebanon	Maximum	85	75	78	85	86	84	89	88	88	88	87	88	89	88	86	86	92	92	89	85	89	92	92	94	95	96	96	98	99	99	97	94	89.5
	Minimum	63	68	50	61	69	70	71	69	67	67	68	69	68	66	66	67	66	68	68	67	66	67	66	67	68	69	70	71	72	74	76	73	68.4
Leitchfield	Maximum	88	78	80	86	86	86	89	91	89	86	87	86	91	89	86	88	92	93	92	88	86	86	90	90	91	91	91	93	95	96	97	95	89.5
	Minimum	64	62	57	60	67	70	71	72	73	72	70	71	73	72	67	65	67	70	68	68	66	67	66	67	68	68	71	72	74	76	78	75	68.4
Louisville	Maximum	89	76	77	86	86	84	87	90	89	84	83	86	85	86	86	86	90	92	88	80	86	86	90	90	91	91	91	93	95	96	97	93	88.5
	Minimum	66	66	55	58	68	68	70	70	70	68	68	68	68	70	66	66	68	70	68	67	66	66	68	68	68	68	70	72	74	76	78	74	68.6
Do (Cowden Park)	Maximum	89	76	77	86	86	84	87	90	89	84	83	86	85	86	86	86	90	92	88	80	86	86	90	90	91	91	91	93	95	96	97	93	88.5
	Minimum	66	66	55	58	68	68	70	70	70	68	68	68	68	70	66	66	68	70	68	67	66	66	68	68	68	68	70	72	74	76	78	74	68.6
St. John	Maximum	89	76	77	86	86	84	87	90	89	84	83	86	85	86	86	86	90	92	88	80	86	86	90	90	91	91	91	93	95	96	97	93	88.5
	Minimum	66	66	55	58	68	68	70	70	70	68	68	68	68	70	66	66	68	70	68	67	66	66	68	68	68	68	70	72	74	76	78	74	68.6
Shelbyville	Maximum	89	77	80	89	88	87	89	90	89	87	87	88	89	88	86	86	90	92	89	80	86	86	90	90	91	91	91	93	95	96	97	93	88.5
	Minimum	64	60	48	53	62	64	68	67	67	66	66	66	66	70	59	58	62	61	59	48	56	53	56	62	62	63	64	67	70	66	67	70	63.5
Taylorsville	Maximum	86	79	80	89	89	88	89	90	89	87	87	88	89	88	86	86	90	92	89	80	86	86	90	90	91	91	91	93	95	96	97	93	88.5
	Minimum	67	66	48	53	62	64	68	67	67	66	66	66	66	70	59	58	62	61	59	48	56	53	56	62	62	63	64	67	70	66	67	70	63.5
Williamstown	Maximum	87	77	80	89	89	88	89	90	89	87	87	88	89	88	86	86	90	92	89	80	86	86	90	90	91	91	91	93	95	96	97	93	88.5
	Minimum	63	63	51	55	63	64	71	67	68	66	64	65	66	68	61	58	61	62	58	49	51	58	59	65	65	65	67	70	71	69	72	70	64.5
Eastern Division																																	
Ashland	Maximum	79	80	78	76	87	81	90	91	90	85	88	81	85	86	81	85	86	81	86	86	91	77	80	83	83	89	90	91	93	85	94	94	89	85.7
	Minimum	65	69	49	59	65	67	70	67	68	67	66	68	69	71	65	62	64	61	63	54	51	55	62	63	66	67	68	69	68	68	93	89	85	67.8
Beattyville	Maximum	88	79	82	87	86	88	92	93	92	90	92	85	89	86	84	91	90	93	83	83	84	81	90	90	92	92	93	93	93	90	88	87	87	87.5
	Minimum	64	65	50	52	65	65	70	68	65	68	67	69	66	70	60	60	64	60	60	54	54	58	60	65	65	66	65	65	66	65	68	71	66	65.6
Berea	Maximum	84	78	78	86	87	88	91	92	92	87	89	86	87	88	84	88	90	91	83	83	85	82	87	89	91	92	93	93	93	90	88	87	87	87.5
	Minimum	64	68	51	57	61	65	69	69	66	66	67	68	65	68	65	63	64	64	64	54	51	58	58	64	66	67	67	70	70	68	70	73	68	67.6
Berea	Maximum	84	78	76	86	87	88	91	92	92	87	89	86	87	88	84	88	90	91	83	83	85	82	87	89	91	92	93	93	93	90	88	87	87	87.5
	Minimum	65	67	55	52	62	57	64	62	61	64	65	68	65	68	63	64	64	64	64	54	51	55	59	63	66	67	67	70	70	68	70	73	68	67.6
Berea	Maximum	83	77	78	86	81	87	89	90	90	85	88	86	86	86	82	86	88	90	78	79	82	80	86	88	88	88	90	91	90	91	86	90	86	84.7
	Minimum	64	68	51	57	61	65	69	69	66	66	67	68	65	68	63	63	64	64	64	54	51	55	59	63	66	67	67	70	70	68	70	73	68	67.6
Carnegie	Maximum	85	77	78	88	81	87	89	90	90	85	88	86	86	86	82	86	88	90	78	79	82	80	86	88	88	88	90	91	90	91	86	90	86	84.7
	Minimum	62	65	46	49	54	54	64	65	62	63	62	63	66	66	59	58	58	56	56	47	47	48	56	56	58	...	61	62	66	61	63	66	61	59.1
Farmers	Maximum	82	65	66	69	64	64	65	62	63	62	63	66	66	66	59	58	58	56	56	47	47	48	56	56	58	...	61	62	66	61	63	66	61	59.1
	Minimum	60	62	44	48	52	52	62	62	62	62	62	62	66	66	59	58	58	56	56	47	47	48	56	56	58	...	61	62	66	61	63	66	61	59.1
Harlan	Maximum	84	79	80	86	86	86	88	88	88	86	86	86	86	86	86	86	88	88	88	88	91	77	76	85	86	89	91	91	90	92	95	89	89	90	87.3
	Minimum	64	60	48	53	62	64	68	65	66	66	65	68	68	68	67	63	64	64	64	54	51	55	59	61	64	65	66	67	70	66	67	70	63.5
Hazard	Maximum	84	79	80	88	88	88	89	90	89	87	88	88	88	88	87	87	88	88	88	88	91	77	76	85	86	89	91	91	90	92	95	89	89	90	87.3
	Minimum	64	60	48	53	62	64	68	65	66	66	65	68	68	68	67	63	64	64	64	54	51	55	59	61	64	65	66	67	70	66	67	70	63.5
Maysville	Maximum	85	77	78	88	88	88	89	90	89	87	88	88	88	88	87	87	88	88	88	88	91	77	76	85	86	89	91	91	90	92	95	89	89	90	87.3
	Minimum	65	65	48	52	62	66	71	66	66	66	65	69	67	67	67	62	61	63	60	61	48	56	55	59	61	64	65	66	67	66	67	70	63.5
Middlesboro	Maximum	...	92	87	87	92	87	89	95	96	84	91	86	91	87	91	102	92	91	86	86	91	77	76	85	86	89	91	91	90	92	95	89	89	90	87.3
	Minimum	...	64	56	62	63	63	66	68	64	65	63	64	64	68	64	67	66	60	54	58	56	59	60	68	67	66	68	67	72	67	72	67	68	67	68.8
Mount Sterling	Maximum	89	79	74	90	84	90	91	88	92	87	88	88	87	87	79	84	86	91	76	77	82	81	85	91	90	94	93	95	94	94	94	94	94	94	87.8
	Minimum	62	65	48	51	66	65	67	67	63	65	65	65	66	60	57	61	62	62	59	53	50	56	60	68	68	68	68	68	68	68	68	68	68	68	61.9
Quicksand	Maximum	87	80	85	88	89	89	90	93	94	92	92	88	88	90	85	88	89	91	81	83	83	81	88	90	90	92	94	98	97	96	97	96	96	96	92.0
	Minimum	62	67	52	52	63	64	64	64	64	65	65	67	67	67	65	65	66	66	60	57	51	54	60	61	63	64	66	67	68	68	68	68	68	68	65.6
Richmond	Maximum	86	77	81	87	81	87	92	94	92	87	88	88	88	88	86	86	88	90	80	82	83	80	86	88	88	88	90	92	94	94	92	93	93	93	91.6
	Minimum	60	66	58	56	57	61	68	72	70	72	67	69	69	68	72	63	64	67	65	65	54	59	57	62	67	68	72	70	72	73	73	73	71	66.4
Williamsburg	Maximum	86	78	80	88	87	88	91	92	92	88	88	88	88	88	86	86	88	90	80	82	83	80	86	88	88	88	90	92	94	94	92	93	93	93	91.6
	Minimum	66	58	56	58	55	67	67	63	66	65	64	65	66	68	65	66	65	67	61	54	46	54	58	60	66	60	64	64	68	72	68	72	68	64.1

(1) Instruments were read to the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * [illegible] respectively 1, 2, 3, etc., days missing from record.

W. B. G. Louisville, 8.47 or 10%.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

THE LIBRARY OF THE
OCT 1 1929
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., AUGUST, 1929 No. 8

GENERAL SUMMARY.

Temperature averaging below normal, with many cool nights in the last two weeks, was rather favorable for crops in the dry areas but retarded their growth where sufficient moisture had been received. The rainfall occurred as local showers, with marked irregularity in distribution and a large deficiency in most sections. The heavy rains of the first week in the western counties relieved the drought and, with the moderate showers later in the month, assured fairly good crops. In the second week the rains extended eastward over the southern counties, greatly improving crop conditions in that section. Moderate showers in the northeastern counties in the first and last weeks were helpful locally but not sufficient. In the central counties and the section eastward, including nearly all of the bluegrass region, such showers as occurred were too light to mitigate the prevailing drought conditions, which grew worse as the month advanced. While corn and tobacco made fairly satisfactory growth in the southern and western counties, their progress in the dry central and eastern districts was arrested, with extensive firing and general deterioration on slopes and on soils not especially adapted to withstand dry weather. In the Burley tobacco area plants were badly dwarfed and had to be cut prematurely. Cutting had been completed on many farms by the end of the month. Weather conditions were exceptionally favorable for curing. Some fall plowing was accomplished in the southern and western counties, but the soil became too dry late in the month. Pastures were benefited temporarily where heavy rains occurred, but precipitation was not sufficient to revive them permanently except in a few extreme western localities. Water for stock and domestic purposes became short in the central dry area. Growth of forage crops ranged from poor in the central counties to good in some western districts. The hay was saved in excellent condition. Cotton in the southwestern counties made fairly good progress. Field tomatoes, gardens, and fall truck were cut short in most sections. The month closed with preparations for seeding mostly at a standstill and a general need for soaking rains.

TEMPERATURE.

The reports of 44 stations gave an average temperature for the State of 74.0°, which is 1.6° below the August normal. Rather lengthy periods of subnormal temperature occurred near the beginning, in the middle, and at the end of the month. Warm periods were brief, with high temperatures on only a few days. The highest for the State was 100° at Murray on the 3d, St. John on the 13th, and Bowling Green on the 23d; while the lowest was 37° at Farmers on the 18th.

PRECIPITATION.

Rainfall reports from 85 stations gave a state average of 2.06 inches, which is 1.67 inches less than normal. This is one of the four lightest precipitation averages of record for August. In the north-central counties and extending into the bluegrass region, where the drought reached its greatest intensity monthly amounts ranged from 0.3 to 1.0 inch. They increased in all directions from this dry area, reaching 4.0 to 5.0 inches in the Purchase and ranging from 2.0 to 3.0 inches in the southern and eastern mountain counties. The eastern and northern bluegrass region, which also suffered from drought, received from 2.0 to 2.5 inches, the amount increasing eastward and northward. Showers occurred in the western districts almost daily from the 1st to 12th, and again on the 14th and 24th. They were heavy in many localities. In the central and eastern

PESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind *: Total movement.	Av. hourly velocity.	Max. Velocity.* Miles per hour	Direction	Date.
Cairo ..... Ill.	30.02	30.24	31	29.75	18	4070	5.5	34	n.	13
Cincinnati ..... Ohio	30.04	30.30	31	29.69	13	3345	4.5	22	nw.	13
Evansville..... Ind.	30.05	30.29	31	29.73	13	4235	5.7	32	nw	10
Lexington ..... Ky.	30.05	30.30	31	29.74	13	7017	9.4	38	n.	23
Louisville ..... Ky.	30.05	30.31	31	29.79	13	5440	7.3	35	nw.	23

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with: 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	85	57	65	346.1	420.0	82	23	1
Cincinnati ..... Ohio.	82	52	56	294.6	423.5	70	14	2
Evansville..... Ind.	80	60	70	347.9	421.7	82	18	0
Lexington ..... Ky.	77	52	..	282.6	421.7	67	12	3
Louisville ..... Ky.	79	46	51	351.9	421.7	83	18	0

COMPARATIVE DATA FOR AUGUST.

Year	Temperature. Monthly average.	Departure from 40-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 40-year normal.	No. of days with .01 in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	70.6	−5.0	100	43	1.23	−2.50	..	..	..	..	..
1890...	73.2	−2.4	101	44	6.16	+2.43	..	..	..	..	..
1891...	72.9	−2.7	105	43	5.82	+2.09	..	..	..	..	..
1892...	75.4	−0.2	96	45	3.13	−0.60	..	..	..	..	..
1893...	74.8	−0.8	99	48	1.72	−2.01	..	..	..	..	..
1894...	77.1	+1.5	105	41	3.02	−0.71	5	..	..	..	..
1895...	76.6	+1.0	102	49	2.15	−1.58	6	16	10	4	0
1896...	77.1	+1.5	105	41	2.83	−0.90	9	19	8	4	0
1897...	75.2	−0.4	101	49	2.33	−1.40	7	18	10	3	0
1898...	76.7	+1.1	100	55	3.83	+0.10	6	18	10	3	0
1899...	78.1	+2.5	102	51	3.09	−0.64	6	16	11	4	0
1900...	80.4	+4.8	104	52	2.74	−1.01	12	19	10	2	0
1901...	75.5	−0.1	101	50	5.12	+1.39	7	12	9	10	0
1902...	75.6	0.0	103	45	2.48	−1.25	8	16	10	5	0
1903...	75.5	−0.1	100	49	3.27	−0.46	8	15	11	5	0
1904...	75.2	−0.4	100	45	2.64	−1.09	9	15	8	8	0
1905...	75.7	+0.1	99	42	3.82	+0.09	10	16	8	7	0
1906...	77.4	+1.8	99	45	4.37	+0.64	10	18	9	9	0
1907...	74.8	−0.8	99	48	4.27	+0.54	6	15	7	9	0
1908...	76.3	+0.7	104	49	2.79	−0.94	7	16	8	7	0
1909...	76.9	+1.3	104	45	2.60	−1.13	6	19	8	4	0
1910...	74.0	−1.6	100	46	2.72	−1.01	10	18	7	6	0
1911...	76.2	+0.6	106	45	4.03	+0.30	13	13	7	11	0
1912...	75.7	+1.9	98	43	4.71	+0.98	7	14	8	9	0
1913...	78.0	+2.4	108	44	2.81	−0.92	12	16	9	6	0
1914...	76.0	+0.4	100	49	5.94	+2.21	14	13	8	10	0
1915...	71.3	−4.8	100	42	6.29	+2.56	9	9	10	12	0
1916...	77.0	+1.4	101	47	4.25	+0.52	8	14	10	7	0
1917...	73.9	−1.7	100	42	3.49	−0.24	7	16	8	7	0
1918...	80.2	+4.6	111	50	3.18	−0.55	8	17	9	5	0
1919...	75.0	−0.6	104	47	3.49	−0.24	13	17	8	6	0
1920...	73.4	−2.2	98	43	5.80	+2.07	10	10	10	11	0
1921...	76.0	+0.4	101	48	5.28	+1.55	6	16	9	6	0
1922...	75.2	−0.4	101	47	2.43	−1.30	12	16	9	6	0
1923...	75.4	−0.2	99	43	6.03	+2.30	12	13	10	8	0
1924...	76.5	+0.9	103	43	3.00	−0.73	7	21	6	4	0
1925...	76.5	+0.9	106	44	1.47	−2.26	5	21	7	3	0
1926...	77.3	+1.7	101	51	7.51	+3.78	14	12	10	9	0
1927...	71.1	−4.5	97	43	2.88	−0.85	8	16	8	7	0
1928...	77.0	+1.1	101	54	4.33	+0.60	11	14	10	7	0
1929...	74.0	−1.6	100	37	2.06	−1.67	6	19	7	5	0

Climatological Data for August, 1923.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.						Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. .01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	25	75.8	− 0.6	99	22	46	31	52	2.93	−0.36	1.10	0	6	25	2	4	s.	Mrs. Lena F. Taylor.
Bremen	McLean	437	25	75.1	− 2.3	96	1†	51	30	33	3.16	−0.49	1.66	0	8	9	22	0	ne.	W. A. Taylor.
Charleston	Hopkins	420	39	75.6	− 1.5	97	2	48	16	40	2.14	−1.06	0.56	0	9	24	4	3	ne.	Brick Southworth.
Lords Ferry, Dam 50	Crittenden	366	12								3.11		1.85	0	8				s.	P. H. McGinnis.
Greenville	Muhlenburg	553	12	74.4	− 2.3	95[c]	1†	49[c]	16	33[c]	2.36	−1.90	0.92	0	4	16[c]	12[c]	6[c]	s.	C. R. Lovell.
Hopkinsville	Christian	524	33	75.4	− 2.5	93	1	49	31	42	3.61	+0.17	1.14	0	8	11	8	12	se.	W. F. Graves.
Hopkinsville	Christian			75.6		94	2	56	15	23	4.72		1.65	0	8	17	11	3	sw.	D. Sallee.
Leachburg	Pollard										3.48	−0.25	1.00	0	5	16	13	2	s.	B. C. Paris.
Marion	Crittenden	371	31	73.1	− 4.9	91[k]	24	52[c]	15	28[c]	4.27	+0.70	1.69	0	5	23[l]	4[b]	2[b]	ne.	Mrs. C. R. Sowell.
Mayfield	Graves	364	20	75.2	− 1.2	97[l]	1†	50[l]	16	41[c]	4.23		1.23	0	6	16	10	5	s.	Harry B. Arnold
Murray	Calloway	412	3	74.6	− 3.1	100	2	44	31	45	2.80		1.10	0	8	21	7	3	s.	Henry S. Berry.
Owensboro	Daviess	479	32	73.2	− 3.1	95	1	50	31	37	3.18	−0.18	1.76	0	8					George McGlenary.
Owensboro, Dam 46	Daviess	404	1								2.84		1.64	0	8					J. W. Lilley
Paducah	McCracken	316	12	76.0	− 3.2	99	1	51	15†	36	5.00	+0.14	1.50	0	7	23	5	3	ne.	Frank L. Brown.
Paducah, Dam 52	McCracken	341	40								3.98	+0.42	1.10	0	10					Dr. W. L. Cash.
Princeton	Caldwell	529	22	74.3	− 3.4	92	1†	52	31	33	3.50	+0.48	1.25	0	8	12	14	5	n.	Thos. L. Wetzell.
Ramsey, Lock 2	Nelson	384	12								3.86	−0.93	1.27	0	7					Wm. Shelton.
Russellville	Logan	590	18	75.7	− 8.0	96[b]	2	51[b]	16†	29[b]	3.71	+1.05	3.32	0	5	21[c]	1[c]	6[c]	s.	H. R. Sale.
Shawneetown, Dam 49	Union	357	1								5.84		4.80	0	6					
Central Division.																				
Addison, Dam 45	Breckinridge	852	1								1.70		1.15	0	7					C. L. Moore.
Anchorage	Jefferson	760	28	72.2	− 2.5	96[a]	22	46[a]	16	40[a]	0.89	−3.00	0.78	0	5	22[a]	6[a]	2[a]	ne.	C. E. Barret.
Bardstown	Nelson	697	32	74.5	− 2.6	99	22	47	16	41	0.81	−2.92	0.32	0	4	24	3	4	w	Mrs. Emily T. Sisco.
Beechland	Warren	660	40	77.7	− 0.6	100	23	51	16	38	1.75	−1.99	0.86	0	7	17	13	1	s.	Mrs. Lillie G. Causey
Bowling Green	Warren										1.78		1.29	0	4					Jas. B. Hines.
Bowling Green, No. 2	Warren	469	4								2.01	−2.09	1.16	0	6					Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	410	12								1.74	2.42	0.44	0	8					T. A. Lewis
Burnside	Pulaski	773	28								2.59	−0.91	2.15	0	2					Shelby angel.
Carrollton, Lock 1	Carroll	422	20								1.79		0.59	0	6					Bert Ross.
Cold Spring, Dam 86	Campbell	489	3								0.58		0.48	0	2	18	13	0	w.	G. D. Glass.
Dix Dam, Burgin	Mercer	779	5	75.0		94	1†	48	16	42	1.15	−3.19	0.56	0	4	15	8	8	n.	Mrs. Katie Payne.
Eubank	Pulaski	1177	35	72.9	− 0.9	94	2	48	31	30	0.96	−2.82	0.72	0	8	18	4	9	s.	Sidney Wood.
Frankfort	Franklin	509	37	74.8	− 0.2	95	22†	46	16	35	2.20	−1.34	1.80	0	2	29	2	0	nw.	M. E. Johnson.
Franklin	Simpson	591	34	71.8	− 2.0	97	1†	53	16	37	1.45	−2.43	0.78	0	5					Albert Purvis.
Hazel, Lock 8	Henry	449	18								1.10		0.78	0	5					W. T. Susan.
Hebron, Dam 38	Boone	780	8								2.77	−1.43	1.68	0	7	7	4	20	n.	Mrs. Goldie K. H. Alcorn
Hodgenville	Larue	581	36	75.4	+ 0.1	98	2†	47[l]	31	44[l]	0.86	−3.69	0.15	0	6					Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	550	27								0.92	−2.55	0.68	0	3	25	3	3	sw.	W. J. Piggott.
Irvington	Breckinridge	646	31	75.4	− 0.7	96	22	52	16	34	0.58	−3.02	0.32	0	3	16	14	1	se.	Caroline Grubbs.
Jamestown City	Boyle	985	35	74.0	− 0.5	98	23	43	16†	42	1.24		0.55	0	6					L. J. Vanbook.
Lancaster	Garrard	1032	8								1.29		0.55	0	6	21	8	2	w.	H. E. Willis.
Leitchfield	Grayson	685	33	75.8	+ 0.2	98	2	48	16	32	0.77	−3.14	0.18	0	5	17	10	4	se.	U. S. Weather Bureau
Lexington	Fayette	982	45	72.4	− 2.1	93	1	51	15	29	1.49	−1.96	1.39	0	4					Horace Carter.
Limeville, Lock 3	Jessamine	528	18								0.78	−3.94	0.30	0	4					Andrew J. Keenan.
Loanport, Lock 2	Henry	476	19								2.60	−1.48	2.00	0	3					U. S. Weather Bureau
Louisville	Jefferson	525	56	75.0	− 2.0	96	22	56	16	31	1.45	−1.97	0.77	0	8	16	13	3	w.	Wm. T. Hoult.
Do. (Cherokee Park)	Do.	534	19	73.2	− 1.9	94	22	51	16	33	1.23	−2.44	0.93	0	6	17	12	2	ne.	A. G. Hubbard.
Munfordville	Hart	690	4								1.68		1.30	0	3					Sister of Loretto.
Nicholasville	Jessamine	777	33	74.6	− 0.9	100	13†	46	16†	44	0.31	−3.56	0.20	0	3	28	3	0	.....	Ernest M. Searey.
Salvisa, Lock 5	Mercer	490	16								1.27	2.21	0.58	0	4					
Shelbyville	Shelby	900	31	70.4	− 4.4	90	1†	48	16	37	1.88	−1.99	1.34	0	7	12	13	6	ne.	E. B. Wilson.
Simpsonville	Shelby	825	40	73.4	− 1.8	99	22	47	16	40	0.78	−2.78	0.57	0	5	24	3	3[b]	ne.	Miss Ruth Ballu.
Smithville	Shelby	489	27	74.8	0.0	96	22†	48	16	40	1.03	−2.48	0.69	0	6	25	2	4	ne.	E. D. Bourne.
Taylorsville	Spencer	526	11								0.75	−3.06	0.60	0	2					L. K. Vaughn.
Tyrone, Lock 3	Anderson	526	11								1.48	−2.71	0.78	0	4	16	6	9	e.	Miss Nettie B. Simpson
Williamstown	Grant	943	26	72.0	− 2.2	96	22	48	15†	39	2.56	−1.94	0.33	0	7					H. J. Lewis.
Woodburn, Lock 4	Bellow	523	12																	
Eastern Division.																				
Ashland	Boyd	534	12	71.5	− 4.0	94	2	51	16†	32	2.53	−1.74	1.02	0	9	20	0	11	s.	Curtis Purvis.
Beattyville	Lee	668	25	71.2	− 3.9	92	13	46	16	39	2.51	−1.87	0.90	0	7	16	12	9	n.	Robert S. Smallwood.
Berea	Madison	1070	27	74.2	− 0.2	94	13†	48	30	36	0.86	−3.78	0.34	0	5	16	10	5	se.	Chas. C. Graham.
Cedar Bluff, Lock 11	Madison	891	19								3.31	−0.39	1.50	0	8					Polly Waldin
Clarkson	Hardin	684	11								1.01	−3.57	0.56	0	4					E. L. Kehoe.
Cynthiana	Harrison			71.3		89	18	50	31	32	2.77		0.58	0	11	19	8	4	.....	James Sowards.
Elkhorn	Pike										1.32	−2.45	0.71	0	6					J. V. Oldham
Falmouth	Pendleton	669	40								2.31	−2.11	0.91	0	5	21	7	3	e.	Mrs. R. F. Stamper
Grahns	Bowan	858	21	68.6	− 5.2	90	1†	37	18	51	2.56		1.10	0	7					C. A. Glascock
Greenupsburg	Floyd	841	1								1.77	−2.75	0.44	0	6					John A. Childers.
Grid, Lock 10	Clark	533	13								1.97		0.64	0	7					Con. Frank Powers.
Grayson	Carter	549	4								2.12	−0.70	1.22	0	2					W. Mitchell.
Greenup, Dam 30	Greenup	540	9								1.83		0.75	0	10	17	6	8	.....	W. W. Dudield.
Harlan	Marian	1197	1	75.6		93	9†	49	30	26	3.87		0.98	0	7					Chas. G. Brig.
Hazel	Perry	899	5								1.64	−2.58	0.60	0	5					E. R. Davidson
Heidelberg, Lock 14	Lee	664	12								2.03		0.51	0	7					Russian Copley.
Jamestown	Letcher	1595	4								2.56	−1.33	0.62	0	7					L. L. Manring.
Jenny	Lawrence	584	25								1.77		0.80	0	11					Perry E. Bennett
Manchester	Clay										2.25	1.81	0.89	0	7	17	7	7	s.	Matthew Woodson
Maysville	Mason	504	32	71.4	− 1.2	93	1†	49	5†	38	2.98	−3.76	0.23	0	4	23[l]	4[l]	0[l]	.....	W. B. McKee.
Middlesboro	Bell	1128	33	74.0	0.2	99[l]	10	43[l]	16	48[l]	2.39	−1.15	2.09	0	5	26	5	1	w.	Andrew M. Stanforth
Mount Sterling	Montgomery	930	39	70.4	− 3.6	95	26	43	16	40	2.27		0.90	0	7					Robert Repass.
Newport, Dam 55	Campbell	497	7								1.72	−2.35	0.86	0	4					E. C. Ball.
Pikeville	Pike	650	23								3.38		0.95	0	8					R. W. Jones.
Prestonsburg	Floyd	649	4								1.55		0.36	0	4					Walter E. Rush.
Quicksand	Breathitt	702	4	71.6		91	2†	38	16	45	3.03	−1.54	1.20	0	7					I. W. Crocke.
Ravenna, Lock 12	Estill	641	11								1.94	−1.66	0.46	0	6	25	2	4	.....	Miss Sall can.
Richmond	Madison	906	38	74.8	− 0.7	93	13†	53	15†	32	2.08	−2.05	0.68	0	8					H. M. Fannin.
Rough Valley, Lock 9	Madison	541	16								1.26	−2.98	0.54	0	4					G. R. Zimmerman.
Sandy Hook, Dam 32	Elliott	565	14								1.23		0.46	0	5					Lawrence K. Tid.
Stanford	Lincoln	1162	4								2.41	−2.25	1.60	0	7	29	2	0	.....	Jessie Hicks.
Stanton	Powell	970	32	74.8	− 1.2	96	23	47	20†	40	2.05	−1.91	1.10	0	5					
Tyrone, Lock 15	Lee	611	16								2.06	−1.67	4.80	0	6	19	7	5	s.	
Means or means and totals				74.0	− 1.6	100	15†	37	18	52	2.06	−1.67	4.80	0	6	19	7	5	s.	

Averages, totals, and departures have been computed only for such stations as have ten or more years of record, but all available reports are published.

Dashes indicate that data are not available. Dates are given for the first day of the month on which occurred the highest temperature and the lowest, and the greatest daily range, the greatest precipitation in 24 hours, and the greatest number of days with precipitation of .01 inch or more; if these occurred on more than one day of the month, the number of such days is given, or the first two dates.

Precipitation includes rain, melted snow, sleet, and hail. Trace is entered for amounts too small to measure. Snowfall is recorded in inches and tenths, that occurring on the same day with rain being measured in the rain gage.

Dates of occurrence are given for the following extremes and numbers of days: Temperature: Highest, lowest, and greatest daily range. Precipitation: Greatest in 24 hours, total snowfall unmelted, and numbers of days with precipitation of .01 inch or more, clear, partly cloudy, and cloudy.

Prevailing direction of wind is that of the resultant movement, determined from the records of a 4-direction (n., e., s., w.) or 8-direction (n., ne., e., se., s., sw., w., nw.) wind vane.

Observers are those to whom the records are credited, but in many cases the data are taken from automatic records.

[a] Records for Louisville, Cherokee Park, and Anchorage are used for comparisons.

[b] Records for Hopkinsville, Owensboro, and Paducah are used for comparisons.

[c] Records for Greenville, Marion, and Murray are used for comparisons.

[k] Records for Bowling Green are used for comparisons.

[l] Records for Middlesboro are used for comparisons.

† Also on other dates.

‡ Post-office address.

Lock 1, Carrollton, Ky.; Lock 2, Loanport, Ky.; Lock 3, Limeville, Ky.; Lock 4, Woodburn, Ky.; Lock 5, Salvisa, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

Lock 7, Lawrenceburg, Ky.; Lock 9, Rough Valley, Ky.; Lock 11, Cedar Bluff, Ky.; Lock 12, Ravenna, Ky.; Lock 13, Boonesboro, Ky.; Lock 14, Heidelberg, Ky.; Lock 15, Tyrone, Ky.; Lock 16, Frankfort, Ky.

Precipitation was irregularly distributed. Lowers occurred in the periods ranged between 0.3 inch at St. John and 5.84 inches at Union on the 24th, 16-17th, and 25d 25th. For the State precipitation [illegible] Thunderstorms were reported almost daily from the

Daily Precipitation for August, 1929.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	.80		.90				.15			1.10				.15																		
Carlisle		.50	.03			.18	.03			1.66		.04		.24										.55			T					
Cedars ferry, Dam 30	.68		.44			.12	.19	.02			.05	.07		.30										.55								
Centerville	T				.35	T.	.14	.25	T		.08	.14	.47	.14										1.00								
Hopkinsville	.45		1.14				.21	T.			.79			.30										.52								
Lovelaceville	M		T.				.70	.40	T.	1.65	.49	.41	.01	.27										.38								
Marion	.10	1.66			T.	T.	T.	T.	T.	.60	.80			T.										.85								
Mayfield																																
Murray	T.	T.				1.60	.35		.95			.42												.95			.10					
Owensboro						.90	.27	T.	1.25	.21	.29													.90								
Owensboro, Dam 46	.19	1.70				.16	.06				.15	.10		.27									.30			T					
Paducah (near) ¶	.06	1.64	T.			.04	.12	T			.07	.05		.22										.52								
Paducah						.60	.30		1.50	.45	.30			.90										.55								
Princeton	.57		.18			.30	.15	.17	.08	.43	.70			.56										.55								
Smithy, Lock No. 2	T.	T.	T.		T.	.80	.01		.12	1.01	1.25													1.10								
Russellville	.32		.72			T.	.14				1.27	.04		.27										.55			.18					
Smithtown, Dam 43			.07				.12				* 3.32													.60								
Stanton *Division*	.10					.15	.10				.69			T.										.20								
Addison, Dam 45																								4.80								
Indianola		.01	T.	.11	T.	.05	.13				.17	T.		.07																		
Jamestown	S	.12	.15			.03				.01														1.15			.02					
Bowling Green	G	.30	.10				.05	.03			.22													.75			.08					
Bowling Green, No. 2	G	.29						.10	.10		.85	.15		T										.22								
Brownsville, Lock No. 6	G	T.	.12				.04	.3			1.29													.50								
Burnside	C	T.	.03	.15		T.	T.				1.16			.06										T.								
Carrollton (Lock No. 1)	K			.35							.31	.20	.20											.23								
Concord, Dam 36	O		.5	.70		T.	T.			T.	.07													T.	.12							
Dix River, Burgin	K													.14				T.					.02	2.15								
Elkton	G			.55	.11						.21	.21											.48	.40								
Franklin	K			.10		T.		T.																.10								
Frost, Lock No. 3	G									1.80	.40													.72	.08		T.					
Grand, Dam 52	O		.02	.30		.03				.02																						
Greensburg	G		.23	.75					.02	.15			.02											.78								
Green River, Lock No. 7	K		.12	.07	.10		T.			1.68	.06											T.				T.						
Harrison	O				.06					.04	.06		.04											.04	.05							
Hebron City	S	.16	T.	.32		.08			T			T.		T.									T.	.15	.01							
Hillsdale	S	.09		.55							T.							T.					T.	.68								
Hopkinsville	K		.12	.18						.11		.01												.12		T.						
Irvington ***	K	.01	.5		T.	T.	.06			.10				.11										.05	.34		18					
Ellis Buckman, Lock No. 8	K		.11	T.		T.			T.		T.		T.	T.										.18								
Jackson, Lock No. 2	K		.28			T.																T.	.81	.58		.04					
Jeffersonville ***	O	.02	.04		T.					.32														.30	.23							
Jo. (Hensley Park)	O		.16							.02	.16													2.00								
Lauderdale	G		.22			.07				.04	.69													.60	.17		.38					
Lebanon	S		.01	T.						1.30														.90			.09					
Louisa, Lock No 6	K		T.	.40					T.	T.			.10											.11								
Mount	L		1.34			.03			.03	.03			.11											.20								
Owensville	S		.01	.15		T.	.64			.01													T.	.10	.58	.14						
Pikeville	L		.01	.15																				.22				T.				
Pittsburg, Lock No. 5	K	.06	.18			.02			.05		T													.87								
Shawneetown	L		T.						T.														.03	.69								
Smithers, Lock No. 4	G	.19	.28	.39						.12													.60			.15						
Stanton *Division*		.12				.13				.73	.88		.24											.78								
Ashland	O	.19	1.02	.12																				.82								
Caryville	K	T.		.57						T.	.10							.01					.70	.20			.18		.01			
Coal	K	.09								.23	.02	.90											.05	.43	.27							
Cove Hill, Lock No. 11	K		.05	.15																			.18	.34	.02							
Hillman			.02							1.18	1.50	.10												.63	.15	.05		T.				
Marion	B		.20							.01	T.		T.											.90				.02				
Monmouth	L	.01	.20	.23			.04	.05		.12	.18	.09	T.										.41	.58	.57		.20	.02				
Pineville	L	.91	.09								.16													.02	.71							
Pineville	L		.06																					.05	.91	.35						
Pool, Lock No. 10	K	.67	T.	.37		T.			T.	.10	.15													.75	1.10	.20		.50				
Pearson	O		.04	.29						.42	T.	T.												.10	.44	.07		T.				
Pleasure, Dam 30	O	.40	1.02	.15							.06													.64	.28	.09						
Reed			.24	.45	.04	.01	.08	.02		.11	.07													.26	.17	.01		.15		.05		
Rochester, Lock No. 14	K	.87		.11			T.			.61			.05											.05	.75							
Rumsey	K			.85							.38												.92	.98	.86		.02					
Russell	B		.05			.10				.51													.30	.43	.28							
Rochester	K	.15	.57	.54							.25												.34	.48	.28		.27					
Sandy	K	.02	.10	.90			.03			.42	.03	.02											.62	.19	.14							
Salyersville	O		.29	.06						.12	.02												.02	.12	.05		.02					
Mount Sterling	L	.40	T.	T.	.17				.05	.22	.05			T.									.80	.36			.01					
Tennessee, Dam 35	O		.67	.80		.06		T.	.10														.05	2.00	.30		.15					
Tompkinsville	B	T.	T.	.12			T.																.02	.32				T.				
Versailles	G	.09	.03	.29						.38													.58	.86			.86					
Wabash, Lock No. 12	K	T.	.26	T.	.18					.06													.79	.77	.07		.95					
Wayne	K		.21	.32		T.		T.	.10	1.20	.50												.32	.81	.36							
Wax View, Lock No. 6	K	.02	.2						T.	.40														.04	.45		T.					
Wickliffe, Dam No. 52	O		.52		.12				.08		.12												.12	.42	.42							
Woodbury	K	.06																					.55	.58	.52							
Zimmerman	O	.38	.75	.10						1.00		.15												.02	.38	.32						
Dow, Lock No. 13	K			.25				.15															.45	.46	.66		.18				
																								T.	.02		.02				
																							1.10	.40							

Except as otherwise indicated observations are generally made at the afternoon hour of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount been previous 24 hours. * Precipitation included in the next following measurement.

Blank indicates data not received. T. Trace, or less than 0.005 inch.

Flood discharge area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

to 14th, and also on the 18th, 22d, 23d, 24th, and 27th.

MISCELLANEOUS.

River. — Low stages prevailed in all streams of the State during the month.

Daily Temperatures for August, 1929.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	97	96	93	84	86	80	85	91	95	95	93	94	94	85	79	86	94	92	89	89	94	99	98	94	90	94	95	94	85	86	98	91.1
	Minimum	71	69	70	64	53	64	64	60	67	67	70	66	63	63	49	48	54	58	64	56	51	70	69	68	61	69	57	56	51	50	46	60.5
Calhoun	Maximum	96	92	90	81	82	77	81	90	88	93	91	92	92	84	77	83	90	89	85	85	85	86	95	90	87	91	92	81	80	73	84	86.8
	Minimum	72	71	72	64	55	63	63	62	68	69	70	69	65	65	53	52	57	60	62	57	55	72	71	67	65	72	74	57	57	51	64	63.4
Earlington	Maximum	96	97	93	83	85	81	83	88	91	93	91	92	93	88	76	85	91	91	89	88	93	96	96	90	89	90	91	89	84	83	50	88.8
	Minimum	73	72	74	61	53	66	65	63	70	68	70	64	63	65	50	49	55	65	63	60	53	70	74	68	64	68	59	58	57	54	52	61.4
Greenville	Maximum	95	94	90	86	80	81	88	90	..	96	69	64	62	62	50	49	54	65	88	52	67	71	..	66	69	87	86	90	91	93	92	87	84	89.5
	Minimum	70	71	70	54	63	64	61	67	..	66	59	64	62	62	50	49	54	65	88	52	67	71	..	67	69	87	85	85	87	78	79	80	82	81	89.1
Hopkinsville	Maximum	98	92	91	85	87	86	88	83	86	97	92	90	87	89	80	84	90	93	88	93	88	95	95	93	88	90	91	93	92	87	84	91	89	91.3
	Minimum	69	72	67	63	52	64	65	63	69	68	67	64	66	67	53	52	73	72	78	84	57	81	83	88	90	89	87	85	85	87	78	79	80	82	81	81.9
Lovelaceville	Maximum	91	94	91	80	88	77	77	88	80	88	87	86	87	83	72	78	84	87	81	83	88	90	89	87	85	85	85	87	78	79	83	81	84	84.2
	Minimum	71	76	75	68	60	64	67	68	70	70	72	69	71	65	56	58	62	65	65	62	65	72	72	70	69	67	67	58	60	61	60	62.0
Marion	Maximum	..	..	..	..	..	..	..	87	85	82	83	89	87	81	79	81	86	86	84	84	87	86	85	91	86	88	88	78	79	83	81	90.2
	Minimum	..	..	..	..	..	..	..	59	70	71	70	65	67	64	52	54	60	59	57	59	58	..	95	95	95	..	..	93	94	86	88	89	92	90.2
Mayfield	Maximum	97	97	96	88	90	83	80	89	87	93	..	92	92	89	81	84	90	93	88	..	56	70	70	..	..	..	..	61	63	57	55	56	51	62.1
	Minimum	69	78	73	61	54	61	66	65	68	66	..	68	67	65	53	50	56	57	64	..	56	70	95	95	92	88	90	92	83	82	84	88	89.4
Murray	Maximum	98	100	97	84	87	84	81	87	93	95	92	91	92	84	86	83	90	91	85	88	93	95	95	92	88	90	92	83	82	84	50	44	59.7
	Minimum	69	70	70	62	50	58	67	63	69	66	70	70	63	63	48	48	52	53	60	50	48	66	67	68	63	56	56	59	54	50	49	52	82	87	86.0
Owensboro	Maximum	95	94	88	79	80	78	85	87	90	92	87	88	90	83	75	85	88	85	89	57	54	66	67	65	64	54	60	55	56	53	50	60.5
	Minimum	68	67	68	64	56	60	63	62	67	67	69	62	64	67	52	52	55	59	59	59	56	89	93	94	92	92	90	89	84	86	87	89	88.5
Paducah (near)	Maximum	99	96	92	87	89	80	82	90	86	92	91	90	90	81	80	87	89	90	86	89	90	93	94	92	92	90	89	84	86	87	89	88	89	89.3
	Minimum	70	75	75	60	55	68	66	65	71	69	71	65	67	65	51	51	66	57	69	60	60	60	72	67	65	62	62	60	54	57	53	52	63.8
Princeton	Maximum	92	92	88	80	81	78	79	84	86	90	87	87	89	80	72	77	84	86	82	84	89	93	96	92	88	88	88	83	82	84	88	88	88	88.1
	Minimum	72	73	72	64	56	64	66	65	72	69	70	65	66	67	55	56	57	59	66	62	56	70	95	90	87	87	83	95	90	84	83	84	88	81.2
Russellville§§	Maximum	95	96	90	83	86	88	..	88	92	..	94	89	93	72	77	84	92	89	86	88	93	96	96	92	88	90	92	87	87	87

.05
KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. CRISWELL, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., SEPTEMBER, 1929 No. 9

GENERAL SUMMARY.

Moderate to heavy rains at the end of the first week relieved the prevailing drought in the northern and eastern counties; but the south-central districts remained dry until about a week later, when heavy rains visited all parts of the State. Before the occurrence of these rains moisture in the southern and western counties had been sufficient to maintain growth. That section received the heaviest rains and suffered for a time from too much moisture, with resulting damage to field tomatoes and hay, and delay in farm operations. In the dry areas the rains came too late to be of much benefit to the principal crops; for most early tobacco had been cut and early corn had practically matured. Late corn had largely tasseled without shoots, and the tobacco was so badly dwarfed as to render unlikely its development and ripening before killing frost. The persistent dryness of the first half and the cold winds of the third week retarded the curing of tobacco. The low temperatures that followed the first rains and continued without a break into the last week adversely affected the late crops. Light frost was reported from the northeastern counties on the 19th. Fair weather that predominated after the 15th, and the few warm days near the close, were favorable features. Much late hay was made from alfalfa, soybeans and cowpeas during this period of good weather. Pastures revived, made fairly rapid growth, and were in excellent condition at the close of the month. Late potatoes which had withstood the dry weather grew out remarkably after the rains, reaching the blossoming stage in the last week. The first and last few days were favorable for cotton, otherwise the weather was too wet or too cool. Bolls opened more rapidly in the last week, and there was some picking. The rains restored the soil to good condition for fall plowing and seeding. Considerable early rye was up and some wheat had been sown in the northern counties by the close. The weather of the last half was favorable for corn cutting and silo filling. The latter activity absorbed much of the late and otherwise worthless corn.

TEMPERATURE.

Temperature reports from 42 stations gave an average for the state of 69.5°, which is 0.9° below the normal for this month. Short periods of relatively warm weather occurred near the beginning and end of the month, otherwise temperatures almost continuously below normal prevailed. The cool weather culminated in deficiencies 10° to 17° below normal in the period 15th-18th, with minima below 40° at many stations. Extremes for the State were 97° at Glower Dam on the 5th and 35° at numerous stations on the 20th.

PRECIPITATION.

As determined from reports of 82 stations, the average precipitation was 4.69 inches, which is 1.86 inches more than normal for September. The excess was greatest in the upper Cumberland and lower Ohio valleys, where 6.0 to 8.0 inches prevailed. A few stations in the lower Licking Valley also reported amounts of 8.0 or more. In the south-central part of the State and the eastern mountain counties, amounts ranged from 2.0 to 4.0 inches. In other districts from 4.0 to 6.0 inches occurred. Rains were general and usually quite heavy on the 5th and 6th, and frequent light to moderate showers occurred in the period 9th-18th. The [illegible] and the [illegible] observed in the period [illegible]

THE LIBRARY OF THE
OCT 29 1929
UNIVERSITY OF ILLINOIS

[illegible] reported on [illegible] and [illegible] were [illegible] [illegible] the [illegible] last [illegible] [illegible] the 28th [illegible]

[illegible] SURFACE WIND.

Stations	Atmospheric Pressure (reduced to sea level) Highest	Date	Lowest	Date	Total movement	Wind Average velocity	Prevailing direction	Direction of highest velocity	Date
Cairo	30.08	11	29.77	5	3891	5.4	S.		
Cincinnati	30.07	11	29.81	15	5547	7.7	sw.		
Evansville	30.07	11	29.80	5	5337	7.4	w.		
Lexington	30.08	11	29.83	15	5046	7.0	w.		
Louisville	30.08	11	29.77	5	5028	7.1	w.		

*For any five minute period. †On [illegible] at [illegible] closing [illegible]

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity 7 a. m.	Rel. Humidity Noon.	Rel. Humidity 7 p. m.	Sunshine Total hours of Sunshine.	Sunshine No. of hours possible.	Sunshine Percentage of possible.	Number of days clear (60 per cent or more).	Number of days cloudy (20 per cent or less).
Cairo	88	65	73	249.5	372.4	67	16	4
Cincinnati	82	56	68	248.2	372.4	67	12	
Evansville	86	67	70	243.1	372.4	65	13	4
Lexington	82	65		239.0	372.9			
Louisville	87	63	70	262.9	372.4	71	16	

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature. Monthly mean.	Departure from 40-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 40-year normal.	No. of days with 0.01 inches or more.	Average Number of Days. Clear.	Partly cloudy.	Cloudy.	Average speed, M. P. H.
1890	72.1	+1.7	101	36	1.23	−1.63					
1891	69.0	3.1	96	39	2.71	−1.0					
1892	69.5	0.9	95	42	1.84						
1893	67.5	−1.9	93	34	1.24	−1.63					
1894	69.6	+0.8	96	34	1.24	−1.63					
1895	71.7	+1.3	97	37	1.10	−1.77					
1896	69.4	0.8	96	37	1.10	−1.77					
1897	72.0	+1.6	97	37	2.87	+0.94					
1898	72.4	+2.0	97	37	2.87	+0.94					
1899	70.6	+0.2	96	37	3.93	+2.00					
1900	68.6	−1.8	96	37	3.93	+2.00					
1901	70.6	+0.2	96	37	1.17	−0.76					
1902	70.6	+0.2	96	37	1.17	−0.76					
1903	68.6	−1.8	96	37	1.25	−0.68					
1904	69.1	−1.3	96	37	1.25	−0.68					
1905	68.1	−2.3	96	37	3.08	+1.15					
1906	70.1	−0.3	96	37	3.08	+1.15					
1907	70.1	−0.3	96	37	1.42	−0.51					
1908	70.1	−0.3	96	37	1.42	−0.51					
1909	70.1	−0.3	96	37	1.42	−0.51					
1910	70.1	−0.3	96	37	1.42	−0.51					
1911	70.1	−0.3	96	37	1.42	−0.51					
1912	70.1	−0.3	96	37	1.42	−0.51					
1913	70.1	−0.3	96	37	1.42	−0.51					
1914	70.1	−0.3	96	37	1.42	−0.51					
1915	70.1	−0.3	96	37	1.42	−0.51					
1916	70.1	−0.3	96	37	1.42	−0.51					
1917	70.1	−0.3	96	37	1.42	−0.51					
1918	70.1	−0.3	96	37	1.42	−0.51					
1919	70.1	−0.3	96	37	1.42	−0.51					
1920	70.1	−0.3	96	37	1.42	−0.51					
1921	70.1	−0.3	96	37	1.42	−0.51					
1922	70.1	−0.3	96	37	1.42	−0.51					
1923	70.1	−0.3	96	37	1.42	−0.51					
1924	70.1	−0.3	96	37	1.42	−0.51					
1925	70.1	−0.3	96	37	1.42	−0.51					
1926	70.1	−0.3	96	37	1.42	−0.51					
1927	70.1	−0.3	96	37	1.42	−0.51					
1928	70.1	−0.3	96	37	1.42	−0.51					
1929	70.1	−0.3	96	37	1.42	−0.51					

Climatological Data for September, 1929.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall recorded.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																					
Beaver Dam	Ohio	441	25	71.0	+ 0.1	97	5	40	19	40	3.86	+1.18	1.30	0	10	18	1	11	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	457	25	70.4	− 1.6	92	1	43	19	33	6.13	+3.35	1.55	0	11	4	22	4	sw.	W. A. Taylor.
Earlington	Hopkins	420	39	70.0	− 1.4	93	1†	40	19	37	6.06	+3.18	2.00	0	11	16	5	9	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356									7.25		1.61	0	12					P. H. McGinnis.
Greenville	Muhlenburg	519	12	°69.2	− 1.8	93ª	1†	40ª	19	45ª	4.03	+1.22	1.83	0	8	14ª	13ª	2ª	s.	C. R. Lovell.
Hopkinsville	Christian	524	33	71.1	− 1.0	96	1	40	15	43	1.83	−1.32	0.50	0	11	7	5	18	se.	W. E. Graves.
Lovelaceville	Ballard			69.8		91	29	43	19	30	6.13		1.69	0	10	8	17	5	ne.	H. Sallee.
Marion	Crittenden	571	31	69.8	− 2.6	89	1†	43	19	31	6.76	+3.86	2.82	0	9	14ª	8ª	7ª	sw.	B. C. Paris.
Mayfield	Graves	364	20	°71.2	− 0.8	94ª	2	41ª	19	36ª	4.31	+1.29	1.87	0	8	6	15	9	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	3	70.0		93	1	40	19	39	5.54		1.90	0	11	14	2	14	s.	Harry B. Arnold
Owensboro	Daviess	479	32	68.0	− 2.5	90	3	43	15†	38	6.26	+3.33	1.29	0	12					Henry S. Berry.
Owensboro, Dam 46	Daviess	404	1								6.14		1.26	0	12					George McGlenary.
Paducah	McCracken	516	12	71.0	− 2.0	93	1†	44	19	36	6.81	+3.55	2.50	0	8	18	4	8	se.	J. W. Lilley
Paducah, Dam 52	McCracken	341	40								8.60	+5.01	2.40	0	8					Frank L. Brown.
Padiucah	McCracken										5.01	+2.03	1.16	0	11	9	12	9	s.	Dr. W. J. Cash.
Princeton	Caldwell	529	22	69.8	− 1.7	90	1	44	19	30	6.23	+2.81	1.26	0	13					Thos. L. Wetzell.
Ransey, Lock 2	McLean	382	12								2.65	− 0.32	1.85	0	7	18	3	9	s.	Wm. Shelton.
Russellville	Logan	557	18	70.6	− 1.3	94	1†	42	19	33	2.65		0.78	0	7	18	3	9	s.	H. R. Sale
Uniontown, Dam 49	Union	357	1								8.18		2.98	0	12					
Central Division.																					
Addison, Dam 45	Breckinridge	352	1								4.77		1.02	0	11					C. L. Moore.
Anchorage	Jefferson	700	28	66.6	− 1.9	91	5	40	19	40	3.92	+1.26	1.31	0	12	14	7	9	se.	C. E. Barret
Bardstown	Nelson	687	32	70.4	− 1.1	95	1†	40	19	45	4.78	+1.90	1.93	0	10	18	7	5	s.	Mrs. Emily T. Sisco.
Bardstown	Nelson	560	40	72.8	+ 0.6	95	1†	42	19	37	2.68	−0.66	1.50	0	8	7	16	7	w.	Mrs. Lillie O. Causey.
Bowling Green	Warren	469	4								2.71		1.25	0	6					Jas. R. Hines.
Bowling Green, No. 2	Warren	410	12								2.87	−0.81	0.99	0	9					Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	473	8								8.51	+5.00	2.91	0	17					T. A. Lewis
Burnside	Pulaski	773	8								4.09	+1.15	0.96	0	9					Shelby Angel.
Carrollton, Lock 1	Carroll	422	50								6.78		2.00	0	11					Bert Ross.
Cook Spring, Dam 36	Campbell	489	3								5.55		2.30	0	11	9	19	2	se.	G. D. Glass.
Ice Dam, Burgin	Mercer	770	5	70.4		95	2	43	19	42	2.93	−0.58	0.78	0	9	8	6	16	n.	Mrs. Katie Payne
Eubank	Pulaski	1177	35	69.8	+ 1.3	94	2†	39	20	41	4.08	+1.96	1.44	0	11	11	6	13	s.	Sidney Wood.
Frankfort	Franklin	560	37	69.6	+ 1.1	91	3	43	19	39										M. E. Johnson.
Franklin	Simpson	691	34		.6															Albert Purvis.
Gest, Lock 5	Henry	449	18								5.58	+2.48	1.54	0	10					W. T. Dugan.
Grant, Dam 38	Boone	780	8								4.70		1.87	0	12					Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	36	70.3	+ 0.7	94	5	39	19	41	2.33	−0.62	1.55	0	13	6	3	21	e.	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	650	27								6.16	+3.19	2.34	0	11					W. J. Piggott.
Irvington	Breckinridge	646	31	69.5	− 0.8	98	5	43	19	35	4.20	+1.31	1.47	0	6	13	5	12	sw.	Caroline Grubbs.
Junction City	Boyle	965	35	70.6	+ 1.3	95	1†	43	19	48	3.68	+0.62	1.50	0	13	16	8	6	se.	L. J. Vanhook.
Lawrenceburg	Anderson	1032	3								5.31		1.35	0	11					H. R. Willis.
Lawrenceburg	Garrard	635	33	70.4	+ 0.6	94	5	42	19	37	3.40	−0.07	1.45	0	8	14	8	8	e.	U. S. Weather Bureau.
Leitchfield	Grayson	989	45	68.2	− 0.3	90	2	40	19	29	4.35	−1.28	1.42	0	13	12	11	7	sw.	Horace Cantor.
Lexington	Fayette										4.50	+2.65	2.00	0	12					Andrew J. Keenan.
Little Dickman, Lock 8	Jessamine	523	18								4.36	+1.47	0.86	0	10					U. S. Weather Bureau
Lockport, Lock 2	Henry	476	19								3.21	+0.43	0.84	0	12	10	11	9	n.	Wm. I. Hunt
Louisville	Jefferson	525	56	69.2	− 1.3	91	2	43	19	34	4.05	+0.93	1.49	0	10	12	9	9	e.	A. G. Hubbard.
Do, Cherokee Park	Do	534	19	67.8	− 1.5	88	2†	41	19	33	2.75	+0.67	1.09	0	5					Sisters of Loretto
Munfordville	Hart	669	4								3.73	+0.73	1.02	0	9	17	1	12		Ernest B. Searcy.
St. John	Hardin	777	33	67.4	− 1.9	94	5	39	19	47	4.18	+0.96	1.70	0	7					E. B. Wilson.
Salvisa, Lock 6	Mercer	490	15								6.40	+3.77	1.26	0	11	9	9	12	ne.	Miss Ruth Batta.
Scott	Kenton	900	31	67.9	− 1.2	91	3†	38	19	37	5.39	+2.67	1.94	0	14	12	4	14	s.	E. D. Bourne.
Sedalia	Calloway	476	19								5.91	+2.68	1.44	0	11	13	6	11	n.	H. R. Vaughn.
Shelbyville	Spencer	489	27	68.4	+ 0.4	90	3	38	19	34	5.63	+2.65	1.45	0	13					Miss Nettie B. Simpson.
Tyrone, Lock 5	Anderson	526	11								5.01	+2.05	1.10	0	12	13	8	9	w.	H. J. Lewis.
Williamstown	Grant	943	26	68.8	+ 0.2	95	6	37	19	40	2.28	−0.63	0.67	0	9					
Woodbury, Lock 4	Butler	534	12																	
Eastern Division.																					
Ashland	Boyd	534	12	69.0	− 1.4	93	4	42	19†	34	3.06	+1.15	0.72	0	10	15	0	15	se	Curtis Curvis.
Beattyville	Lee	650	25	68.0	− 1.8	94	6	36	19	44	5.62	+1.95	1.02	0	15	16	5	15	nw.	Robert S. Smallwood.
Berea	Madison	1070	27	70.0	+ 0.7	95	5	39	19	39	3.83	+0.97	0.93	0	12	11	4	15	se.	Chas. C. Graham.
College Hill, Lock 11	Madison	701	19								4.59	+1.68	1.50	0	12					Rody Braden
Cumnock	Harrison	684	11								7.07	+3.46	1.93	0	11					C. H. Kelsoe.
Ivyton	Pike																			James Sowards.
Jenkins	Letcher										3.29	+0.85	0.77	0	11					J. V. Oldham.
Paintsville	Johnson	660	40								5.04	+2.04	1.13	0	9	16	8	6	e.	Mrs. R. F. Stamper.
Salyersville	Magoffin	668	21	66.2	− 2.6	91	3	35	20	45	5.63		1.20	0	10					C. A. Glascock
Flemingsburg	Fleming	841	4								4.81	+1.17	1.84	0	11					John L. Withers.
Grand Tower, Ill.	Perry	595	15								5.58		1.29	0	11					Ed Frank Powers
Grayson	Carter	599	4								2.40	+0.03	0.99	0	10					T. Mitchell.
Greenup, Dam 30	Greenup	540	9								5.56		1.76	0	12	12	12	6	sw.	W. W. Diabello
Harlan	Harlan	1197	1	71.3		94	2	43	19	39	4.46		1.21	0	12					Chas. O. Bing
Hazard	Perry	869	5								5.93	+1.92	0.91	0	13					S. C. Cone.
Heidelberg, Lock 14	Lee	664	12								5.71		1.16	0	12					E. R. Davidson
Jackson	Breathitt	1586	4								3.64	+0.42	0.78	0	9					Russian Cordley
Louisa	Lawrence	588	25																	L. L. Mainwaring.
Manchester	Clay										4.45		1.46	0	14					
Maysville	Mason	501	32	68.4	− 1.3	94	3	37	19	41	5.85	+2.35	1.23	0	13	13	6	11	s.	Perry E. Perrell
Morehead	Rowan	1028	33	66.1	+ 0.2	92	4	39	19	39	4.83	+1.96	1.16	0	9	19	19	1		Mrs. W. Goodman
Mount Sterling	Montgomery	930	30	68.4	− 1.6	90	3	39	19	40	4.26	+1.32	1.46	0	12	15	4	11	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	7								6.00		1.45	0	11					Andrew M. Stanforth.
Pikeville	Pike	650	22								2.82	−0.78	0.85	0	7					Robert Reppas.
Proctorville	Lawrence	600	4								2.83		0.63	0	10					E. C. Hill.
Quicksand	Breathitt	740	4								4.33		0.90	0	12					R. W. Jones
Quicksand	Breathitt	730	4	68.6		94	5†	36	19	40	4.33		0.90	0	12					Walter P. Bush.
Rockhold	Leslie	641	11								5.62	+1.92	1.75	0	11					J. W. Crooke
Salyersville	Magoffin	700	38	71.5	+ 1.0	94	2	40	19	36	3.74	+0.99	1.26	0	11	16	3	11		Irving Sullivan.
Sandy Hook, Lock 4	Elliott	580	15								7.01	+3.68	2.60	0	12					H. M. Lemons.
Vanceburg, Dam 32	Lewis		14								3.30	+0.28	0.84	0	9					H. E. Zimmerman.
Warfield	Martin	1147	4								3.97		1.45	0	8					
Williamsburg	Whitley	870	32	70.4	− 0.1	95	7	39	19	42	5.04	+1.70	1.80	0	6	20	3	2		Lawrence B. Uhl.
Wilmore	Jessamine	1000	4								4.35	+0.74	0.85	0	10					Jessie Hicks.
Wolf Creek, Lock 12	Lee	611	10								4.08	+1.86	2.82	0	11	13		9	s.	
State average and range				69.5	− 0.9	97	5	35	20	48										

Averages of climatological data for the State as a whole are computed only for such stations as have ten or more years of record, but all complete reports are published from all stations. Departures from normal temperature and precipitation are computed only for such stations as have records for the same length of time as the normals. Dates in determining section or division means

Reference letters, a, b, c, etc., appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oak.

Additional dates. †Frequent dates to be included in means and summaries. ‡ Precipitation is less than 0.01 inch. Red House Ky. ? Scott, Independence, Ky.

¶ Post-office addresses.—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House Ky. ? Scott, Independence, Ky.

MISCELLANEOUS.

Scattered damage from wind occurred in other northeastern counties as far east

Sept. 5. A woman who had taken refuge in a barn near Auburn was killed by Mason. A farmer was killed by lightning while in his barn near Mt. Sterling.

Sept. 7. In Montgomery County three barns were destroyed by wind. A barn was Scott, s. At least one Kentucky wife was killed when lightning struck the kitchen

which she was at work.

destroyed by lightning in Montgomery County. Other buildings

Sept. No important changes occurred in river stages during month.

Daily Precipitation for September, 1929.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Western Division																															
eaver Dam	G							10	1.20	.15			.50	.42			.40			.04				.65	.20				.25	
alboun	G		T		.03	.01	1.55	.88	.11	.12		1.05	.20	.83			.90			.02	T			.15	.05				.24	
arlington	G					1.52	2.40	.03	.72				.98	.80			.02			T	.03			.12	.05				.24	
ords Ferry, Dam 50	O				.40	1.61	.87	1.02				1.48	.70				.34			.06	.03			.22	.20				.42	
owsville	G				.30		1.58	T	.63		.45	.82		.40										.28	T				.52	
opkinsville	C				.05	.19	.02	.23	.04	.41			.30	.44			.20							.28					.02	
uvalasville	M		.21		.22	.40	.78	.58	.27	T		1.69	.82	.63			T			T				.44	.02					
arion	O				T		2.82	.90	T			.95	.10	.97			.42			.10				.41						1.13
ayfield	M						1.05		.22				1.87											.22	T				.13	
urray	T		.92		.26	.51	1.90		.18			.52	.40											.65						
ewsboro	O					T	.58	.82	1.22	.12		T	1.29	.68			.66			.10	T		.52	T						
ewsboro, Dam 46	O					.15	.90	1.40	.86	.03		T	1.26	.69			.66			.09				.48	.10						
ewsboro (near)	O		.05		.24	.38	2.50	.20	.40			1.65					.66							.65	.10				.20	
ineton	G					.13	2.20	.23	2.40	.22		T	1.65	.50										.42						
ussey, Lock No. 2	G	.01		.13	.02	.53	1.18	.77	.42			1.04	.46	.48		T				T				.58	T					
sellville	G					.03	.95	.62	.88	.66		.02	1.26	1.03			.78			T				.20						
ontown, Dam 49	O								.03	.05			1.55	.15			.29			.03				.60	.02				.46	
Central Division						.34	.83	.60	2.98	.30			.72	.40			.28			.10				.13	.17					
dison, Dam 45	O					T	.52	.71	1.02	.04		T	.70	.85			.95			.01				.22	.15				1.05	
chorage	O			T	.12	.27	1.21	.75	.05			.12	.35	.73		.01	.20							.02	.05	T	T		.10	
rlstown	S						.04	.20	1.52	.11			.66	.92	.15		1.32								.03					
wling Green	G					T		.11	.18				1.50	.30		T	.28			T					.05		.03			
wling Green, No. 2	G						.29	T			.37		1.25	.22			.23							.10	.15		.02		T	
ownsville, Lock No. 6	G					.01	.58	.26	.08				.12	.08			.73			.04				T	.28	T				
nside	C				.02	.88	.03	.02	2.01	1.02	.21	T	.66	.12	.42	.25	1.40	.03						.04	.15					
dd Spring, Dam 36	O					.68	.76	.93	.09				.57	.47			.34								.52	.21	T		.03	.02	
x Dam, Burgin	K				T	.16	.03	.35	2.03	1.52			.50	.65	T		1.10	T								.26	.02				
bank	C				.2		2.30	.03				1.90	.09	.20		.50								.33	.18	T			.05	
nkfort	K				.21			.45	.33				.61	.78			.22							.06	.12	.03		.05			
nklin	G			T	.28	.18	T	1.18	.72				.37	.35	.05		1.44								.02	.12			.09		
d. Lock No. 3	K				T																			.03	.08	.18			T	
unt. Dam 33	O				T		.04	1.54	.76	.03			.38	.58			1.66			T										
ensburg	G				T	.50	.03	.29	1.05	1.37	T		.58	.44			.18	T						.05	.05				1.14	
h Bridge, Lock No. 7	K				.02		.05	.02	.08	.08			1.35	.07	.06		.37	T						.13	.02	.07	.03			
nston	O				.06	.05			.34				1.20	.10	.15		.81							.06	.03	.07			.07	
ction City	K			T	T	T	1.47	1.45				.19	T	.69	T	T	.25			T				T	T	T	.05		1.04	
easter	K		T				.01	.21	.75	.01		.76	1.50	.21		.01	.68	.02					T		.02	.09	.05		T		
hfield	K				.66	.11	.35	.05	.75				1.35	.12			.27							.08	.01				.03	
ington ***	K			T	T	T	.65	1.47	T			.25		.75		.05				.10				.02	.14				1.20	
e Buckman, Lock No. 8	K		.03	.27		.18	1.47	T	.05			.70	.80	.22		.39	.21	T						.10	.05					
ckport, Lock No. 2	K		.21		1.32	.05	1.37	.06				2.06	.10	.13		.23								.02	.28	.06		T	T	
rsville	O				T	.28	.11	.63	.48				.38	.65			.71								.10	.12	T		.38		
o. (Cherokee Park)	O				T	T	1.49	.45		.22		.11	.14	.41	.50		.07	.02		T				T	.02	.03			.05		
ndenville	G							.62					1.05	.22			.10			T				T	.03		.04		.06		
ssa, Lock No 6	K					.02	1.02	.65	.24				.53	.40			.89												.72		
t	L				.24		.18	1.70					.80	.20		T								T	.02				.16		
byville	L		T	.28	T	.20	1.26	.48	1.18		.10	.53	.54		.51	.02									T	.18		T	.45		
rsville	S			.02	.01	.46	1.04	.40	.55			.39	.21	.15		1.13	.03							.46	T			T			
one, Lock No. 5	K		T		.01	.82	.43	1.44	.23		.08	.87	.40		1.21	1.23								T	.03		.09		.09		
nstown	L		.60	.38	.70	.40	1.43	.24			.72	.24	.06		.36									T	.03						
dbury, Lock No. 4	G			T		.67	.02	.85	1.10	.24			.50	.82	.14		1.02							.15	.26		.10				
Eastern Division														.60			.89							.22	.28		.17				
land	O																							.12	.28	.03					
tyville	K					.18	.42	.41	.27			.10	.18	.20		.52										.03		.72			
a	K		T			.41	1.02	.80	.06	.21		.48	.16	.50	.10	.64	.01							.79	.38	.03		.07			
ge Hill, Lock No. 11	K		.9			.67	.54	.57			.68	.92	.27		.20									.80	.04		.25	.43			
hange	L		T		T		1.38	1.62	.12			1.88	.10	.12	T	1.05								.50	.25	.10		.08			
nton	B					.10	.38	.52				.25	.15		.25	.10	.03							.22	.42	.21		.02			
nouth	L																														
ners	L						.42	.27				.70	.25	.02	.02	.36								.23	.16			.31			
ton	L					.14	1.11		.29			1.18	.18		.99	.12									.57			1.12			
Lock No. 10	K				.25		.76	.70				1.30	.15	.26		.62															
son	O		T	T		.24	.22	1.83	.01			1.04	.11	.18	T	.24								.76			.06				
nap, Dam 30	O					.07	.27	.25	.67				.74	.15	.17	.19	.12							.48	.14	T		.20			
an	C					.49	.46	.26	.11				.15	.13	.57	.02	.16								.11			1.29			
ard	K				.65	.71	.72	.05	.53				.23	T	.48	.49	.14								.14						
lberg, Lock No. 14	K			T		1.23	.27	.50	.09			.08	.40	.08	.08	.08								.20		.20	.28				
Inst	K					.02	.91	.76	.06			.58	.15	.42	.23	.47									.58	.06					
ss	B					.77		1.16	.38	.04		.02	.52		.20	.50	.22							.85	.34	.02		.34			
chester	K					.07	.55	.28	.68				.22	.10	.15	.44									.12	.14			.04			
ville	K				.08	.44	.04	.49	.37	.02	.11	.04	.42	.02	.12	.41													.21		
lesboro	C				.04	1.02	.27	.99	.67			1.23	.03	.22		1.03								.25	.40						
nt Sterling	L				.08		1.04	.69	.16				.42		.21									.03	.34	.02		.05			
nita Dam 25	O				.10	.38	.23	.72	.35			1.03	.25		T	.20								1.10	.41						
ville	B		T		.02	.06	.23	.04	1.55			.40	.70	T		.05								.05	.04	.07		.15			
nsburg	B		T				.08	.32	.12			T	.10	.05		.12								.20	.10			.08			
ksand	S					.20	.51	.04	.58	.24			.10	.05		.28									.12	.08		T	.12			
nna, Lock No. 12	K						.27	.16	.12	.24	.05		.12	.46	.14	.36									.26	.08						
mond	K			T		.59	.24	.55	.4				.58	.58	.18	.16	.44	.10						.54					.06			
y View, Lock No. 9	K		T		.06	.10	.85	.14				1.35	.35	.12		.66								T	.70	T			.10			
sburg, Dam No. 32	O		.01	.02	1.70	.25	2.0	.10				1.66	.12	.60		.70								.42	.26				.06		
esburg	K						.17	.35	.58			.8	.07	.30										.80					.20		
ansburg	C		.18			.21	1.45	1.01	.33							.60	.14							.62	.18				.08		
w Lock No. 13	K		T		1.56	.71	.10	.26				.31	.56			.20									.10						
					.26	.50	.06	.20				.26	.50			.60								.55	.36				.50		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24 hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ^ Precipitation included in the next following measurement

Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which section is located is indicated as follows: (B) Big Sandy (L) Licking (K) Kentucky (S) Salt (G) Green (C) Cumberland (T) Tennessee (O) Ohio (M) Mississippi

¶ Long Oak

Daily Temperatures for September, 1929.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	95	96	95	93	97	92	84	96	89	82	78	78	78	75	80	84	80	72	71	71	78	86	88	77	79	82	89	90	90	80	...	81.0
	Minimum	53	61	60	62	67	69	68	69	71	63	59	54	59	56	51	52	56	58	60	61	47	42	48	64	64	62	65	63	64	64	...	58.1
Calhoun	Maximum	92	91	91	93	91	90	82	89	87	81	73	69	76	72	76	79	78	74	69	65	72	77	82	74	78	81	84	86	89	77	...	80.2
	Minimum	58	72	61	66	72	69	69	70	68	61	56	57	58	57	46	55	55	50	45	51	53	54	51	66	66	61	65	66	66	64	...	60.5
Darlington	Maximum	93	92	93	90	92	85	83	81	88	81	76	73	76	74	79	80	79	80	70	68	74	78	83	75	75	84	89	83	88	70	...	81.0
	Minimum	58	67	61	65	70	70	70	69	67	62	51	55	60	58	42	52	55	50	50	53	49	47	50	66	67	63	68	63	63	63	...	59.0
Greenville	Maximum	93	93	92	90	91	87	82	84	86	78	73	76	...	75	74	80	79	80	70	67	73	76	81	74	75	80	86	89	87	78	...	*80.9
	Minimum	48	60	59	61	61	68	68	65	64	62	52	56	...	59	41	52	55	50	40	51	48	47	49	63	63	64	65	62	63	62	...	54.7
Hopkinsville	Maximum	96	95	92	93	92	88	85	84	89	81	80	76	78	77	83	82	84	75	76	73	80	83	86	76	79	86	89	92	89	80	...	84.1
	Minimum	62	66	61	62	66	69	68	69	62	48	55	59	58	40	54	55	49	43	52	48	47	50	60	62	63	65	62	61	61	61	...	58.2
Lovelaceville	Maximum	89	88	88	87	87	84	77	78	85	72	71	69	78	75	78	85	81	68	73	67	73	79	82	74	80	81	84	85	82	81	...	79.9
	Minimum	65	69	64	67	71	68	70	70	61	56	56	60	58	59	56	56	54	51	48	43	54	52	52	61	60	61	64	65	62	61	...	60.3
Marion	Maximum	89	87	89	87	86	84	77	77	85	80	74	69	76	73	75	79	76	72	74	68	73	76	81	74	78	81	83	83	86	82	...	79.1
	Minimum	64	70	68	66	69	67	68	69	69	59	54	55	55	56	49	60	61	48	45	51	52	51	53	65	65	62	64	68	67	62	...	60.4
Mayfield	Maximum	...	94	93	90	90	87	82	84	88	86	79	78	80	80	82	80	78	75	74	82	83	85	78	82	87	89	86	92	89	...	...	*83.7
	Minimum	...	64	62	64	67	68	67	70	68	60	51	55	59	56	43	56	53	45	51	51	51	45	51	66	65	62	64	65	64	64	...	*58.6
Murray	Maximum	95	92	93	90	91	85	80	87	90	77	77	74	75	79	80	84	80	68	73	76	79	80	87	78	81	86	87	88	91	75	...	83.0
	Minimum	58	66	57	60	63	67	67	69	68	63	54	58	60	59	41	52	56	49	43	52	48	44	49	62	62	62	64	62	62	56	...	56.9
Owensboro	Maximum	96	94	96	94	95	91	86	86	88	82	78	77	78	77	80	84	80	72	73	74	80	83	87	80	83	86	89	90	92	80	...	82.9
	Minimum	67	68	68	68	71	65	68	67	65	64	58	58	56	55	55	55	53	51	51	47	48	49	49	59	62	63	62	62	64	62	56	57.0
Owensboro (near)	Maximum	93	95	93	91	90	85	82	85	88	76	80	66	81	78	82	84	79	74	75	76	81	82	86	75	82	86	88	87	90	79	...	82.5
	Minimum	65	68	62	64	69	68	68	69	68	60	55	56	59	55	49	47	55	49	43	51	54	54	61	61	65	62	62	67	67	65	62	59.4
Paducah	Minimum	65	68	62	64	69	68	68	69	68	60	55	56	59	55	50	49	47	45	49	52	54	54	57	64	65	63	65	64	65	64	62	58.9
	Maximum	90	89	88	88	86	85	76	81	85	77	73	69	76	74	75	79	76	76	76	74	77	80	75	79	85	88	87	85	85	76	...	82.5
Princeton	Minimum	64	64	63	64	63	70	68	70	68	63	56	58	60	58	43	55	56	51	44	56	52	51	55	66	66	65	65	65	64	64	...	60.7
	Maximum	94	95	90	91	94	91	82	89	88	78	80	85	79	72	81	79	78	68	71	70	71	77	82	78	77	82	87	89	89	72	...	81.8
Russellville	Minimum	61	61	63	61	67	70	69	71	71	65	47	55	62	60	43	55	59	50	58	52	52	49	49	52	65	62	65	63	64	64	64	59.5
Central Division.																																	
	Maximum	89	90	88	87	91	87	83	76	83	76	76	74	75	67	72	76	73	66	68	66	72	78	83	72	74	79	84	85	84	66	...	77.4
Anchorage	Minimum	49	58	56	63	64	66	67	68	70	66	53	53	50	50	42	49	53	43	40	50	48	48	51	61	66	62	59	62	62	56	...	55.8
	Maximum	95	95	95	91	95	91	82	86	88	82	77	82	79	78	80	77	75	67	69	70	76	77	86	78	76	81	93	90	88	75	...	82.5
Bardstown	Minimum	50	59	57	65	66	69	69	70	71	67	54	55	61	58	42	53	57	48	46	48	50	48	51	61	65	62	63	63	63	63	...	58.1
	Maximum	95	95	93	94	94	93	88	92	91	83	85	80	83	76	86	85	78	76	78	80	86	85	88	75	82	86	88	87	90	79	...	85.5
Bowling Green	Minimum	58	64	61	64	66	70	70	70	70	69	52	58	61	59	50	57	61	56	42	50	50	50	58	65	64	66	64	65	66	65	...	60.4
	Maximum	93	95	92	86	93	92	86	86	89	73	81	76	76	78	77	79	74	66	68	74	72	82	86	74	85	91	90	90	90	70	...	81.5
Dix Dam	Minimum	51	68	57	69	65	69	69	69	71	68	54	54	64	59	45	54	60	50	43	52	52	48	52	62	67	66	64	62	62	62	...	59.3
	Maximum	92	94	86	88	94	92	87	90	85	79	78	77	77	77	80	77	78	67	70	71	77	79	84	78	77	82	87	88	87	75	...	82.4
Eubank	Minimum	51	53	54	66	63	66	66	66	70	69	50	52	62	60	40	53	62	50	40	50	48	45	58	63	66	66	61	57	62	63	...	57.1
	Maximum	88	90	91	89	90	88	84	84	81	80	83	75	79	78	77	78	73	75	74	64	68	73	73	81	80	77	81	85	86	85	75	80.1
Frankfort	Minimum	49	60	59	65	67	70	70	70	70	66	51	56	63	60	45	52	58	50	43	51	48	49	51	61	67	66	64	63	64	61	...	59.1
Franklin	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Greensburg	Maximum	93	92	92	85	94	93	87	91	91	83	78	88	81	76	77	78	78	70	69	70	72	76	83	77	77	79	89	90	90	76	...	82.6
	Minimum	52	55	54	67	65	65	67	69	71	69	47	53	61	61	42	51	61	54	39	53	46	45	49	62	62	65	61	61	64	63	...	58.0
Irvington	Maximum	91	92	90	90	93	87	82	78	85	80	71	73	76	70	75	78	76	70	65	64	72	74	81	75	76	79	84	86	86	70	...	78.9
	Minimum	57	57	58	66	70	71	71	70	72	63	55	57	61	58	46	59	57	50	43	52	50	51	53	62	65	65	68	68	66	66	...	60.1
Junction City	Maximum	96	95	93	96	95	93	86	91	90	82	78	84	79	75	79	79	80	68	69	72	76	75	86	80	77	81	90	92	92	72	...	82.5
	Minimum	48	47	54	66	64	67	66	66	69	60	49	48	61	56	46	56	61	54	48	54	52	51	53	63	70	68	65	68	67	62	...	58.8
Lebanon	Maximum	93	93	91	92	94	93	89	89	87	77	77	77	80	78	78	78	78	69	67	70	74	77	84	74	76	79	87	89	87	79	...	81.2
	Minimum	56	66	64	64	69	69	69	69	70	65	54	57	60	58	44	55	56	53	42	50	50	50	54	64	64	65	66	67	67	62	...	59.7
Lebanon Junction	Maximum	88	90	89	88	88	87	82	80	84	74	69	78	72	70	74	75	73	66	62	65	71	70	81	75	75	78	87	88	81	66	...	77.3
	Minimum	59	67	68	66	65	70	68	67	68	60	53	52	62	55	49	61	56	48	40	48	47	49	55	60	65	64	67	66	66	59	...	59.1
Lexington	Maximum	99	91	88	86	91	86	75	76	85	74	73	73	74	69	75	77	75	69	64	66	73	74	83	76	77	81	87	88	87	74	74	80.8
	Minimum	56	68	66	69	71	71	71	70	72	69	57	59	62	56	50	58	58	49	43	52	48	51	53	61	67	67	66	67	66	65	54	60.0
Louisville	Maximum	86	88	85	85	88	85	80	75	80	73	72	73	73	72	75	79	72	64	68	71	72	74	78	71	72	80	79	75	78	81	84	77.4
	Minimum	66	62	60	65	67	69	69	68	70	62	54	56	59	57	45	52	56	48	41	50	47	45	50	61	65	68	68	64	61	63	61	59.8
Do (Cherokee Park)	Maximum	86	88	85	85	88	85	80	75	80	73	72	73	73	72	75	79	72	64	68	71	72	74	78	71	72	80	79	75	78	81	84	77.3
	Minimum	66	62	60	65	67	69	69	68	70	62	54	56	59	57	45	52	56	48	41	50	47	45	50	61	65	68	68	64	61	63	61	59.8
Shelbyville	Maximum	93	93	91	91	90	90	79	83	87	77	73	79	78	76	77	74	75	64	65	69	73	73	78	73	75	78	81	84	83	77	77	79.8
	Minimum	56	66	64	64	69	69	69	69	70	65	54	58	59	57	47	52	55	44	38	46	45	42	47	60	62	62	64	62	61	60	56	57.7
St. Joseph	Maximum	96	96	93	93	95	91	84	87	89	81	78	79	79	78	80	84	80	72	73	74	80	83	86	78	79	82	89	90	90	78	...	83.4
	Minimum	58	67	68	66	68	70	68	67	68	60	53	52	62	55	49	61	56	48	40	48	47	49	55	60	65	64	67	66	66	59	...	59.1
Sharpsburg	Maximum	99	91	88	86	91	86	75	76	85	74	73	73	74	69	75	77	75	69	64	66	73	74	83	76	77	81	87	88	87	74	74	80.8
	Minimum	56	68	66	69	71	71	71	70	72	69	57	59	62	56	50	58	58	49	43	52	48	51	53	61	67	67	66	67	66	65	54	60.0
Shelbyville	Maximum	93	93	91	91	90	90	79	83	87	77	73	79	78	76	77	74	75	64	65	69	73	73	78	73	75	78	81	84	83	77	77	79.8
	Minimum	56	66	64	64	69	69	69	69	70	65	54	58	59	57	47	52	55	44	38	46	45	42	47	60	62	62	64	62	61	60	56	57.7
Taylorsville	Maximum	96	96	93	93	95	91	84	87	89	81	78	79	79	78	80	84	80	72	73	74	80	83	86	78	79	82	89	90	90	78	...	83.4
	Minimum	58	67	68	66	68	70	68	67	68	60	53	52	62	55	49	61	56	48	40	48	47	49	55	60	65	64	67	66	66	59	...	59.1
Williamstown	Maximum	91	91	94	85	95	90	81	86	86	78	75	80	73	72	76	76	77	68	73	76	77	78	79	66	77	76	83	84	84	75	75	79.8
	Minimum	51	58	61	65	66	66	66	68	68	63	59	59	59	56	43	51	54	43	37	46	43	41	49	57	64	65	62	63	63	59	...	56.6
Eastern Division.																																	
	Maximum	83	87	90	95	90	92	93	89	85	87	83	80	82	78	74	74	78	78	64	68	68	70	76	80	82	78	78	80	80	78	...	81.0
Ashland	Minimum	51	53	58	65	61	66	69	68	69	71	55	58	61	61	46	54	60	50	42	48	49	48	54	61	62	62	64	62	62	64	...	57.1
	Maximum	84	93	90	86	93	93	89	84	84	75	81	76	77	76	77	77	77	67	67	70	75	81	86	77	77	84	88	85	87	71	...	80.4
Beattyville	Minimum	47	51	51	64	60	64	67	65	66	61	48	50	58	54	38	48	53	43	37	44	41	40	46	59	61	60	62	60	59	62	...	53.5
	Maximum	92	94	96	93	92	92	87	88	81	77	80	76	77	77	77	77	77	67	67	70	75	81	86	77	77	84	88	85	87	71	...	80.5
Berea	Minimum	52	63	63	69	64	70	66	66	69	66	51	61	62	58	43	53	58	49	39	50	45	42	54	64	66	68	69	64	65	68	...	58.3
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bolton	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maximum	86	90	91	85	90	90	89	83	87	79	73	81	74	72	78	77	76	69	69	68	72	73	80	77	81	86	86	87	71	...	...	80.1
Farmers	Minimum	41	48	50	60	59	61	64	61	65	56	47	46	50	46	38	45	48	35	35	38	34	36	42	53	54	53	54	53	52	54	...	49.3
	Maximum	84	91	91	86	93	94	92	90	88	82	85	78	77	76	81	78	81	70	73	74	77	81	86	78	78	84	88	86	90	79	...	82.8
Flemingsburg	Minimum	47	51	51	62	62	65	68	66	66	61	48	50	56	52	37	46	51	42	36	43	41	40	46	58	59	58	60	58	56	58	...	53.6
	Maximum	86	88	90	87	91	92	89	81	86	78	79	78	77	77	77	77	77	67	67	70	75	81	86	77	77	84	88	85	87	71	...	80.5
Frankfort	Minimum	49	60	59	65	67	70	70	70	70	66	51	56	63	60	45	52	58	50	43	51	48	49	51	61	67	66	64	63	64	61	...	59.1
	Maximum	87	89	89	87	91	92	89	84	84	75	81	76	77	76	77	77	77	67	67	70	75	81	86	77	77	84	88	85	87	71	...	80.4
Maysville	Minimum	51	53	57	62	60	65	64	65	66	58	50	49	52	50	40	50	50	44	39	46	44	42	48	58	59	58	60	58	56	58	...	53.4
	Maximum	85	92	89	87	91	94	93	91	91	83	85	80	78	78	78	78	78	69	69	71	76	78	84	79	79	86	90	88	89	73	...	82.4
Morehead	Minimum	47	52	54	59	58	62	62	62	65	56	46	46	49	46	36	46	46	40	36	42	40	39	44	56	56	56	58	56	54	56	...	51.4
	Maximum	84	90	89	86	91	93	90	88	86	78	81	76	76	76	76	76	76	67	67	70	74	78	84	77	77	84	88	85	87	71	...	80.1
Mount Sterling	Minimum	47	53	57	62	60	65	64	65	66	58	50	49	52	50	40	50	50	44	39	46	44	42	48	58	59	58	60	58	56	58	...	53.4
	Maximum	85	92	89	87	91	94	93	91	91	83	85	80	78	78	78	78	78	69	69	71	76	78	84	79	79	86	90	88	89	73	...	82.4
Owingsville	Minimum	47	53	57	62	60	65	64	65	66	58	50	49	52	50	40	50	50	44	39	46	44	42	48	58	59	58	60	58	56	58	...	53.4
	Maximum	84	90	89	86	91	93	90	88	86	78	81	76	76	76	76	76	76	67	67	70	74	78	84	77	77	84	88	85	87	71	...	80.1
Paris	Minimum	51	56	59	63	61	66	67	66	67	61	51	54	56	54	43	53	54	46	41	48	46	44	50	61	62	61	63	61	59	61	...	56.1
	Maximum	88	89	87	87	91	92	89	84	86	78	79	78	77	77	77	77	77	67	67	70	75	81	86	77	77	84	88	85	87	71	...	80.4
Sharpsburg	Minimum	51	56	59	63	61	66	67	66	67	61	51	54	56	54	43	53	54	46	41	48	46	44	50	61	62	61	63	61	59	61	...	56.1
Spencer	Maximum	84	92	89	87	91	94	93	91	91	83	85	80	78	78	78	78	78	69	69	71	76	78	84	79	79	86	90	88	89	73	...	82.4
	Minimum	47	53	57	62	60	65	64	65	66	58	50	49	52	50	40	50	50	44	39	46	44	42	48	58	59	58	60	58	56	58	...	53.4
Versailles	Maximum	84	90	89	86	91	93	90	88	86	78	81	76	76	76	76	76	76	67	67	70	74	78	84	77	77	84	88	85	87	71	...	80.1
	Minimum	51	56	59	63	61	66	67	66	67	61	51	54	56	54	43	53	54	46	41	48	46	44	50	61	62	61	63	61	59	61	...	56.1
Williamsburg	Maximum	82	92	94	85	94	94	93	91	91	83	85	80	78	78	78	78	78	69	69	71	76	78	84	79	79	86	90	88	89	73	...	82.4
	Minimum	52	56	59	63	61	66	67	66	67	61	51	54	56	54	43	53	54	46	41	48	46	44	50	61	62	61	63	61	59	61	...	56.1

(Underscored figures in the temperature: the maximum temperature then read is charged to the preceding day, on which it also always occurs.
* Indicates temperature below 0. ... indicates data missing from report.)

THE LIBRARY OF THE
DEC 2 1929
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION
JAMES L. CANDLER, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., OCTOBER, 1929 No. 10

GENERAL SUMMARY.

Dry weather during the first three weeks favored the completion of most fall work, and accelerated the maturity of late crops. Prevailing low temperature, however, had a retarding tendency on growth and ripening. Corn in shock dried out thoroughly, permitting gathering to begin by the middle of the month; but the prolonged rainy spells of the last decade delayed this work and prevented most other outdoor activities. Toward the end of the long dry period soil moisture became so depleted as to seriously interfere with plowing and seeding. During the first decade germination and growth were generally satisfactory, but grain sown later sprouted irregularly or lay in the ground until the rains of the 20th. These rains came in time to prevent much grain from perishing after sprouting and to bring up the later sowings early enough for deep rooting before winter. In the period following the rains winter grains made good progress, which was stimulated by temperatures above normal in the last week. Although somewhat undersized, wheat showed an excellent stand and was growing vigorously at the end of the month. There was no general killing frost. Temperatures fell to freezing or slightly lower at some northern stations in the period 24-26th, with killing frosts on lowlands; and heavy frosts in most of the northern half of the State. On uplands nearly everywhere growth continued throughout the month, retarded at times by spells of subnormal temperature. The extension of the growing season beyond the usual limits permitted late potatoes and much late corn to reach maturity. Gardens continued to produce some vegetables such as beans and tomatoes until the end of the month. Pastures had again become short and the growth of grass had practically ceased because of the long dry spell. They revived slowly, delayed at first by low temperature but benefited later by several warm days. They developed sufficiently to provide fairly good grazing and considerably reduce the feeding requirements.

TEMPERATURE.

Reports from 43 stations gave a temperature average for the State of 56.4°, which is 1.8° below the October normal. Abnormally cool weather prevailed in the 5-days period at the beginning of the month and of the third decade, otherwise temperatures were generally variable with no marked departures from the normal. At many stations in the central and western counties freezing temperature was not recorded during the month. The extremes for the State were 85° on several days at several western stations, and 25° at Farmers on the 18th.

PRECIPITATION.

The State average, based on reports from 84 stations, was 4.05 inches, which is 0.88 inch more than the October normal. It was light along the lower 38.5° and in some southeastern counties, where amounts ranged from 1.7 to 2.5 inches. A belt of heavier rainfall extended from north to south across the central counties, with monthly totals varying between 4.0 and 6.0 inches. Like amounts also occurred in the Big Sandy Valley and adjoining counties. Other districts received from 3.0 to 4.0 inches, and show a fairly good distribution of the month's rainfall. For the State precipitation ranged between 1.30 inches at Middlesboro and 7.23 inches at Jenkins. Only light and local showers occurred from the 1st to 19th. The heavy general rains of the 20th-23d included most of the month's precipitation. Light to heavy and somewhere local rains occurred in the period 28th-31st. Thunder storms were reported on the 20th and 21st, and snow flurries from some northern stations on the 24th.

PRECIPITATION AND WIND.

Stations	Atmospheric Pressure (in inches reduced to sea-level) Average	Highest	Date	Lowest	Date	Wind † Total movement	Mean hourly velocity	Max. Velocity * Miles per hour	Date	Direction
Cairo ..... Ill.	30.05	30.37	11	29.73	28	3171	7.0	37	31	SE.
Cincinnati ..... Ohio	30.0	30.5	10	29.56	22	4.5	9.7	36	31	SW.
Evansville ..... Ind.	29.9	30.5	11	29.68	22	3732	8.4	30	10	SW.
Lexington ..... Ky.	30.08	30.48	11	29.45	22	8701	9.8	30	31	SW.
Louisville ..... Ky.	30.08	30.49	10	29.52	22	5.9	9.8	24	nw	21

*For any five minutes' period. †By 6-hourly observations beginning January 1, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Rel. Humidity. Noon.	Rel. Humidity. 7 p. m.	Sunshine. Total hours of Sunshine.	Sunshine. No. of hours possible.	Sunshine. Percentage of possible.	Number of days with: 80 per cent of hours.	Number of days with: 20 per cent or less.
Cairo ..... Ill.	83	57	64	201.9	348.1	58	16	10
Cincinnati ..... Ohio	85	58	65	176.1	346.1	51	8	9
Evansville ..... Ind.	89	65	69	198.6	347.3	57	13	10
Lexington ..... Ky.	79	59	..	194.1	347.3	56	8	10
Louisville ..... Ky.	81	56	64	215.0	347.3	62	14	7

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature. Monthly average.	Departure from 40 year normal	Highest	Lowest	Precipitation. Monthly average.	Departure from 40 year normal	No. of days with .010 or more rain.	Average Number of Days. Clear	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	52.0	−6.2	84	23	2.42	−0.35	..	..	..	..	..
1890...	55.7	−2.5	87	23	2.94	0.17	..	..	..	..	..
1891...	54.8	−3.4	92	21	0.78	−1.93	..	..	..	..	..
1892...	57.3	−0.9	86	16	6.51	+3.80	..	..	..	..	..
1893...	56.4	1.8	86	19	4.00	+1.23	..	..	..	..	..
1894...	58.6	−0.4	92	25	1.35	−1.41	5	..	..	..	..
1895...	52.2	6.0	80	14	1.24	−1.53	4	21	5	5	..
1896...	53.8	2.4	80	25	1.71	−1.06	5	18	8	6	..
1897...	62.2	+5.6	88	26	1.10	−1.67	4	23	3	5	..
1898...	57.1	−1.1	83	21	4.19	+1.42	10	12	9	10	T
1899...	61.3	+3.1	83	26	2.42	−0.35	5	18	8	4	..
1900...	61.5	+3.3	84	29	2.29	−0.48	5	16	8	6	..
1901...	54.1	−4.1	84	25	1.57	−1.20	4	22	6	3	..
1902...	60.1	+2.9	86	26	2.34	−0.43	5	18	7	6	..
1903...	57.7	0.5	86	19	2.22	−0.55	5	19	6	6	..
1904...	57.2	−1.6	83	20	5.52	+2.75	9	21	6	4	..
1905...	55.0	−1.2	80	25	4.95	+2.18	9	14	5	12	0
1906...	56.9	−1.3	91	20	1.51	−1.26	7	15	5	11	T
1907...	58.5	−2.7	91	29	2.97	+0.20	6	18	5	8	T
1908...	57.1	−1.1	82	20	0.71	−2.06	3	20	6	5	0
1909...	55.2	−3.0	84	18	2.11	−0.66	6	19	5	7	T
1910...	61.4	+3.2	85	17	4.45	+1.68	6	20	4	7	0.1
1911...	59.9	+1.7	84	27	3.71	+0.94	10	18	5	12	0
1912...	59.5	+1.3	82	28	1.42	−1.35	4	18	7	6	0
1913...	56.0	1.8	87	23	3.35	+0.75	4	14	5	12	T
1914...	59.7	+1.5	91	22	5.10	+2.33	8	13	8	10	..
1915...	60.6	+2.4	90	27	3.40	+0.63	6	18	7	6	0
1916...	57.6	−0.6	87	24	2.59	−0.18	6	20	5	6	T
1917...	51.3	−7.1	80	26	3.18	+0.41	7	14	8	9	0.1
1918...	62.3	+4.1	91	32	3.81	+1.06	8	13	7	11	0
1919...	55.6	+1.4	88	35	7.89	+5.02	15	8	8	16	0
1920...	51.6	−2.6	86	23	2.25	−0.42	6	4	7	20	0
1921...	57.1	1.1	89	24	4.31	+1.64	8	21	5	5	0
1922...	58.2	0.1	86	24	3.21	−0.46	6	20	6	5	0
1923...	55.5	1.7	89	19	1.68	−1.99	5	18	5	8	0.2
1924...	54.1	2.9	84	21	0.27	−2.50	1	25	3	3	0
1925...	55.1	0.8	88	15	2.60	−1.32	11	6	5	18	3.2
1926...	50.2	+1.1	84	25	4.42	+0.50	12	12	6	13	T
1927...	50.2	2.3	82	27	3.09	−0.16	4	20	4	7	..
1928...	54.6	+2.4	87	25	4.61	+1.16	8	17	5	9	0
1929...	56.2	1.8	85	25	4.05	0.88	8	14	5	12	1

Climatological Data for October, 1929.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	25	58.5	− 0.2	85	16	32	18	46	2.80	0.00	1.20	0	6	14	4	13	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	457	25	58.7	− 1.3	82	16	36	25	37	2.71	−0.68	1.55	0	9	10	8	13	se.	W. A. Taylor.
Earlington	Hopkins	420	39	58.5	− 1.1	82	16	36	18	44	2.85	−0.08	1.43	0	8	17	1	13	sw.	Brick Southworth.
Eddyville	Hopkins	366									1.76		1.09	0	7					P. H. McGinnis.
Ferris Ferry, Dam 50	Crittenden	519	12	57.4	− 1.9	81	16	32	25	44	3.35	−0.71	1.16	0	8	15	9	7	s.	C. R. Lovell.
Greenville	Muhlenburg	524	33	57.6	− 3.0	85	19	29	24	47	3.09	+0.05	0.89	0	8	13	1	16	se.	W. E. Graves.
Hopkinsville	Christian			57.6	− 3.0	85	19	29	24	47	1.60		0.44	0	8	13	6	12	sw.	B. Sallee.
Lineareville	Ballard			59.4		83	16	34	24	38	1.60		0.44	0	6	13	5	13	sw.	B. C. Paris.
Marion	Crittenden	571	31	59.0	− 1.1	80	16	34	25	32	2.51	−0.84	1.09	0	8	14[a]	4[a]	13[a]	nw.	Mrs. C. R. Sowell.
Mayfield	Graves	364	20	a60.6	− 0.4	84[a]	19	29[a]	24	39[a]	1.88	−0.77	0.87	0	8	13	7	11	s.	Harry B. Arnold
Murray	Calloway	412	3	57.3		83	16†	27	24	49	3.73		1.43	0	6	13	6	12	s.	Henry S. Berry.
Owensboro	Daviess	479	32	56.1	− 2.8	79	16	28	25	38	3.45	+0.21	1.39	0	8					George McGlemary.
Owensboro, Dam 46	Daviess	404	1								3.22		1.81	0	8					J. W. Lilley
Paducah (near)	McCracken	516	12	59.6	− 1.2	83	19	32	25	43	4.49	+0.50	1.42	0	8	19	1	11	se.	Frank L. Brown.
Paducah	McCracken	341	40								1.59	−1.44	0.96	0	6					Dr. W. L. Cash.
Princeton	Caldwell	529	22	57.7	1.4	81	16	32	26	39	2.62	+0.18	0.96	0	8	13	7	11	s.	Thos. L. Wetzell.
Ramsey, Lock 2	McLean	384	12								2.44	−1.27	1.35	0	6	11[i]	1[i]	10[i]	s.	Wm. Shelton.
Russellville	Logan	590	18	57.2	− 2.2	81[i]	26†	32[i]	24	42[i]	3.66	+1.18	1.27	0	4					H. R. Sale
Uniontown, Dam 49	Union	357	1								1.54		1.02	0	4					
Central Division.																				
Addison, Dam 45	Breckinridge	352	1								3.66		1.69	0	9					C. L. Moore.
Anchorage	Jefferson	700	28	51.2	− 2.6	80	19	32	24†	45	4.45	+1.40	2.89	0	9	18	2	11	se.	C. E. Barret.
Bardstown	Nelson	637	32	56.1	− 3.0	81	16	33	15†	46	3.12	−0.95	1.05	0	5	13	3	15	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	560	40	59.2	0.6	85	16	34	24	42	5.46	+2.74	2.21	0	8	11	10	10	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	4								4.39		2.24	0	6					Jas. R. Hines.
Brownsville, Lock 6	Edmonson	410	12								5.76	−2.07	2.86	0	8					Virgil M. Whallin.
Burnside	Pulaski	773	38								2.63	−0.40	1.09	0	7					T. A. Lewis
Carrollton, Lock 1	Carroll	422	30								4.69	+1.85	2.36	0	7					Shelby Angel.
Cold Spring, Dam 86	Campbell	459	3								3.27		1.33	0	8					Bert Ross.
Dix Dam, Bargan	Mercer	770	5	56.9		80	19	34	18	44	3.21		1.05	0	7	10	17	4	se.	G. D. Glass.
Eubank	Pulaski	1177	35	55.5	− 1.4	79	11†	31	18	47	2.48	−0.24	1.27	0	5	13	6	12	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	27	56.0	− 1.1	78	16†	34	18†	41	3.60	+1.00	1.30	T.	8	10	5	16	w.	Sidney Wood.
Franklin	Simpson	601	34																	M. E. Johnson.
Glasgow	Barren	780	8								3.56	+0.16	1.50	0	7					Albert Purvis.
Grnd, Lock 3	Henry	449	18								2.56		1.24	0	10					W. T. Dugan.
Grnd, Dam 38	Boone	780	8								5.78	+2.71	2.32	0	13	8	1	22	n.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	681	36	57.0	− 0.1	82	16	30	18†	48	3.09	+0.11	1.11	0	6					Miss Lith Wood.
High Bridge, Lock 7	Jessamine	550	27								3.09	+0.11	1.11	0	6					W. J. Piggott.
Irvington	Breckinridge	646	31	57.2	+ 0.5	79	16	34	24	38	3.97	+0.96	1.87	T.	6	16	1	14	sw.	Caroline Grubbs.
Junction City	Boyle	985	35	53.0	− 4.8	72	16†	30	15†	39	3.55	+1.02	1.50	0	8	14	6	11	se.	L. J. Vanhook.
Lancaster	Garrard	1032	3								3.03		1.02	0	9					H. H. Willis.
Leitchfield	Grayson	635	32	57.1	− 1.0	81	16	33	25	39	5.46	+2.73	2.45	0	7	13	7	11	se.	U. S. Weather Bureau
Lexington	Fayette	989	45	55.1	− 2.3	75	16	32	24	27	2.99	+0.40	1.48	T.	10	9	5	17	sw	Horace Canter.
Lockport, Lock 5	Jessamine	523	18								3.10	−0.16	1.10	0	6					Andrew J. Keenan.
Lockport, Lock 2	Henry	476	19								4.74	+1.46	1.66	0	8					U. S. Weather Bureau
Louisville	Jefferson	525	56	57.0	− 2.3	79	16	34	24	33	4.41	+1.76	3.22	T.	10	10	9	12	sw.	Wm. T. Hunt.
Do. (Cherokee Park)	Do.	554	19	55.9	− 2.1	78	16	33	24	38	4.14	+0.76	3.18	T.	8	14	4	13	s.	A. G. Hubbard.
Madisonville	Hart	690	4								4.69		1.60	0	6					Sisters of Loretto.
Mt. Washington	Bullitt	780	8								4.96	+2.13	2.35	0	8	18	4	9		Ernest M. Searcy.
New Haven, Lock 5	Nelson	450	15								3.90	−0.89	1.20	0	6					
Nicholasville	Jessamine	920	31	56.3	− 3.1	79	19	32	18†	41	4.12	+1.29	1.45	0.5	9	9	6	16	n.	E. B. Wilson.
Scott	Kenton	960	40	54.3	− 2.9	80	16	30	24	40	4.64	+1.93	2.15	T.	11	11	2	18	n.	Miss Ruth Retta.
Shelbyville	Shelby	825	40	54.3	− 2.9	80	16	30	24	40	4.85	+1.88	2.23	T.	8	16	3	12	e.	E. D. Bourne.
Taylorsville	Spencer	489	27	54.2	− 2.1	78	16	30	18†	43	4.33	+1.02	1.24	0	6					H. K. Vaughn.
Tyrone, Lock 5	Anderson	526	11								4.82	+1.51	1.60	T.	9	18	6	7	e.	Miss Nettie B. Simpson.
Williamstown	Grant	943	26	55.2	+ 0.1	80	19†	31	24	41	3.92	+0.20	1.55	0	7					H. J. Lewis.
Woodbury, Lock 4	Butler	533	12																	
Eastern Division.																				
Ashland	Boyd	534	12	54.5	− 3.2	78	18†	32	18	40	5.83	+3.14	2.81	0	11	14	0	17	w.	Curtis Purvis.
Beattyville	Lee	850	25	54.6	− 3.2	80	19	29	26	50	3.58	+0.28	1.58	0	11	10	8	13	n.	Robert S. Smallwood.
Berea	Madison	1050	27	57.2	− 1.4	80	16	34	18	38	3.06	−0.02	1.08	0	11	10	8	13	w.	Chas. C. Graham.
Conway Hill, Lock 11	Madison	691	19								3.58	+0.25	1.08	0	10					Kelly Walden
Cynthiana	Harrison	634	11								3.23	−0.07	1.10	0	7					P. H. Rehoe.
Paxton	Pike			54.8		77	20	30	26	44	6.31		2.05	0	8	16	6	9		James Sowards.
Richmond	Pendleton	656	46								3.61	+1.07	1.40	0	9					J. W. Odhams.
Rockcastle	Rowan	668	21	a52.6	4.1	78[i]	16†	25[i]	18†	45[a]	2.85	−0.60	1.05	0	7	14[i]	5[i]	11[i]	e.	Mrs. R. F. Stamper.
Stanford	Fleming	841	4								4.44		1.45	0	7					C. A. Glascock
Wallingford	Clark	593	13								2.59	+0.66	0.85	0	10					John A. Walters.
Ford, Lock 10	Carter	589	4								3.81		1.03	0	10					Col. Frank Bakers.
Grayson	Carter	589	4								3.62	+1.18	1.00	0	12					T. Mitchell.
Greenup, Dam 30	Greenup	550	9																	W. W. Trumbell.
Harlan	Harlan	1197	1	58.1		81	15	32	26	46	1.89		0.93	0	7	16	5	10	sw.	Chas O. Bragg.
Hazard	Perry	869	5								2.46		0.97	0	9					S. C. Cole.
Heidelberg, Lock 14	Lee	664	12								4.00	+0.21	2.00	0	7					R. B. Davidson.
Isonville	Johnson	1566	4								7.22		4.76	0	7					Rosson Cordey.
Jenkins	Lawrence	984	25								6.35	+3.49	3.30	0	8					L. L. Manning.
Jackson	Clay										1.70		0.66	0	8					Perry E. Bennett
Maysville	Mason	504	32	54.9	− 2.6	79	16	31	18	45	2.64	−0.02	0.72	0	11	5	15	s.	Matthew Woodson.
Middlesboro	Bell	1128	23	51.5	− 5.3	76[i]	16	30[i]	26	47[i]	1.20	−1.51	0.50	0	12[i]	13[i]	3[i]		W. R. McKee.
Mount Sterling	Montgomery	900	23	52.3	− 2.6	79	19	29	18	45	2.81	−0.19	1.40	0	5	12	3	16	w.	Andrew M. Stanforth.
Newport, Dam 35	Campbell	497	7								3.19		1.25	0	9					Robert Repass.
Pineville	Bell	636	23								6.19	+3.33	3.80	0	7					F. C. Hall.
Pikeville	Pike	640	4								5.00		1.98	0	7					R. W. Jones.
Prestonsburg	Floyd	640	4								4.20		1.42	0	10					Walter P. Bush.
Quicksand	Breathitt	732	4	55.6		81	19	28	26	51	3.53	+0.67	1.80	0	7					T. W. Crooke.
Ravenna, Lock 12	Estill	631	15								3.24	0.45	1.44	0	6	10	5	16		Thos. Sullevan.
Richmond	Madison	926	28	55.0	− 1.1	81	19	36	24	39	3.80	+0.26	1.12	0	8					H. M. Fennin.
Rockhouse	McCreary	1541	16								3.35	+0.07	0.88	0	11					G. H. Zimmerman.
Rowdy, Lock 9	Lewis	595	14								1.39		0.62	0	8					Lawrence R. Chl.
Salyersville	Magoffin	1049	4								1.34	−1.50	0.60	0	5	25	5	1		Jessie Hicks.
Sandy Hook	Elliott	537	32	56.4	3.3	80	12†	30	18†	47	4.16		2.60	0	6					
Tolu, Lock 13	Lyon	611	10								5.51	+0.88	4.76	T.	8	14	5	12	s.	
Average progress and totals				56.4	1.8	85	16†	97	18†	51										

[a] Record for less than entire month. [i] Includes data for other stations. † Also on earlier or later date. ‡ Also at other stations.

Data for Bowling Green, Ky.; Lock 6, Brownsville, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.; Lock 5, Taylorsville, Ky.; Lock 6, Versailles, Ky.; Lock 9, Frankfort, Ky.; Lock 13, Lawrenceburg, Ky.; Lock 14, Tyrone, Ky.; Lock 15, Lockport, Ky.; Lock 16, Carrollton, Ky.; Lock 17, Madison, Ky.; Lock 18, Ghent, Ky.; Lock 19, Warsaw, Ky.; Lock 20, Sanders, Ky.; Lock 21, Rabbit Hash, Ky.; Lock 22, Petersburg, Ky.; Lock 23, Florence, Ky.; Lock 24, Covington, Ky.; Lock 25, Newport, Ky.; Lock 26, Cincinnati, Ohio; Lock 27, Cincinnati, Ohio; Lock 28, Cincinnati, Ohio; Lock 29, Cincinnati, Ohio; Lock 30, Cincinnati, Ohio; Lock 31, Cincinnati, Ohio; Lock 32, Cincinnati, Ohio; Lock 33, Cincinnati, Ohio; Lock 34, Cincinnati, Ohio; Lock 35, Cincinnati, Ohio; Lock

Daily Precipitation for October, 1929.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
ver Dam ..... G				.05																	1.20	1.20	.20									
mont ..... G				.07	.01				T			T.																				
lington ..... G				.17	.06					T										0.1	1.55	.05		T								
ds Ferry, Dam 50	O				.20					T										.1	1.45	.25										
nville ..	G			.11	.05																1.00			T	T							
sville C					.06															.20	1.10	.10										
sville ..... M				.83	.09			T													.99	.05						T	.14	.35	.20	
ton ..... O				.22	.06			T.	T.			T.								.07	.45								.11	.44		
field ..... M				.82																.27	1.10								.15				
erry ..... T				.48	T																.10											
sburg ..... O	T.		T	.05						T		T.				T				1.41	.12							.17	.15	.7	1.45	
esboro, Dam 46	O				.08					T	T		T.							.10	1.30	.55	T									
ksville, near ¶	O			.40	.16															.1	.80	.71	.13	.03	T.				.10	.2	.04	
beth	O				.34															.20	.42			1.42					.25		.5	
ncton ..... G				.20	.42			T.				T.									.56	T							.12	.10	.05	
ney, Lock No. 2	G				.09															.27	.46	.10							.12		.45	
sville ..... G						.02															1.55	.75								.12	.11	.02	
ntown, Dam 49	O			.22						T.											1.07	.05									.1	.11	
Central Division																				T	1.02	T.		.05							.5	T
sen, Dam 45	O			.01	.06						T.										1.45	1.05	.05	T								
hange	O			T																	.71	.15								.11	.1	.18	
down ..... S										.02										3.0	2.85	.40	.12	.13				T.	.05	.24	.14	
ing Green ..... G																					1.05	.50								.12	.56	.55	
ing Green, No. 2	G				.13	T.															2.21	1.55	.05							.05	1.20	.10	
wasville, Lock No. 6	G				.04	.03															2.56	1.75	.12							.1	.11	.12	
esboro C			.15	T.	.09	.05	T.						T.								.40	.71	.05							.03	1.15	.05	
nton ..... (Lock No. 1)	K																				.40	.71	.05							T	1.65		
l Spring, Dam 36	O			T						T.	.03		T.							1.45	2.80	.25							.11			
Dam, Burgin	K																			1.35	1.15	.10	.31	T.					.1	.2	.10	
ank	C																			.72	.82	.14	T.	T.					.04	1.0	.7	
nt ..... K				T.						T.											.71	.15								11	1.27	.25	
ville ..... G														.10						.80	1.30	.10	.15						.03	.84	.55	
t, Lock No. 3	K			T.							T.																					
nt, Dam 38	O			T.						T.	.04		.03			T.				1.50	.95	.07	.14						.11	.34	.15	
sburg	S	.01			.06	.13	.03													.8	1.24	.04	.08	.02					.08	.12	.05	
h Bridge, Lock No. 7	K																			.06	2.52	1.17	.48	.01					.05	1.64	.21	
ton ..... O				T.	T.					T.										.0	.98	.10							.03	1.11	.23	
ton City ..... K		T.		T.																.14	1.57	.92	T.	.05				T.		.84	.15	
ester ..... K					.03								.05								.93	.54	.05	.02					.01	.09	.50	.01	
enfield ..... G				T.	.10																.85	.80	.22		.01					.02	1.42	.92	
ston ..... K	T.		T		T			T.	T.		.05						T			.10	2.35	1.65							.11	.96	.15	
le Buckhorn, Lock No. 8	K																			.20	1.48	.10	.01	.02					.01	.77	.55	
kport, Lock No. 2	K																				.60	.85	.25	T.	T.					10	1.10	.25	
tsville ..... O				T.						.01	T.					T.				1.66	1.60	.10	.29	T.					.10	.45	.15	
Cherokee Park	O									.04	T.									1.51	2.19	.25	.12	.04					.14	.04	.20	
ersville C																				.05	.2.15	.22	.12						11	.25	.15	
ton ..... S					.08																1.60	1.75	.15								1.15	.25	
ns, Lock No 6	K	T.																		.10	2.85	1.20	.18	T.					T.	.15	.50	
	L			T.							.03	T.				T.					1.20	1.15	.25	.15					T	.50	.05	
sville ..... S					.01						.04									.55	1.45	1.28	.21	.20					.05	.25	.10	
sville ..... S				T.		.02				T		T.								.65	2.15	.30	.02	.16					.01	.08	.81	.30	
on, Lock No. 5	S									T		T.								.10	2.75	.85		.09					.04	.55	.05	
stown L				.09				.03	1.		.02									.03	1.28	.11	.10	T.	T.				1.25	.22	.50	
thurg, Lock No. 4	G				.08																1.60	1.52	.33	.28	.04					.15	.06	.15	
Eastern Division																					1.55	1.20	.06							.06	.90	.07	
land ..... O		1.00	.53	.09										.05			.01				.07	2.84	.15	T.						.11	.57	.35	
tyville ..... S		.26	.11	.01	T.		.01	T.				T.									.12	.72	.24		.02					.01	.58	.45	
ee Hill, Lock No. 11	K	.02	.26																		.99	.45	.01	.04					.04	.11	1.08	.05	
ham L			.10											.20							.45	.58	.25	.03	.05					.15	.75	.40	
on ..... B		1.45		.03						T.						T.					.80	1.10	T.	.15	T.		T.			.17	.60	.30	
ers L				.07				T.	.03					.01						2.0	2.05		.04						.37	.31		6.31
ersburg L	.26													.11						.82	1.45	.05	.23						.12	.57	.13	3.61
Lock No. 10	L		.45	.10																	.80	.16							.11	1.05	.50	2.85
son ..... K	T.	.13	T.	.01	T.					T.				.03							1.45	.34	.58							1.20	.52	3.44
son ..... O		.62	.17	.12										.08						.22	.75	.2	.01	T.					.07	.85	.25	
mo, Dam 30	O		.27	.17	.03									.08						.17	1.75	.10							.07	.75	.20	
an L	.08		.17			.07											.09			.16	1.90	.05	.05						.15	.35	.20	
ard ..... K	T	.04	.15		.02									.03	.02						.95	.12							.12	.10		
lberg, Lock No. 14	K		.27	.11										.03							.97			.03					.12	.67		
ille ..... K		.50	.34			.05														.12	.90	.20							.03	2.40	.25	
..... B		.80	.40																		4.70	.20						.40	.48		
chester ..... K		.24	.09											.15							3.30	.50							.10	.70	.05	
ville ..... O																				.03	.40	.02							.12	.60	.05	
esboro C		.10			.16									.02						.07	.50	.06	.15	.02					.12	.52	.45	
n Sterling L										T.	T.									.15	.20								.10	.20		
ne Dam 35	O			.01						T.				.03						T.	1.45	.41	T.	.15				T.	.20	T.		
ville ..... B	T.	.82	.42																	1.1	1.25	.45	.50						.12	.12	.10	
esburg ..... B		.18	.50											T.							2.80	.15							.08	.46	.20	
dsand ..... K	.45		.30			.06								.07						.12	2.88	.10							.17	.58	.75	
ms, Lock No. 12	K		.18	.05																	.75	.85							.13	.42		
mond ..... K	T				T.									T						.7	.50	.15		T.					T.	1.30	.25	
y View, Lock No. 9	K		.03																	.50	1.60	.25	T.					T.	.35	1.04	.02	
erg, Dam No. 32	O		.12	.10	.20								.03							.36	.81			.20					.18	1.12	.29	.10	
esburg ..... K	.06		.80	.11									.10				.60				.45	.80	.06	.22						.16	.80	.40	
nsburg C		.20	.10																		.2	2.60	.18		T.					.81	.21		
w, Lock No 13	K	T.	.20																		T.	.05	.10							.64			
																				.80		1.90	.20							10.2	.05		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

Reference mark (***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded as for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt, (G) Green (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak

Daily Temperatures for October, 1929.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division	Maximum	66	68	72	67	62	76	76	78	75	77	80	75	78	79	80	85	77	78	84	77	66	51	48	48	60	55	79	72	75	69	71	71.7
Bowling Green	Minimum	48	44	38	43	54	55	51	36	42	52	55	50	45	40	38	41	44	52	50	55	43	35	40	34	35	38	45	45	56	60	60	45.3
	Average	57	56	55	55	58	66	64	57	59	65	68	63	62	60	59	63	61	65	67	66	55	43	44	41	48	47	62	59	66	65	66	58.5
	Maximum	65	66	71	65	61	72	73	68	71	72	76	72	74	74	76	82	75	73	80	71	66	52	47	47	65	71	76	68	73	69	65	69.0
Calhoun	Minimum	45	46	43	45	51	55	51	44	50	56	57	57	46	41	39	48	46	48	49	50	41	37	36	41	37	36	41	50	48	54	61	48.4
	Average	55	56	57	55	56	64	62	56	61	64	67	65	60	58	58	65	61	61	65	61	54	45	42	44	51	54	59	59	61	62	63	58.9
	Maximum	66	66	68	69	69	75	76	76	78	74	77	72	75	76	76	78	75	77	77	81	69	59	54	50	51	64	71	76	65	73	70	69.5
Hardinsburg	Minimum	47	49	49	49	54	55	50	39	45	57	59	55	46	45	40	45	46	48	48	49	44	36	34	36	34	41	49	48	56	61	60	47.5
	Average	57	58	59	59	62	65	63	58	62	66	68	64	61	61	58	62	61	63	63	65	57	48	44	43	43	53	60	62	61	67	65	59.0
	Maximum	65	64	69	64	61	72	71	69	75	74	77	74	75	76	74	81	77	75	80	78	69	55	49	45	58	58	64	71	75	61	74	68.9
Owensboro	Minimum	46	43	40	43	50	53	55	50	55	55	56	55	54	52	50	49	52	51	49	50	41	36	34	32	38	38	42	51	49	57	60	62	47.5
	Average	56	54	55	54	56	63	63	60	65	65	67	65	65	64	62	65	65	63	65	64	55	46	42	39	48	48	53	61	62	59	67	65	55.9
	Maximum	70	68	75	61	63	75	66	75	70	76	80	73	71	44	41	38	35	48	35	38	54	42	28	36	29	34	39	50	53	57	70	69	70.1
Hopkinsville	Minimum	46	42	37	44	51	54	48	38	47	55	54	48	44	41	38	33	48	35	38	34	42	28	26	29	34	36	39	42	48	52	57	61	48.6
	Average	58	55	56	53	57	65	57	57	59	66	67	61	58	43	40	36	42	42	37	36	48	35	27	33	32	35	39	46	51	55	64	65	59.4
	Maximum	68	68	73	61	61	74	75	70	65	77	77	72	78	81	82	80	74	76	81	76	66	58	54	49	63	72	78	87	77	70	69	70.1
Lawrenceburg	Minimum	46	42	39	48	52	56	51	46	48	57	58	56	45	46	48	50	45	43	48	50	45	38	36	34	41	49	48	55	50	60	61	48.6
	Average	57	55	56	55	57	65	63	58	57	67	68	64	62	64	65	65	60	60	65	63	56	48	45	42	52	61	63	71	64	65	65	59.4
	Maximum	65	62	66	62	60	73	70	67	66	77	77	69	73	74	74	80	73	74	80	74	66	54	48	48	58	66	73	78	73	73	71	68	69.0
Louisville	Minimum	46	43	40	43	50	53	55	50	55	55	56	55	54	52	50	49	52	51	49	50	41	36	34	32	38	38	42	51	49	57	60	62	47.5
	Average	56	53	53	53	55	63	63	59	61	66	67	62	64	63	62	65	63	63	65	62	54	45	41	40	48	47	58	65	61	65	66	58.2
	Maximum	70	68	75	61	63	75	66	75	70	76	80	73	71	44	41	38	35	48	35	38	54	42	28	36	29	34	39	50	53	57	70	69	70.1
Hopkinsville	Minimum	46	42	37	44	51	54	48	38	47	55	54	48	44	41	38	33	48	35	38	34	42	28	26	29	34	36	39	42	48	52	57	61	48.6
	Average	58	55	56	53	57	65	57	57	59	66	67	61	58	43	40	36	42	42	37	36	48	35	27	33	32	35	39	46	51	55	64	65	59.4
	Maximum	68	68	73	61	61	74	75	70	65	77	77	72	78	81	82	80	74	76	81	76	66	58	54	49	63	72	78	87	77	70	69	70.1
Lawrenceburg	Minimum	46	42	39	48	52	56	51	46	48	57	58	56	45	46	48	50	45	43	48	50	45	38	36	34	41	49	48	55	50	60	61	48.6
	Average	57	55	56	55	57	65	63	58	57	67	68	64	62	64	65	65	60	60	65	63	56	48	45	42	52	61	63	71	64	65	65	59.4
	Maximum	65	62	66	62	60	73	70	67	66	77	77	69	73	74	74	80	73	74	80	74	66	54	48	48	58	66	73	78	73	73	71	68	69.0
Louisville	Minimum	46	43	40	43	50	53	55	50	55	55	56	55	54	52	50	49	52	51	49	50	41	36	34	32	38	38	42	51	49	57	60	62	47.5
	Average	56	53	53	53	55	63	63	59	61	66	67	62	64	63	62	65	63	63	65	62	54	45	41	40	48	47	58	65	61	65	66	58.2
Central Division	Maximum	65	64	66	59	66	72	72	66	67	66	73	69	69	70	70	79	66	71	80	74	59	50	43	46	59	70	78	55	69	67	69	65.9
Auburn	Minimum	48	45	37	38	50	53	48	35	38	49	50	47	44	35	34	45	42	33	35	48	46	41	37	32	37	32	39	44	46	52	60	62	42.5
	Average	57	55	52	49	58	63	60	51	53	58	62	58	57	53	52	62	54	52	58	61	53	46	40	39	48	51	59	50	58	60	65	64	54.2
	Maximum	64	66	73	62	63	78	75	73	71	73	78	73	71	73	73	81	69	73	84	77	66	54	46	46	61	71	78	84	73	72	69	72	71.9
Bardstown	Minimum	51	48	38	36	40	52	51	33	36	46	50	49	48	45	42	48	48	42	48	49	44	38	36	34	38	38	41	50	48	56	60	63	47.1
	Average	58	57	56	49	52	65	63	53	54	60	64	61	60	59	58	65	59	58	66	63	55	46	41	40	50	55	60	67	61	64	65	68	59.5
	Maximum	70	70	74	64	61	72	73	70	70	79	79	73	71	73	73	81	70	73	80	78	69	61	57	57	64	73	78	83	73	72	69	72	71.1
Bardstown	Minimum	51	48	38	36	40	52	51	33	36	46	50	49	48	45	42	48	48	42	48	49	44	38	36	34	38	38	41	50	48	56	60	63	47.1
	Average	60	59	56	50	51	62	62	52	53	63	65	61	60	59	58	65	59	58	64	64	57	50	47	46	51	56	60	67	61	64	65	68	59.6
	Maximum	62	65	67	62	63	73	72	68	69	68	73	70	70	75	76	80	73	75	81	74	59	51	47	48	59	70	78	55	69	67	69	65.9
Elizabethtown	Minimum	51	49	42	43	50	53	48	40	41	53	50	49	45	42	39	47	44	39	47	49	44	38	36	34	38	38	42	51	49	57	60	62	47.5
	Average	57	57	55	53	57	63	60	54	55	61	62	60	58	59	58	64	59	57	64	62	52	45	42	41	49	54	60	53	59	62	65	64	56.7
	Maximum	64	63	67	63	66	75	72	70	66	68	75	74	69	68	67	76	75	68	77	76	66	54	48	52	62	62	74	80	73	72	69	72	71.2
Frankfort	Minimum	49	49	42	42	50	57	59	49	51	54	51	48	51	49	46	50	49	47	51	50	45	38	36	34	40	45	47	51	50	59	60	62	48.6
	Average	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Frankfort	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Average	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maximum	66	66	70	65	60	75	78	69	70	72	78	78	78	74	72	82	75	78	83	76	66	54	50	49	63	70	75	63	63	67	70	69.8
Georgetown	Minimum	50	48	34	44	53	55	56	36	38	54	44	43	50	39	38	39	48	35	38	38	53	39	34	32	37	36	42	55	50	56	60	61	44.7
	Average	58	57	52	55	57	65	67	53	54	63	61	61	64	57	55	61	62	57	61	57	60	47	42	41	50	53	59	59	57	62	65	65	57.3
	Maximum	65	63	66	69	68	73	73	66	67	68	75	70	70	71	71	78	72	75	82	75	66	54	48	48	58	66	73	78	73	73	71	68	69.0
Lexington	Minimum	47	46	42	49	54	55	57	44	46	56	57	55	48	41	41	45	39	48	48	49	41	36	34	32	38	38	42	51	49	57	60	62	47.5
	Average	56	55	54	59	61	64	65	55	56	62	66	62	59	56	56	61	55	62	65	62	54	45	41	40	48	52	57	65	61	65	66	65	58.2
	Maximum	62	62	65	68	67	67	67	68	69	67	68	67	67	68	68	76	68	72	77	76	66	54	48	48	58	66	73	78	73	73	71	68	69.0
Lexington	Minimum	47	46	42	49	54	55	57	44	46	56	57	55	48	41	41	45	39	48	48	49	41	36	34	32	38	38	42	51	49	57	60	62	47.5
	Average	56	55	54	59	61	64	65	55	56	62	66	62	59	56	56	61	55	62	65	62	54	45	41	40	48	52	57	65	61	65	66	65	58.2
	Maximum	64	63	67	63	66	75	72	70	66	68	75	74	69	68	67	76	75	68	77	76	66	54	48	52	62	62	74	80	73	72	69	72	71.2
Lexington	Minimum	49	49	42	42	50	57	59	49	51	54	51	48	51	49	46	50	49	47	51	50	45	38	36	34	40	45	47	51	50	59	60	62	48.6
	Average	57	57	55	53	57	63	60	54	55	61	62	60	58	59	58	64	59	57	64	62	52	45	42	41	49	54	60	53	59	62	65	64	56.7
	Maximum	66	66	70	65	60	75	78	69	70	72	78	78	78	74	72	82	75	78	83	76	66	54	50	49	63	70	75	63	63	67	70	69.8
Shelbyville	Minimum	50	48	34	44	53	55	56	36	38	54	44	43	50	39	38	39	48	35	38	38	53	39	34	32	37	36	42	55	50	56	60	61	44.7
	Average	58	57	52	55	57	65	67	53	54	63	61	61	64	57	55	61	62	57	61	57	60	47	42	41	50	53	59	59	57	62	65	65	57.3
	Maximum	65	63	66	69	68	73	73	66	67	68	75	70	70	71	71	78	72	75	82	75	66	54	48	48	58	66	73	78	73	73	71	68	69.0
Versailles	Minimum	47	46	42	49	54	55	57	44	46	56	57	55	48	41	41	45	39	48	48	49	41	36	34	32	38	38	42	51	49	57	60	62	47.5
	Average	56	55	54	59	61	64	65	55	56	62	66	62	59	56	56	61	55	62	65	62	54	45	41	40	48	52	57	65	61	65	66	65	58.2
	Maximum	64	63	67	63	66	75	72	70	66	68	75	74	69	68	67	76	75	68	77	76	66	54	48	52	62	62	74	80	73	72	69	72	71.2
Versailles	Minimum	49	49	42	42	50	57	59	49	51	54	51	48	51	49	46	50	49	47	51	50	45	38	36	34	40	45	47	51	50	59	60	62	48.6
	Average	57	57	55	53	57	63	60	54	55	61	62	60	58	59	58	64	59	57	64	62	52	45	42	41	49	54	60	53	59	62	65	64	56.7
Eastern Division	Maximum	66	66	74	67	62	76	77	66	66	68	74	78	72	66	68	78	72	68	78	72	66	58	54	52	66	72	76	58	78	60	66	68.4
Ashland	Minimum	52	50	42	44	51	55	54	38	50	57	54	46	50	46	38	38	46	42	50	50	50	46	38	36	46	46	50	42	50	52	58	58	46.6
	Average	59	58	58	56	57	66	66	52	58	63	64	62	61	56	53	58	59	55	64	61	58	52	46	44	56	59	63	50	64	56	62	63	57.5
	Maximum	66	66	71	65	62	76	71	67	65	70	76	75	71	67	68	78	72	68	78	72	66	58	54	52	66	72	76	58	78	60	66	68.4
Maysville	Minimum	52	50	42	44	51	55	54	38	50	57	54	46	50	46	38	38	46	42	50	50	50	46	38	36	46	46	50	42	50	52	58	58	46.6
	Average	59	58	58	56	57	66	66	52	58	63	64	62	61	56	53	58	59	55	64	61	58	52	46	44	56	59	63	50	64	56	62	63	57.5
	Maximum	66	66	74	67	62	76	77	66	66	68	74	78	72	66	68	78	72	68	78	72	66	58	54	52	66	72	76	58	78	60	66	68.4
Maysville	Minimum	52	50	42	44	51	55	54	38	50	57	54	46	50	46	38	38	46	42	50	50	50	46	38	36	46	46	50	42	50	52	58	58	46.6
	Average	59	58	58	56	57	66	66	52	58	63	64	62	61	56	53	58	59	55	64	61	58	52	46	44	56	59	63	50	64	56	62	63	57.5
	Maximum	66	66	74	67	62	76	77	66	66	68	74	78	72	66	68	78	72	68	78	72	66	58	54	52	66	72	76	58	78	60	66	68.4
Morehead	Minimum	52	50	42	44	51	55	54	38	50	57	54	46	50	46	38	38	46	42	50	50	50	46	38	36	46	46	50	42	50	52	58	58	46.6
	Average	59	58	58	56	57	66	66	52	58	63	64	62	61	56	53	58	59	55	64	61	58	52	46	44	56	59	63	50	64	56	62	63	57.5
	Maximum	66	66	74	67	62	76	77	66	66	68	74	78	72	66	68	78	72	68	78	72	66	58	54	52	66	72	76	58	78	60	66	68.4
Mount Sterling	Minimum	52	50	42	44	51	55	54	38	50	57	54	46	50	46	38	38	46	42	50	50	50	46	38	36	46	46	50	42	50	52	58	58	46.6
	Average	59	58	58	56	57	66	66	52	58	63	64	62	61	56	53	58	59	55	64	61	58	52	46	44	56	59	63	50	64	56	62	63	57.5
	Maximum	66	66	74	67	62	76	77	66	66	68	74	78	72	66	68	78	72	68	78	72	66	58	54	52	66	72	76	58	78	60	66	68.4
Paris	Minimum	52	50	42	44	51	55	54	38	50	57	54	46	50	46	38	38	46	42	50	50	50	46	38	36	46	46	50	42	50	52	58	58	46.6
	Average	59	58	58	56	57	66	66	52	58	63	64	62	61	56	53	58	59	55	64	61	58	52	46	44	56	59	63	50	64	56	62	63	57.5
	Maximum	66	66	74	67	62	76	77	66	66	68	74	78	72	66	68	78	72	68	78	72	66	58	54	52	66	72	76	58	78	60	66	68.4
Richmond	Minimum	52	50	42	44	51	55	54	38	50	57	54	46	50	46	38	38	46	42	50	50	50	46	38	36	46	46	50	42	50	52	58	58	46.6
	Average	59	58	58	56	57	66	66	52	58	63	64	62	61	56	53	58	59	55	64	61	58	52	46	44	56	59	63	50	64	56	62	63	57.5
	Maximum	66	66	74	67	62	76	77	66	66	68	74	78	72	66	68	78	72	68	78	72	66	58	54	52	66	72	76	58	78	60	66	68.4
Winchester	Minimum	52	50	42	44	51	55	54	38	50	57	54	46	50	46	38	38	46	42	50	50	50	46	38	36	46	46	50	42	50	52	58	58	46.6
	Average	59	58	58	56	57	66	66	52	58	63	64	62	61	56	53	58	59	55	64	61	58	52	46	44	56	59	63	50	64	56	62	63	57.5

Average temperatures for the morning observations, the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Average temperatures for the month are for the entire month, missing items from record.
Western Division, Bowling Green.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., NOVEMBER, 1929 No. 11

GENERAL SUMMARY.

Moderate temperature until the middle of the month permitted slow growth of fall grains and half hardy vegetables. This period of favorable weather was quite important for undersized wheat, which gained much of the deep rooting necessary for resistance to winter. Pastures remained good, although at times too water soaked for grazing. Heavy rains kept the soil saturated most of the times, with delay to corn gathering and the digging of late potatoes. Feeding requirements continued light and milk production was well maintained. The first general killing frost occurred on the 5th, ending the growing season in the central, western and southern counties, with the longest frost-free period on record for many stations. This moderate weather in the first half of the month was in marked contrast to that which followed. At the beginning of the last decade temperatures fell far below normal, with hard freezes and the cessation of fall growth. This cold weather persisted, with only light interruptions, until the end of the month, culminating on the 30th with temperatures near zero in most districts and below zero at many northern stations. Light snow on the 28th in the central and eastern counties preceded the most severe weather and afforded some protection to grains. Because of the saturated condition of the soil and the sudden plunge from growing conditions into mid-winter severity, there was apprehension of injury to wheat. While there was some heaving effect, no evidence of serious injury appeared. The onset of the severe weather practically stopped all outdoor work except feeding and care of stock, leaving much corn in the field and some late potatoes in the ground. Heavy feeding of stock and complete winter protection became immediately necessary. The very dry atmosphere accompanying the cold weather made handling of tobacco difficult and considerably retarded stripping and marketing.

TEMPERATURE.

The records of 42 stations gave a temperature average of 44.6°, which is 1.8° below normal. Temperatures 5° to 15° above normal prevailed from the 1st to 3d and 10th to 14th, while daily deficiencies ranged from 4° to 20° in the period 19-26th and from 10° to 33° on the last three days. Minima on the 30th were zero to 9° below in the coldest district, which extended from Hardin to Rowan County. Extremes for the State were 82° at Harlan on the 1st and − 9° at Shelbyville on the 30th. Low temperature records for November were broken.

PRECIPITATION.

As determined from the reports of 83 stations, precipitation for the State averaged 4.03 inches, which is slightly above normal. It was fairly well distributed, but there was a moderate increase from 2.5 inches in the southwestern counties to about 5.0 inches in northeastern districts. In the southeastern mountain region it was much heavier, with amounts ranging between 4.5 and 8.0 inches. For the State the variation was between 2.13 inches at Owensboro and 7.82 inches at Middlesboro. Moderate to heavy rains occurred in the periods 1st-3d and 13-14th, and in the eastern counties on the 17-18th. Light precipitation was reported on most other days in the second decade, and also in the periods 22-25d and 26-29th. This was mostly snow on the 21st, 22d, 28th and 29th. The total snowfall ranged between 1.0 and 4.0 inches in most of the State. It was heaviest in the southeastern mountain region, where 6.0 to 8.0 inches occurred. Thunderstorms were reported on the 12th, 14th, and 16th.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind.† Total movement.	Av. hourly vel.	Max. Velocity. Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.15	30.58	21	29.64	27	5537	7.7	35	n.	24
Cincinnati ..... Ohio	30.13	30.61	21	29.46	27	4975	6.9	31	sw.	24
Evansville ..... Ind.	30.17	30.63	21	29.61	27	6253	7.8	34	nw.	24
Lexington ..... Ky.	30.14	30.60	21	29.53	27	7329	10.2	56	nw.	24
Louisville ..... Ky.	30.15	30.62	21	29.54	27	6280	8.7	38	w.	24

†For any five minute period. ‡By Bendix anemometer beginning January, 1926.

HUMIDITY AND SUNSHINE.

Station.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	85	68	67	158.9	305.6	52	12	10
Cincinnati ..... Ohio	85	69	76	117.2	301.5	39	9	15
Evansville ..... Ind.	83	70	66	127.3	303.7	42	8	14
Lexington ..... Ky.	90	75	...	80.0	303.7	26	5	19
Louisville ..... Ky.	85	69	77	126.8	303.7	42	7	11

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature. Monthly average.	Departure from 40-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 40-year normal.	No. of days with .01 in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	43.1	−3.3	85	10	6.01	+2.47	...	...	...	...	....
1890...	48.6	+2.2	81	13	4.57	+1.39	...	...	...	...	....
1891...	43.5	−2.9	75	10	6.04	+2.47	...	...	...	...	....
1892...	45.3	−1.6	82	9	3.75	+0.28	...	...	...	...	....
1893...	41.3	−3.1	78	2	3.12	−0.45	...	...	...	...	....
1894...	43.3	−3.1	80	18	1.32	−2.25	4	...	...	...	....
1895...	45.8	−0.6	85	16	4.25	+0.72	7	10	7	13	....
1896...	43.2	−3.2	80	10	3.79	−0.78	8	12	7	11	6.5
1899...	39.8	−3.4	79	20	2.12	−1.45	8	11	7	12	T.
1900...	47.0	+0.6	85	15	3.78	−1.21	7	15	6	9	1.0
1901...	41.8	−4.6	82	11	1.52	−2.05	4	16	5	9	T.
1902...	53.4	+7.0	86	20	4.42	+0.85	11	11	6	13	1.3
1903...	42.7	−3.9	81	5	3.01	−0.56	8	12	7	11	2.0
1904...	41.7	−4.7	79	14	0.80	−2.68	3	15	7	8	T.
1905...	46.4	−0.0	79	14	3.56	−0.02	7	15	6	9	T.
1906...	46.1	−0.3	83	11	5.02	+1.45	7	13	6	11	2.3
1907...	44.2	−2.2	85	15	3.43	−0.08	7	14	5	11	T.
1908...	48.0	+1.6	86	8	3.03	−0.96	7	14	7	9	T.
1909...	45.7	−0.7	84	19	2.75	−1.28	6	15	5	10	T.
1910...	41.1	−5.3	81	11	2.04	−1.53	6	16	5	9	T.
1911...	41.6	−4.8	83	9	4.51	+0.94	8	16	4	10	6.5
1912...	44.2	−1.2	84	14	1.77	−2.35	3	16	7	7	T.
1913...	45.5	−1.1	86	8	3.45	−0.32	9	12	7	11	T.
1914...	47.1	+0.5	85	5	1.13	−2.34	5	12	8	10	0.3
1915...	49.8	+3.4	85	16	5.76	+2.33	9	15	5	10	0.4
1916...	47.3	−1.4	...	...	1.52	−2.05	3	20	4	6	T.
1917...	44.3	−2.1	...	...	...	...	...	14	5	11	0.1
1918...	45.1	−0.3	...	...	...	...	...	14	5	11	0.1
1919...	44.7	−1.7	...	...	7.31	+3.74	9	14	5	10	0.2
1920...	43.7	−2.7	...	...	2.91	−1.86	8	12	5	13	2.8
1921...	51.1	+4.7	...	...	6.30	+4.39	12	11	8	11	T.
1922...	48.3	+1.9	...	...	1.41	−1.64	3	16	5	9	0.4
1923...	47.4	+1.0	...	...	3.65	+0.68	9	14	5	11	0.0
1924...	44.5	−1.9	...	...	1.82	−1.76	9	11	5	12	0.1
1925...	48.0	1.6	...	...	3.36	+1.55	9	12	6	12	0.1
1926...	46.0	0.6	...	...	2.40	−0.17	7	13	5	13	0.2
1927...	51.1	+4.9	82	13	5.28	+1.44	11	9	7	14	0.1
1928...	46.1	−0.1	...	...	2.43	−0.90	...	13	5	12	1.1
1929...	44.6	−1.8	82	9	4.03	−0.47	11	9	5	16	3.0

Climatological Data for November, 1929.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	25	45.2	− 1.7	75	12	2	30	38	3.87	+0.69	1.20	3.0	8	6	7	17	n.	Mrs. Lena F. Taylor.
Clarkson	McLean	437	25	45.2	− 3.0	76	1	0	30	32	2.83	−0.63	1.06	3.0	9	5	14	11	sw.	Brick Southworth.
Earlington	Hopkins	420	39	44.4	− 3.4	76	18	0	30	32	3.39	−0.59	1.37	2.0	9	12	2	16	n.	P. H. McGinnis.
Fords Ferry, Dam 50	Hancock	368									2.88		1.11	0.5	8					C. R. Lovell.
Greenville	Muhlenburg	519	12	45.1	− 2.7	74	1	2	30	36	4.21	+0.22	1.69	2.5	9	6	10	14	s.	W. E. Graves.
Hopkinsville	Christian	544	33	44.2	− 4.8	76	1	5	30	38	4.11	−0.07	1.26	1.6	12	6	2	22	sw.	B. Sallee.
Lancaster	Garrard			46.0		78	11	3	30	28	2.47		0.79	1.0	5	10	8	12	ne.	B. C. Paris.
Lawrenceville	Crittenden	551	31	44.6	− 3.7	69	11	1	30	28	3.99	+0.10	1.38	1.5	6	10	5	15	nw.	Mrs. C. R. Sowell.
Marion	Crittenden	364	20	*46.2	− 2.6	78*	11	4a	30	32a	3.27	−1.11	1.70		4	9a	5a	15a	ne.	Harry B. Arnold
Mayfield	Graves	412	3	44.8		76	1	4	30	41	3.04		1.20	1.4	6	9	7	14	s.	Henry S. Berry.
Marion	Calloway	412	3	44.8		76	12	0	30	32	2.13	−1.33	0.79	3.0	8	12	2	16	nw.	Henry S. Berry.
Owensboro	Daviess	452	32	43.0	− 4.2	76	12	0	30	32	2.54		1.05	1.5	11					George McClemary.
Owensboro, Dam 46	Daviess	404	1								3.56	−0.63	1.20		7	11	7	12	nw.	J. W. Lilley
Paducah	McCracken	316	12	45.2	− 2.8	72	11	4	30	33	3.70	−0.34	1.15		T.	6			nw.	Frank L. Brown.
Paducah	McCracken	341	40								3.37	−0.67	1.35	0.5	11	10	4	16	n.	Dr. W. L. Cash.
Princeton	Caldwell	529	22	44.6	− 2.3	75	1	3	30	32	3.16	−0.85	1.12	3.0	7					Thos. L. Wetzell.
Ramsey, Lock 2	McLean	384	12								2.41	−1.26	1.17	3.0	11	11c	1c	15c	n.	Wm. Shelton.
Russellville	Logan	590	18	43.2	− 4.1	71s	11	2c	30	35a	2.34		0.76	0.5	7					H. R. Sale
Uniontown, Dam 45	Union	357	1																	
Central Division.																				
Addison, Dam 45	Breckinridge	362	1								3.21		1.61	1.1	12					C. L. Moore.
Anchorage	Jefferson	700	28	41.3	− 3.0	72	12	− 6	30	34	3.79	+0.84	1.27	1.2	10	10	4	16	se.	C. E. Barret.
Bardstown	Nelson	697	22	44.5	− 2.2	73	12	− 3	30	31	4.62	+1.24	1.35	2.5	12	9	13	8	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	560	40	46.2	− 1.4	73	1	4	30	33	4.24	+0.43	1.30	3.8	11	6	11	13	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	4								3.73		1.76	5.7	11					Jas R. Hines.
Brownsville, Lock 6	Edmonson	410	12								4.09	−0.56	1.96	2.5	10					Virgil M. Whalin.
Burkesville	Cumberland	750	38								4.48	+0.96	1.08	6.3	14					T. A. Lewis
Burnside	Pulaski	722	30								3.92	+0.74	1.22		8					Shelby Angel.
Carrollton, Lock 1	Carroll	422	3								4.86		1.90		14					Bert Ross.
Cold Spring, Dam 35	Campbell	463	3								3.82		1.49		9	6	5	19	e.	G. D. Glass.
Dix Dam, Burgin	Mercer	770	5	45.6		73	11	0	30	32	3.32	+0.16	0.97	2.5	9	3	4	23	s.	Mrs. Katie Payne.
Eubanks	Pulaski	1177	35	45.0	− 0.1	73	12	− 5	30	40	3.45	+0.19	0.90	1.5	10	9	2	19	w.	Sidney Wood.
Frankfort	Franklin	860	47	44.4	− 2.0	70	12	− 1	30	30										M. E. Johnson.
Franklin	Simpson	601	24																	Albert Purvis.
Grant, Lock 3	Henry	449	18								4.63	+1.51	1.30		15					W. T. Dugan.
Grant, Dam 38	Boone	780	8								1.04		1.10		12					Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	36	45.4	+ 0.2	73	10	− 2	30	35	5.17	+1.69	1.83	4.0	17	3	2	25	n.	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	590	27								3.54	+0.37	1.03	2.5	12					W. J. Piggott.
Irvington	Breckinridge	645	31	44.2	− 2.4	71	12	0	30	25	4.29	+0.94	1.28	1.2	10	9	3	18	n.	Caroline Grubbs.
Junction City	Boyle	985	25	44.4	+ 0.5	74	11	2	30	37	3.76	+0.52	1.03	7.5	17	8	7	15	s	L. J. Vanbooik.
Junction City	Boyle	1042	3								3.63		0.82		15					H. H. Willis.
Lancaster	Garrard	955	33	44.4	− 2.1	70	11	− 1	30	29	4.32	+0.86	1.20	3.0	11	6	8	16	nw	U. S. Weather Bureau.
Leitchfield	Grayson	989	45	41.8	− 3.0	69	12	− 3	30	23	3.91	−0.57	1.03	3.2	16	6	5	19	sw.	Horace Center.
Lexington	Fayette	928	18								3.61	+0.46	0.95	3.0	13					Andrew J. Keenan.
Little Beckman, Lock 8	Jessamine	593	18								3.63	+0.81	1.40	T.	7					U. S. Weather Bureau.
Lockport, Lock 2	Henry	476	19								3.56	−0.11	1.44	2.1	13	6	16	8	n.	Wm. I. Hunt.
Loch Mills	Jefferson	525	56	42.8	− 3.9	72	12	1	30	23	4.65	+0.92	1.20	2.2	14	8	4	18	n.	A. G. Hubbard.
Loretto, Cherokee Park	Jefferson	534	19	43.2	− 3.4	71	12	1	30	26	4.29		0.72	1.5	9					Sisters of Loretto.
Munfordville	Hart	600	6								5.37	+1.84	1.55	4.5	11	13	6	11		Ernest M. Searcy.
St. Joan	Hardin	777	33	42.6	− 2.9	73	12	− 5	30	32	4.99	+2.40	1.45	3.1	12					E. B. Wilson.
Salvisa, Lock 6	Mercer	450	15								5.10	+2.25	1.82	3.0	14	6	5	19	w.	Miss Ruth Ratta.
Scott	Kenton	960	31	42.0	− 2.8	69	12	− 1	30	27	4.27	+0.73	1.20	3.1	13	8	0	22	sw.	E. D. Bourne.
Shelbyville	Shelby	825	40	41.4	− 3.1	72	12	− 9	30	32	5.12	+1.73	1.40	3.0	14	9	5	16	nw.	H. K. Vaughn.
Taylorsville	Spencer	489	27	43.4	− 1.1	70	12	− 4	30	33	5.62	+0.94	0.85	2.5	8					Miss Nettie B. Simpson.
Tyrone, Lock 5	Anderson	526	11								4.45	+1.73	1.20		15	12	12	6	e.	H. J. Lewis.
Williamstown	Grant	943	26	41.9	− 3.2	72	12	− 3	30	31	3.02	−1.07	1.28	3.5	15					
Woodbury, Lock 4	Butler	533	12																	
Eastern Division.																				
Ashland	Boyd	534	12	44.2	− 2.7	78	11	− 2	30	30	4.83	+0.75	1.23		16	6	6	24	nw.	Curtis Purvis.
Beattyville	Lee	690	25	44.6	− 0.5	74	11	− 2	30	40	3.97	+1.02	1.09	3.5	17	6	1	23	nw.	Robert S. Smallwood.
Berea	Madison	1079	27	45.2	− 2.1	71	1	− 2	30	30	8.96	+0.96	0.85	3.5	15	7	6	17	w.	Chas. C. Graham.
Berea	Madison	991	19								4.07	+0.91	0.75	1.8	14					Kelly Weiden
College Hill, Lock 11	Madison	684	11								3.67	+0.35	1.12		12					P. H. Kehoe.
Danville	Boyle			47.4		80	1	5	30	32	5.31		1.59	6.5	16	5	11	14		James Sowards.
Elkton	Pike										3.44	+0.16	0.72	T.	13					J. V. Oldham.
Falmouth	Pendleton	699	40							41b	5.11	+2.07	0.91	3.5	8	13a	1a	15a	e	Mrs. R. F. Stamper.
Farmers	Rowan	668	21	43.1	− 2.0	74	1	− 7	30		3.07		1.22		10					C. A. Glascock
Flemingsburg	Fleming	841	4								3.19	+0.58	0.83	2.5	13					John A. Walters.
Ford, Lock 10	Clark	593	13								3.17		0.72	1.0	11					Col. Frank Powers.
Garrison	Carter	589	4								4.01	+0.47	1.09		13					T. Mitchell.
Greenup, Dam 30	Greenup	540	9								6.21		1.35	6.0	14	5	8	17	sw	W. W. Dudfield.
Harlan	Harlan	1197	1	48.4		82	1	4	30	31	5.58		1.73	8.3	17					Chas O. Ilrig.
Hazard	Perry	869	5								3.85	+0.47	1.07	2.1	15					S. C. Cole.
Heidelberg, Lock 14	Lee	661	12								5.47		1.09		15					R. R Davidson.
Jackson	Breathitt	1566	4								4.37	+1.40	1.50	1.0	12					Russian Copley.
Louisa	Lawrence	584	25								6.62		1.20	8.0	16					J. L. Manning.
Manchester	Clay										3.87	+0.55	0.86	1.5	13	8	9	20	sw.	Perry E. Bennett
Maysville	Mason	574	32	43.3	− 1.4	72	1	1	30	35	7.82	+4.39	1.75	5.0	11	5a	11a	16a		Matthew Woodson.
Middlesboro	Bell	1128	33	*47.2	+ 1.2	77a	1	4a	30	30a	3.06	−0.16	0.74	4.0	13	7	1	22	w.	W. R. McKee.
Mount Sterling	Montgomery	930	39	42.2	− 1.8	72	11	8	30	33	4.58		2.24		12					Andrew M. Stanforth.
Newport, Dam 35	Campbell	497	7								5.78	+3.06	2.29	3.0	7					Robert Deposs.
Owingsville	Bath	666	23								4.27		1.15		11					E. C. Hall.
Pineville	Bell	940	4								5.15		1.60	3.5	11					R. W. Jones.
Prestonsburg	Floyd	742	4	45.7		79	1	6	30	36	3.37	+0.25	0.82		11					Walter P. Bush.
Quicksand	Breathitt	931	11								3.80	+0.44	1.05	6.0	11	6	3	21		J. W. Crooke.
Ravenna, Lock 12	Estill	905	38	45.9	− 1.1	76	11	1	30	34	4.66	+0.98	1.15	2.5	15					Thos. Sullivan.
Somerset	Pulaski	1000	16								2.03	−1.15	0.80		9					H. M. Ennis.
Spring View, Lock 1	Madison	541	16								5.25		1.70	7.0	12					G. H. Zimmerman.
Vanceburg, Dam 32	Lewis	505	14	45.7							7.81	+4.77	1.45	6.0	11	20	6	4		Lawrence R. Uhl.
Versailles	Woodford	1122	4								3.60	−1.19	1.20	2.0	12					Jessie Hicks.
Wallingford	Fleming	733	32	47.2	− 0.1	80	1a	1	30	40	4.03	−0.46	2.21	3.0	11	8	6	16	n.	
Williamsburg	Whitley	1180	10																	
Winchester, Lock 13	Clark	611	10	44.6	− 1.8	82	1	− 6	30	41	4.03	−0.46	2.21	3.0	11	8	6	16	n.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

†Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. ‡‡ Received too late to be included in means and summaries ¶Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

§Lone Oak.

T Precipitation is less than 0.01 inch rain or melted snow

MISCELLANEOUS.

Nov. 27. Windstorms caused damage to buildings and wire systems estimated at $3,000 in Woodford, Fayette and Jefferson counties.

Floods.—A rise that started in the Ohio on the 14th and was augmented later by heavy rains in two upper basins caused fairly high crests by the 22d-25th, but did not reach flood stage. Moderate rises occurred in the Big Sandy, Green, and Cumberland on the 4th and 16th.

Errata for October, 1929.

State departure mean temperature from normal should be −1.8 instead of +1.8.

Williamsburg, departure of precipitation from normal should be −1.23.

Earlington, lowest temperature 35 on 25th.

St. John, monthly mean temperature 57.8; departure from normal +0.1.

Daily Precipitation for November, 1929.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
ver Dam	G	.40	.78	.10							.04	1.20	1.00													.08		.30			
lhoun	G	.54	.18								.12			.66	1.06	.03	T	T	T							.06		.08			
rlington	G	.43	.70	T									1.37	.88	.01			.05								.07		.08	.15	T	
rds Ferry, Dam 50	O	.53	.88								.17		.81	1.11	.62								T					.28			
eenville	G	.58	.58	.07			T			.30		T	1.69	1.12	T.	T.					.65					.11	T		.03		
pkinsville	C	.30	.80	.10						.27	T.	.01	1.06	1.26		.02		.01			.16					.03		.07			
versonville	M	.50	T.							.28		.08	.68	.79		T										.02		.01			
arion	O	1.27	T.							.16		T.	1.38	1.00												.14					
yfield	M	1.70								.15			.72	.76												.06		.15			
urray	T	.63	.11							.33			1.20	.63	T.	T.	T.														
vansboro	O	.10	.14							.05		.05	.40	.79	T	T.	T.					T				.10		.20			
vansboro, Dam 46	O	.23	.18	T.						T		.13		.20	1.05	.03		.03	.03		T.	T	T.			1.10	.01		.14		
dlevah (near) ¶																																
dwah	O	.68	.69						.25		.26		.02	.50	1.20											.28					
nceton	G	.70	.14				T.				.15		.01	1.30	.52	.04	.01	T								.30	T		T		
nsley, Lock No. 2	G	.28	.58									.17		.60	1.12							T				.08		.07			
ssellville	G	.38	1.07	.12								.13	.03		.35	.02	.04			.13						.18			.30		
nontown, Dam 49	O	.65	.52									.27		.07	.76	T.										.12			.04		
Central Division																																
dison, Dam 45	O	.14	.89	.04						T.	.08			.26	1.61	.10		.02	T.	.01	T.					.01	T.		.05		
chorage	O	.75	.37	.40						.15		T.	.43	1.27		.06	.25	T.								.10	T.		.05		
rdstown	S	.52	.56							.32			1.35	.85	.12	.05	.30	.12								.08		.20			
wling Green	G	.55	.50	.25			T			T	.85		.20	.80		.25		T								.02	.03		.28		
wling Green, No. 2	G	.16	1.76	.21								T.	.28	.30	.16	.15	.11	T	T.										.20		
ownsville, Lock No. 6	G	.22	1.96	.23							.66		.12	.44	.32		.36									.25	.09				
nnside	C	T	.84	.50	T.			T			.20	.05	.25	1.08	.30	.05	.75	.10									.14		.15		
rrollton (Lock No. 1)	K	.61	.61	.03							.32			1.22	.03		.30		.11			.12	.32			T.	.12	T.			
ll Spring, Dam 36	K	.16	.60	.13							.28		.20	1.90	.85		.28	.06	.04	.20	T.	T	.03			T.	T.	.12	.01		
k Dam, Burgin	K	1.42	.41									.20		.66	.45	.50		.62	.06	.02							T.				
bank	C		.84										.11	.29	.97	.43	.37	.83				.03	.25			T.	T.				
nkfort	K	.30	.65	.15							.10		.28	.99	.47		.15		T.			.03	T.			T.	T.	T.	.12	T	
nnalan	G																														
st, Lock No. 3	K	.30	.72	.13							.30	.05	.72	1.30	.45		.33		.04	.03		T.	.04	T.		T.	.02	.05	.03	T.	
aut, Dam 33	O	.30	.82	.04			T.				.20	T.	.26	1.10	.84		.38		.03	.05		T.	.05			T.		.04	T.		
gensburg	G	.85	1.83	.02	T						.33	T.	.02	.25	.58	.08	.13	.25	.18	.10	.02										
gh Bridge, Lock No. 7	K	.21	1.03	.42							.22		.05	.47	.25		.56	.01				T.			.03	.16			.10	T	
rington	O	.50	.46	T.							.18	.16		1.28	1.23	T.	T.	T.	.10	T		.03				.03			.03		
rrison City	K	.15	1.03	.25							.21	T.	.40	.43	.08	.19	.48	.08	.08	.01		.18		T		.04	.01	.16	.01		
rrodsburg	K	.02	.82	.42							.22		.28	.45	.83		.63	.14	.04			.03	.08				.01		.12	.07	
rtchield	G	.57	.25	.15							.15	T.		1.20	.80		.15	.15	T.			.03				.10			.15		
rvington ***	K	1.25	.36	.33	T.						.14		.17	.27	.09	.01	.28	.13	.01	T.	T	.10				.08		.15			
the Hickman, Lock No. 8	K	.12	.95	.38								.10		.14	.56	.36		.52	.12			.10	.06			T.	.05	.01	.06	.01		
ckport, Lock No. 2	K	.77	.19								.25	T.	.10	1.40	.58		.86		T.			T.					T.	.05	.15		
ustville ***	O	.56	.07	.05							.08		T.	.25	1.44		.27	.04	.01	T.	T.	.08				T.	.06	.10	.05		
o, (Cherokee Park)	O	.43	.72	.08							.28	.03		.70	1.26	.05	.03	.01	T.			.09				.01		.08	.12		
nfordville	G	.45	.72	.60							.10			.41	.28			.28	.30									.05			
John	S	1.55	.60	.25								.10	1.40	.80	.04	.18	.16	T.	T.			.03						.15			
visa, Lock No 6	K	.45	1.45	.45							.15	T.	.20	.58	.64	T	.05	.16	T.			.08	.10				T.		.20	T	
tt	L	.38	.42	.09							.32	.07	.02	1.40	1.82		.02	.30	T.	.01	.18	.03				T.	.07	T.	.13		
thyville	S	.21	.65	.14							.06	.30		1.16	1.20		.05	.26		.05		.13				.03			.09		
lorsville	S	.38	.60	.11							.16			1.80	1.18	.05	.01	.36	.02	.04	T.	.16				.03					
rone, Lock No. 5	K	.85	.3								.18			.80	.60		.64					.15				T.		.10	T		
lianstown	L	.40	.38	.15							.08	.27	.10	1.20	1.15		.42	.32		.03	.04	.06					.10				
dbury, Lock No. 4	G	.12	1.28	.05							.02	.17		.48	.47	.05	T.	.08	.04			.18	.10			.02	.04		.08			
Eastern Division																																
land	O		.25	.90	.07							.08			.51	.42		.52	1.23	.03	.03	.02	.08	.01	T.		.02	.14	.04			
ttsville	K	.02	.30	.70	T				.04			.09		.14	.50	.28	.01	.05	.06				.02	.16		T.	.14	.04	.13	.02		
ra	K		.80	.32				.06				.15		.51	.23	.14	.28	.08	.06							T.	.14	.04	.13	.02		
ace Hill, Lock No. 11	K	.07	.6	.58								.20		.07	.75	.45	T.	.85	.25	T.		.05	.08			T.	.05	.05				
thanna	L	.17	1.12	.32							.05	T.	.09	.76	.35		.68	.15	T.		T	.04	.04			T.	.03	T.	T.	T.		
rton	B		1.32	.41				.06		T.	.12	.14		.47	.15	.23	.09	1.59	.25	T.	T.	.32				.10		.10	.11	.02		
mouth	L	.21	.54	.22							.23		.12	.34	.58		.34	.08	.02	.04		.03	T.					.10	T.		
mers	L		.88	.71								.80		.68	.51		.79					.15							.21		
Kingsburg	K		.41	.2										1.22	.67	.20	.40														
d, Lock No. 10	K	.09	.70	.46	T							.07		.18	.86	.10	T	.48	.17	.03		.03	.02	T.		T.	T.	T.	.08	T.		
yson	O	.02	.30	.72								.07			.65	.28	.03	.62	.12			.06									
enup, Dam 30	O	.01	.35	.51								.12		.64	1.04		.13	.53	.01			T.	.02			.03	.22	T.	.01		
dan	C		.42	1.20	1.55	.12			.18			.22		.33	.13	.57	1.12	.02	T.							.03					
ford	K		.64	1.54	.05				.02			.06	.04	.42	.24	.35	.14	.98	.28	.02	T		.16			.02	.04		.21		
dlberg, Lock No. 14	K		.35	.62	.04				.04			.11		.68	.56	.22		1.67	.36				.12				.12	.07	.12	.02		
kins	K		1.09	.86				.12					.13	.22	.74	.22	.62	.80	.04		.12	.19					.24				
isa	B		.17	.77	.04										.67	.20		.10	.65			.32	.03			.28		.24			
nchester	K		.98	.80	.06			.05	.02			.18	.02	.46	.85	.55	.10	1.26	.26			.12	.05				.10		.04	1.50		
rsville	O		.10	.76	.38	T.						.13		T.	.58	.48		.61	.29	.01	.05	T.							.31			
dlesboro	O			.75	1.48							.30	.25	1.06	.08	.81		1.75									.12	.17		T	
nt Sterling	L	T	.30									.42	.08	.30	.74		.13	.40	T	.05							.18		.22			
onta Dam 35	G	.14	.40	.16								.28		.12	.54	.54		.20	.05	.04	.13	T	T.						.07	.04	.25	.07	
eville	B		T.	.2	.20							.36	T		.56	.18	T.	.96	1.22			T	.50			T.			T.	.15	T	
tonsburg	B		.13	1.15								.09			.45	.17		1.16	.51				.30						.08		
cksand	K	.70										.10			.40	.17		.10	.51				.30						.08	.20	
enna, Lock No. 12	K	T	.28	.45	T.				.05			.30	.14		.61	.29	1.60		.33				.23						.26		
mond	K		1.05					T				.15		T.	.73	.38	T.	.82	.12		T.	T	.22			T.	T.	T.	.12	T.		
ver View, Lock No. 6	K	1.15	.40	.30									.67	1.00	.50		.40	.10	.10			.26			.02		.04	.08			
sburg, Dam No. 32	O		.48	.40											.80	.17		.37	.47			.06				.20	.10	.10	.03		
tesburg	K		.45	1.70	.14			T.					.60	.10	.27	.36	.06	.03	.94			.10					.07	.20			
liamsburg	C		1.43	1.25								.56	.64	.48	.45	.89	.02	1.47	.30			.11	.30		T.	.02		.40			
low, Lock No. 13	G		.55	.60									.20		1.20		.25												.10		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is that of the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ° Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Daily Temperatures for November, 1929.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	72	64	68	63	60	65	59	66	66	68	71	75	71	67	54	55	59	53	55	46	47	37	38	48	45	47	59	39	30	26	..	55.7
	Minimum	63	48	49	37	35	27	40	32	36	45	42	48	61	50	48	49	44	36	40	28	18	15	16	14	15	36	42	25	11	2	..	34.7
Calhoun	Maximum	76	69	66	58	58	62	57	61	62	65	67	70	67	60	53	54	58	51	48	44	46	36	42	43	45	45	59	65	29	22	..	53.7
	Minimum	56	52	48	37	29	32	45	37	36	49	46	53	58	52	48	45	44	37	40	31	21	23	20	24	26	38	41	28	11	0	..	36.6
Farlington	Maximum	74	66	68	60	62	64	59	61	64	66	70	71	67	61	51	57	58	52	49	43	43	35	39	45	46	46	68	56	28	24	..	53.6
	Minimum	58	48	45	36	27	30	43	34	33	37	39	50	50	50	48	45	42	37	37	45	39	35	40	43	44	45	60	55	31	25	..	35.2
Greenville	Maximum	74	64	65	60	62	61	58	60	63	67	71	76	68	66	52	56	60	57	60	45	39	35	40	43	44	45	60	55	31	25	..	55.0
	Minimum	62	47	49	37	26	26	41	35	34	47	40	50	58	47	45	44	38	35	37	28	15	21	24	45	45	44	60	54	27	22	..	34.2
Hopkinsville	Maximum	76	68	68	59	58	62	58	64	66	67	72	70	71	61	55	57	58	53	52	43	40	34	41	45	45	44	60	54	27	29	..	54.9
	Minimum	61	58	48	39	35	24	42	38	35	50	50	50	52	57	50	46	44	39	39	32	22	18	17	22	25	33	39	27	12	5	..	41.6
Loreleaceville	Maximum	74	66	67	58	57	61	59	61	64	72	73	69	66	62	50	57	57	51	52	41	39	37	45	45	47	44	63	37	26	31	..	53.3
	Minimum	52	49	45	40	31	37	49	41	43	55	45	58	55	50	46	44	39	32	32	30	26	26	30	24	33	34	38	24	15	3	..	38.7
Marion	Maximum	67	61	65	58	54	61	60	61	64	67	66	67	66	59	49	54	57	52	49	46	44	36	36	46	46	45	59	54	25	25	..	53.2
	Minimum	59	46	46	37	31	36	42	40	56	59	43	53	56	49	46	43	39	34	36	30	22	24	18	26	29	37	39	27	10	1	..	35.9
Mayfield	Maximum	72	59	67	67	58	63	65	64	66	71	73	69	69	60	..	56	58	52	50	47	40	36	43	46	46	46	61	62	39	31	..	*56.5
	Minimum	50	46	47	36	25	31	44	37	37	54	43	54	59	59	..	45	37	32	32	30	18	24	17	25	26	35	48	31	15	4	..	*36.0
Murray	Maximum	76	64	68	64	57	65	65	64	66	68	71	73	68	6	..	52	57	55	55	52	44	42	48	46	47	46	60	58	32	31	..	55.7
	Minimum	51	47	44	37	23	24	41	36	37	52	38	46	54	50	47	45	35	31	33	27	15	25	17	20	23	33	40	30	16	4	..	34.9
Owensboro	Maximum	74	62	68	62	59	61	58	60	62	64	68	72	68	58	51	58	54	49	48	39	41	36	41	40	44	46	56	48	27	14	..	52.2
	Minimum	55	50	53	52	50	51	53	50	52	56	54	58	55	51	47	44	41	41	44	36	25	19	24	17	20	22	32	34	23	6	..	33.7
Owensboro	Maximum	75	63	65	57	56	63	60	65	68	71	72	69	65	68	50	56	57	51	49	41	41	38	45	45	46	47	61	56	30	30	..	55.1
	Minimum	48	45	48	35	28	26	35	50	45	45	41	49	44	44	41	39	33	26	25	19	21	17	20	22	32	34	23	6	0	..	..	35.8
Paducah (near)	Maximum	65	63	65	57	56	63	60	65	68	71	72	69	65	68	50	56	57	51	49	41	41	38	45	45	46	47	61	56	29	14	4	53.2
	Minimum	47	48	44	36	27	34	40	39	38	55	39	54	54	49	46	44	31	33	31	26	19	15	17	23	26	37	42	41	26	24	..	35.3
Princeton	Maximum	75	59	64	56	58	70	59	60	61	66	68	71	67	58	51	55	56	52	47	46	39	36	38	48	55	58	54	29	26	..	..	53.2
	Minimum	52	45	47	38	27	25	41	38	37	50	39	50	53	50	49	46	40	33	37	29	20	18	15	19	23	26	37	41	29	12	3	33.9
Russellville§§	Maximum	73	62	67	58	57	65	63	66	68	71	73	68	68	6	52	57	58	55	52	44	42	38	46	47	46	47	60	58	32	31	..	*51.3
	Minimum	63	49	50	40	44	40	39	38	..	..	36	44	60	36	40	40	..	34	30	30	17	25	11	22	26	35	41	34	13	2	..	*33.1
Central Division.																																	
Anchorage	Maximum	69	56	62	59	52	62	52	61	59	66	68	72	68	61	56	51	51	46	42	41	38	32	27	36	41	44	51	46	36	24	..	50.7
	Minimum	54	48	51	42	24	28	38	30	30	40	36	47	57	53	42	41	37	37	33	26	15	20	13	22	21	29	41	25	8	6	..	31.9
Bardstown	Maximum	71	60	66	58	55	61	56	62	60	63	72	73	70	67	62	56	55	49	50	45	40	35	28	41	40	45	58	52	29	20	..	53.6
	Minimum	65	43	48	38	26	27	38	33	29	40	41	55	61	61	48	42	48	37	39	28	17	15	21	23	26	33	37	27	11	3	..	35.4
Bowling Green	Maximum	73	70	67	58	57	63	58	66	65	69	72	69	70	66	56	59	56	51	50	45	42	36	36	42	42	46	60	54	40	27	..	55.8
	Minimum	64	50	50	42	31	30	42	40	38	42	42	45	67	55	45	47	45	36	33	32	21	28	19	28	28	36	42	30	14	4	..	37.2
Dix Dam	Maximum	69	68	69	66	65	62	57	60	60	68	73	70	67	68	63	56	59	51	48	45	41	33	27	42	41	46	59	51	31	18	..	52.7
	Minimum	60	51	50	42	30	31	37	43	34	36	55	56	58	60	51	44	51	42	40	32	28	26	22	24	28	35	50	29	12	0	..	38.5
Eubank	Maximum	73	71	65	55	55	65	52	57	59	63	71	65	63	72	63	56	58	55	48	41	40	33	32	42	43	47	59	46	34	22	..	53.7
	Minimum	61	55	45	36	26	25	35	37	35	35	43	53	55	50	51	46	48	46	35	31	16	24	20	24	26	32	41	34	20	5	..	36.4
Frankfort	Maximum	69	60	61	59	56	58	57	59	63	71	69	73	68	66	58	54	54	51	47	45	36	35	30	39	42	46	60	50	29	17	..	52.1
	Minimum	62	50	48	40	30	30	39	38	32	37	41	49	57	58	49	42	48	42	38	33	23	25	21	25	26	34	43	28	11	1	..	35.6
Frankfort	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Frankfort	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Franklin	Maximum	71	68	63	56	50	61	58	62	61	73	70	68	69	67	60	57	60	58	49	45	38	34	32	42	41	46	56	54	30	21	..	53.7
	Minimum	64	50	51	40	34	26	38	39	30	40	45	56	60	60	49	46	49	39	37	32	20	27	23	26	25	32	43	29	12	2	..	37.2
Greensburg	Maximum	70	58	62	55	51	59	55	56	58	66	66	71	69	64	54	54	54	47	46	43	37	33	33	39	43	45	53	52	27	19	..	51.4
	Minimum	54	49	49	33	29	25	43	37	35	47	46	53	61	55	47	43	47	40	39	28	22	21	19	21	28	36	42	27	9	0	..	37.0
Irvington	Maximum	68	69	69	63	59	65	63	67	65	67	69	73	68	66	60	62	62	57	49	48	46	41	31	30	43	45	46	53	32	28	24	..	53.1
	Minimum	67	68	63	55	47	56	65	66	60	68	71	68	66	60	62	62	57	49	48	46	41	31	30	43	45	46	53	52	28	24	..	35.6
Junction City	Maximum	62	50	49	40	25	24	32	40	29	34	44	50	58	60	57	43	47	38	37	36	19	26	18	29	40	40	45	55	32	27	22	..	52.0
	Minimum	70	64	63	54	52	60	55	60	60	67	69	70	68	64	53	55	56	50	47	44	36	38	39	30	21	25	20	24	28	36	42	27	10	1	..	36.6
Leitchfield	Maximum	64	48	48	38	29	31	40	37	35	43	44	55	61	64	47	44	46	38	39	30	21	25	20	24	28	36	42	27	10	1	..	38.5
	Minimum	68	63	58	47	40	37	54	55	47	54	68	69	64	67	53	56	52	44	42	39	24	28	27	37	39	44	49	34	23	14	6	48.6
Lexington	Maximum	62	47	45	37	28	27	43	37	32	41	50	57	66	58	49	43	39	37	36	26	21	18	18	33	28	34	51	37	25	17	..	49.3
	Minimum	70	59	62	50	51	59	59	58	58	60	66	72	64	61	54	52	52	46	41	40	37	32	27	32	30	37	37	24	7	1	..	46.3
Louisville	Maximum	61	48	48	40	35	39	43	37	35	44	45	51	56	51	44	42	45	40	38	29	26	22	19	23	30	37	42	45	30	26	19	43.2
	Minimum	70	60	61	60	56	58	57	57	55	64	65	71	67	64	57	56	57	52	50	47	44	35	34	37	42	45	50	40	27	20	17	51.2
Do. (Cherokee Park)	Maximum	70	60	61	60	56	58	57	57	55	64	65	71	67	64	57	56	57	52	50	47	44	35	34	37	42	45	50	40	27	20	17	51.2
	Minimum	65	47	46	39	29	32	40	34	33	41	48	54	59	60	48	46	46	40	37	31	23	17	22	26	33	41	40	25	9	1	..	35.2
St. John	Maximum	66	64	62	59	52	60	54	54	55	65	66	68	64	59	49	49	44	39	40	34	28	33	27	29	40	45	44	32	34	17	..	48.6
	Minimum	51	45	44	37	26	30	38	35	30	35	48	50	62	54	45	40	37	30	35	24	17	23	27	30	40	45	44	32	34	17	..	38.6
Scott	Maximum	67	66	64	56	54	60	54	54	55	65	66	68	64	59	49	49	44	39	40	34	28	33	27	29	40	45	44	32	34	17	..	48.6
	Minimum	62	47	43	39	27	33	39	34	28	34	46	48	59	56	47	41	37	29	31	27	22	21	12	22	29	39	41	27	7	1	..	34.3
Shelbyville	Maximum	68	67	69	58	52	60	59	59	56	66	68	72	67	66	58	58	53	49	48	43	37	33	31	37	42	46	58	53	30	16	9	52.1
	Minimum	51	46	42	35	28	28	35	33	32	35	49	53	57	56	44	42	42	37	35	27	22	22	22	29	29	39	41	34	20	5	2	37.9
Taylorsville	Maximum	69	69	69	59	56	62	57	58	59	66	67	72	67	66	58	58	53	49	48	43	37	33	31	37	42	46	58	53	30	16	9	52.1
	Minimum	64	54	47	39	29	27	37	32	35	37	50	56	57	56	47	43	47	42	38	32	23	21	21	29	29	39	41	34	20	5	2	37.9
Williamstown	Maximum	67	67	68	51	54	62	53	58	58	62	70	72	67	66	58	58	53	49	48	43	37	33	31	37	42	46	58	53	30	16	9	52.1
	Minimum	61	46	42	37	27	30	37	32	27	33	42	47	55	51	46	46	46	39	35	27	17	22	12	21	25	32	40	24	9	3	8	33.6
Eastern Division.																																	
Ashland	Maximum	78	78	76	58	59	66	66	54	58	56	69	74	66	69	72	66	54	54	52	46	44	32	28	36	42	48	50	36	21	..	..	55.7
	Minimum	66	56	58	38	29	30	32	35	30	38	32	40	60	54	53	50	40	37	36	30	23	23	20	23	28	30	32	28	20	12	9	33.7
Beattyville	Maximum	73	67	62	59	54	63	58	60	59	68	74	68	64	65	73	63	57	54	49	43	41	34	30	33	41	47	50	40	27	20	9	52.4
	Minimum	59	53	40	36	29	23	33	44	38	39	51	51	55	58	53	50	47	44	37	33	30	26	20	26	33	41	47	30	20	12	8	38.4
Beren	Maximum	74	71	64	61	58	64	61	60	60	69	72	67	64	73	63	57	54	49	47	44	37	33	30	40	46	53	51	38	18	..	..	53.1
	Minimum	60	51	48	39	27	34	37	41	32	39	51	56	60	61	47	42	46	40	37	32	23	20	17	25	28	37	41	27	10	3	..	37.3
Berea	Minimum	69	61	48	39	27	34	37	41	32	39	51	56	60	61	47	42	46	40	37	32	23	20	17	25	28	37	41	27	10	3	..	37.3
	Maximum	73	71	64	61	58	64	61	60	60	69	72	67	64	73	63	57	54	49	47	44	37	33	30	40	46	53	51	38	18	..	..	53.1
	Minimum	60	51	48	39	27	34	37	41	32	39	51	56	60	61	47	42	46	40	37	32	23	20	17	25	28	37	41	27	10	3	..	37.3
Dorton	Maximum	68	60	56	44	50	58	54	46	48	49	56	59	58	65	72	71	60	60	59	..	54	44	42	38	32	43	42	46	54	56	36	20	*51.2
	Minimum	74	68	66	56	45	60	58	62	..	62	65	66	72	71	69	69	66	59	..	54	44	42	38	32	43	42	46	54	56	36	20	*51.2
Farmers	Maximum	66	48	46	39	28	28	41	39	32	41	50	55	47	44	59	55	47	36	..	34	30	19	22	17	43	20	42	50	50	25	22	56.7
	Minimum	66	48	46	39	28	28	41	39	32	41	50	55	47	44	59	55	47	36	..	34	30	19	22	17	43	20	42	50	50	25	22	56.7
Harlan	Maximum	80	76	66	64	58	65	59	58	65	69	62	66	66	67	70	64	61	61	60	51	47	48	45	48	47	50	54	49	37	14	4	49.0
	Minimum	71	61	55	49	38	37	32	45	38	31	51	54	55	59	52	48	46	43	39	34	29	28	28	28	29	33	37	35	26	10	2	42.1
Manchester	Maximum	72	69	62	59	52	64	55	58	58	64	69	69	68	67	68	66	54	54	52	47	45	35	34	39	42	46	48	37	26	10	1	54.0
	Minimum	72	69	62	59	52	64	55	58	58	64	69	69	68	67	68	66	54	54	52	47	45	35	34	39	42	46	48	37	26	10	1	54.0
Mazeville	Maximum	76	69	68	57	57	66	59	58	59	66	69	71	69	67	68	66	54	54	52	47	45	36	36	43	43	46	48	37	26	10	1	54.0
	Minimum	72	69	62	59	52	64	55	58	58	64	69	69	68	67	68	66	54	54	52	47	45	35	34	39	42	46	48	37	26	10	1	54.0
Middlesboro	Maximum	76	69	68	57	57	66	59	58	59	66	69	71	69	67	68	66	54	54	52	47	45	36	36	43	43	46	48	37	26	10	1	54.0
	Minimum	72	69	62	59	52	64	55	58	58	64	69	69	68	67	68	66	54	54	52	47	45	35	34	39	42	46	48	37	26	10	1	54.0
Mount Sterling	Maximum	76	69	68	57	57	66	59	58	59	66	69	71	69	67	68	66	54	54	52	47	45	36	36	43	43	46	48	37	26	10	1	54.0
	Minimum	72	69	62	59	52	64	55	58	58	64	69	69	68	67	68	66	54	54	52	47	45	35	34	39	42	46	48	37	26	10	1	54.0
Olympian	Maximum	76	69	68	57	57	66	59	58	59	66	69	71	69	67	68	66	54	54	52	47	45	36	36	43	43	46	48	37	26	10	1	54.0
	Minimum	72	69	62	59	52	64	55	58	58	64	69	69	68	67	68	66	54	54	52	47	45	35	34	39	42	46	48	37	26	10	1	54.0
Richmond	Maximum	76	69	68	57	57	66	59	58	59	66	69	71	69	67	68	66	54	54	52	47	45	36	36	43	43	46	48	37	26	10	1	54.0
	Minimum	72	69	62	59	52	64	55	58	58	64	69	69	68	67	68	66	54	54	52	47	45	35	34	39	42	46	48	37	26	10	1	54.0
Williamsburg	Maximum	76	69	68	57	57	66	59	58	59	66	69	71	69	67	68	66	54	54	52	47	45	36	36	43	43	46	48	37	26	10	1	54.0
	Minimum	72	69	62	59	52	64	55	58	58	64	69	69	68	67	68	66	54	54	52	47	45	35	34	39	42	46	48	37	26	10	1	54.0

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

§§ 7, 6, 5 days respectively 1, 2, 3 other days missing from record.

* P. O. Location [illegible] 1926.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

Vol. XXXIV Louisville, Ky., December, 1929 No. 12

GENERAL SUMMARY.

The temperature was characterized by periods of marked severity and extreme mildness. The cold spell with which the preceding month ended continued through the first four days, causing minimum temperatures near the record for this month at some stations. A long period of mild weather followed, in which temperatures scarcely fell below freezing and hardy vegetation again began to grow. In the week of cold weather from the 18th to 25th minima near zero occurred at many stations, but the month closed with mild and spring-like conditions. Precipitation was frequent but not generally heavy. Fog and mist were unusually prevalent in the warm periods, interfering or rendering impossible aviation activities. The resulting high humidity, together with the high temperature, provided exceptionally favorable conditions for handling tobacco; but at times the weed became too damp for packing or handling in bulk. Either because of cold or muddy fields little progress could be made in gathering the corn that remained out. Corn in crib and shock was frozen with a large moisture content, and when thawed but could not dry out because of the saturated atmosphere. This condition resulted in considerable soured corn and apprehension as to probable serious injury to seed corn that had not been artificially dried. Moderate to heavy snow accompanied the temperature declines of the 2d and 22d, giving some protection to grain for three to four days of the worst weather in each case. Although the freezes were deep and more severe than usually experienced so early in the winter, grains did not suffer much injury from heaving. Apparently the upper layers of the soil had sufficient time at the onset of the cold waves to drain partly, so that ice columns did not form. Also the ground once frozen remained in that condition until completely thawed, without partial day thaws and night freezes. Due to the advent of the cold when growth was in progress, some discoloration and killing of tops resulted.

TEMPERATURE.

Reports from 43 stations gave a temperature average of 39.0°, which is 1.5° above normal. Daily deficiencies of 10° to 30° below normal occurred in the first four days and in the period 19-24th, while departures nearly as great in excess of normal were the rule on most days in the periods 6-17th and 26th-31st. Minima of zero to 15° below were registered at most stations on the 2d and 4th. Extremes for the State were 76° at Greenville on the 10th and −15° at Eubank on the 3d.

PRECIPITATION.

The State average, as determined from reports of 84 stations, was 2.72 inches, which is 1.31 inches less than normal for December. Distribution was quite irregular for a winter month. In the western counties and a limited area in the northeastern part of the State, from 3.0 to 4.0 inches occurred; while a broad belt extending from the Ohio River across the bluegrass region to the Tennessee and Virginia borders received 1.5 to 2.0 inches. For the State as a whole rainfall between 1.38 inches at Pikeville and 4.56 inches at Grayson, Carter County. Snowfall was generally heavy, about 7.0 to 8.0 inches occurring in the northern and western counties and 10 to 13 inches in the basin of the upper Green and upper Cumberland, and in the southeastern mountains. During the extended periods of warm weather, the snow over aviation fields gradually without ...

ing flood conditions. Light [illegible] rate runs occurred in the periods [illegible] and 25th to 27th and snow on the 2d and 22d. [illegible] a few sailings on the Ohio and [illegible].

PRESSURE AND WIND.

Stations.	Mean station pressure Inches reduced to sea level. Average.	Highest.	Date.	Lowest.	Date.	Wind † Total movement.	Av. hourly velocity.	Max. velocity * Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.14	30.65	21	29.69	7	6467	8.6	39	[illegible]	[illegible]
Cincinnati ..... Ohio	30.10	30.63	21	29.42	18	6013	8.1	36	sw.	2
Evansville ..... Ind.	30.14	30.67	21	29.59	18	6229	8.3	52	sw.	14
Lexington ..... Ky.	30.11	30.68	21	29.37	18	4467	6.0	48	nw.	28
Louisville ..... Ky.	30.13	30.66	21	29.42	18	7005	9.3	57	nw	28

*For any five minute period. †By Robinson anemometer [illegible] June 1, 1928.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	85	72	76	120.6	280.1	47	11	11
Cincinnati ..... Ohio.	88	78	81	95.6	292.1	33	7	15
Evansville ..... Ind.	84	74	79	161.9	298.3	34	6	17
Lexington ..... Ky.	89	79	..	101.1	296.1	34	5	15
Louisville ..... Ky.	84	75	80	129.9	296.3	44	8	12

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature. Monthly average	Departure from 40 year normal.	Highest.	Lowest.	Precipitation. Monthly average	Departure from 40 year normal.	No. of days with .01 or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average wind m.p.h.†
1890	40.2	+15.7	76	33	1.57	−2.46	..	..	..	..	..
1896	37.8	+13.3	74	12	3.51	−0.62	..	..	..	..	..
1891	32.4	+ 7.9	70	10	4.10	+0.07	..	..	..	..	..
1892	34.6	+ 2.2	74	− 3	4.22	+0.19	..	..	..	..	..
1893	37.6	+ 1.5	78	10	2.69	−1.34	..	..	..	..	..
1894	38.7	+ 1.2	76	−11	4.31	+0.28	10	..	..	..	..
1895	38.8	+ 1.3	77	6	4.43	+0.40	9	7	9	15	..
1896	35.6	+ 2.1	73	3	1.82	−2.21	6	14	8	9	..
1897	38.0	+ 0.5	72	3	2.78	−0.28	10	6	7	18	9.5
1898	34.1	− 3.4	70	−12	2.74	−1.29	9	11	7	10	8.5
1899	33.8	− 2.7	73	−15	4.26	+0.23	10	12	8	11	8.2
1900	38.6	+ 1.1	70	12	2.59	−1.34	8	13	8	10	..
1901	32.3	− 5.2	72	−12	4.40	+0.87	14	8	9	14	..
1902	36.7	− 0.8	72	− 3	7.36	+3.33	12	7	5	19	..
1903	36.7	− 0.8	68	0	2.88	−1.15	7	16	6	9	..
1904	36.4	− 1.1	73	− 2	4.30	−0.27	11	10	5	16	7.4
1905	37.3	− 0.2	66	11	4.38	+0.35	8	11	5	15	7.4
1906	39.0	+ 1.5	76	− 9	5.64	+1.61	15	6	5	20	7.6
1907	38.5	+ 1.3	70	8	3.20	−0.83	13	8	5	18	8.4
1908	36.7	− 2.3	74	7	2.42	−1.61	9	11	5	15	7.4
1909	32.0	− 7.6	70	−14	3.46	−0.57	9	19	5	16	8.3
1910	31.1	− 6.4	68	− 2	3.37	−0.66	8	11	5	15	6.1
1911	31.6	+ 4.1	65	11	6.25	+2.22	12	9	4	18	6.1
1912	37.2	− 6.3	73	5	3.98	−0.05	7	14	5	12	6.1
1913	35.5	+ 2.5	70	11	2.73	−1.30	7	10	7	14	7.2
1914	32.8	− 4.7	70	−16	5.22	+1.19	13	5	4	21	7.1
1915	35.0	− 0.5	74	9	7.56	+3.53	12	7	6	18	7.1
1916	35.6	− 2.6	74	14	4.23	+0.20	12	8	5	18	7.1
1917	23.5	−21.6	52	−21	1.61	−2.42	7	17	5	9	11.7
1918	44.3	+ 7.8	75	14	3.41	−0.62	12	7	5	18	8.1
1919	34.6	− 2.3	72	3	4.93	+0.90	12	5	5	14	7.5
1920	39.6	+ 2.6	74	18	2.85	−1.14	9	12	5	14	7.1
1921	40.4	+ 4.2	73	18	3.40	+0.37	11	10	5	16	7.1
1922	41.5	+ 4.7	75	5	5.61	+1.61	10	6	6	15	7.1
1923	40.6	+ 5.1	73	8	5.66	..	13	7	5	17	..
1924	39.9	+ 4.6	72	9	5.87	+1.94	12	9	5	13	..
1925	33.1	− 1.6	70	5	2.67	−3.14	9	7	5	19	..
1926	34.6	− 2.5	73	6	6.41	1.59	13	5	4	22	..
1927	37.1	− 0.5	72	5	4.15	..	10	14	5	12	..
1928	40.6	+ 2.6	72	5	3.41	−1.71	11	11	5	15	..
1929	39.0	+ 1.5	76	15	2.72	−1.31	11	9	5	16	7.4

Climatological Data for December, 1929.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	25	39.8	+ 2.7	69	12	0	3	38	3.82	+0.07	1.90	8.0	9	11	6	14	e	Mrs. Lena F. Taylor.
Calhoun	McLean	437	25	40.8	+ 2.6	67	12	0	3	34	3.20	−1.05	1.32	7.5	14	6	12	13	sw	W. A. Taylor.
Earlington	Hopkins	420	39	41.0	+ 2.4	68	11	0	3	31	3.73	−0.23	1.09	6.5	14	11	2	18	sw.	Brick Southworth.
Earlington		356									2.19		0.54	3.6	10					P. H. McGinnis.
Fords Ferry, Dam 50		519	12	[a]39.5	+ 0.8	76[b]	10[c]	4[b]	20	41[b]	3.69	−0.69	1.60	7.5	12	8[b]	9[b]	12[b]	s.	C. R. Lovell.
Greenville	Muhlenburg	524	53	39.8	+ 1.3	67	12	1	3	34	4.52	−0.26	2.21	8.8	15	3	5	24	se.	W. E. Graves.
Hopkinsville	Carlsman			40.2		71	15	0	3	30	3.64		1.17	3.0	10	11	3	17	sw.	B. Sallee.
Lovelaceville	Ballard			40.2		71	15	0	3	30	2.19	−1.82	0.70	4.0	9	11	3	17	sw.	B. C. Paris.
Marion	Crittenden	573	31	40.5	+ 2.2	67	11[b]	1	1	27[b]	2.46	−2.21	1.00		6	11[b]	1[b]	18[b]	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	364	20	[a]43.4	3.9	70[a]	15	5[a]	21	39[a]	4.00		1.09	10.6	9	11	4	16	s.	Harry B. Arnold
Murray	Calloway	412	3	40.6		72	15	−11	3	38	2.56	−1.24	0.80	7.0	14	9	5	17	s.	Henry S. Berry.
Owensboro	Daviess	479	32	37.4	+ 0.4	68	12	0	20	36	2.86		0.70	4.5	14					George McGlemary.
Owensboro, Dam 46	Daviess	404	1								3.66	−1.08	1.20	4.0	9	9	5	17	nw.	J. W. Lilley
Paducah (near)	McCracken	516	12	40.3	+ 0.7	69	15	1	3	39	3.23	−0.63	0.98	6.0	9					Frank L. Brown.
Paducah	McCracken	341	40								3.67	−0.71	0.93	7.5	14	10	4	17	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	22	39.8	+ 1.4	69	13	− 3	3	34	3.29	−0.55	1.15	5.5	12					Thos. L. Wetzell.
Rumsey, Lock 2	McLean	384	12								3.02	0.14	1.43	6.5	11	13	0	18	s.	Wm. Shelton.
Russellville	Logan	590	18	38.5	+ 0.1	67	13	− 8	3	36	3.08		0.80	2.2	11					H. R. Sale
Uniontown, Dam 49	Union	357	1																	
Central Division.																				C. L. Moore.
Addison, Dam 45	Breckinridge	352	1								3.77		1.16	4.1	12					
Auburn	Logan	760	28	36.0	+ 2.4	66	12	− 9	3	36	3.11	0.84	1.16	6.2	11	12	1	18	sw.	C. E. Barret.
Bardstown	Nelson	657	32	39.8	+ 3.0	68	12	− 4	3	31	3.66	+0.72	1.20	6.2	14	15	4	12	s.	Mrs. Emily F. Sisco.
Bowling Green	Warren	500	40	41.4	+ 2.9	68	12	− 1	3	34	2.62	−1.92	0.53	4.5	12	8	11	12	w.	Mrs. Lillie G. Causey
Bowling Green, No. 2	Warren	469	4								3.25		0.84	4.3	11					Jas R. Hines.
Brownsville, Lock 6	Edmonson	410	12								3.74	−1.23	1.51		9					Virgil M. Whalin.
Cave City	Barren	773	28								2.40	−2.14	0.42	11.7	11					T. A. Lewis
Barnsdale	Pulaski	422	30								1.52	−1.72	0.52		7					Shelby Angel.
Carrollton, Lock 1	Carroll	489	3								2.50		0.70		15					Bert Ross.
Cohn spring, Dam 36	Cumberell	770	5	40.4		67	12†	0	3	33	1.56		0.51		10	6	10	15	s.	G. D. Glass.
Big Bear, Burgin	Mercer	1177	35	36.5	+ 0.1	67	9	−15	3	34	1.60	−2.27	0.56	7.2	9	6	8	17	s	Mrs. Katie Payne.
Somerset	Pulaski	860	27	39.2	+ 2.0	67	12	0	3	33	2.90	−0.80	1.42	8.5	10	9	3	19	s.	Sidney Wood.
Frankfort	Franklin	691	34	42.4	+ 2.2	72	13	− 1	3	40	2.90	−1.62	1.50	7.5	7	16	13	2	s.	M. E. Johnson.
Franklin	Simpson	449	18								2.22	−1.78	0.70		13					Albert Purvis.
Grant, Lock 8	Henry	780	8								2.82		0.86		14					W. T. Dugan.
Gunpowder, Dam 38	Boone	881	36	39.8	+ 3.5	69	12	−10	3	36	2.75	1.69	0.59	10.0	15	5	4	22	s.	Mrs. Bettie K. H. Alcorn
Harrodsburg	Green	550	27								1.84	−2.64	0.51	7.0	11					Miss Lulu Wood.
Hays Bridge, Lock 7	Jessamine	666	31	39.0	+ 2.3	67	12	− 1	3	33	3.89	0.05	1.39	7.0	13	8	4	19	sw.	W. J. Piggott.
Irvington	Breckinridge	986	35	39.0	+ 2.8	68	12†	− 6	3	42	2.68	−2.55	0.83	8.0	15	15	7	9	se.	Caroline Grubbs.
Jamestown City	Boyle	1052	3								1.64		0.56		10					L. J. Vanhook.
Lancaster	Garrard	635	33	39.1	+ 2.5	65	12†	− 3	3	33	4.14	−0.69	2.28	10.0	13	11	4	16	sw.	H. H. Willis.
Leitchfield	Grayson	989	45	36.3	+ 0.5	65	12	− 2	3	38	1.88	−1.86	0.46	5.0	14	8	6	17	sw.	U. S. Weather Bureau
Lexington	Fayette	828	18								1.75	−1.96	0.58	5.5	6					Horace Cantey.
Little Eckman, Lock 8	Jessamine	476	19								2.36	−1.47	0.70	4.0	11					Andrew J. Keenan.
Lockport, Lock 2	Henry	525	56	37.2	− 0.4	66	12	2	3	31	3.24	−0.50	0.87	5.4	12	7	6	18	s.	U. S. Weather Bureau.
Louisville	Jefferson	534	19	38.0	+ 1.9	66	12	1	3	34	4.15	−0.99	0.88	6.2	12	7	5	19	sw.	Wm. I. Hunt
Do. (Cherokee Park)	Do.										2.99		0.80	10.5	11					A. G. Hubbard.
Manfordville	Hart	600	4								3.10	−1.45	1.30	6.0	9	13	7	11		Sisters of Loretto.
Mt. Sterling	Bourbon	777	33	35.8	+ 0.4	68	12	− 6	3	36	2.79	−1.89	0.52	6.1	11					Ernest M. Searcy.
Nelsons, Lock 5[c]	Mercer	490	10								2.95	−0.43	1.02	5.0	13	3	8	20	s.	E. B. Wilson.
Newell[c]	Kenton	900	21	34.6	− 1.4	68	12	− 2	3	32	3.22	−0.81	1.04	8.1	15	9	2	20	sw.	Miss Ruth Ratta.
Newport[c]	Campbell	825	40	36.1	+ 0.7	65	12	− 9	3	34	3.24	−0.81	1.04	8.8	13	10	2	19	sw	E. D. Bourne.
Shelbyville	Shelby	469	27	37.6	+ 2.4	68	12	− 9	3	38	3.10	−1.20	1.80	5.8	13					H. K. Vaughn.
Taylorsville	Spencer										3.21	−1.22	1.18	2.0	8					
Tyrone, Lock 5[c]	Anderson	526	11								2.92	−0.83	1.60	6.5	15	7	7	17	w.	Miss Nettie B. Simpson.
Wilmington	Grant	948	26	36.8	+ 3.3	65	12†	− 3	3	33	3.82	−0.51	1.26	7.2	14					H. J. Lewis.
Woodbury, Lock 4[c]	Butler	533	12																	
Eastern Division.																				Curtis Purvis.
Ashland	Boyd	534	12	36.6	− 2.7	72	13	3	1	33	1.98	−1.43	0.62	7.5	10	7	0	24	w.	Robert S. Smallwood.
Barbourville	Knox	660	25	38.8	+ 3.1	71	12	2	3	45	2.75	−1.66	0.57	9.2	12	8	6	17	sw.	Chas. C. Graham.
Carlisle	Nicholson	1070	27	39.8	+ 3.2	69	12	2	3	33	2.18	−1.89	0.75	7.5	14	12	6	13	sw.	Kelly Weldon
Carrs	Madison	601	19								1.87	−2.33	0.60	6.0	9					P. H. Kehoe.
College Hill, Lock 11	Harrison	684	11								2.84	−1.36	0.65	5.5	15					James Sowards.
Cumberland	Bell			41.6		71	12†	4	1	43	2.17		0.43	15.0	15	14	3	14		T. Y. Oldham
Dawson	Pike										2.01	1.40	0.85	4.6	14					
Falmouth	Pendleton	600	40								2.57	−1.02	0.75	4.7	9	11	5	15	e.	Mrs. R. P. Stamper.
Flemingsburg	Fleming	668	21	37.8	+ 1.8	73	13	− 9	4	43	2.32		0.50		9					C. A. Glascock
Flemingsburg	Fleming	861	4								1.55	−2.28	0.60	4.2	12					John A. Walters.
Ford, Lock 10[c]	Clark	503	13								4.56		0.87	9.6	12					Col. Frank Powers
Georgetown	Scott	880	4								1.72	−1.92	0.49	8.3	12					T. Mitchell.
Greenup, Dam 30	Greenup	540	9								2.85		0.50	15.0	11	13	3	15	sw.	W. W. Duffield.
Harlan	Harlan	1197	1	37.6		69	10†	2	4	36	2.19		0.48	10.4	10					Chas. O. Barig.
Hazard	Perry	859	5								2.79	−1.91	0.55	7.5	12					S. C. Cole
Ivel	Knott	964	12								2.01		0.65		9					R. R. Davidson.
Jenkins	Letcher	1566	4								1.33	−1.55	0.45	11.8	6					Rossian Copley.
Langley	Lawrence	584	25								2.32	−2.05	0.42	8.0	13					J. L. Manning.
Lebanon	Marion										2.96	1.55	0.55	4.0	11	7	4	20	sw.	Perry E. Bennett
Maysville	Mason	524	32	37.9	+ 3.3	71	12	1	3	35	2.21	−2.51	0.50	2.5	9	8	18	4		Matthew Woodson.
Middlesboro	Bell	1198	33	[a]39.6	+ 1.2	66[b]	11	0[b]	2[b]	35[b]	2.53	1.77	0.48	8.0	13	9	4	18	w.	W. R. McKee.
Mount Sterling	Montgomery	976	24	36.3	+ 0.5	68	12†	5	3	39	2.84		0.67	4.2	14					Andrew M. Stamforth.
Owingsville, Dam 35	Bath	497	7								1.98	−2.40	0.40	7.0	5					Robert Preece
Pikeville	Pike	636	23								2.37		0.70	3.5	6					F. C. Hall.
Pineville	Bell	660	4								2.85		0.58	12.5	10					R. W. Jones.
Quicksand	Breathitt	772	4	39.2		72	12	− 4	3	46	3.87		0.55		16					Walter P. Bush.
Richmond	Madison	631	13								1.85	−1.74	0.55		6					J. W. Crooke
Rockcastle, Lock 12	Pulaski	943	38	40.6	+ 2.7	68	10	2	3	36	1.90	−2.05	0.62	8.0	14	11	1	19		Thos. Sullivan.
Rockcastle, Lock 1	Madison	541	16								2.93	−2.34	0.58	5.5	12					H. M. Berning
Taylor, Lock 5	Madison	746	14								3.43	−0.46	1.60		11					G. H. Zimmerman
Tompkinsville, Dam 52	Monroe	1142	4								1.76		0.76	9.5	8					Lawrence R. Cld.
Versailles	Woodford	799	32	40.4	+ 1.3	70	10†	12	3	44	2.22	−1.98	0.73	12.0	8	23	4	4		Jessie Hicks.
Williamsburg	Whitley	1141	5								2.10	−2.74	0.50	8.0	5					
Wilmore, Lock 13	Jessamine	911	10	39.6	+ 1.8	70	16†	15	3	46	2.52	1.31	0.95	6.8	11	10	5	16	sw	

[illegible] precipitation data are taken from self-recording instruments.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. Brewersville and Woodbury are Lockson the Green River; other Locks are on the Kentucky River [illegible] by determining weekly or by other means. †Many. [illegible] Brewersville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River [illegible] by determining weekly or by other means. †Many. [illegible] for example, † represents two days, etc.

Reference letters, a, b, c, appearing in the table indicate number of days missing for example, a represents two days, etc. † Precipitation is less than 0.01 inch rain or melted snow. ‡Long Oak.

Also [illegible] other letters. eReported too late to be included in means and summaries. †Precipitation is less than 0.01 inch rain or melted snow. ‡Long Oak.

Also [illegible] other letters. eReported too late to be included in means and summaries. †Lock 10, Red Houses, Ky.; Lock 11, Nicholasville Ky.; Lock 12, Versailles, Ky.; Lock 13, Wilmore, Ky.; Lock 14, Nicholasville Ky.

[illegible] addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 4 Nicholasville Ky.

MISCELLANEOUS.

[illegible] A [illegible] rate was observed in the Ohio from the 15th to the 21st, with stages [illegible] ice was found in the Evansville district. Tree [illegible] was frozen at Lakin on the 24 and [illegible] from the 1st to the 3rd, and [illegible] things from the 24th to 27th. Moderate [illegible] occurred on the [illegible] of the 19th and 31st.

Errata for November, 1929.

Beaverdam, clear days 7; partly cloudy 6.

Hopkinsville, mean temperature 44.8; departure 3.7

Daily Precipitation for December, 1929.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam		.40					.10					.04	.08	.30		.20	1.00					.40					.36					
Calhoun		.12					.38	.04		T		T.	.21	.34	.11	.05	.65	1.22	.10	T		.10	.11				.05		.02			
Carrington		.32					.35				.01		.05	.28	.82	.10	.08	1.00	.70		.10	.14	.02				.11					
Cords Ferry, Dam 50		.13					.13	.30			T.			.04	.13	.19		.35	.36	T.			.03	T.				.04	T			2.19
Centerville		.16					.20					.02	.03		.80		.20	1.05	.06			.02					.20	.03				
Hopkinsville		.31					.26					.06	.02	.03	.55	.02	.25	2.21	.14			.13	.02	T			.32	.22				
Lawrenceville	M	.25					.48						.25	T	1.13	.04	.60	1.17	.15								.09		.43			
Marion	O		.04				.47		T		F.		.14	.14	.48	.11	T	.70	.18			.02	T					T				2.30
Mayfield	M		.04			.75							.35			.30		.12								1.00					2.46
Murray	T		.42				.39					T	T	.44	T	.11	T	.73	1.09	.34			.30			.25						4.07
Owensboro	O		.13				.20	.04			.10	T	.58	.07	.10	.20	.17	.80	.04			.11	.03				.02	T				2.54
Owensboro, Dam 46	O		.14				.03	.27	T		T	T		.70	.08	.10	.85	.68	.24	.07			.16	.02			.01	.05				3.05
Paducah, near ¶	O		.15				.56						.31	.09	1.20	.05		1.17	.08								.16					3.66
Paducah	O		.30				.20	.35				T.		.20	.98	.16	T.	.70	.22				T					.06				2.97
Princeton	O	.25					.40	.02		T.		.02	.06	.24	.97	.08	.42	.02	.13			.22	T.	T.			.24	.02		T		2.57
Tunnel, Lock No. 2	G		.40				.24	.17				T.		.52	.04	.08	.07	1.15	.30	.05		T.	.10					.17				3.29
Russellville	O		.30				.11	.35						.12	.48	.02	.05	1.03	.27				.18					.01				3.02
Thomtown, Dam 49	O		.12				.04	.40	.03	.02		T.		.80	.10	.40	.15	.66	.36			T.							T			3.08
Central Division																																
Addison, Dam 45	O		.20				.18	.20				T.	T		.46	.02	.32	.31	1.46	.18	T.		T.	.06	T.			.02	.05			3.77
Anchorage	O		.14				.48						.07	.08		.21	.38	.24	1.16	.03			.17			T.		.08		T			3.14
Bardstown	S		.10				.50	.65							.16	.30	.10	.82	1.20	.14			.22		.08			.10	.20	.02			3.99
Bowling Green	O	.28					.20						T	.02	.35	.38		.18	.75		.15				.18			.10	.24	.42			2.82
Bowling Green, No. 2	O						.28	T.	T.				T	T.	.31	.29	.11	.14	.83	.11	T.		T.	.26	.10				.28	T.			3.25
Brownsville, Lock No. 6	O		.04					.20						.30	.46	.26		1.51	.15			T.	.03					.5				2.74
Burnside	P		.42				T.	.12					T.	.10	T.	.35	.05	.92	.15	.05			.20		T.			.35	.03			2.40
Carrollton (Lock No. 1)	G							.07			.12			.12		.41		.62					.11		.07							1.52
Cold Spring, Dam 36	O		.12				T	.30		.02	.01	.18	.06	.01	.02	.19	.20	.76	.40	.03			.29	T.	T.	T			.06			2.50
Dix Dam, Burgin	K		.10			.12	.11					T	.01		.13	T.	T.	.24				.20					.51	.02			.07	1.56
Eubank	P		.63												.17	.15	.16	.50	.15				.38	.05	.03							1.69
Frankfort	K	T.	.10				.15	.18						T.		.18	.16	1.42	.20	T.			.18	T.		T.		.28	.05			3.36
Franklin	P	.46																	1.50	.50	.15	.20				.11					.04	2.96
Gest, Lock No. 3	K		.15				.10	.28				T.	.03		.17		.11	.18	.70	.25	.02	T.	.10	T.	T.	T		.03	.05			2.22
Grant, Dam 35	O		.08				T.	.25		.02	.06	.04	.01	.06	.04	.25	.36	.86	.60	T.			.16		T.	T			.04			2.82
Greensburg	O		.26				.21	.07			T.	.05	.01	.18	.47	.04	.24	.16					.22	.07			.13	.59	.01			2.25
High Bridge, Lock No. 7	K		.15				.14	.07						.06	.03	.17	.03	.23	.05				.40					.51				1.84
Irvington	O		.58				.24						.52	.05	.24	.24	.40	1.39	.67	T.			.14	.05				.15		.10		3.99
Junction City	K		.67				.17	.07						.11	.18	.05	.20	.20	.18	.01			.25	T.		.01		.09	.52	.02			2.08
Lancaster	K		.08				T.	.18	T.						.02	.15	.01	.22	.24	T.			.26					.16	.02			1.74
Leitchfield	G		.20				.33	.05				T.	T.	.20	.15	.06	.10	2.25	.10			.22	.10				.20	.20				4.11
Lexington ***	K	.11	.01				.16		T.		T.		T.	T.	.12	.03	.18	.31	.05	T.		.16	T.		.01		.34	.07	.02		.01	1.88
Little Beckwith, Lock No. 8	K		.16				.05	.17						.08		.22	T.	.20	.10	T.			.25		T.			.58	T			1.75
Lockport, Lock No. 2	K	.16				.08	.24					T.	.28	T.	.14	.28	.70	.25				.14					.65	.65				2.36
Louisville ***	O	.13				T.	.10	T.	T.	T.		.04	.22	T.	.28	.44	.43	.76	.03	T.		.24	T.		T.		.01	.02			.05	2.24
Lou. & Cherokee Park	O		.24				.18	.32	T.		T.	.04	.20			.27	.25	.88	.04	.01			.22					.03				3.15
Mannfordville	G	.35				.05	.16							.12		.80	.52	.09		.10		.20	.35					.45				2.99
St. John	S		.20				.55					T.				.40	.10	1.30				.21	.20				.03	.30				3.10
Salvisa, Lock No 6	K		.14				.55	.26						1.21	T.	.22	.20	.44	.38	.06			.46					.52				2.79
Scott	L		.13				.20	.16				.15	.27	.02		.26	.18	.36	1.02	.06	T.		T.	.16		T.			.04			2.96
Shelbyville	S		.27				.40	.03	.02				.12		.24	.33	.19	1.04	.07			.22	.12				.04	.10	.03			2.22
Taylorsville	S		.10				.52	.06	T.		.08		.06	T.	.26	.07	.17	1.20	.05	T.		.15	.03				.27					3.16
Tyrone, Lock No. 5	K						.76	T.							.44	.04	1.18	.20	.04	T.		.18		T.			.37					3.21
Williamstown	L	.21					.19	.18				.08	.02	.06		.10	.20	.19	1.00	.10		.07	.11		.06				.07				2.12
Woodbury, Lock No. 4	G	.38					.06	.18						.04	.37	.30	.19	.06	1.26	.85	.05	T.	.12					.43	.03				3.82
Eastern Division																																
Ashland	O		.13	T.	T.		.02	.01					.10			.17		.02	T.	.01			.37					.40	.06			1.98
Bonnyville	K		.25	T.			.06	.03	.01					T.	F.	.05	.45	.01	.57	.25	.03		.41	T		T		.55				2.72
Borea	K		.34				.12	.13							.05	.30	.04	.10	1.10	.05	.03		.75	.02		.01		.20					2.85
College Hill, Lock No. 11	K		.15					T				T.			T.		.30	.02	.30	.26	.02			.25	T.		T		.60	.02			1.87
Cynthiana	K		.10				.02	.15	.26	T.		.02	.03	T.			.22	.10	.95	.30	.02			.33	T.	T	.01		.43	.03			2.83
Dorton	B		.48					.03						.04	.02	.23	.02	.14	.26			.28	.23		.05			.18	.25			2.17
Fabius	I		.34					.05	.31			.06	.03			.03	.10	.89	.06	T.			.11		T.	.01		.02	.05			2.01
Farmers	I		.37					.13	.10							.07			.17	.10			.55			.07		.02				2.57
Flemingsburg	L		.10					.25				.15				.59	.45		.15				.15		.20		.37					2.32
Ford, Lock No. 10	K		.13	T.				.13	.08				T	T	T	.02	.12	.01	.35	.10	.01		.25	T.	T.	T.		.60	.02	T			1.85
Grayson	G		.17					.04	.13				.05			.24		.13	.80	.11			.75					.71	.06	.37			4.56
Greenup, Dam 30	O		.06					.04	.13			.02	.09					.45	.50	.03			.16			.02		.34	.04			1.52
Harlan	B		.30					.16						.08	T.	.14		.27	.50	.08		.21	.21	T.	T		.42	.28				2.85
Hazard	K		.12					.05						.01	.07	.48		.02	.44	T.		T.	.37					.26	.07			2.18
Heidelberg, Lock No. 14	K			.35			.13	.07					.04			.43		.50	.27	.02			.35			.02		.57	.04			2.73
Jenkins	K		.12												.08		.16	.14	.17			.21	.10				.23	.10				2.01
Louisa	P		.28				.09											.85	.05				.45					.43				1.86
Manchester	K		.62				.02	.33				.01		.05	.03	.17	.02	.38		.19			.30			.02		.38				2.32
Mayesville	K		.12				.12	.13				.02		.02	T	.12	.05	.38	.56	.02			.20	T.		.02		.20	.04			2.26
Middlesboro	L		.20					.07						.12	.20		.20	.55				.30	.20				.25					2.74
Mount Sterling	L		.27				.48		.04		.07		T	T	.12	.11	.27	.10	.06			.47	T.		.09		.22	.26	T			2.33
Pinnonts, Dam 35	O		.24				.07	.36		T.	.02	.07	.06	.06		.21	.20	.97	.42	T.			.11	T.	T.	.01		T	.04			2.84
Pineville	K		.10	T													T.		.32	.18	T.			.30			T		.18				1.08
Prestonsburg	P				.50											.70		.10	.25				.45		.37			.44				2.27
Quicksand	K	.47						.13					.12		.14	.58	.24		.20				.58					.56	.67				3.17
Severna, Lock No. 12	K		.21				T	.1	T.		T.		T.	T.	T.	.20	T.	.35	.35	T.			.23	T.	T.	T		.53	T.				1.89
Richmond	K		.05				.02	.17				T.		.15	.10	.20	.20	.02	.12			.10	.25		.02	.05		.02					1.00
Talbot View, Lock No. 9	K	.10					.26					.02	.03	.02	.08	.47	.2.	.35	.05			.25					.28					1.98
Tompkinsville, Dam No. 32	K		.20				.10	.07			.04	.08		.07				.54	.50	.12			1.00					.32					3.43
Whitesburg	K	T.	T.					.10								.14			.10	T.		.02	.49					.06	.02			1.1
Williamsburg	L		.38					.12						.26			.22		.73	.10		T.	.42					.35				2.56
Willow, Lock No. 13			.0														.36	.40					.30									2.10

Except as otherwise indicated observations are generally made at the afternoon, hour of sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

(|) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak

Daily Temperatures for December, 1929.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	33	33	28	39	58	65	56	54	55	64	65	60	66	64	63	62	63	66	31	23	30	27	28	39	28	60	55	43	50	62	65	49.9
	Minimum	5	10	0	1	24	36	35	36	39	54	40	55	56	58	34	35	30	14	5	6	20	6	8	31	26	41	33	29	36	35	29.8
Clinton	Maximum	32	32	24	36	57	62	59	53	52	62	65	67	66	65	62	61	62	62	25	22	27	26	25	37	37	61	57	43	50	62	65	48.9
	Minimum	17	14	0	14	28	33	40	32	36	46	35	50	57	58	56	54	57	28	14	7	16	20	8	9	32	30	41	32	30	39	40	32.7
Hardinsburg	Maximum	33	32	23	36	56	62	58	41	52	63	68	67	66	62	66	64	64	55	27	20	26	24	23	38	28	60	55	45	50	61	63	48.4
	Minimum	20	15	0	14	33	44	41	32	37	49	38	61	57	58	58	53	55	27	14	7	18	23	8	15	38	29	41	29	34	42	44	34.5
Greenville	Maximum	31	31	21	35	55	61	56	52	55	62	65	67	65	...	63	59	56	60	28	21	29	25	24	37	...	60	54	42	50	60	64	129.5
	Minimum	15	15	8	8	28	39	48	31	35	44	35	50	45	...	57	53	57	26	11	4	6	19	5	7	...	25	40	32	28	37	40	29.5
Hopkinsville	Maximum	30	31	24	39	58	62	54	52	59	68	68	67	64	60	65	66	63	59	28	22	28	26	25	40	42	59	51	46	52	63	66	49.2
	Minimum	17	16	1	8	24	33	46	33	37	46	38	52	55	57	52	55	57	26	12	7	8	20	5	4	29	28	42	31	26	35	33	30.3
Lewisburg	Maximum	33	30	20	39	58	62	56	40	47	59	68	67	65	64	71	65	65	57	24	23	32	30	25	39	45	62	44	46	53	63	65	50.9
	Minimum	22	12	0	11	28	37	39	32	35	45	54	60	53	56	55	56	56	33	11	5	12	10	15	28	28	40	30	26	26	35	35	30.0
Marion	Maximum	31	35	30	46	56	62	58	41	50	57	67	67	65	66	67	64	67	57	26	25	24	22	27	38	60	58	42	50	62	65	65	52.6
	Minimum	20	1	20	28	30	41	40	30	35	43	56	60	57	56	56	52	57	26	10	1	7	18	9	18	36	33	41	31	26	36	42	32.6
Mayfield	Maximum	33	27	25	50	60	62	...	53	55	61	64	69	68	61	59	56	57	50	40	32	30	30	33	48	61	68	59	52	60	65	68	53.5
	Minimum	22	12	15	24	40	48	...	31	32	46	55	58	55	56	55	56	57	27	15	10	6	20	10	13	26	33	41	40	28	36	38	33.3
Murray	Maximum	31	30	26	40	57	63	55	44	57	63	65	69	68	63	72	66	67	58	27	25	30	28	25	46	62	65	62	64	66	69	71	51.5
	Minimum	18	14	11	2	26	40	44	33	37	48	48	58	53	55	52	56	57	26	12	6	8	20	5	4	29	28	42	31	26	35	33	30.5
Owensboro	Maximum	32	31	18	32	53	60	52	48	46	61	61	68	65	63	69	65	68	60	28	25	24	25	24	38	58	59	58	47	60	69	67	47.8
	Minimum	10	9	4	7	21	33	43	27	31	42	52	55	53	52	56	56	57	27	11	6	9	14	5	7	26	29	41	30	26	32	34	29.3
Paducah (near)	Maximum	33	30	26	38	57	63	62	42	48	60	67	68	66	63	69	65	68	60	21	22	27	28	25	38	59	60	58	47	60	69	67	48.3
	Minimum	22	14	11	11	28	38	40	33	36	46	55	55	53	52	56	56	57	27	12	8	6	19	10	14	34	31	41	28	28	32	36	31.8
Princeton	Maximum	34	29	25	36	55	61	55	42	58	62	66	68	69	61	69	65	65	61	27	26	24	23	27	44	60	64	60	50	62	64	68	51.2
	Minimum	20	13	3	8	28	38	42	32	37	45	57	60	57	56	58	55	57	27	13	4	6	20	6	7	30	29	39	24	32	36	38	31.2
Russellville§§	Maximum	32	22	23	44	54	62	52	47	57	61	65	67	63	63	69	65	63	63	30	15	19	29	29	28	42	60	55	40	49	61	64	47.3
	Minimum	11	18	8	6	13	37	41	33	32	39	55	58	52	55	57	52	57	48	33	3	3	13	11	7	15	28	42	31	30	31	37	29.7
Central Division																																	
Attercrop	Maximum	36	30	20	33	52	60	51	45	48	54	61	66	63	64	57	52	59	56	22	18	24	23	22	32	33	53	49	38	40	59	63	44.5
	Minimum	4	8	9	3	23	35	47	35	33	40	44	57	57	61	43	50	22	12	6	4	15	15	5	25	17	37	31	24	35	31	25	25.6
Bardstown	Maximum	33	33	23	33	54	60	55	52	56	66	68	68	65	66	65	61	61	59	30	19	30	27	24	35	34	51	50	42	50	63	65	46.5
	Minimum	9	10	0	13	27	33	48	33	35	44	50	56	55	56	56	54	56	27	14	7	11	20	7	24	26	41	33	29	36	42	40	31.1
Bowling Green	Maximum	41	33	24	28	57	62	57	57	61	67	70	64	72	65	68	66	69	61	31	30	27	26	25	37	59	64	60	48	56	66	68	49.9
	Minimum	19	17	1	13	28	37	48	34	40	54	58	58	56	56	58	57	59	31	11	10	12	22	17	8	30	38	45	32	30	38	41	32.9
Dix Dam	Maximum	34	34	20	35	53	60	54	52	61	66	69	69	68	61	62	63	61	61	37	19	31	24	25	36	58	59	55	45	52	65	66	48.5
	Minimum	6	20	10	1	21	38	48	35	38	46	54	56	52	56	57	52	54	36	14	7	6	22	17	5	30	36	51	43	46	58	61	36.7
Eubank	Maximum	31	30	22	32	52	59	54	48	50	60	63	67	64	64	62	55	61	59	24	18	25	25	24	32	55	56	51	42	48	60	64	46.4
	Minimum	14	11	1	12	28	40	47	32	36	44	51	56	57	57	55	47	58	26	12	6	10	20	10	9	29	29	42	28	30	37	40	31.5
Frankfort	Maximum	32	31	22	31	50	58	50	52	58	64	67	65	64	61	58	63	61	60	29	21	30	28	24	32	52	57	55	45	52	63	65	48.0
	Minimum	14	11	1	12	28	40	47	32	36	44	51	56	57	57	55	47	58	26	12	6	10	20	10	9	29	29	42	28	30	37	40	31.5
Franklin	Maximum	33	32	22	31	50	58	50	52	58	64	67	65	64	61	58	63	61	60	29	21	30	28	24	32	52	57	55	45	52	63	65	48.0
	Minimum	14	11	1	12	28	40	47	32	36	44	51	56	57	57	55	47	58	26	12	6	10	20	10	9	29	29	42	28	30	37	40	31.5
Harrodsburg	Maximum	32	30	21	30	50	57	50	52	58	64	67	65	64	61	58	63	61	60	29	21	30	28	24	32	52	57	55	45	52	63	65	48.0
	Minimum	14	11	1	12	28	40	47	32	36	44	51	56	57	57	55	47	58	26	12	6	10	20	10	9	29	29	42	28	30	37	40	31.5
Lexington	Maximum	31	30	22	32	52	59	54	48	50	60	63	67	64	64	62	55	61	59	24	18	25	25	24	32	55	56	51	42	48	60	64	46.4
	Minimum	14	11	1	12	28	40	47	32	36	44	51	56	57	57	55	47	58	26	12	6	10	20	10	9	29	29	42	28	30	37	40	31.5
Junction City	Maximum	32	31	22	31	50	58	50	52	58	64	67	65	64	61	58	63	61	60	29	21	30	28	24	32	52	57	55	45	52	63	65	48.0
	Minimum	14	11	1	12	28	40	47	32	36	44	51	56	57	57	55	47	58	26	12	6	10	20	10	9	29	29	42	28	30	37	40	31.5
Lake Cumberland Park	Maximum	32	32	18	32	51	58	55	51	54	63	62	65	65	63	62	60	61	60	29	19	26	25	24	32	52	57	55	45	52	63	65	48.0
	Minimum	11	14	1	12	26	39	46	31	33	39	45	44	58	56	53	45	54	26	12	6	10	20	10	9	29	29	42	28	30	37	40	31.5
Lake Ridge	Maximum	31	31	18	31	50	57	50	52	58	64	67	65	64	61	58	63	61	60	29	21	30	28	24	32	52	57	55	45	52	63	65	48.0
	Minimum	14	11	1	12	28	40	47	32	36	44	51	56	57	57	55	47	58	26	12	6	10	20	10	9	29	29	42	28	30	37	40	31.5
Lexington	Maximum	31	30	22	32	52	59	54	48	50	60	63	67	64	64	62	55	61	59	24	18	25	25	24	32	55	56	51	42	48	60	64	46.4
	Minimum	14	11	1	12	28	40	47	32	36	44	51	56	57	57	55	47	58	26	12	6	10	20	10	9	29	29	42	28	30	37	40	31.5
Lancaster	Maximum	32	31	22	31	50	58	50	52	58	64	67	65	64	61	58	63	61	60	29	21	30	28	24	32	52	57	55	45	52	63	65	48.0
	Minimum	14	11	1	12	28	40	47	32	36	44	51	56	57	57	55	47	58	26	12	6	10	20	10	9	29	29	42	28	30	37	40	31.5
Taylorsville	Maximum	33	31	22	31	50	57	54	52	58	64	67	65	64	61	58	63	61	60	29	21	30	28	24	32	52	57	55	45	52	63	65	48.0
	Minimum	14	11	1	12	28	40	47	32	36	44	51	56	57	57	55	47	58	26	12	6	10	20	10	9	29	29	42	28	30	37	40	31.5
Williamstown	Maximum	31	34	20	35	52	59	52	57	61	63	67	65	64	62	59	64	62	61	34	18	26	25	24	32	55	56	51	42	48	60	64	46.4
	Minimum	4	15	3	10	24	37	45	29	35	39	29	44	55	49	38	42	27	12	7	7	14	13	10	15	15	32	29	21	25	31	33	27.7
Eastern Division																																	
Ashland	Maximum	15	36	32	24	34	54	60	58	50	44	66	48	79	70	64	64	68	64	60	36	28	33	26	36	36	54	53	50	47	64	56	47.5
	Minimum	3	12	8	8	32	36	40	38	38	38	48	38	40	52	46	42	40	36	26	14	11	14	24	32	36	20	34	33	36	38	36	30.1
Beattyville	Maximum	22	31	24	35	54	59	54	51	60	67	65	71	68	72	63	65	69	62	34	23	29	28	23	32	53	57	54	46	50	62	60	49.0
	Minimum	1	13	2	10	15	30	43	36	31	31	55	47	48	55	50	49	45	34	19	11	7	22	15	14	24	12	40	26	28	33	32	27.6
Berea	Maximum	31	31	18	32	50	58	56	50	60	66	67	66	66	66	66	66	66	66	37	25	26	22	21	32	52	56	54	45	52	63	65	48.0
	Minimum	7	12	2	12	27	45	47	36	42	47	55	56	55	56	53	47	53	37	15	9	16	20	16	15	34	33	46	28	45	42	46	36.0
Cannel City	Maximum	40	35	32	35	60	60	56	42	55	65	66	71	63	65	65	64	70	64	39	30	31	33	30	38	57	80	75	46	52	66	70	50.4
	Minimum	4	25	9	10	17	22	29	42	25	32	47	46	46	55	54	54	53	40	20	14	12	20	20	34	33	31	37	34	32	39	37	33.3
Carrollton	Maximum	37	34	29	33	57	60	57	53	54	64	64	69	68	66	61	58	64	63	39	30	31	26	24	33	53	57	55	48	54	65	66	49.6
	Minimum	5	14	4	9	19	24	37	34	24	36	49	47	45	49	48	44	46	41	19	9	14	17	16	23	34	31	41	30	28	34	35	29.8
Clarkson	Maximum	36	34	32	36	55	61	58	52	61	66	69	67	65	63	62	66	64	63	36	30	30	27	26	33	53	57	55	48	54	65	66	49.6
	Minimum	6	19	5	9	21	35	39	32	36	46	54	57	53	54	53	48	51	39	18	10	12	18	16	23	34	31	41	30	28	34	35	29.8
Farmers	Maximum	33	31	25	32	52	59	56	53	59	66	69	67	65	63	62	66	64	63	36	30	30	27	26	33	53	57	55	48	54	65	66	49.6
	Minimum	2	21	1	13	22	33	45	34	35	45	54	56	53	54	53	48	51	39	18	10	12	18	16	23	34	31	41	30	28	34	35	29.8
Flemingsburg	Maximum	32	32	20	32	52	59	56	53	59	66	69	67	65	63	62	66	64	63	36	30	30	27	26	33	53	57	55	48	54	65	66	49.6
	Minimum	2	21	1	13	22	33	45	34	35	45	54	56	53	54	53	48	51	39	18	10	12	18	16	23	34	31	41	30	28	34	35	29.8
Grayson	Maximum	32	32	22	32	52	59	56	53	59	66	69	67	65	63	62	66	64	63	36	30	30	27	26	33	53	57	55	48	54	65	66	49.6
	Minimum	2	21	1	13	22	33	45	34	35	45	54	56	53	54	53	48	51	39	18	10	12	18	16	23	34	31	41	30	28	34	35	29.8
Greenup	Maximum	32	32	22	32	52	59	56	53	59	66	69	67	65	63	62	66	64	63	36	30	30	27	26	33	53	57	55	48	54	65	66	49.6
	Minimum	2	21	1	13	22	33	45	34	35	45	54	56	53	54	53	48	51	39	18	10	12	18	16	23	34	31	41	30	28	34	35	29.8
Harrodsburg	Maximum	32	32	22	32	52	59	56	53	59	66	69	67	65	63	62	66	64	63	36	30	30	27	26	33	53	57	55	48	54	65	66	49.6
	Minimum	2	21	1	13	22	33	45	34	35	45	54	56	53	54	53	48	51	39	18	10	12	18	16	23	34	31	41	30	28	34	35	29.8
Hazard

51.05
NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

LIBRARY OF THE
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXIV LOUISVILLE, KY., ANNUAL, 1929 No. 13

GENERAL SUMMARY.

The temperature for the year averaged near normal, but in several months it departed widely from seasonal conditions. February was decidedly cold, but because the low temperature was practically continuous no damage of consequence resulted to winter grains. In marked contrast the temperature excess of March was greater than the temperature deficiency of February. With April also much warmer than normal, spring arrived exceptionally early and vegetation developed so rapidly as to endanger it from late frosts. Although the usual April frosts were not severe, they caused considerable damage to fruit because of its unseasonal advancement. On account of the character of the winter, with its long cold periods and relatively few thaws, wheat suffered little and emerged in vigorous condition. Its rapid growth and early jointing caused some anxiety, but the comparative mildness of the April cool spell enabled it to escape without injury. With the precipitation of March and April not far from normal in the agricultural regions, conditions favored rapid progress in soil preparation, early seeding, and satisfactory germination. An excess of rain in May adversely affected these activities, with delay to corn planting. This wet period favored tobacco transplanting, which was finished rather early with excellent stands. The summer and fall months were relatively cool. Except for two weeks of cool weather, June was a favorable month, with well distributed rainfall. In the other two summer months precipitation varied greatly as to amount and distribution. In July drought conditions appeared in the west-central districts. During August, which was the driest month, the drought became much worse and extended eastward over most of the bluegrass section. The growth of tobacco and corn was arrested at the critical period, with the dwarfing of the one and the failure of the other to make ears. In this central area, these crops suffered extensive damage. Drought conditions were modified by increased rainfall toward the borders of the State. Rains early in September revived pastures, late gardens, and late forage crops, and moistened the soil for plowing and seeding. October was cool and generally too dry, but moisture was sufficient to sprout fall gardens and keep them growing. General killing frost was delayed until early in November, which permitted slow but steady growth of grasses and grains to continue until they were in vigorous condition to enter the winter. Severe winter weather late in November and periodically in December interfered with corn gathering but the warm moist spells in December were favorable for handling tobacco.

The Weather By Months

JANUARY.---Variable temperature, with resulting freezes and thaws, was unfavorable for winter grains. Unseasonably high temperature and severe windstorms occurred in the third week.

FEBRUARY.---The month was abnormally cold, with few complete thaws, hence grains suffered little. Heavy rains and melting snow near the end caused floods in most streams. Roads were damaged by the deep freezes.

MARCH.---High temperature, with conditions favorable for outdoor activities, predominated. Vegetation and agricultural preparation made exceptional progress. Excessive rains in the mountain counties caused disastrous floods.

APRIL.---Although the temperature averaged above normal, relatively cool weather during much of the month checked the premature development of crops and caused delay in corn and cotton planting. Spring preparations reached an advanced stage early in the month. Remarkably heavy hail was reported from many localities on the 21st.

MAY.---Low temperature and heavy rains rendered the month unfavorable. Weather conditions changed for the better with the rise in temperature of the last week. Local storms were frequent and damaging.

JUNE.---Weather unfit for hay harvest continued through the first half, but conditions were more favorable later on. Even in this period, however, there was sufficient dry weather to permitof crop cultivation.

JULY.---Temperatures were mostly moderate and favorable. Rains were fairly heavy and generally sufficient in the eastern counties, but dry weather began to affect crops in central and western districts.

AUGUST.---Low temperature offset to some extent the effect of the drought. Rains in the western counties early in the month relieved conditions. The dry weather caused much premature and unusually early tobacco cutting.

SEPTEMBER ---The rains came too late for most late crops; also the temperature was low and unfavorable for growth during a large part of the month. Much late corn was worthless except for the silo.

OCTOBER.---Although rather cool the month was generally favorable for growth. Temperature above normal in the first week gave fall grains a good start.

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature. Mean.	Temperature. Departure from normal.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Total for year.	Precipitation. Departure from normal.	Precipitation. Greatest monthly total.	Number of Days. Clear.	Number of Days. Fair.	Number of Days. Cloudy.	Number of Days. Snow, sleet, and hail.
1889	55.6	−0.2	104	3	55.05	− 3.87					
1890	57.1	+0.6	101	4	58.82	+12.98					
1891	56.3	−0.2	103	0	49.69	− 2.85					
1892	55.3	−1.2	101	− 6	41.25	− 1.59					
1893	55.5	−1.0	101	−22	44.71	− 1.13					
1894	57.1	+0.6	105	12	34.81	11.03					
1895	55.0	−1.5	104	−18	38.47	− 7.37		156	103	104	
1896	57.6	+1.1	105	12	44.08	− 1.16	9.4	171	111	104	
1897	57.2	+0.7	107	−16	46.72	− 2.88	111	168	97	106	8.1
1898	57.2	+0.7	103	−12	52.28	+ 6.54	103	153	110	102	12.5
1899	56.4	−0.1	105	−39	46.38	+ 0.34	12	155	105	106	21.6
1900	57.7	+1.2	104	− 9	44.40	− 1.44	110	160	102	104	12.9
1901	55.3	−1.2	112	−22	35.45	−10.19	88	164	85	111	11.7
1902	56.5	0.0	107	− 3	41.55	− 1.89	102	162	91	112	14.0
1903	55.8	−0.7	104	16	41.16	− 4.68	106	170	87	108	12.9
1904	55.3	−1.2	100	− 9	35.10	−10.74	100	162	88	116	9.7
1905	55.8	−0.7	106	−16	47.68	+ 1.84	113	161	78	126	18.3
1906	57.0	+0.5	100	−12	38.84	− 5.00	113	152	78	135	14.9
1907	56.1	+0.4	102	−11	47.76	+ 1.92	119	155	73	137	14.5
1908	57.7	+1.2	104	− 2	43.94	− 3.90	109	160	82	137	9.1
1909	56.5	0.0	104	14	51.36	+ 5.52	108	158	82	125	10.6
1910	55.3	−1.2	100	−20	50.67	+ 4.83	111	168	74	123	26.6
1911	58.0	+1.5	108	−16	46.77	+ 0.93	117	155	77	133	6.6
1912	54.6	−1.9	103	−20	47.73	+ 2.09	108	165	74	127	27.5
1913	57.9	+1.4	109	− 2	47.46	+ 1.62	107	162	77	125	5.5
1914	56.3	−0.2	109	−16	41.80	− 4.04	106	163	80	122	22.7
1915	56.2	−0.3	102	− 0	51.92	+ 6.08	134	150	93	122	14.4
1916	56.2	−0.3	102	−14	45.49	− 0.35	126	174	87	105	28.9
1917	53.5	−3.0	100	21	46.01	+ 0.17	106	185	91	109	17.8
1918	56.5	0.0	111	−20	40.64	− 5.20	106	150	87	118	24.9
1919	57.9	+1.4	104	− 4	52.13	+ 6.29	116	170	81	114	8.7
1920	55.5	−1.0	100	− 6	46.90	+ 1.06	100	154	81	131	19.1
1921	56.1	+0.6	100	−11	49.42	+ 3.58	113	166	94	111	13.5
1922	58.5	+3.0	103	1	44.43	− 1.41	119	170	87	108	9.4
1923	57.1	+0.6	99	− 4	53.92	+ 8.08	115	161	81	123	3.9
1924	55.0	−1.5	103	− 9	42.08	− 3.76	105	169	79	118	6.3
1925	57.6	+1.1	110	− 8	41.11	− 4.73	104	138	87	132	10.1
1926	56.1	+0.4	107	−11	49.95	+ 4.11	129	149	86	127	13.1
1927	55.8	−1.3	103	− 2	53.43	+ 7.59	123	157	84	124	10.5
1928	56.04	0.5	107	− 8	45.61	0.23	111	166	89	111	6.2
1929	56.2	−0.3	101	−15	48.46	− 2.52	121	185	86	124	25.4
Means and Departures.	56.5	0.0	152	30	45.90	− 0.6	109	156	87	117	14.1

(Compared with 40 years' means.)

Climatological Data for the Year 1929.

Stations	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).						Number of days			Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, melted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION																				
Beaver Dam	Ohio	441	26	57.8	99	July 28†	− 2	Feb. 11	27	47.11	8.46	May	1.78	July	18.6	104	199	53	113	s.
Calhoun	McLean	437	26	57.4	99	July 25	− 2	Feb. 10	27	45.69	6.48	May	2.17	Jul	17.3	128	76	205	84	sw.
Darlington	Hopkins	420	40	57.8	99	July 28	0	Feb. 10†	40	54.79	7.00	May	2.14	Aug	19.0	116	198	45	122	sw.
Fords Ferry	Crittenden								1	47.29	7.25	Sept	1.76	Oct	14.8	122				
Greenville	Muhlenburg	519	13	56.9	96	July 28†	1	Feb. 10	13	49.21	8.98	May	2.36	Aug	26.5	110	156[b]	151[b]	167[b]	s.
Hopkinsville	Christian	524	34	57.3	101	July 28	− 1	Dec. 3	34	51.25	9.71	May	1.83	Sept.	22.6	132	106	60	215	se.
Louisville	Ballard		1	57.5	95	July 28	0	Feb. 10†	1	52.38	8.58	May	1.85	July	16.5	117	132	132	101	sw.
Marion	Crittenden	571	32				− 3	Feb. 9†	33											s.
Mayfield	Graves	364	21	58.8	100	July 29	4	Nov. 30	21	47.67	6.75	May	1.88	Oct.		75	160[b]	81[b]	116[b]	sw.
Murray	Calloway	412	3	57.9	100	July 29	− 11	Dec. 3	3	49.84	8.16	May	2.68	Feb.	26.8	81	168[c]	80[a]	125[a]	s.
Owensboro	Daviess	479	33	55.0	97	July 23	0	Nov. 30†	33	44.11	8.33	May	1.27	July	20.5	120	172[a]	56[a]	136[a]	s.
Owensboro Dam 46	Daviess	479							2	46.14	8.34	May	0.95	July	15.5	129				
Paducah (near)	McCracken	516	13	57.8	99	Aug. 1	1	Dec. 3	13	54.36	9.74	May	3.56	Nov.	18.5	97	194	59	112	sw.
Paducah	McCracken	341							41	61.86	9.45	May	1.59	Oct.	16.5	107				
Princeton	Caldwell	529	23	56.8	95	July 11	− 3	Dec. 3	25	52.45	6.95	May	2.62	Oct.	20.0	137	124	118	123	s.
Ramsey, Lock 2	McLean	384							13	45.71	7.32	May	1.93	July	21.5	109				
Russellville	Logan	590	19	56.7	98	July 28	− 8	Dec. 3	19	47.75	7.78	May	2.33	June	20.5	102				s.
Uniontown Dam 49	Union	314							2	47.79	8.32	May	1.64	Oct.	13.2	118				
CENTRAL DIVISION.																				
Adairson Dam 45	Breckinridge	352							2	45.35	7.89	May	1.70	Aug.	14.0	129				
Anchorage	Jefferson	700	29	53.8	96	Aug. 22	− 9	Dec. 3	29	46.62	8.88	May	0.89	Aug.	17.4	113	201[b]	48[b]	106[b]	se.
Bardstown	Nelson	637	33	56.4	99	Aug. 22	− 4	Dec. 3	33	48.33	9.24	May	1.81	Aug.	21.2	117	214	62	89	s.
Bowling Green	Warren	560	41	59.0	100	Aug. 23	− 1	Dec. 3	42	47.11	5.79	May	1.78	Aug	23.3	110	140[a]	144[a]	80[a]	w.
Bowling Green No. 2	Warren	469							5	45.87	6.12	May	1.78	Aug.	32.2	86				
Brownsville, Lock 6	Edmonson	410							13	47.49	6.43	May	1.84	July	12.9	110				
Burnside	Pulaski	773							39	59.55	9.09	Mch	1.74	Aug.	40.0	141				
Carrollton, Lock 1	Carroll	422							31	48.64	8.29	May	1.52	Dec.		92				
Cold Spring	Campbell	489							4	49.06	7.65	May	1.79	Aug.	13 0	152				
Dix Dam, Burgin	Mercer	770	6	57.0	95	July 28	0	Dec. 3†	6	41.18	6.65	May	0.58	Aug.		101	137	143	105	s.
Eubank	Pulaski	1,177	36	54.7	96	July 28	−15	Dec. 3	36	46.11	7.67	May	1.15	Aug.	28 6	111	93	106	161	s.
Frankfort	Franklin	560	38	56.2	95	Aug. 22†	− 1	Nov. 30	40	42.03	8.89	May	0.90	Aug.	16.5	120	148	55	162	s.
Frank 10	Simpson	691	32				1	Dec. 3	33											
Grant, Lock 3	Henry	449							19	46.95	8.85	May	1.45	Aug.		136				
Grant, Dam 38	Boone	506							5	45.40	9.17	May	1 10	Aug.		144				
Greensburg	Green	581	37	56.0	100	July 29	−10	Dec. 3	41	51.29	6.76	May	2.23	July	26.9	153	59	36	270	n.
High Bridge, Lock 7	Jessamine	550							28	38.83	6.16	Sept	0.36	Aug.	2.5.0	111				
Irvington	Breckinridge	646	32	56.4	96	Aug. 22	− 1	Dec. 8	32	43.58	8.18	May	0.92	Aug.	18.2	102	163	63	139	sw
Junction City	Boyle	985	36	55.6	98	Aug. 23	− 6	Dec. 3	36	48.76	8.94	May	0.83	Aug.	40.0	149	166	110	89	s.
Lancaster	Garrard	1032							4	45.57	6.76	May	1.24	Aug.		127				
Leitchfield	Grayson	635	31	56.7	98	Aug. 2	− 3	Dec. 3	34	49.56	9.23	May	0.75	Aug.	24.0	120	142	121	102	sw.
Lexington	Fayette	989	46	54 2	93	Aug. 1	− 3	Nov. 30	42	44 45	5.59	May	1.49	Aug	32.6	151	130	108	127	sw.
Little Hickman, Lock 8	Jessamine	523							14	46.11	7.53	May	0.73	Aug.	26.5	114				
Lockport, Lock 2	Henry	476							20	45.76	7.61	May	1.67	Feb.		119				
LOUISVILLE	Jefferson	525	57	55.7	96	Aug. 22	1	Nov. 30	57	41.65	7.16	May	1.09	July	15.7	140	114	131	120	s.
Do Cherokee Park	Jefferson	554	20	55.0	94	Aug. 22	1	Nov. 30†	21	48.06	11 21	May	1.35	Aug.	22.7	125	110	108	117	sw.
Manfordville	Hart	600							7	42.90	4.86	May	1.63	Aug.		88				
St John	Hardin	777	31	54.8	100	Aug. 13	− 6	Dec. 3	34	45.55	8.88	May	0.31	Aug.	27.5	108	229	47	89	
Salvisa, Lock 6	Mercer	490							16	51.17	8.28	May	1.27	Aug	24.7	100				
Scott	Kenton	900	32	52.9	91	July 28	− 7	Feb. 1	32	56.84	7.87	May	1.55	Feb.	21 0	142	84	136	145	sw.
Shelbyville	Shelby	825	41	54.8	99	Aug. 22	− 9	Nov. 30†	41	51 46	9.45	May	0 78	Aug.	24.7	144	144[a]	31[a]	188[a]	sw.
Taylorsville	Spencer	489	28	55.0	96	Aug. 22†	− 9	Dec. 3	27	48.82	7 94	May	1.03	Aug.	21.1	123	175	51	136	s.
Tyrone, Lock 5	Anderson	526							11	42 12	5 63	Sept	0 75	Aug.	20.0	93				
Wilmington	Grant	943	27	53.8	96	Aug. 22	− 4	Jan. 14	27	47.11	7.52	May	1.48	Aug.	25.5	138	167	92	106	e.
Woodbury, Lock 4	Butler	533							13	45.91	8.03	May	0.99	July	24.7	123				
EASTERN DIVISION.																				
Ashland	Boyd	534	13	54.7	95	June 23	− 1	Jan. 14	13	45.55	5.83	Oct.	1.98	Dec.	25.3	147	145	4	216	s.
Beattyville	Lee	650	26	55.2	95	July 28	− 6	Feb. 23	27	53.88	7.79	Mch	2 61	Aug.	34.5	155	95	106	164	w.
Berea	Madison	1,070	28	56 6	94	June 22†	− 2	Nov. 30†	28	49 94	7.46	Mch	0 80	Aug.	39.3	141	156	78	131	w.
College Hill, Lock 11	Madison	601							20	51.20	7 04	May	1.87	Dec.	29.8	141				
Cynthiana	Harrison	684							20	51.20	7.07	Sept	1.01	Aug.	29.5	123				
Falmouth	Pendleton	690							12	42.19	7.45	May	1 33	Aug.	14.3	130				
Farmers	Rowan	668	22	53.5	91	May 28†	−14	Feb. 23	41	42.87	7.45	May	1.33	Aug.	14.3	130				
Flemingsburg	Fleming	870							22	54.75	9.86	July	1.83	April	25.2	104	185	55	118	e.
Ford, Lock 10	Clark	563							4	49 33	6 85	May	2.72	Dec		100				
Grayson	Carter	589							14	43 06	6.71	May	1.55	Dec	22.2	132				
Greenup, Dam 30	Greenup	540							4	46.37	6.93	May	1.90	April	31.7	120				
Harlan	Harlan								9	41 14	7.97	May	1.72	Dec	30.3	137				
Hazard	Perry	869							5	52.08	7.18	Mch	2.10	Oct.	33.0	141				
Heidelberg, Lock 14	Lee	664							13	54 15	8 83	May	1 94	Aug.	26.6	133				
Jenkins	Bell	1,566							4	57 84	7 23	July	2.01	Dec.		120				
Louisa	Lawrence	584							25	47.21	6.85	Oct.	1.95	Dec.	25.0	118				
Manchester	Clay								1											
Maysville	Mason	524	33	54.6	95	July 28	0	Feb. 1	33	45.36	5 89	Sept	2.95	Aug.	19.2	148	128	94	148	s.
Middlesboro	Bell	1,128	33	57.0	99	Aug. 10	0	Dec. 3	33	56.63	10 20	Mch	0.50	Aug.	15.5	106	168[a]	143[a]	43[a]	
Mount Sterling	Montgomery	920	40	53.5	95	July 28	− 8	Nov. 30	40	45.32	6 05	July	2 51	April	26 3	125	178[a]	39[a]	147[a]	w.
Owenton, Dam 35	Campbell	497							8	51 94	7.89	May	2.27	Aug.	18.9	139				
Pikeville	Pike	636							24	47.66	6 19	Oct.	1 38	Dec.	21 0	105				
Pleasureville	Henry	640							4	48.52	6 21	Mch	2.04	April	22 5	117				
Quicksand	Breathitt	732	4	56 2	99	July 8	− 8	Feb. 23	4	54.75	7 14	May	1.89	Dec.		98				
Raccoon, Lock 12	Kanawha	631							12	46.07	7 13	May	1.90	Dec.	34.0	128	198	39	139	
Richmond	Madison	926	39	57.5	94	July 27	2	Dec. 3	39	48.10	7.76	May	1.93	Dec.	35.0	130				
Valley View, Lock 9	Madison	541							16	54 10	8.54	May	1.83	Dec.		130				
Vanceburg, Dam 32	Lewis	512							15	46.45	5.83	May	1 26	Aug.		116				
Wayneburg	Letcher	1 142							4	47 54	7.49	July	1.63	April	28.5	117				
Whitesburg	Whitley	959	33	57.9	98	July 29	−12	Dec. 3	34	56 57	9.18	Mch	1.54	Oct.	34.1	105	268[a]	30[a]	30[a]	
Willow, Lock 13	Lee	641							11	42 68	6.60	Mch	2.05	Aug	22.0	80				

All temperature data are taken from self-registering thermometers. †Also on other dates.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

NOVEMBER.—The first general killing frost occurred on the 5th. The month ended with very cold weather and record low temperature.

DECEMBER.—Periods of marked severity and extreme mildness alternated. Corn | froze in damp condition and the mild weather that followed was unfavorable for drying. Outdoor work was difficult, but much weather favorable for tobacco handling prevailed.

Monthly and Annual Precipitation for the Year 1929, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Beaver Dam	4.47	+0.23	4.05	+0.87	4.03	-0.21	3.51	-0.61	8.46	+4.26	3.51	+0.34	1.78	-2.29	2.95	0.36	2.86	+1.18	2.86	-0.66	3.87	+0.49	3.52	-0.65	47.51	+4.24
Calhoun	5.82	+0.94	3.80	+0.54	2.72	-2.00	4.24	-0.85	6.48	+2.52	2.61	-0.98	2.17	-2.05	3.16	-0.49	6.13	+3.13	2.87	-0.68	2.87	-0.68	3.36	-0.65	47.32	+4.24
Earlington	6.44	+1.97	4.85	+1.24	3.71	-1.28	4.89	+0.52	7.06	+2.29	3.80	+2.01	3.52	+0.16	2.14	-1.06	6.06	+3.18	2.51	-0.68	3.56	-0.68	3.56	-0.65	55.72	+12.57
Ford's Ferry	6.36		3.64		2.51		3.24		6.57		3.89		3.31		3.11		7.25		1.76		2.38		3.52		47.54	
Greenville	3.25	-1.14	3.83	+0.51	3.60	-1.36	3.65	-1.22	8.98	+5.06	1.98	-0.97	3.41	+0.27	2.36	-1.80	4.03	+1.32	3.65	-0.71	4.25	+0.25	3.56	+0.19	47.21	+3.66
Hopkinsville	4.72	-0.15	4.57	+1.08	4.04	-0.30	4.68	+0.28	9.71	+5.65	3.33	-0.45	1.99	-1.99	3.61	+0.17	4.85	+1.32	4.09	-0.64	4.11	-0.07	4.52	-0.26	52.31	+7.66
Lovelaceville	6.64		3.87		3.76		4.02		8.58		4.61		1.85		4.72		6.13		2.40		4.26		2.18		52.76	
Marion	4.70	-0.67	6.30	+3.26	2.65	-1.95	2.80	-1.66	7.20	+2.91					3.48	-0.20	6.70	+3.80	2.61	-0.64	3.99	+0.10	3.27	-1.11	46.20	+2.20
Mayfield	4.08	+0.03	4.80	+1.16	3.06	-1.93	4.83	+0.33	7.52	+2.16	5.17	+1.84	2.76	-1.13	4.27	+0.70	4.34	+1.29	1.88	-0.75	3.27	-1.11	2.46	-2.20	47.47	+3.43
Murray	5.58		2.68		3.80		3.05		7.10		4.76		2.70		3.75		5.84		3.73		3.04		4.44		49.88	
Owensboro	4.44	+0.41	3.87	-0.04	2.08	-2.46	3.47	-0.59	8.55	+4.62	2.97	-0.78	1.27	-2.10	3.18	-0.18	5.26	+2.34	2.41	-0.21	2.94	-1.02	2.54	-2.24	43.12	+1.87
Owensboro No. 2	6.07		4.20		2.36		3.54		8.84		3.14		0.93		2.84		6.14		3.22		3.54		4.44		48.46	
Paducah (near)	5.9	+2.74	4.21	+1.55	3.97	+1.35	4.7	-0.77	9.74	+3.85	6.28	-2.40	3.95	+1.06	5.60	+0.14	6.81	-3.65	3.22		2.54		3.24		59.41	
Paducah	7.44	+2.94	3.84	+0.48	3.37	-1.00	4.96	+0.29	9.47	+3.58	6.91	+2.66	5.48	+1.91	5.88	+0.42	8.66	+5.61	1.59	-1.44	3.76	-0.31	3.23	-2.02	63.14	+16.55
Princeton	4.85	-0.61	5.74	+1.56	2.89	-2.16	4.26	+0.06	6.91	-2.34	5.79	+2.22	3.09	-0.57	3.86	+0.48	5.01	-0.14	6.81	-3.65	1.49	-1.44	3.56	-0.47	53.57	+6.57
Rumsey, Lock No. 2†	4.08	+1.42	3.63	+0.92	2.88	-1.74	3.76	0.46	7.32	+3.48	2.66	1.13	1.92	-0.45	4.25	-0.53	2.42	+0.13	3.37	-0.47	5.67	+0.79	4.16	-1.28	47.49	+7.28
Russellville	4.73	0.65	4.03	+0.36	3.23	-2.17	5.27	+0.44	7.78	+3.89	2.83	-0.62	4.17	-0.09	3.74	+1.05	2.68	-0.18	2.44	-1.27	3.16	-0.85	3.29	-0.53	48.75	+3.33
Uniontown	5.34		2.57		2.36		3.55		8.32		3.20		1.57		5.84		8.18		1.56		2.84		3.08		47.59	
CENTRAL DIVISION.																										
Addison	5.17		2.80		2.94		4.89		7.89		2.98		1.97		1.70		4.77		3.66		3.31		3.77		45.98	
Anchorage	4.98	+0.79	2.97	-0.79	2.58	-1.90	3.92	-0.68	8.85	+4.04	3.93	+0.80	4.23	-0.11	0.80	-0.90	3.62	-1.25	4.43	-1.40	3.59	-0.84	3.13	-0.84	46.64	+3.67
Bardstown	4.46	-0.25	3.66	-0.07	2.86	-1.93	3.04	-0.81	9.23	+5.66	3.40	-0.69	4.80	+0.86	0.87	-0.83	2.92	+0.06	4.43	-1.24	5.60	-0.72	4.38	+0.42	46.62	+3.67
Bowling Green	3.74	-1.17	3.48	+1.51	3.01	-1.78	3.03	-0.82	9.21	+5.64	3.40	-0.69	4.80	+0.86	0.87	-0.83	2.92	+0.06	4.43	-1.24	5.60	-0.72	4.38	+0.42	46.62	+3.67
Do. No. 2	4.91		1.97		3.52		4.22		8.12		4.69		2.61		1.78		2.71		4.99		3.73		3.25		46.21	
Brownsville, Lock No 6†	5.03	-0.57	3.87	-0.33	4.45	-2.25	3.91	-1.13	6.45	+0.93	3.87	-0.03	1.84	+1.26	2.61	-2.09	2.87	-0.81	5.27	+2.07	4.00	-0.55	3.74	-1.22	47.45	+2.46
Burnside	4.61	0.04	4.76	+0.67	2.99	+3.75	3.95	-0.25	6.52	+2.53	6.07	+1.95	4.76	-0.13	1.74	-2.42	3.84	+3.04	2.08	-0.40	4.48	-0.96	2.46	-2.14	52.49	+9.28
Carrollton, Lock No. 1	4.93	+1.43	3.86	-0.75	2.13	-1.45	4.52	+0.86	8.29	+4.18	5.27	+1.24	4.28	+1.53	2.59	-0.91	4.09	-1.13	4.19	-1.85	3.92	+0.74	3.59	-1.22	56.20	+10.22
Cold Spring, Dam 36	4.93		2.46		2.98		3.80		7.65		4.03		4.24		1.78		6.75		3.07		4.80		3.59		49.04	
D x Dam, Burgin	5.78		3.38		3.02		2.80		7.65		4.03		4.24		1.78		6.75		3.07		4.80		3.59		49.04	
Eubank	3.91	-0.53	3.93	+0.07	7.25	+2.27	3.86	0.04	7.67	+3.29	4.26	+0.28	3.62	-0.92	1.18	-3.19	2.93	-0.58	3.21		3.82		1.46		41.18	
Frankfort	4.13	0.00	2.45	0.77	2.34	-2.22	2.16	1.70	8.89	+4.77	1.71	-2.52	3.52	+1.21	0.96	-2.82	4.68	+1.96	2.48	-0.24	3.32	+0.15	1.56	-2.27	40.11	+1.71
Franklin	5.13	1.0	5.28	+0.40	4.48	0.45	5.55	-1.17	6.46	-2.06	5.35	+1.70	5.43	+1.23	2.20	-1.24			3.60	+1.09	3.45	-0.19	2.90	-0.89	52.03	+2.22
Ges., Lock No. 3	4.88	+1.78	2.60	0.97	2.21	-2.07	3.4	0.56	8.85	+3.60	2.98	-1.05	4.94	+0.92	1.45	2.48	5.58	+2.48					2.90	1.02		
Grant, Dam 3	4.38		1.88		2.95		4.33		9.17		4.35		3.47		1.16		4.70		2.06		2.82	-1.26	2.22	-1.78	46.45	+1.84
Greensburg	5.19	+0.39	4.51	+0.61	5.83	+0.66	4.59	+0.66	6.76	-2.42	3.82	+1.63	2.23	-2.02	2.74	-1.40	2.33	-0.62	4.04		2.82		1.45	40		
High Bridge, Lock No. 7	3.67	+0.70	4.13	+0.85	3.61	0.84	2.9	-0.81	8.91	-1.06	2.59	1.33	1.90	-2.36	0.76	-3.09	6.16	+3.15	5.58	+2.71	5.15	+1.44	2.65	-1.03	51.29	+2.16
Irvington	4.82	+0.46	2.71	+0.42	2.46	2.34	3.76	0.28	3.18	-4.46	1.56	-2.29	3.61	-0.20	0.62	-2.55	4.20	+1.21	5.05	+0.11	3.64	+0.35	1.84	-2.64	38.80	-6.75
Junction City	5.51	+0.55	4.41	+0.67	6.14	+0.37	3.96	1.02	8.24	+1.85	2.49	1.51	3.97	-0.33	0.53	3.02	3.68	+0.46	4.29	+0.94	3.89	-0.43	3.28	-0.48	54.23	+6.23
Lancaster	3.71		3.36		5.42		3.15		6.76		3.83		2.49		1.21		5.21		3.07		3.63		1.04		47.57	
Leitchfield	5.85	+1.20	4.76	+0.28	3.46	-1.22	3.45	-0.93	8.27	+5.15	3.81	-0.42	2.23	-1.72	0.77	-3.14	3.40	-0.67	5.46	+2.73	4.52	+0.86	4.34	-0.69	49.36	+1.51
Lexington	2.85	1.85	3.55	0.29	3.67	-0.07	2.99	-0.51	5.59	+1.78	4.25	+0.26	4.19	+0.47	1.49	-1.06	4.35	+1.28	2.99	+0.40	3.92	-0.58	1.88	-1.85	41.45	-1.50
Lockport, Lock No. 2	3.29	1.15	4.77	+0.68	2.66	-1.43	4.00	-0.84	7.61	+3.01	5.01	+0.47	5.18	0.84	2.60	-1.48	4.36	+1.47	4.71	+1.40	3.61	+0.16	1.75	-1.96	46.11	+0.74
Louisville	2.77	0.24	2.12	1.39	2.50	-2.10	4.33	-0.43	7.16	+3.44	4.46	+0.64	1.05	2.61	1.45	-1.97	3.21	+0.48	4.46	+1.76	3.50	+0.81	2.86	-1.45	46.24	+0.78
Do (Cherokee Park)	4.76	0.34	2.27	0.51	2.87	-1.39	4.22	-0.22	11.21	+7.25	4.69	+0.60	1.36	3.24	1.35	-2.44	4.15	+0.68	4.14	+0.76	4.16	+0.92	3.15	-0.95	48.95	+2.64
Monticello	5.77		4.54		4.71		3.66		4.80		2.52		3.11		1.68		2.55	+0.66	4.95		3.99		2.99		42.50	
St John	5.2	0.05	3.57	0.15	1.91	-3.05	4.00	0.18	8.88	+4.81	2.53	-1.56	1.56	-1.90	0.31	-3.54	5.78	+0.78	4.96	+2.13	5.57	+1.84	3.10	-1.45	45.55	-1.29
Salvisa, Lock No. 6	4.22	-0.75	4.65	+1.11	4.15	-0.98	3.48	+0.05	8.25	-4.67	3.54	-1.03	5.78	+1.87	1.27	-2.21	4.75	+0.96	3.90	+1.70	4.96	+2.02	2.79	-1.89	51.15	+3.64
Scott	4.23	+0.49	1.55	1.10	2.55	-2.66	4.87	-1.23	7.87	+3.91	4.62	+1.03	4.97	+1.35	1.68	-1.99	6.40	+3.75	4.32	+1.25	5.76	+2.83	2.45	-1.48	50.34	+6.85
Shelbyville	5.85	+1.63	3.15	0.42	2.65	-1.24	4.38	+0.54	9.45	+5.48	1.71	-2.69	5.85	+1.56	0.78	-2.78	5.39	+2.67	4.68	+1.86	4.27	+0.78	3.52	-0.81	51.46	+6.26
Taylorsville	5.34	+0.88	2.46	-0.76	3.68	0.96	3.80	-1.07	7.04	+3.07	3.58	-0.33	6.71	+2.87	3.81	-0.30	4.99	+1.68	3.59	+0.27	4.07	0.00	3.67	+0.35	52.83	+9.03
Tyrone, Lock No. 5	3.77	-0.96	3.35	+0.12	2.21	-1.82	2.95	1.49	5.05	+1.11	3.37	-0.96	3.76	0.28	0.75	-3.09	5.52	+2.66	4.05	+1.85	5.12	+1.79	3.10	-1.30	48.2	+1.98
Williamstown	4.85	+1.23	2.03	-0.70	3.19	-1.19	4.39	+1.00	7.53	+3.36	3.55	-0.29	3.13	0.43	1.48	-2.71	5.01	+2.05	4.82	+1.91	4.45	+1.58	2.62	-0.86	47.21	+3.66
Woodbury, Lock No. 4†	5.07	-0.01	4.28	+0.72	2.83	-2.61	4.49	-0.05	8.05	-4.61	4.55	-0.01	0.98	-2.17	2.56	-1.94	2.29	-0.63	3.92	+0.26	0.02	-1.07	3.82	-0.61	45.51	-2.85
EASTERN DIVISION.																										
Ashland	4.12	-0.19	2.91	-0.15	4.07	-0.67	2.88	0.97	5.11	-1.16	3.09	0.45	5.55	+1.50	2.59	-1.74	3.06	+1.15	5.89	+3.14	4.03	+0.75	1.98	-1.43	45.55	+2.95
Beattyville	4.61	-0.73	4.18	+0.31	7.74	+2.71	2.94	1.21	7.02	-2.58	6.07	+1.53	3.02	0.84	2.61	-1.87	5.02	-1.92	3.68	+0.93	3.97	+1.03	2.77	-1.56	50.88	+4.49
Berea	5.13	-0.37	4.62	+1.55	7.16	+2.76	3.42	0.56	7.42	-2.85	6.07	+1.53	3.02	0.84	2.61	-1.87	5.02	-1.92	3.68	+0.93	3.97	+1.03	2.77	-1.56	50.88	+4.49
College Hill, Lock No. 12	4.15	-0.31	3.33	+0.67	5.19	+1.28	3.37	-0.05	7.04	+3.07	3.58	-0.33	6.71	+2.87	3.81	-0.30	4.99	+1.68	3.59	+0.27	4.07	0.00	3.67	+0.35	52.83	+9.03
Cynthiana	3.89	-0.31	2.38	-0.50	2.42	-3.85	2.49	-1.59	5.88	-2.62	3.48	-0.16	2.57	-0.72	1.01	-3.57	7.07	+3.46	3.23	-0.05	3.67	+0.35	2.83	-1.36	42.19	-1.34
Dorton													2.57		2.57											
Falmouth	4.59	+0.01	1.99	-1.24	2.88	-1.97	3.78	+0.16	7.45	3.89	4.79	+0.59	3.71	+0.66	1.39	-2.45	3.29	+0.89	3.61	-1.07	3.44	+0.10	2.01	-1.40	42.87	-1.43
Farmers	3.94	0.05	4.46	-1.36	4.09	0.46	1.85	-2.27	7.71	+3.88	5.17	+0.06	0.85	+5.20	2.23	-2.11	5.64	+2.64	3.85	-0.61	5.11	+2.07	2.87	-1.62	54.75	-8.12
Flemingsburg	4.15		3.50		3.80		2.57		6.88		6.70		2.84		2.90		5.02		4.48		3.67		2.15		49.38	
Ford, Lock No. 10	3.89	-0.97	2.72	+0.81	3.21	0.61	2.06	-1.87	6.71	+3.72	4.39	+0.71	4.50	-0.15	1.77	-2.78	4.81	+1.17	2.58	-0.64	3.44	+0.10	2.01	-1.40	42.87	-1.43
Grayson	3.38		3.17		4.57		1.96		7.93		3.86		3.90		1.96		3.58		3.11		3.67		2.15		49.38	
Greenup, Dam 30	3.46	-0.26	2.87	-0.14	4.13		1.52	1.87	7.97	+4.39	3.10	-1.26	5.55	0.80	2.48	-0.70	2.40	+0.03	3.02	-1.18	4.04	+0.47	1.52	-1.92	47.34	
Harlan													6.66		1.83		4.58		3.27		4.50		46.37			
Hazard	3.61		5.72		7.18		3.48		6.13		4.66		5.68		3.87		4.46		2.16		6.21		2.85		52.08	
Heidelberg, Lock No 14	4.27	-0.51	3.92	0.13	8.69	+4.15	2.60	0.09	8.85	+4.68	3.93	0.75	5.23	+0.78	1.94	-2.58	5.38	+1.82	4.66	-0.21	4.37	+0.26	2.16	-1.28	52.68	+7.26
Jenkins	3.74		3.97		7.53		4.21		5.96		5.06		2.28		2.03		8.71		5.47		7.61		5.77		57.84	
Louisa	2.89	0.52	2.82	-0.51	3.63	0.49	3.82	+0.31	6.28	+2.21	7.85	-0.94	1.83	+2.38	2.58	-1.32	3.06	0.42	6.50	+3.40	4.87	+1.40	1.95	-1.55	47.21	-4.67
Manchester	3.93	-0.04	2.46	0.71	2.88	-1.70	2.81	0.70	5.59	+1.64	5.5	+1.56	5.26	0.58	2.25	-1.81	5.89	+2.65	2.74	-0.12	3.87	+0.85	2.98	-1.58	47.21	-4.67
Maysville	4.05	-0.79	4.61	-0.60	10.98	+4.62	4.00	-0.27	5.87	+1.92	6.02	+2.17	4.24	-1.15	0.56	-3.37	4.84	+1.96	4.39	-1.53	5.98	+2.27	2.98	-1.57	62.20	+7.47
Middlesboro	4.66	-0.08	2.81	-0.94	3.63	-1.56	2.81	1.58	8.35	+4.04	4.06	+0.10	6.47	-1.66	2.96	-1.15	4.26	+1.32	2.81	-0.10	3.68	0.26	2.58	-1.75	45.32	-4.56
Mount Sterling	4.89		2.37		3.10		4.28		7.89		4.81		5.43		2.75		6.66		3.10		4.58		2.84		51.96	
Oneonta, Dam No. 35	3.92		3.78		7.14		4.28		7.93		3.75		3.78		3.58		2.89		4.15		4.27		2.37		54.58	
Ravenna, Lock No. 12	3.19	-0.77	3.75	+0.77	5.39	+2.25	2.42	-0.67	7.11	+2.99	2.72	1.64	5.05	-1.17	3.03	-1.84	5.02	+1.96	2.89	-0.67	3.87	+0.98	1.96	-1.75	46.07	-5.05
Richmond	3.96	-0.55	4.12	+0.68	5.43	+0.98	2.13	1.59	7.78	+4.09	1.69	+0.14	5.83	-1.85	1.94	-1.66	3.74	+0.96	2.24	-0.49	3.87	+0.98	1.96	-1.75	46.07	-5.05
Salyersville, Dam No. 32	5.28	-0.28	4.70	-1.51	4.59	0.73	2.40	1.68	8.58	+4.87	5.64	+2.12	3.12	1.12	1.06	-2.68	6.71	+3.83	4.56	-0.36	4.06	+0.68	1.93	-2.04	54.10	-5.76
Tilteshurg	3.92		2.66		5.08		1.78		7.93		3.75		3.78		3.58		2.89		4.15		4.27		2.37		54.58	
Tillmansburg	4.74	+0.15	3.49	0.11	5.11	+1.17	4.37	+0.09	5.73	+1.82	5.04	+1.21	2.05	-1.44	2.43	-2.25	5.04	+1.86	1.54	-1.23	3.81	+0.79	2.58	-1.75	45.32	-4.56
Willow, Lock No. 13	3.16	1.78	2.32	0.24	7.63	-2.14	2.45	-0.33	6.70	+2.40	4.55	-0.29	2.55	-2.05	-1.94	4.97	-0.74	4.10	3.00	-1.18	2.10	-2.24	2.24	-1.58	42.58	-5.30

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

T. Precipitation is less than .01 inch rain or melted snow.

†Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Monthly and Annual Mean Temperatures for the Year 1929, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure
WESTERN DIVISION.																										
Beaver Dam	35.6	+ 1.0	31.4	- 4.8	54.7	+ 7.1	61.8	+ 5.9	65.8	- 0.5	73.6	- 0.6	79.6	+ 1.8	75.8	- 0.6	71.6	+ 0.1	58.8	- 0.2	45.2	- 1.7	39.8	+ 2.7	57.8	+ 0.8
Calhoun	35.3	- 1.4	31.3	- 6.4	53.9	+ 4.7	61.4	+ 3.0	65.0	- 2.1	73.1	- 2.3	79.1	+ 1.1	75.1	- 2.3	70.4	- 1.6	58.7	- 1.3	45.2	- 3.0	40.8	+ 2.6	57.4	- 0.8
Earlington	36.0	+ 0.7	32.4	- 3.9	54.4	+ 6.7	61.8	+ 4.5	65.6	- 1.6	73.6	- 2.1	80.1	+ 1.6	75.6	- 1.5	70.0	- 1.4	58.5	- 1.1	44.4	- 3.4	41.0	+ 2.4	57.8	+ 0.2
Greenville	36.0	+ 0.4	31.6	- 7.7	*53.6	+ 5.4	*61.2	+ 3.8	64.6	- 0.1	71.8	- 3.1	*78.1	+ 1.4	74.4	- 2.3	*69.2	- 1.8	57.4	- 1.9	45.1	- 2.7	*39.5	+ 0.8	56.9	- 0.7
Hopkinsville	36.8	- 0.7	32.8	- 5.6	50.4	+ 1.1	60.6	+ 3.3	65.8	- 1.3	73.8	- 1.7	78.7	.....	75.0	.....	69.8	.....	59.4	.....	46.0	.....	40.2	.....	57.8	.....
Loveladeville	34.7	.....	31.8	.....	54.2	.....	61.0	.....	64.2	- 2.5	.....	.....	.....	.....	73.1	- 4.9	69.8	- 2.6	59.0	- 1.1	44.6	- 3.7	40.5	+ 2.2	.....	.....
Marion	35.2	- 0.6	30.0	- 7.0	53.0	+ 4.5	61.0	+ 3.4	66.1	- 0.1	*74.2	- 0.5	79.7	+ 1.8	*76.2	- 1.2	*71.2	- 0.8	*60.6	+ 0.4	*46.2	- 2.6	*43.4	+ 3.9	58.8	+ 0.5
Mayfield	35.0	+ 0.4	33.6	- 5.7	54.6	+ 3.7	62.2	+ 4.3	66.1	- 0.1	*74.2	- 0.5	79.7	+ 1.8	*76.2	- 1.2	*71.2	- 0.8	*60.6	+ 0.4	*46.2	- 2.6	*43.4	+ 3.9	58.8	+ 0.5
Murray	37.6	.....	32.8	.....	54.7	.....	62.4	.....	65.5	.....	73.9	.....	.....	.....	74.6	.....	70.0	.....	57.3	.....	44.8	.....	40.5	.....	57.9	.....
Owensboro	37.0	+ 0.4	33.6	- 5.7	54.7	+ 3.7	62.4	+ 4.3	66.1	- 0.1	*74.2	- 0.5	79.7	+ 1.8	*76.2	- 1.2	*71.2	- 0.8	*60.6	+ 0.4	*46.2	- 2.6	*43.4	+ 3.9	58.8	+ 0.5
Paducah (near)	37.6	.....	32.8	.....	54.7	.....	62.4	.....	65.5	.....	73.9	.....	.....	.....	74.6	.....	70.0	.....	57.3	.....	44.8	.....	40.5	.....	57.9	.....
Princeton	35.2	- 0.6	30.0	- 7.0	53.0	+ 4.5	61.0	+ 3.4	66.1	- 0.1	*74.2	- 0.5	79.7	+ 1.8	*76.2	- 1.2	*71.2	- 0.8	*60.6	+ 0.4	*46.2	- 2.6	*43.4	+ 3.9	58.8	+ 0.5
Russellville	35.6	+ 0.1	30.7	- 6.7	*51.9	+ 3.1	*60.0	+ 2.0	65.2	- 0.7	73.6	- 1.3	79.1	+ 1.4	*74.7	- 3.0	70.6	- 1.3	57.2	- 2.2	*43.2	- 4.1	38.5	+ 0.1	56.7	+ 0.5
CENTRAL DIVISION.																										
Anchorage	*31.2	- 1.8	28.7	- 4.3	*50.6	+ 5.5	58.0	+ 4.8	*62.4	- 1.7	69.6	- 2.3	74.9	- 1.1	*72.2	- 2.5	66.6	- 1.9	54.2	- 2.6	41.3	- 3.0	36.0	+ 2.4	53.8	- 0.7
Bardstown	34.8	- 0.5	30.8	- 4.9	52.1	+ 4.3	61.4	+ 5.8	64.8	- 1.2	72.3	- 2.2	76.6	+ 1.1	74.5	- 2.5	74.4	- 1.1	56.1	- 3.0	44.5	- 2.2	39.8	+ 3.0	56.4	- 0.8
Bowling Green	37.0	0.0	33.6	- 4.0	55.0	+ 6.5	62.4	+ 4.1	67.6	+ 0.2	75.0	- 0.8	79.9	+ 1.2	77.1	- 0.6	72.8	+ 0.6	59.2	- 0.0	46.2	- 1.4	41.4	+ 2.9	59.0	+ 0.9
Dix Dam	36.6	.....	32.6	.....	52.2	.....	60.9	.....	65.0	.....	72.1	.....	.....	.....	75.8	.....	70.4	.....	58.9	.....	45.6	.....	40.4	.....	57.0	.....
Eubank	35.4	+ 0.4	32.7	- 2.1	50.6	+ 4.5	58.6	+ 4.3	63.4	- 0.6	70.6	- 0.8	75.6	+ 0.7	72.9	- 0.9	69.8	+ 1.3	55.5	- 1.4	45.0	- 0.1	36.5	+ 0.1	54.7	- 0.4
Frankfort	34.6	- 1.4	30.8	- 5.1	51.8	+ 5.2	60.3	+ 5.0	64.0	- 1.2	71.8	- 1.8	76.8	- 0.1	74.8	- 2.0	.....	.....	.....	.....	.....	.....	42.4	+ 2.2	.....	.....
Franklin	34.6	- 1.4	30.8	- 5.1	51.8	+ 5.2	60.3	+ 5.0	64.0	- 1.2	71.8	- 1.8	76.8	- 0.1	74.8	- 2.0	.....	.....	57.0	- 0.1	45.4	+ 0.2	39.8	+ 3.5	56.0	+ 0.2
Greensburg	38.0	- 0.6	33.8	- 5.2	54.9	+ 5.3	62.3	+ 3.1	67.6	+ 0.9	75.6	+ 0.4	80.6	+ 2.8	74.8	+ 0.1	70.3	+ 0.7	57.2	+ 0.5	44.2	- 2.4	39.0	+ 2.3	56.4	- 0.1
Irvington	35.6	+ 0.9	30.7	- 4.2	51.6	+ 5.0	58.4	+ 3.2	62.8	- 2.0	70.8	- 2.5	74.0	- 2.6	*75.4	+ 0.7	69.5	- 0.8	57.2	+ 0.5	44.2	- 2.4	39.0	+ 2.3	55.6	+ 0.2
Jamestown	33.8	- 1.8	31.0	- 5.1	52.6	+ 5.4	60.6	+ 4.7	64.4	- 1.5	71.3	- 2.0	77.6	+ 0.3	73.4	- 3.0	70.6	+ 1.2	53.0	- 4.8	44.4	+ 0.5	39.0	+ 2.8	56.7	+ 0.6
Junction City	35.2	+ 0.1	31.0	- 3.6	51.3	+ 5.2	59.6	+ 4.7	63.1	- 1.5	70.6	- 1.5	75.8	+ 0.1	74.0	- 0.5	70.6	+ 1.2	57.1	- 1.0	44.4	- 2.5	39.1	+ 2.8	56.2	- 0.8
Leitchfield	35.1	+ 0.1	31.1	- 4.1	53.1	+ 6.6	60.4	+ 5.0	64.0	- 1.1	72.1	- 1.1	77.9	+ 1.3	75.8	+ 0.2	70.4	+ 0.6	57.1	- 1.0	44.4	- 2.5	39.1	+ 2.8	56.7	+ 0.6
Lexington	32.6	- 0.9	29.2	- 6.2	49.4	+ 5.6	57.8	+ 3.5	62.2	- 2.1	70.6	- 1.6	75.0	- 0.9	72.4	- 2.1	68.2	- 0.3	55.1	- 2.3	41.8	- 3.0	36.3	+ 0.5	54.2	- 0.8
Louisville	31.8	- 2.6	30.7	- 6.5	51.5	+ 6.1	60.0	+ 3.6	63.6	- 3.0	72.2	- 2.5	77.8	- 0.8	75.0	- 2.0	69.2	- 1.3	57.0	- 2.3	42.8	- 3.9	37.2	- 0.4	55.7	- 1.3
Do. Cherokee Park	32.4	- 1.9	30.0	- 6.5	52.4	+ 6.2	59.7	+ 3.5	62.6	- 1.8	69.9	- 2.5	75.4	- 0.5	73.2	- 1.3	67.8	- 1.5	58.9	- 2.1	43.2	- 3.4	38.0	+ 1.9	55.0	- 0.8
St. John	32.3	- 1.5	29.9	- 4.6	50.8	+ 5.3	58.2	+ 3.6	61.7	- 2.6	70.3	- 2.4	77.2	+ 1.2	74.0	- 0.9	67.4	- 1.9	57.8	+ 0.1	42.8	- 2.9	38.8	+ 0.4	54.8	- 0.4
Scott	29.2	- 3.1	28.0	- 4.2	49.7	+ 6.0	57.0	+ 3.8	60.0	- 3.4	68.2	- 3.5	73.0	- 2.9	70.4	- 4.4	67.9	- 1.2	54.3	- 3.1	41.4	- 3.1	36.1	+ 0.7	53.8	- 1.4
Shelbyville	31.6	- 1.8	28.0	- 6.5	49.8	+ 4.9	57.4	+ 2.7	61.5	- 3.1	69.6	- 2.7	74.6	- 1.9	73.4	- 1.8	68.0	- 1.3	54.8	- 2.9	43.4	- 1.4	37.6	+ 2.4	55.0	- 0.2
Taylorsville	33.8	- 0.4	29.2	- 4.2	51.3	+ 4.7	58.0	+ 3.5	62.8	- 1.8	71.9	- 0.6	75.7	- 0.4	74.3	0.0	68.4	+ 0.4	54.2	- 2.1	41.9	- 3.2	36.8	+ 3.3	53.8	- 0.3
Williamstown	30.2	- 2.2	27.8	- 4.2	49.2	+ 4.6	57.6	+ 4.8	61.7	- 1.9	69.9	- 1.3	74.6	- 1.1	72.0	- 2.2	68.8	+ 0.2	55.2	+ 0.1						
EASTERN DIVISION.																										
Ashland	32.7	- 2.5	30.0	- 6.8	48.2	+ 0.6	59.4	+ 3.6	64.0	+ 0.1	71.2	- 2.7	74.8	- 1.3	71.5	- 4.0	69.0	- 1.4	54.5	- 3.2	44.2	- 2.7	36.6	- 2.7	54.7	- 1.9
Beattyville	35.2	+ 0.3	31.2	- 4.5	50.2	+ 4.3	60.0	+ 5.5	63.4	- 0.8	70.4	- 2.3	75.1	- 0.8	71.2	- 3.9	68.0	- 1.8	54.6	- 3.2	44.5	- 0.3	38.8	+ 3.1	53.2	- 0.4
Berea	35.5	- 0.9	31.2	- 5.1	52.6	+ 5.5	60.8	+ 5.5	64.3	- 0.9	71.4	- 1.5	76.5	+ 0.4	74.2	- 0.2	70.0	+ 0.7	57.2	- 1.4	45.2	- 2.1	39.8	+ 3.2	56.6	+ 0.3
Burton											69.4	.....	73.6	.....	71.3	.....	.....	.....	54.8	.....	44.1	.....	41.2	.....	53.5	- 1.5
Farmers	34.8	0.0	*29.1	- 7.5	49.2	+ 3.9	57.9	+ 3.2	61.8	- 1.0	*68.1	- 2.9	*72.4	- 2.3	68.6	- 5.2	66.2	- 2.0	*52.6	- 4.0	*43.1	- 2.0	37.8	+ 1.8	54.0	+ 0.6
Maysville	33.0	+ 0.1	30.0	- 4.7	50.0	+ 5.4	59.2	+ 5.1	62.4	- 2.2	69.6	- 3.6	*76.0	+ 1.6	*74.0	- 0.2	69.1	+ 0.2	*51.9	- 5.5	*42.2	- 1.2	*36.3	+ 0.9	53.5	- 0.9
Middlesboro	39.3	+ 0.1	36.7	- 3.1	52.0	+ 3.5	60.6	+ 4.0	65.2	+ 0.7	*72.2	- 0.2	*76.4	+ 1.4	70.4	- 3.6	66.4	- 1.6	53.3	- 2.6	42.2	- 1.8	36.3	+ 0.9	55.5	- 0.9
Mt. Sterling	32.0	- 1.5	29.0	- 5.2	49.2	+ 5.2	58.1	+ 4.3	61.9	- 1.9	69.3	- 3.1	74.4	- 1.4	70.4	- 3.6	66.4	- 1.6	53.3	- 2.6	42.2	- 1.8	36.3	+ 0.9	53.5	- 0.9
Quicksand	37.4	.....	32.6	.....	50.8	.....	60.3	.....	66.2	.....	*72.5	.....	.....	.....	75.2	.....	68.6	.....	55.6	.....	45.7	.....	39.2	.....	56.2	.....
Richmond	35.2	+ 0.9	33.1	- 3.2	53.6	+ 7.6	62.2	+ 6.3	65.4	- 0.2	72.2	- 1.3	77.0	+ 0.3	74.8	- 0.7	71.5	+ 1.0	58.0	- 1.1	45.9	- 1.1	40.7	+ 2.7	57.5	+ 1.3
Williamsburg	40.1	+ 1.9	35.8	- 3.0	*52.3	+ 5.2	61.4	+ 4.9	65.9	+ 0.1	73.0	0.8	77.4	+ 0.7	74.8	- 1.2	70.6	+ 0.1	56.4	- 3.3	47.2	- 0.1	40.4	+ 1.3	57.9	+ 0.5

All temperature data are taken from self registering thermometers.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or divis on means.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or divis on means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILING FROSTS, 1929

STATIONS	Last in Spring.	First in Autumn.
WESTERN DIVISON		
Beaver Dam	April 2	Nov. 5
Calhoun	Mch. 17	do 5
Earlington	April 2	do 5
Greenville	do 2	do 5
Hopkinsville	Mch. 17	do 5
Lovelaceville	do 21	do 5
Marion	do 17	do 6
Mayfield	do 18	do 5
Owensboro	do 17	do 5
Paducah (near)	do 17	do 5
Princeton	do 17	do 5
Russellville	do 17	do 5
CENTRAL DIVISON		
Anchorage	April 2	Nov. 5
Bardstown	do 18	do 5
Bowling Green	Mch 18	do 5
Dix Dam	April 19	do 5
Eubank	do 19	Oct. 18
Falmouth	do 2	Nov. 5
Frankfort		
Franklin	do 19	do 5
Greensburg		
Irvington		
Junction City		
Leitchfield		
Lexington		
Louisville		
Do. Cherokee Park		
St. John		
Scott		
Shelbyville		
Taylorsville		
Williamstown		
EASTERN DIVISON		
Ashland	April 19	Oct. 18
Beattyville	do 19	do 18
Berea	do 19	Nov. 5
Burton	do 23	do 18
Farmers	do 23	Oct. 18
Maysville	do 19	do 18
Middlesboro	do 23	do 15
Mount Sterling	do 2	Nov. 5
Richmond	do 19	Oct. 18
Williamsburg		

MONTHLY SUMMARIES, 1929.

MONTH	Temperature.				Precipitation.		Average number of days.			
	State average.	Departure.	Highest.	Lowest.	State average.	Departure.	With .01 or more fall.	Clear.	Partly Cloudy.	Cloudy.
January	34.8	- 0.6	76	- 6	4.54	+ 0.13	13	9	7	15
February	31.2	- 5.4	68	- 14	3.58	+ 0.33	9	10	7	11
March	52.0	+ 5.7	94	9	4.37	- 0.52	10	13	8	10
April	60.1	+ 4.1	90	28	3.37	- 0.46	16	14	8	8
May	64.1	- 1.2	98	32	7.37	+ 3.17	14	12	7	11
June	71.7	+ 2.1	97	37	4.11	- 0.14	9	17	7	6
July	76.7	- 0.1	101	46	3.97	- 0.17	9	16	10	5
August	74.0	- 1.6	100	37	2.66	- 1.67	6	19	7	5
September	63.5	- 0.9	97	35	4.69	+ 1.86	11	13	8	9
October	56.4	- 1.8	85	25	3.65	+ 0.88	11	8	5	12
November	44.6	- 1.8	82	9	4.09	+ 0.46	11	8	6	16
December	39.0	+ 1.5	76	- 15	2.72	- 1.81	11	10	5	16
Annual means and extremes	56.2	- 0.3	101	- 15	48.46	+ 2.62	121	155	86	124

*Compared with 20 years' normal.

NOTE.—Tables and charts giving climatic data for Kentucky in detail during 1929 have been published for each month at the Kentucky section center. Weather Bureau Office, Louisville, Ky., and can be obtained from the Official in charge at that office. In lexes to special articles published during past yea s in Kentucky climatological reports may be found in the Monthly Report for June, 1909.

W. S. O. Jones, file 25.30 1100.

37.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION
JAMES L. KENDALL, Meteorologist.

VOL. XXXV LOUISVILLE, KY., JANUARY, 1930 No. 1

GENERAL SUMMARY.

Mild temperature predominated during the first two weeks and decidedly cold weather thereafter. In the warm period temperature fell but little below freezing on the coldest nights and springlike conditions prevailed. Grains and grass made some growth, while early shrubs and bulbous plants showed signs of budding. Peach buds gave evidence of expansion, which contributed to their injury in the weather that followed. A sharp change to colder on the 15th was followed by almost continuous subnormal temperature until the end of the month. By the morning of the 18th temperatures had fallen below zero and ranged from 5° to 20° over the State. It is believed that these severe temperatures largely killed peaches. Another spell of subzero temperatures occurred about the 23d. Snow accompanied the first cold wave, and occurred at intervals until the close of the month. A moderate amount remained on the ground through the severest weather, affording considerable protection to grains. Nearly all of the precipitation in the last half occurred in the form of snow. After freezing deeply near the middle of the month the soil remained in that condition, hence winter grains were but little affected by heaving. In the first two weeks frequent and often heavy rains caused flooding of lowlands in the western counties, with damage to grains from standing water. Supersaturation of flat land also caused considerable injury. Dirt and macadam roads deteriorated rapidly, retarding the movement of tobacco. Late in the month icy roads interfered with traffic. Despite the condition of the roads the movement of tobacco was large, because the long period of mild weather in the first half had been continuously favorable for handling the weed and had resulted in extensive preparation of the crop for market. The rather sudden onset of the cold weather and its persistence for such an extended period caused much suffering and privation.

TEMPERATURE.

Departures of 10° to 25° in excess of normal occurred on most days during the first two weeks. These were offset by frequent daily deficiencies of 10° to 24° in the latter half. As a result the State average of 34.6° for the 44 reporting stations was but little below normal. The 18th was the coldest day experienced in the State since January, 1918. The extremes were 75° at Williamsburg on the 9th and −20° at Murray on the 18th, which gives the extraordinary range of 95° for the month.

PRECIPITATION.

The average for the State, based on reports from 85 stations, was 4.85 inches, which is 0.50 inch greater than normal. There was a fairly regular decrease eastward from an excessively wet district in the extreme western counties, which received 11.00 inches, to a relatively dry area in the eastern mountain section, where only 1.5 to 2.0 inches occurred. Monthly amounts ranged between 0.48 inch at Pikeville and 11.10 inches at Mayfield. Rains were moderate in the periods 1st-3d and 27-28th, and moderate to excessive in the second week. The heaviest rains occurred in the western counties from the 7th to 9th. The snowfall reported from 75 stations averaged 3.8 inches. In the counties along the Ohio from the Tennessee to the Kentucky it ranged between 5.0 and 9.0 inches. A few southeastern counties received 6.0 inches or more. From 2.0 to 4.0 inches occurred in other parts of the State. Except to a limited extent on the Green, the heavy rainfall did not affect the upper basins of the rivers. Thunderstorms were reported from a few stations on the 13th and 14th.

PRESSURE AND WIND.

Stations	Atmospheric Pressure in inches reduced to sea-level. Average.	Highest	Date	Lowest	Date.	Wind *. Total movement	Average velocity.	Max. Velocity. Miles per hour.	Direction	Date
Cairo ..... Ill.	30.27	30.71	4	29.59	14	6665	8.9	31	NW	14
Cincinnati ..... Ohio.	30.24	30.76	4	29.59	14	5071	7.6	22	SW.	24
Evansville ..... Ind.	30.28	30.77	4	29.60	14	6290	8.2	33	SW	1
Lexington ..... Ky.	30.27	30.76	3	29.70	14	5428	12.7	33	[illegible]	[illegible]
Louisville ..... Ky.	30.27	30.79	4	29.62	14	7665	10.2	35	[illegible]	1

*For any five minute period. †By 2-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more	20 per cent or less
Cairo ..... Ill.	80	69	70	154.2	368.4	50	11	11
Cincinnati ..... Ohio.	90	77	74	127.7	303.1	42	6	13
Evansville ..... Ind.	78	65	71	129.3	305.9	42	11	10
Lexington ..... Ky.	88	78	..	110.7	305.9	36	6	15
Louisville ..... Ky.	83	68	73	161.6	305.9	53	9	12

COMPARATIVE DATA FOR JANUARY.

Year	Temperature. Monthly average	Departure from 40-year normal	Highest	Lowest	Precipitation. Monthly average	Departure from 40-year normal.	Average Number of Days. No. of days with .01 in or more rain.	Clear.	Partly Cloudy.	Cloudy.	Average snowfall
1899	38.0	+2.6	65	13	3.52	−0.83	..	..	..	..	..
1900	44.0	+8.6	77	10	6.43	+2.08	..	..	..	..	..
1901	37.0	+1.6	68	14	5.40	+1.05	..	..	..	..	..
1902	29.6	−6.4	65	−6	2.72	−1.63	..	..	..	..	..
1903	26.6	−9.4	57	−22	2.08	−2.27	..	..	..	..	..
1904	38.0	+2.6	58	−12	2.91	−1.44	..	..	..	..	..
1905	30.0	−5.4	58	16	5.71	+1.36	11	8	18	15	..
1906	36.1	+0.7	74	− 3	1.25	−3.13	6	9	16	15	..
1907	32.0	−3.4	75	−16	3.25	−1.10	8	11	9	12	4.2
1908	40.4	+5.0	72	6	8.76	+4.41	12	7	9	15	1.4
1909	34.4	−1.0	68	−18	6.23	+1.88	11	9	7	14	8.5
1910	35.2	+1.8	70	− 8	2.80	−1.55	8	12	8	11	0.9
1911	40.2	+4.8	78	4	1.85	−2.50	7	12	5	12	0.3
1912	33.7	−1.7	70	5	5.14	+0.79	12	5	5	12	2.4
1913	34.8	−0.6	82	− 9	2.50	−1.85	9	11	6	14	2.8
1914	32.3	−3.1	70	− 9	3.17	−1.18	10	13	5	13	2.5
1915	27.5	−7.9	50	−15	2.83	−1.52	11	10	5	16	12.8
1916	39.7	+4.3	80	− 9	3.48	−0.87	8	11	6	14	3.1
1917	43.2	+7.8	83	−11	8.02	+3.67	14	7	6	18	4.8
1918	35.0	−0.4	62	7	2.20	−2.15	8	13	5	13	1.0
1919	38	+2.9	57	− 8	3.47	−0.88	9	5	5	20	5.7
1920	30.8	−1.6	70	−20	4.41	+0.06	10	9	5	17	11.0
1921	39.7	+4.3	73	−16	2.88	−1.47	11	5	4	20	4.1
1922	25.9	−9.5	61	−20	3.09	−1.26	8	13	4	14	13.7
1923	42	+7.1	76	13	11.41	+7.06	14	8	6	17	1.4
1924	33.4	+4.0	79	5	2.83	−2.04	6	9	7	15	1.6
1925	28.0	−2.4	65	− 9	5.63	+0.68	13	8	5	18	7.6
1926	41.2	+5.8	78	− 5	7.27	+2.32	14	9	5	16	3.7
1927	36.7	+1.3	74	17	6.38	+2.03	12	7	5	19	12.0
1928	24.6	−14.8	62	−29	5.60	+1.74	14	5	5	21	23.8
1929	37.9	2.5	68	− 1	3.62	−0.73	7	15	8	6	1.6
1930	34.4	2.0	72	− 6	6.75	+2.40	19	10	6	15	9.7
1931	39.7	+4.7	71	12	3.06	−1.29	10	10	7	14	1.0
1932	34.6	−0.8	67	1	2.25	−2.10	8	12	8	11	1.1
1933	41.0	+5.6	68	11	6.11	+1.76	12	8	6	17	1.1
1934	33.2	−4.1	66	− 8	5.05	+0.70	9	15	5	11	4.2
1935	35.8	−0.4	66	9	2.60	−1.75	10	12	6	13	4.3
1936	44.4	1.0	69	11	4.61	−0.34	10	15	5	11	2.1
1937	35.8	−0.4	76	− 5	6.93	+1.98	12	10	5	16	2.2
1938	35.0	−0.4	78	8	2.47	−1.88	8	14	7	10	1.2
1939	31.8	0.6	56	6	1.54	−0.19	13	9	3	19	1.8
1940	34.6	0.8	57	20	4.85	−0.50	13	11	5	15	3.8

Climatological Data for January, 1930.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, inches.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	26	34.8	−0.8	68	9	−12	23	40	7.55	+3.28	1.70	7.0	11	13	4	15	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	26	34.0	−2.7	65	1	−10	18	35	8.28	+3.40	1.60	9.5	14	8	7	16	sw	W. A. Taylor.
Carlington	Hopkins	420	40	33.6	−2.0	65	1	−11	18	34	10.13	+5.76	2.40	6.0	13	13	1	17	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	386									7.22		1.92	5.5	13					P. H. McGinnis.
Greenville	Muhlenburg	519	13	33.7	−1.9	67	9	−15	18	38	7.37	+3.03	1.65	5.5	15	9	6	16	n.	C. R. Lovell.
Hopkinsville	Christian	524	34	34.0	−3.5	68	13	−12	18	38	7.01	+1.82	1.99	3.2	15	3	3	20	se.	W. E. Graves.
Lovelaceville	Ballard	....	1	31.2	.....	66	1	−15	18	34	9.51	.....	2.15	3.0	16	11	4	16	ne.	B. Sallee.
Marion	Crittenden	571	32	33.4	−2.4	65	1	−13	18	39	8.61	+3.98	1.50	5.8	12	13	3	15	ne.	B. C. Paris
Mayfield	Graves	364	21	33.4	−3.2	67†	1†	−17†	18	41†	11.10	+7.07	2.90	2.0	10	11‖	5‖	13‖	nw.	Mrs. C. R. Sowell.
Murray	Calloway	412	4	36.6	.....	67	1	−20	18	42	9.80	.....	2.62	5.8	12	11	4	16	s.	Harry B. Arnold
Owensboro	Daviess	479	33	31.1	−3.8	65	1	−17	23	34	6.42	+2.33	1.21	7.0	13	14	2	15	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	2	.....	.....	.....	.....	.....	.....	.....	7.67	.....	1.90	6.4	17	.....	.....	.....	.....	George McGlemary.
Paducah (near)§	McCracken	516	13	32.0	−3.9	65	1	−17	18	42	10.15	+4.99	2.30	6.0	12	11	2	18	nw.	J. W. Lilley
Paducah	McCracken	341	41	.....	.....	.....	.....	.....	.....	.....	8.64	+4.18	2.20	4.0	12	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	509	23	32.1	−3.5	64	1	−15	18	32	11.03	+6.75	3.15	6.5	14	11	2	18	n.	Dr. W. L. Cash.
Rumsey, Lock 2¶	McLean	384	13	.....	.....	.....	.....	.....	.....	.....	8.23	+4.62	2.55	7.5	16	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	19	32.8	−2.7	69*	9	−9*	18†	35*	5.83	+0.61	2.07	3.5	12	8‖	1‖	20‖	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	2	.....	.....	.....	.....	.....	.....	.....	7.50	.....	1.25	5.5	12	.....	.....	.....	.....	H. R. Sale
Central Division.																				
Addison, Dam 45	Breckinridge	352	2	.....	.....	.....	.....	.....	.....	.....	7.27	.....	1.74	6.5	15	.....	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	700	29	31.8	−1.0	65	9	−13	18†	33	5.97	+1.92	1.19	4.7	13	14	2	15	se.	C. E. Barret.
Baidstown	Nelson	687	33	35.6	+0.3	71	9	−10	18	40	5.83	+1.11	1.45	4.0	12	12	8	11	w.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	41	37.2	+0.2	70	9	−5	18	52	5.51	+0.60	1.38	2.9	13	.....	.....	.....	.....	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	5	.....	.....	.....	.....	.....	.....	.....	5.37	.....	1.38	2.9	13	.....	.....	.....	.....	Jas. R. Hines.
Brownsville, Lock 6¶	Edmonson	410	13	.....	.....	.....	.....	.....	.....	.....	6.52	+0.82	1.84	3.0	14	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	39	.....	.....	.....	.....	.....	.....	.....	2.65	−2.00	0.44	3.5	7	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	31	.....	.....	.....	.....	.....	.....	.....	4.66	+1.16	1.01	6.2	12	.....	.....	.....	.....	Shelby Angel.
Cold Spring, Dam 86	Campbell	489	4	.....	.....	.....	.....	.....	.....	.....	4.31	.....	0.82	4.1	18	.....	.....	.....	.....	Bert Koss.
Dix Dam, Burgin	Mercer	770	6	37.0	.....	72	9	−3	18†	38	3.82	.....	0.73	.....	12	10	5	16	nw.	G. D. Glass.
Eubank	Pulaski	1177	36	36.1	+1.1	71	9	−7	19	37	2.67	−1.80	0.50	6.8	8	9	4	18	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	38	36.0	0.0	70	9	−6	23	39	4.92	+0.88	1.15	3.0	14	8	3	20	s.	Sidney Wood.
Franklin	Simpson	691	35	37.8	−0.8	70	9	0	23	33	5.20	+0.74	1.15	1.0	14	14	13	4	s.	M. E. Johnson.
Gest, Lock 3	Henry	449	19	.....	.....	.....	.....	.....	.....	.....	5.61	+0.90	1.11	.....	17	.....	.....	.....	.....	Albert Purvis.
Grant, Dam 38	Boone	780	9	.....	.....	.....	.....	.....	.....	.....	4.87	.....	0.92	.....	16	9	0	22	n.	W. T. Dugen.
Greensburg	Green	581	37	36.4	+1.7	73	8	−5	18†	39	5.54	+0.74	1.39	2.0	15	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	28	.....	.....	.....	.....	.....	.....	.....	4.00	−0.39	0.84	3.6	12	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckinridge	646	32	33.8	−1.8	67	9	−10	18	35	5.83	+1.47	1.26	4.0	13	13	1	17	sw.	W. J. Piggott.
Junction City	Boyle	985	36	35.2	+0.1	72	9	−12	19	43	3.92	−1.07	1.12	2.0	17	13	7	11	se.	Caroline Grubbs.
Lancaster	Garrard	1082	4	.....	.....	.....	.....	.....	.....	.....	2.83	.....	0.70	.....	15	.....	.....	.....	.....	L. J. Vanhook.
Letchfield	Grayson	635	34	34.4	−0.6	68	9	−12	23	35	7.00	+2.35	1.70	3.5	13	10	7	14	s.	H. H. Willis.
Lexington	Fayette	989	46	32.6	−0.3	70	9	−6	18	33	4.44	+0.26	1.47	2.6	16	7	8	16	sw.	U. S. Weather Bureau.
Littlefickman, Lock 8¶	Jessamine	528	19	.....	.....	.....	.....	.....	.....	.....	4.12	−0.56	0.73	7.0	14	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	20	.....	.....	.....	.....	.....	.....	.....	5.02	+0.78	1.20	4.4	11	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	57	32.5	−1.9	66	9	−8	18	31	5.95	+1.95	1.32	3.7	16	9	6	16	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	20	33.9	−0.4	66	9	−10	18	39	6.14	+1.78	1.68	4.8	12	11	8	17	sw.	Wm. J. Hunt.
Munfordville	Hart	600	5	.....	.....	.....	.....	.....	.....	.....	6.23	.....	1.50	2.0	9	.....	.....	.....	.....	A. G. Hubbard.
St. John	Hardin	777	35	33.8	0.0	67	9	−10	23	39	6.34	+1.74	1.40	3.8	13	16	3	12	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	490	16	.....	.....	.....	.....	.....	.....	.....	5.18	+0.21	1.12	2.0	13	.....	.....	.....	.....	Ernest M. Searcy.
Scotts¶	Kenton	900	32	31.7	−0.6	62	1	−11	18†	37	4.31	+0.56	0.69	2.5	14	6	8	17	s	E. B. Wilson.
Shelbyville	Shelby	825	41	32.2	−1.2	68	9	−15	18	41	5.69	+2.43	1.19	6.2	18	11	0	20	sw.	Miss Ruth Ratta.
Taylorsville	Spencer	489	28	34.4	+0.2	68	9	−10	18†	40	4.75	0.00	0.97	2.5	13	.....	.....	.....	.....	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	526	12	.....	.....	.....	.....	.....	.....	.....	4.43	+0.80	0.73	2.5	12	13	9	9	w.	H. K. Vaughn.
Williamstown	Grant	948	27	33.7	−1.3	67	9	−10	18	39	6.40	+1.82	2.00	3.8	12	.....	.....	.....	.....	Miss Nettie B. Simpson.
Woodbury, Lock 4¶	Butler	533	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. J. Lewis.
Eastern Division.																				
Ashland	Boyd	534	13	30.6	−4.6	70	2	−1	19	28	2.12	−2.26	0.46	2.2	16	7	0	24	s.	Curtis Purvis.
Beattyville	Lee	650	26	35.6	+0.7	73	9	−9	19	44	2.67	−2.07	0.56	2.0	14	13	6	12	se.	Robert S. Smallwood.
Berea	Madison	1070	25	36.2	−0.2	71	9	−5	19	34	3.20	−1.55	0.76	3.5	14	.....	.....	.....	.....	Chas. C. Graham.
College Hill, Lock 11	Madison	601	20	.....	.....	.....	.....	.....	.....	.....	2.79	−1.99	0.60	3.2	15	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	12	.....	.....	.....	.....	.....	.....	.....	3.91	−0.20	1.00	5.0	15	.....	.....	.....	.....	P. H. Kehoe.
Dorton	Pike	....	....	39.8	.....	74	9	4	19	43	1.61	.....	0.38	4.9	11	12	7	12	.....	James Sowards.
Falmouth	Pendleton	600	41	.....	.....	.....	.....	.....	.....	.....	4.03	+0.35	0.85	3.6	16	.....	.....	.....	.....	J. V. Oldham
Farmers	Rowan	668	22	34.9	+0.1	72	9†	−15	19	49	3.39	−0.80	0.89	2.0	9	11	0	20	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	3	.....	.....	.....	.....	.....	.....	.....	5.11	.....	1.12	.....	12	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	14	.....	.....	.....	.....	.....	.....	.....	4.39	−2.09	0.55	3.0	13	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	5	.....	.....	.....	.....	.....	.....	.....	3.00	.....	0.76	4.0	13	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	9	.....	.....	.....	.....	.....	.....	.....	2.01	−1.71	0.47	3.0	17	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	2	38.2	.....	71	9	4	19	39	1.89	.....	0.60	2.3	9	9	7	15	sw.	W. W. Duffield.
Hazard	Perry	869	6	.....	.....	.....	.....	.....	.....	.....	1.44	.....	0.51	2.0	9	.....	.....	.....	.....	Chas. O. Ibrig.
Heidelberg, Lock 14	Lee	564	13	.....	.....	.....	.....	.....	.....	.....	2.69	−2.12	0.57	2.0	13	.....	.....	.....	.....	S. C. Cole.
Jenkins	Letcher	1566	5	.....	.....	.....	.....	.....	.....	.....	1.86	.....	0.78	.....	10	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	584	26	.....	.....	.....	.....	.....	.....	.....	1.68	−2.03	0.61	.....	9	.....	.....	.....	.....	Russian Copley.
Manchester	Clay	....	10	.....	.....	.....	.....	.....	.....	.....	1.40	−2.59	0.45	6.0	7	.....	.....	.....	.....	J. L. Manning.
Maysville	Mason	524	33	34.8	+1.9	71	9	−6	19†	38	2.91	−1.05	0.57	3.5	15	10	3	18	sw.	Perry E. Bennett
Middlesboro	Bell	1128	34	38.8	−0.4	68	9	−2	19	84	1.69	−3.06	0.60	1.6	6	10	20	1	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	40	32.7	−0.8	70	9	−10	19	82	3.90	−0.79	0.96	3.0	10	8	4	19	nw.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	8	.....	.....	.....	.....	.....	.....	.....	4.82	.....	0.84	3.1	19	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	24	.....	.....	.....	.....	.....	.....	.....	0.48	−3.65	0.16	T.	4	.....	.....	.....	.....	Robert Repass.
Prestonsburg	Floyd	640	5	.....	.....	.....	.....	.....	.....	.....	1.95	.....	0.49	3.0	11	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breathitt	732	5	37.4	.....	74	9	−3	19	46	2.48	.....	0.45	3.5	12	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	12	.....	.....	.....	.....	.....	.....	.....	2.10	−1.86	0.50	.....	10	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	39	37.1	+2.8	72	9	−3	23	35	2.78	−1.73	0.80	3.5	13	16	0	15	.....	J. W. Crooke.
Valley View, Lock 9	Madison	541	17	.....	.....	.....	.....	.....	.....	.....	2.47	−2.53	0.65	2.0	9	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	15	.....	.....	.....	.....	.....	.....	.....	3.36	−0.81	0.65	.....	13	.....	.....	.....	.....	H. M. Fannin.
Whitesburg	Letcher	1142	5	.....	.....	.....	.....	.....	.....	.....	1.43	.....	0.50	1.5	7	.....	.....	.....	.....	J. H. Zimmerman.
Williamsburg	Whitley	939	33	39.8	+1.1	75	9	−1	18	39	2.68	−1.94	0.55	2.5	9	25	4	2	.....	Lawrence R. Uhl.
Willow Lock 13	Lee	611	11	.....	.....	.....	.....	.....	.....	.....	1.40	−2.54	0.40	6.0	7	.....	.....	.....	.....	Jessie Hicks.
State averages and extremes		....	....	34.6	−0.8	75	9	−20	18	49	4.85	+0.50	3.15	3.8	13	11	5	15	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, h represents two days, etc. §Lone Oak.

* Also on other dates. †† Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

¶Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

Rivers.—As a result of the heavy rains of the second week in the lower basin of the Ohio, flood stages prevailed in the Evansville district from the 11th to 27th. The middle Green was above flood from the 10th to 12th and the lower Green from the 10th to 22d.

Errata for December, 1929.

Hopkinsville, days clear 5; partly cloudy 3.

Daily Precipitation for January, 1930.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G		.95					1.40	1.70	.50	.20		.30	1.10	.30			.50		.20											
Calhoun	G	T	.66	.01				1.56	1.60	1.08	.60	.12	.28	.80	.48		T	T	.37		T	.38	.06								
Farmington	O		.78					1.96	2.10	.78	.38	.14	.40	1.82	.50		T	T	.38			.41	.05								
Fords Ferry, Dam 50	O	T.	.79	T.				.58	1.92	.90	.86		.20	.75	.67		T.	T.	.20			.28	.11								
Greenville	G		.78					1.60	1.65	.54	.10	.20	.26	.91	.26		T.	.04	.33			.37	.02								
Hopkinsville	C	T.	.70					1.81	1.99	.46	.05	.02	.66	.35	.17		T.	.01	.20			.37	.02								
Lovelaceville	M	.01	.79					2.15	1.69	1.42	.29	.15	.84	.72	.57			.11	.09		T.	.36	.02								
Marion	M	T.	.68					1.40	1.50	1.06		.60	.65	1.50	.50			.20	.08				.35	T.							
Mayfield	M		.60					2.00	2.90	1.50	.90	*	1.50	1.10	.40				.26												
Murray	T	T	.83					2.08	2.62	.71	.54	.13	.48	.91	.31			.15	.43		T.	T				T.	.61	T.			
Owensboro	O	.05	.54					1.21	.96	.71	.77	.13	.96	.24	.51		T.	T.	.10			.22	.02								
Owensboro, Dam 46	O	.04	.62	.14				.04	1.90	1.25	.89		.27	1.31	.59		.03	.01	.24			.37	.01								
Paducah (near) ¶	O		.90					2.30	1.70	1.32	.86	.35	.82	.86	.60				.18			.38					.01	.05			
Paducah ‡	O	T.	.71					.81	2.20	1.31	.85		.25	1.42	.56				.24			.10					.16	.16			
Princeton	G	.02	.62					.05	1.90	3.15	1.55	.27	.20	.62	.93	.42		T.	.35		T.	.51				T.	.44				
Ramsey, Lock No. 2 ‡	G	.02	.58	.04					.08	2.55	1.50	.62		.16	1.05	.46		T.	.02	.20			.80	.28			.04	.32			
Russellville ‡	G		.41	.04				.03	2.07	.59		.18		.82	.42				.36	.15							.49	.27			
Uniontown, Dam 49	O	.06	.85	T.				.90	1.25	.72	.95		.31	1.25	.70				.04			.45					.02				
Central Division																																
Addison, Dam 45 ‡	O	.08	.44	.16				.03	1.74	1.45	.42		.80	1.53	.46		T.	T.	.08			.44	.01				.04	.05		T.	
Anchorage	O	.09	.78					.98	1.19	.64	.18	.08	.40	.61	.51		T.	T.	.07			.22	T.				.18				
Bardstown	S	.16	.80					.50	1.45	.43	.20	.10	.11	.80	.30				.03			.20	.10				.50				
Bowling Green	G		.57					.48	1.45	.47	.05	.07		.75	.40		T.	T.	.15			.10	.07				.05				
Bowling Green, No. 2 ‡	G		.11	.28					1.38	1.11	.16		.03	.76	.31				.20			.04	.03				.57	.28			
Brownsville, Lock No. 6 ‡	G		.28	.34				.03	1.84	1.11	.14		.02	.84	.41	.02	T.	T.	.01	T.		.19					.73	.56			
Barnsdale ‡	C	T.		.41					.34	.44	.64			T.	.28	.10		T.	.23			.07	.10				.38	.25			
Carrollton ‡ (Lock No. 1)	K		.39						.82	1.01	.32		.22	.86	.24				.25			.12	.06					.12	.15		
Cold Spring, Dam 36 ‡	O	.10	.06	.58	.06			.01	.70	.67	.23		.01	.82	.55	.04	.02	T.	.11			.18	.03				.08	.11			
Dix Dam, Bargin ‡	K		.48					.60	.72	.06			.31	.85	.14			.12		.05	.21				.05	.73				
Eubank ‡	C			.58					.41	.02				.32	.31				.35			.38				.37				
Frankfort ‡	K	.06	.33	.74	T.			T.	1.10	1.15	T		.18	.40	.23	.03	T.	.02	.10			.03	.18	T.				.38		T.	
Franklin	G	.30	.70					.20	1.15	.30				.60	.45				.10								.40	.90	.10			
Gest, Lock No. 3 ‡	K	.09	.30	.32	.03			.09	1.00	1.11	.15		.08	.78	.51	.02	T.	T.	.02			.20	.03			T.	.02	.26		T.	
Grant, Dam 35 ‡	O	.08	.12	.51	.02			.06	.84	.62	.38		.08	.92	.48	.02	T.	T.	T			.12	.03				.06	.68			
Greensburg	G	.02	.84	.02				.16	1.30	.15		.05		.46	.75	.06			.17			.35	.07				.96	.10			
High Bridge, Lock No. 7 ‡	K	.08	.02	.35	T.				.57	.81	T			.35	.53	.10	T.	T.	.12		T.	.24					.04	.66			
Irvington	O	.08	.53					1.05	1.26	.36	.12	.15	.58	.82	.53		T.	T.	.21		T.	.09	T.				.05				
Junction City	K	.01	.61	.01				.14	1.12	.10		.10		.38	.49	.16	.02	.03	.15			.21	.06				.55	.05			
Lancaster ‡	K	.01		.42				T.	.28	.39	.05		.01	.18	.05	.20		.01	.19			.16	.08				.10	.70			
Leitchfield	G	T.	.87					1.90	1.70	.60	.20	.05	.20	.83	.55		T.		.15			.30	.05				.50				
Lexington ***	K	.09	.40	.04				.73	1.11	.07	.03	T.	.02	.60	.82			.07	.02		T.	.22	.02			T.	.48	.02		T.	
Little Hickman, Lock No. 8 ‡	K	T.	.05	.62	.03				.50	.45	T		.04	.25	.73	.25	T.	T.	.14			.10	.06				.20	.70			
Lockport, Lock No. 2 ‡	K	.35	.28	T.			T.	1.10	1.20	.08		T.	.97	.45	T.	T.		.15		.19	.03					.22		T		
Louisville ***	O	.11	.45	T.			T.	1.03	1.14	.60	.07	.05	.92	.43	.49		.01	.14		.08	.24	T.			T.	.12	.07	T.	T.	
Do. (Cherokee Park)	O	.08	.60						1.68	.83	.16	.07		1.38	.65		T.		.16		.24	.03					.22			
Munfordville	G		.19	.42					1.50	.68				.80	.26				.20							.80	.28			
St. John ‡	S	.05	.65					.80	1.40	.80		.02	.32	.77	.40		T.	T.	.30			.29	.03			T.	.42				
Salvisa, Lock No 6 ‡	K	.20	.15	.40				T.	1.12	.85			.10	.65	.75	.12		T.	.05		T.	.08					.10	.67			
Scott	L	.07	.67	T.				.48	.64	.50	.15	T	.40	.69	.33		T.		.03			.10	.08			.07	.10	T			
Shelbyville	S	.08	.73	.04			T	.76	1.19	.83	.11	.25	.36	.69	.62	.02			.22			.38	.14				.25	.06			
Taylorsville	O	.08	.68	.02				.57	1.13	.85	.15	.17	.19	.62	1.06			.62				.05	.07								
Tyrone, Lock No. 5	K	.12	.45	.04				.97	.82			.12	.46	.67	.47		.02	.14		.17						.40					
Williamstown	L	.14	.58					.42	.75	.70			.80	.59	.40				.12			.09	.12				.22				
Woodbury, Lock No. 4 ‡	G		.47	.19					2.00	1.15			.05	.74	.40		T.	T.	.26			.30	.03				.38	.49			
Eastern Division																																
Ashland ‡	O	.05		.36	.65				.14	.16	.08	.02	.09	.18	.09	.13			.11	T.		.08					.14	.46	.05		
Beattyville ‡	K	.06		.46	.04				.09	.31	.05		T	.11	.13	.14	T	T.	.26			.20	.17				.15	.56			
Berea	K		.49	T.				.07	.64	.05	.08	.03		.25	.15		T	.02	.21			.24	.10				.76	.10			
College Hill, Lock No. 11 ‡	K	.02		.40	.04			T.	.25	.36	.08		.02	.20	.12	.14	T.	T.	.16			.06	.28				.12	.60			
Cynthiana ‡	L	.04	.05	.35	.01			T.	1.00	.89	.02			.32	.35	.02	T	T.	.20			.20	.10				.02	.34			
Dorton ‡	K		.58	.25						.01	.04			T.	T.		.05		.10			.10	.14	.04			.27	.23			
Falmouth ‡	L	.22	.25	.84	T.			.09	.80	.85	.10		.03	.63	.28		.01		.09			.18	.06				.02	.22		T.	
Farmers ‡	L			.55					.34	.46	.16			.45	.09	.31			.26									.89			
Georgetown	L		.20	.25					1.12	.40		.12	.28	.62	.20				.54			.16					1.10	.12			
Grahamford, Lock No. 10 ‡	K	.04		.49	.02				.42	.55	.02		T.	.25	.16	.20	T.	T.	.10			.12	.05				.03				
Grayson	O	.05							.64	.22	.07		.08	.17	.10	.13	.10		.30								.25	.76	.18		
Greenup, Dam 30 ‡	O	.09		.22	.04				.18	.27	.03	T.	.03	.20	.07	.08		.01	.07			.04	.11				.07	.47	.03		
Harlan	C		.60	T.					.05	T.	T.			.07	T.	.28	T.		.26			.25	.15				.14	.20			
Hazard ‡	K		.68	T.						.51	T.				.03		T.		.02		T.	.18				.08	.10	.06			
Heidelberg, Lock No. 14 ‡	K			.57					.12	.55	.04			.18	.23	.15			.20	.12		.09					.25	.12			
Jenkins ‡	K									.78	.05								.04	.12		.20	.19		.06	.04	.18	.20			
Junction ‡	B			.40						.12	.04			.10	.10				.08			.12					.11	.61			
Manchester	K			.45					.24								.01	.10									.15	.15			
Nassville ‡	O	.18	T.	.31	.09		T.		.57	.43	.03		.02	.40	.46	.06	T.		.09			.30					.68	.10	T.	T.	
Middlesboro	C	.50								.04					.12				.16			.10	.07				.60				
Mount Sterling	L		.68	T.				.42	.86		.04	.09		.07	.32		T.	T.	.37	T.							.85	.10			
Neonta, Dam 35 ‡	O	.16	.03	.43	.03			.01	.76	.84	.30		.01	.84	.35	.04	.03	.01	.13			.12	.03		T.		.06	.12	T.		T
Okeville ‡	B			.12						T.	T.							T.	T.	T.		T.	.10	T.			.10	.16			
Poolesburg ‡	B			.49					.05	.69	.07			T.	.09	.06			.20			.11	.10				.22	.47			
Quicksand ‡	K			.44	.01				.08	.06	.10		.25		.18	.12	T	T	.22				.15					.45	.46		
Ravenna, Lock No. 12 ‡	K			.50				T.	.25	.10		.10	.15	.10	.12	T.					T.	.15	T.			.15	.48			
Richmond ‡	K		.40					.02	.80	.04		T.	.01	.32	.22	.05	T		.11			.07	.05				.60	.10			
Valley View, Lock No. 9 ‡	K		.55						.65					.03	.57		.03	.03				.01	.10				.50				
Vanceburg, Dam No. 32	O	.11		.35	.06				.45	.58	.05		.04	.18	.16	.12										.25		.65	.01		
Whitesburg ‡	K			.50					T.		T	.05			T.												.55	.20			
Williamsburg ‡	K			.40					.04		.04			.50	.15				.42			T.	.35								
Willow, Lock No. 13 ‡	K								.10	.40				.20	.20				.10	.10				.30							

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

¶ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak

Daily Temperatures for January, 1930.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	67	63	44	46	57	62	61	60	68	49	41	55	65	64	52	32	28	30	29	34	38	32	24	36	36	41	42	40	33	41	43	45.6
	Minimum	52	42	30	18	24	43	52	41	50	29	30	40	50	51	26	17	17	10	−10	6	26	1	−12	3	10	12	35	30	15	11	24	24.0
Calhoun	Maximum	65	64	44	45	58	61	59	59	49	30	40	55	62	61	50	30	25	25	26	29	32	20	24	34	36	39	40	38	31	39	43	43.0
	Minimum	54	41	32	21	30	44	45	37	39	28	30	40	50	50	26	12	12	10	−1	12	25	1	−4	10	15	18	35	31	16	18	24	25.1
Carlington	Maximum	66	61	44	45	56	61	59	59	49	30	40	55	62	61	50	30	25	25	26	29	32	20	24	34	36	39	40	38	31	39	43	43.0
	Minimum	55	41	29	18	29	45	43	36	37	28	30	40	50	50	26	12	12	10	−1	12	25	1	−4	10	15	18	35	31	16	18	24	25.1
Greenville	Maximum	66	61	46	45	56	61	59	60	67	42	43	56	63	62	51	30	26	23	24	33	31	27	22	34	36	39	41	38	32	40	43	42.7
	Minimum	55	41	29	18	29	45	43	36	37	28	30	40	50	50	26	12	12	10	−1	12	25	1	−4	10	15	18	35	31	16	18	24	25.1
Hopkinsville	Maximum	67	63	46	45	56	61	59	60	67	42	43	56	63	62	51	30	26	23	24	33	31	27	22	34	36	39	41	38	32	40	43	43.8
	Minimum	52	41	30	17	24	45	53	39	38	27	30	42	50	51	25	15	16	15	−12	12	25	3	−3	7	12	19	35	30	17	18	25	24.3
Lovelaceville	Maximum	66	59	44	46	57	56	58	57	66	39	43	58	68	63	48	29	26	27	25	35	33	29	18	28	35	40	43	38	36	41	46	40.5
	Minimum	53	41	31	18	21	41	53	42	31	26	30	41	42	48	27	15	14	−12	−7	14	25	2	−3	5	8	16	22	23	17	13	22	21.8
Marion	Maximum	66	60	42	49	56	57	57	56	66	39	43	58	68	63	48	29	26	27	25	35	33	29	18	28	35	40	43	38	36	41	46	40.5
	Minimum	55	39	30	24	20	32	35	32	31	26	28	40	50	46	21	12	15	−15	−6	16	17	3	−3	7	11	15	19	23	27	13	22	22.8
Mayfield	Maximum	67	63	46	..	48	59	60	57	43	36	..	52	57	62	48	35	30	24	27	..	40	30	25	..	38	42	..	..	42	40	46	44.9
	Minimum	53	40	31	..	20	28	40	32	35	26	..	36	50	45	24	14	18	−17	−8	..	11	−2	−4	..	10	20	..	..	19	12	23	22.0
Murray	Maximum	67	63	46	..	55	60	60	61	60	36	47	58	66	63	47	28	25	22	27	38	35	25	25	35	38	43	43	37	31	37	47	43.9
	Minimum	54	41	30	..	20	28	40	32	35	26	..	36	50	45	24	14	18	−17	−8	..	11	−2	−4	..	10	20	..	..	19	12	23	22.0
Paducah (near)	Maximum	65	63	39	44	58	60	59	59	42	39	39	56	62	59	52	31	30	24	27	38	35	25	25	35	38	43	43	37	31	37	47	43.9
	Minimum	48	41	31	22	28	41	40	36	38	27	29	38	49	49	24	15	16	−13	−7	9	25	1	−3	6	13	17	35	30	17	13	19	20.5
Princeton	Maximum	65	63	39	44	58	60	59	59	42	39	39	56	62	59	52	31	30	24	27	38	35	25	25	35	38	43	43	37	31	37	47	43.9
	Minimum	48	41	31	22	28	41	40	36	38	27	29	38	49	49	24	15	16	−13	−7	9	25	1	−3	6	13	17	35	30	17	13	19	20.5
Russellville§§	Maximum	65	63	39	44	58	60	59	59	42	39	39	56	62	59	52	31	30	24	27	38	35	25	25	35	38	43	43	37	31	37	47	43.9
	Minimum	48	41	31	22	28	41	40	36	38	27	29	38	49	49	24	15	16	−13	−7	9	25	1	−3	6	13	17	35	30	17	13	19	20.5
Central Division.																																	
Anchorage	Maximum	64	58	43	41	51	61	59	59	65	49	46	51	63	59	45	30	25	17	22	26	32	26	26	32	32	37	37	37	27	37	38	41.5
	Minimum	50	41	22	15	21	41	52	43	41	27	27	40	49	46	25	17	14	−13	−9	8	24	4	−13	0	11	9	33	25	12	9	19	22.1
Bardstown	Maximum	61	60	44	45	60	65	62	60	71	51	47	55	65	64	52	32	28	28	27	31	31	30	19	34	35	36	40	38	33	41	43	45.7
	Minimum	51	43	29	16	23	42	54	44	48	27	27	40	51	55	29	19	16	−10	−6	6	26	8	−8	4	15	18	34	28	15	16	26	25.6
Bowling Green	Maximum	65	58	47	46	58	61	61	60	70	64	44	58	63	64	53	33	30	28	28	32	33	30	20	36	38	41	44	37	30	39	41	48.6
	Minimum	51	43	29	16	23	42	54	44	48	27	27	40	51	55	29	19	16	−10	−6	6	26	8	−8	4	15	18	34	28	15	16	26	25.6
Dix Dam	Maximum	65	60	45	45	59	63	64	61	60	70	64	44	58	63	58	33	30	28	28	32	33	30	20	36	38	41	44	37	30	39	41	48.6
	Minimum	50	45	31	19	23	41	55	53	57	29	30	43	53	47	33	20	20	−3	−2	12	20	−3	−2	12	20	24	42	38	31	42	42	32.5
Eubank	Maximum	59	61	50	46	57	64	64	59	71	48	44	54	66	60	46	28	28	25	27	36	37	32	24	37	38	39	41	42	38	44	46	45.2
	Minimum	41	40	35	16	20	36	51	54	56	30	31	41	51	49	33	18	17	−2	−7	10	27	10	−1	4	6	13	17	15	3	13	16	26.9
Frankfort	Maximum	63	62	45	40	56	63	62	60	70	68	41	64	69	63	62	34	30	30	26	29	33	32	17	33	38	39	40	43	43	32	40	44	46.9
	Minimum	50	41	31	20	21	38	55	55	51	29	29	40	49	53	32	20	19	−5	−2	12	25	12	−6	7	17	13	34	34	15	16	26	26.9
Franklin	Maximum	63	58	43	48	58	60	60	61	70	64	48	56	63	66	58	36	33	31	26	34	36	30	24	38	43	46	48	43	33	38	43	46.4
	Minimum	51	42	31	20	26	42	54	57	56	32	32	47	50	51	32	18	13	5	1	14	28	8	0	11	19	24	37	32	18	14	26	28.8
Greensburg	Maximum	64	59	46	44	58	64	63	63	73	53	46	61	68	63	61	35	30	29	24	35	36	32	22	38	41	43	46	41	35	41	44	48.6
	Minimum	53	45	32	19	19	42	54	56	59	30	30	43	52	52	32	19	19	−5	−5	12	30	22	6	32	32	40	39	36	27	37	39	42.3
Irvington	Maximum	64	59	42	41	55	61	59	60	67	46	40	53	62	61	48	28	28	25	21	28	32	25	26	32	34	37	39	36	27	34	37	39.1
	Minimum	51	42	28	21	30	45	53	49	44	27	28	40	51	48	26	16	16	−6	−6	10	24	3	−7	10	16	18	35	27	14	14	24	25.4
Junction City	Maximum	65	59	45	44	59	66	63	59	72	56	43	55	58	62	50	30	31	30	25	34	34	31	23	35	38	38	41	43	38	42	43	45.5
	Minimum	48	44	28	14	20	41	52	50	56	28	28	39	50	48	26	16	16	−6	−12	6	29	13	−2	2	11	16	39	28	16	13	20	25.0
Leitchfield	Maximum	63	58	41	42	56	60	60	59	68	46	46	62	62	61	53	31	30	26	25	34	36	30	23	35	38	38	41	43	36	42	43	46.0
	Minimum	52	41	31	19	28	51	53	53	46	28	28	40	52	52	27	16	11	−11	−5	12	29	12	−5	8	16	20	34	28	13	13	26	25.8
Lexington	Maximum	62	55	38	39	55	61	61	59	70	37	48	55	58	60	40	24	27	16	19	29	32	25	15	29	28	30	34	38	28	35	40	40.3
	Minimum	48	38	22	21	32	41	52	50	37	25	28	38	50	46	24	14	16	−6	−11	8	27	8	−5	12	16	18	33	26	13	13	24	25.4
Louisville	Maximum	64	55	39	41	57	62	58	60	66	38	46	54	61	60	38	23	27	8	15	23	31	22	16	31	32	36	38	39	34	34	37	43.2
	Minimum	54	39	25	23	30	47	54	47	35	27	28	46	50	48	26	15	15	−6	−8	2	18	2	−8	9	11	16	33	28	16	12	24	24.6
Louisville (Cherokee Park)	Maximum	64	61	44	39	55	62	61	59	66	39	51	61	61	58	33	24	28	19	24	28	31	31	19	33	34	37	39	40	34	37	39	44.0
	Minimum	54	39	25	23	30	47	54	47	35	27	28	46	50	48	26	15	15	−6	−8	2	18	2	−8	9	11	16	33	28	16	12	24	24.6
Mt. John	Maximum	63	58	41	42	56	60	60	59	67	44	45	56	57	62	51	30	31	28	28	32	33	30	20	36	38	41	44	37	30	39	41	48.6
	Minimum	50	44	28	14	20	41	52	50	56	28	28	39	50	48	26	16	16	−6	−12	6	29	13	−2	2	11	16	39	28	16	13	20	25.0
Scott	Maximum	63	58	41	42	56	60	60	59	67	44	45	56	57	62	51	30	31	28	28	32	33	30	20	36	38	41	44	37	30	39	41	48.6
	Minimum	50	44	28	14	20	41	52	50	56	28	28	39	50	48	26	16	16	−6	−12	6	29	13	−2	2	11	16	39	28	16	13	20	25.0
Shelbyville	Maximum	64	59	39	41	57	62	58	60	66	38	46	54	61	60	38	23	27	8	15	23	31	22	16	31	32	36	38	39	34	34	37	43.2
	Minimum	54	39	25	23	30	47	54	47	35	27	28	46	50	48	26	15	15	−6	−8	2	18	2	−8	9	11	16	33	28	16	12	24	24.6
Taylorsville	Maximum	64	61	44	39	55	62	61	59	66	39	51	61	61	58	33	24	28	19	24	28	31	31	19	33	34	37	39	40	34	37	39	44.0
	Minimum	54	39	25	23	30	47	54	47	35	27	28	46	50	48	26	15	15	−6	−8	2	18	2	−8	9	11	16	33	28	16	12	24	24.6
Williamstown	Maximum	63	59	44	40	57	61	59	58	67	46	39	52	59	63	50	30	27	26	27	32	33	30	20	36	38	41	44	37	30	39	41	48.6
	Minimum	46	40	26	16	24	40	50	52	43	24	24	35	46	50	21	16	15	−10	−4	7	21	6	−9	5	15	16	29	29	10	11	24	24.1
Eastern Division.																																	
Ashland	Maximum	62	70	50	40	30	46	56	58	54	58	32	38	45	52	52	40	24	22	12	14	18	24	24	16	24	22	28	30	42	24	36	37.0
	Minimum	34	48	38	20	20	30	46	46	44	50	32	18	36	40	41	40	24	20	12	−4	8	22	12	6	14	16	18	22	26	16	16	28.1
Beattyville	Maximum	69	62	45	42	50	65	65	61	73	61	40	58	50	58	57	62	59	35	35	33	26	34	25	17	0	0	17	10	38	20	18	17	28.5
	Minimum	46	45	29	16	15	29	44	52	53	30	29	28	50	50	35	24	15	15	3	−2	5	28	17	0	0	17	10	38	20	18	17	24.3
Berea	Maximum	67	59	45	43	58	64	65	64	71	64	45	56	57	61	60	33	30	29	22	36	36	30	20	38	39	42	43	41	42	42	43	47.2
	Minimum	50	44	22	17	30	42	51	55	57	30	34	43	52	54	32	19	18	−4	5	9	20	12	−3	10	18	15	17	24	17	14	24	25.7
Dorton	Maximum	71	62	54	47	61	67	68	64	74	58	55	65	68	65	58	33	30	28	22	17	4	12	52	28	16	9	18	14	30	36	21	22	19	29.7
	Minimum	39	58	34	21	18	28	40	54	44	34	33	45	49	43	41	28	22	17	4	12	52	28	16	9	18	14	30	36	21	22	19	29.7
Farmers	Maximum	71	64	55	49	62	66	65	62	72	72	44	58	60	61	60	38	31	30	26	30	35	34	22	34	33	33	33	33	13	12	16	22.8
	Minimum	40	51	29	13	13	26	49	48	54	26	26	36	46	50	32	19	16	−3	−15	6	25	19	6	−7	4	5	28	31	13	12	16	22.8
Harlan§§	Maximum	69	62	54	50	58	65	67	60	71	46	57	60	71	60	41	30	30	29	39	41	41	31	29	40	40	45	44	34	39	35	27	28.0
	Minimum	32	49	37	19	19	28	33	42	50	43	33	39	50	55	42	27	19	15	4	7	17	29	13	11	14	15	21	36	28	26	38	40	45.6
Maysville	Maximum	67	61	46	40	56	64	63	60	71	65	40	56	62	63	62	28	31	34	23	27	34	34	26	32	32	36	38	39	33	34	14	15	22.9	24.1
	Minimum	41	42	30	17	18	33	43	43	50	44	27	25	37	44	50	33	21	21	2	6	24	18	−6	8	6	25	16	29	12	9	23	24.1
Middlesboro	Maximum	60	62	58	42	50	60	64	63	68	67	54	54	59	59	60	44	37	32	32	36	39	39	39	29	35	37	42	44	48	42	39	43	47.4
	Minimum	54	47	35	18	17	26	34	53	52	39	35	43	49	52	42	25	19	−2	2	10	33	27	12	8	17	31	37	38	28	29	28	32	42.4
Mount Sterling	Maximum	64	57	42	28	58	63	59	60	70	52	25	25	39	46	47	25	17	15	−5	−10	6	26	10	−9	2	8	26	36	36	40	42	42	42	42.7
	Minimum	46	39	23	16	30	31	51	53	56	28	25	29	39	46	47	25	17	15	−5	−10	6	26	10	−9	2	8	26	36	36	40	42	42	42	42.7
Quicksand	Maximum	71	64	55	45	62	67	68	64	74	67	44	61	61	63	61	41	36	35	31	31	36	29	24	5	4	18	12	30	30	18	19	19	36.0	36.0
	Minimum	61	64	55	45	62	67	68	64	74	67	44	61	61	63	61	41	36	35	31	31	36	29	24	5	4	18	12	30	30	18	19	19	36.0	36.0
Richmond	Maximum	61	53	30	19	16	24	39	46	49	55	34	38	41	59	37	31	20	19	1	3	10	29	16	5	5	14	14	22	32	20	13	19	27.6	27.6
	Minimum	50	47	31	21	29	36	50	54	57	40	29	41	52	54	33	19	19	−2	−2	11	30	17	3	9	17	18	34	34	17	15	24	28.0	28.0
Williamsburg	Maximum	68	60	59	45	58	64	63	59	72	63	50	57	57	62	54	33	19	19	−2	−2	11	30	17	3	9	17	18	34	34	17	15	24	28.0	28.0
	Minimum	50	47	31	21	29	36	50	54	57	40	29	41	52	54	33	19	19	−2	−2	11	30	17	3	9	17	18	34	34	17	15	24	28.0	28.0
	Maximum	69	64	54	50	63	64	64	64	75	65	50	58	61	63	60	43	38	38	32	37	40	35	22	41	41	46	48	46	35	40	47	51.0	51.0
	Minimum	50	49	36	11	38	48	48	55	54	34	38	41	59	37	31	20	19	1	3	10	29	16	5	5	14	14	22	32	20	13	19	27.6	27.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* to † etc. indicate respectively 1, 2, 3 etc. days missing from record.

A. R. S. Louisville, 2-27-30, 100.

551.05
UNNE
THE LIBRARY OF THE
MAR 2 7 1930
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXV LOUISVILLE, KY., FEBRUARY, 1930 No. 2

GENERAL SUMMARY.

The month was one of the warmest of the name on record in his State. Temperatures almost continuously above normal sulted in spring-like conditions and exceptional outdoor tivity. Occasional night freezes and two moderately cold ays near the middle served to hold vegetation in check during e first half. The weather of the last decade was such as norally occurs from six weeks to two months later. This unseanable warmth caused grasses, clovers, and winter grains to rt quickly into vigorous growth; while shrubs began to put t leaves and fruit buds expanded to large size. At this time tensive winter killing of peaches became apparent, as evinced by the failure of the buds to respond to the high mperature. As wheat started to grow its appearance indited that winter damage from lifting freezes was slight wherever e land had proper drainage. Where the crop had been ected by more or less standing water, or the soil had remained per-saturated for some length of time, injury had been caused heaving freezes or by smothering due to ice. There were nsiderable areas thus damaged in the lowlands and flat uplands the western counties. Farmers took advantage of the warm ather to push the sowing of plantbeds. It is probable that st beds were prepared and sown in the western and southern nties during this period. Even in the northern districts tifying progress was made with this work. Plowing and tato planting commenced in the western counties, and some ases of early gardening were undertaken. Heavy rains about e 25th interfered with these activities. The improvement in e condition of roads, which followed the cessation of freezing, ored the movement of tobacco and hastened the disposition the last of the crop. Egg production was so stimulated by e warm weather as to cause a marked decline in price.

TEMPERATURE.

Reports from 44 stations gave a State average of 45.1°, which 8.5° above the February normal, and the third highest for s month during the 42 years of record. Daily mean temptures during the last decade ranged from 10° to 25° above rmal, with maxima on several days between 70° and 80° at st stations. Temperatures fell to near zero on the 16th at eastern stations. The extremes were 80° at Beaver Dam on 25th and 2° at Berea and Scott on the 16th.

PRECIPITATION.

The average for the State, as shown by the reports of 83 tions, was 3.49 inches, which is practically normal for this nth. Moderate to heavy rains from the 23d to 26th. The al distribution was fairly regular, ranging between 3.0 and inches in most of the State. A limited district in the thwestern counties received from 4.0 to 5.0 inches, while the tion eastward from the upper Kentucky River Valley received m 2.0 to 3.0 inches. Amounts varied between 2.26 inches Pikeville and 5.05 inches at Hopkinsville. Snowfall was y light, the total ranging from flurries locally in the western nties to about 1.5 inches in a few eastern districts. It was ewhat heavier on the southeastern mountains. Thunderms were reported on the 12th, 24th, 25th, and 26th.

MISCELLANEOUS.

Feb. 12.—Lightning caused destructive conflagration of [illegible] miles northeast of [illegible]. Power lines to other towns in that [illegible]. Wind caused limited damage to trees and cattle killed.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. Inches reduced to sea-level. Average.	Highest.	Date.	Lowest.	Date.	Wind * Total movement.	Av. hourly velocity.	Max. Velocity * Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.10	30.46	15	29.57	4	6156	9.2	32	n.	4
Cincinnati ..... Ohio	30.10	30.49	16	29.68	4	4926	7.4	21	sw.	9
Evansville ..... Ind.	30.10	30.50	15	29.67	4	6206	9.2	30	sw.	25
Lexington ..... Ky.	30.11	30.52	16	29.62	4	8803	13.2	38	sw.	24
Louisville ..... Ky.	30.12	30.52	16	29.62	4	7112	10.6	43	nw	25

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 30 per cent or more.	30 per cent or less.
Cairo ..... Ill.	78	66	64	191.2	333.5	68	9	3
Cincinnati ..... Ohio	78	69	65	169.4	306.9	55	6	6
Evansville ..... Ind.	77	63	68	159.7	302.2	53	7	8
Lexington ..... Ky.	80	65	..	133.6	302.2	44	6	11
Louisville ..... Ky.	72	59	62	163.0	312.2	54	8	5

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature. Monthly average.	Departure from 40 year normal	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 40 year normal	No. of days with .01 in or more rain.	Average Number of Days. Clear.	Partly cloudy.	Cloudy.	Average snowfall
1889...	34.1	− 2.5	74	3	1.91	−1.54	..	..	..	..	....
1890...	45.6	+ 9.0	86	16	7.88	+4.53	..	..	..	..	....
1891...	42.2	+ 5.6	76	0	4.72	+1.27	..	..	..	..	....
1892...	42.2	+ 5.6	70	11	2.92	−0.53	..	..	..	..	....
1893...	37.7	+ 1.1	70	3	4.40	+0.95	..	..	..	..	....
1894...	34.6	− 2.0	74	2	4.66	−1.21	..	..	..	..	....
1895...	25.9	−10.7	80	−18	0.66	−2.79	5	12	8	8	....
1896...	37.4	+ 0.8	81	− 2	3.06	−0.39	9	9	13	14	....
1897...	39.8	+ 3.2	76	18	5.75	+2.30	11	8	13	10	1.2
1898...	37.4	+ 0.8	77	− 3	1.61	−1.84	6	10	8	13	6.6
1899...	26.2	−10.4	71	−20	3.97	+0.52	11	9	8	13	7.0
1900...	32.5	− 4.1	76	− 9	4.68	+1.23	12	7	8	13	5.0
1901...	32.4	− 4.2	71	− 1	1.27	−2.18	6	10	7	11	2.1
1902...	37.9	− 8.7	69	− 16	1.30	−2.15	7	10	6	12	2.1
1903...	37.5	+ 0.9	76	− 16	7.08	+3.63	9	11	4	13	6.1
1904...	35.2	− 1.4	75	− 2	2.32	−1.13	7	11	8	10	2.5
1905...	27.9	− 8.7	67	−16	2.44	−1.01	9	10	5	13	3.9
1906...	34.7	− 1.9	75	−12	1.81	−1.64	7	16	5	7	5.9
1907...	35.7	− 0.9	73	−16	3.06	−0.39	9	11	5	12	7.6
1908...	35.6	− 1.0	70	− 2	5.56	+2.11	12	9	5	15	3.1
1909...	42.4	+ 5.8	75	− 2	8.17	+4.72	11	12	4	12	3.0
1910...	32.9	− 3.7	66	−12	4.70	+1.25	10	12	4	13	11.9
1911...	42.0	+ 5.4	80	11	3.25	−0.20	9	10	4	14	6.4
1912...	29.7	− 6.9	68	−14	3.08	−0.37	7	10	6	14	3.3
1913...	34.8	− 1.8	77	− 2	2.98	−0.51	7	14	5	9	1.4
1914...	32.2	− 4.4	69	− 2	1.14	−2.09	11	13	5	13	1.4
1915...	41.9	+ 5.3	75	13	1.74	−1.71	8	9	5	17	0.3
1916...	35.0	− 1.6	72	− 4	2.99	−0.46	9	11	6	12	5.6
1917...	34.3	− 1.8	77	− 9	3.51	+0.06	8	9	8	11	4.7
1918...	39.3	+ 2.7	77	− 8	2.64	−1.41	7	11	5	10	0.6
1919...	38.6	+ 2.0	76	12	1.79	−1.66	9	11	5	13	1.1
1920...	35.7	− 0.9	71	9	3.27	−0.18	7	11	6	11	3.8
1921...	41.3	+ 4.7	77	11	3.20	−0.25	10	8	5	15	3.9
1922...	41.3	+ 4.7	76	4	3.78	+0.13	10	8	6	14	0.8
1923...	34.6	− 2.0	74	− 4	4.77	+1.22	10	10	5	13	1.2
1924...	36.0	− 0.6	71	9	2.57	−0.89	6	9	5	14	1.5
1925...	44.0	+ 7.4	76	8	3.91	−0.46	6	12	5	13	0.6
1926...	41.1	+ 4.5	76	4	3.34	−0.81	10	8	7	15	1.4
1927...	45.6	+ 9.0	81	15	2.65	−0.90	11	10	6	12	4.2
1928...	38.1	+ 1.9	72	5	2.75	−0.77	10	11	4	13	1.0
1929...	31.2	− 5.1	71	−14	3.52	+0.00	9	11	4	13	12.6
1930...	45.1	+ 8.5	80	2	3.49	+0.01	8	11	5	15	0.5

Climatological Data for February, 1930.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Prevailing direction of wind.	Observers.
Western Division.																			
Beaver Dam	Ohio	441	26	47.5	+11.8	80	25	15	16	39	3.80	+0.62	1.50	0	4	11	9	e.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	26	48.0	+10.3	77	25	17	16	31	4.62	+1.36	1.89	1.0	8	6	15	7	sw.	W. A. Taylor.
Earlington	Hopkins	420	40	48.5	+11.2	79	25	15	16	33	4.92	+1.31	1.92	0	7	12	3	13	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	366	13								2.45		0.94	0.2	6					P. H. McGinnis.
Greenville	Muhlenburg	519	13	47.7	+ 8.4	77	25	15	16	31	3.13	−0.21	1.84	0	5	8	13	7	s.	C. R. Lovell.
Hopkinsville	Christian	524	34	47.7	+ 9.3	78	25	17	16	37	5.05	+1.36	1.85	0	8	6	11	11	sw	W. E. Graves.
Loyelaceville	Ballard	....	1	47.8	.....	75	25	15	16	36	3.61	.....	1.64	0	8	6	11	11	sw.	B. Sallee.
Marion	Crittenden	571	32	48.4	+11.4	76	25	15	16	32	2.86	−0.18	1.57	T.	5	10	7	11	sw.	B. C. Paris.
Mayfield	Graves	364	21	48.6	+ 9.3	77	25	20	16	33	3.38	−0.28	1.50	0	4	12	16	6	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	4	47.0	.....	78	25	15	16	42	4.36	.....	2.62	0	5	10	9	8	s.	Harry B. Arnold
Owensboro	Daviess	479	33	46.0	+ 9.9	77	25	16	16	30	3.06	+0.13	1.21	2.0	9	10	7	11	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	2								3.31		1.36	1.6	9					George McGlemary.
Paducah	McCracken	516	13	47.4	+ 8.7	75	25	15	16	34	2.98	+0.32	1.50	0	5	12	8	8	sw.	J. W. Litley
Paducah nearly	McCracken	341	41								3.52	+0.15	1.20		8					Frank L. Brown.
Paducah	McCracken	529	23	46.8	+10.4	78	25	17	16	34	4.10	−0.09	1.73	T.	8	8	10	10	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	13								1.10	+1.47	1.80	0.5	6					Thos. L. Wetzell.
Ramsey, Lock 2	McLean	590	19	46.2	+ 8.8	78	25	15	16	36	4.00	+0.57	1.24		9	11	2	15	s.	Wm. Shelton.
Russellville	Logan	357	2								3.07	.....	1.10	0.5	7					H. R. Sale
Uniontown, Dam 49	Union																			
Central Division.																				C. L. Moore.
Addison, Dam 45	Breckinridge	352	2								3.84	.....	1.93		8					C. E. Barret.
Anchorage	Jefferson	700	29	43.5	+10.5	76	25	9	16	41	4.31	+1.47	2.46	T.	6	17	4	7	sw	Mrs. Emily T. Sisco.
Bardstown	Nelson	637	33	46.6	+10.9	75	25	12	16	36	3.65	+0.02	1.65	.....	7	11	12	5	w.	Mrs. Lillie G. Causey
Bowling Green	Warren	500	41	48.4	+ 9.7	79	25	21	16	38	3.81	−0.09	2.00	T.	7	11	12	5	w.	Jas. R. Hines.
Bowling Green, No. 2	Warren	469	5								3.11	.....	0.91	0	8					Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	410	13								4.69	+0.43	1.36	T.	8					T. A. Lewis
Burnside	Pulaski	773	39								3.71	−1.38	0.99	0.5	10					Shelby Angel.
Carrollton, Lock 1	Carroll	422	31								3.18	+0.55	1.55	.....	6					Bert Ross.
Cold Spring, Dam 36	Campbell	489	4								3.16	.....	1.11	0.5	9					G. D. Glass.
Dix Dam, Burgin	Mercer	770	6	47.0	.....	72	21†	8	16	38	2.78	.....	0.83		6	7	14	7	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	36	46.6	+11.8	73	24	5	16	40	3.77	−0.09	1.12	T.	6	14	2	12	s.	Sidney Wood.
Frankfort	Franklin	560	48	45.6	+ 9.7	73	25	14	16	39	4.39	+1.17	1.51	T.	8	9	7	12	s.	M. E. Johnson.
Franklin	Simpson	691	85	49.0	+10.0	77	25	17	16	36	3.20	+1.29	1.20	.....	4	19	7	2	s.	Albert Purvis.
Gest, Lock 3	Henry	449	19								3.45	+0.51	1.52	.....	9					W. T. Dugan.
Grant, Dam 38	Boone	773	39								3.60	.....	1.27	0.2	9					Mrs. Bettie K. H. Alcorn
Greensburg	Green	780	9								3.22	−0.68	1.68	0.5	9	4	1	23	s.	Horace Carter.
High Bridge, Lock 7	Jessamine	581	37	47.3	+12.4	76†	25	11	16	40	4.23	+0.88	1.52	T.	6					Andrew J. Keenan.
Irvington	Breckinridge	650	28								4.08	+0.95	1.94	T.	5	9	6	13	w.	W. J. Pigott.
Junction City	Boyle	646	32	46.7	+10.6	75	25	16	16	31	4.05	+0.31	2.60	1.5	9	13	13	2	se.	Caroline Grubbs.
Lancaster	Garrard	985	36	45.6	+11.0	72	19†	3	16	42	2.50	.....	0.78	.....	9					L. J. Vanhook.
Lawrenceburg, Lock 4	Anderson	1032	4								3.91	+0.43	1.75	0.5	8	11	7	10	s.	H. H. Willis.
Leitchfield	Grayson	635	84	46.4	+11.2	75	25	15	16	31	2.90	−0.74	1.31	1.3	10	11	6	11	sw.	U. S. Weather Bureau
Lexington	Fayette	989	46	43.9	+ 8.5	69	25	10	16	27	2.95	−0.19	0.90	.....	8					Horace Carter.
Little Beckman, Lock 8	Jessamine	523	19								3.37	+0.87	1.67	T.	4					Andrew J. Keenan.
Lockport, Lock 2	Henry	476	20								3.86	+0.31	2.14	0.1	8	7	11	10	s.	U. S. Weather Bureau.
Louisville	Jefferson	525	57	46.0	+ 8.8	74	25	15	16	25	3.88	+1.11	2.18	0.3	8	8	10	10	sw.	Wm. I. Hunt.
Do. (Cherokee Park)	Do.	534	20	45.8	+ 9.3	74	25	14	16	31	3.88	.....	1.88	.....	4					A. G. Hubbard.
Munfordville	Hart	660	5								4.20	+0.48	2.01	0	7	14	7	7	.....	Sisters of Loretto.
Nicholasville	Jessamine	777	35	46.3	+11.8	73	25	12	16	38	3.79	+0.54	1.25	.....	6					Ernest M. Searey.
St. John	Boyle	966	16								3.25	+0.66	1.26	1.0	8	9	5	14	s.	E. B. Wilson.
Salvisa, Lock 6	Mercer	900	32	42.8	+10.6	71	25	2	16	31	4.19	+0.60	2.02	0.3	11	13	2	13	s.	Miss Ruth Ratta.
Scott's	Kenton	825	41	43.7	+ 9.2	72	25	7	16	38	4.71	+1.25	1.87	0.2	8	12	10	6	s.	E. B. Bourne.
Shelbyville	Shelby	489	28	44.2	+ 8.8	74	25	13	16	41	4.55	+1.42	1.20	.....	9					H. B. Vaughn.
Taylorsville	Spencer	626	12								3.50	+0.77	1.65	T.	8	14	8	6	w	Miss Nettie B. Simpson.
Tyrone, Lock 5†	Anderson	948	27	44.0	+12.0	76	25	5	16	36	3.53	−0.03	1.20	T.	9					H. J. Lewis.
Williamstown	Grant	833	13																	
Woodbury, Lock 4	Butler																			
Eastern Division.																				Curtis Parvis.
Ashland	Boyd	534	13	43.6	+ 6.2	78	26	4	16	40	3.29	+0.26	1.16	0.4	12	11	0	17	s.	Robert S. Smallwood.
Beattyville	Lee	650	26	44.2	+ 8.5	76	25	4	16	43	2.99	−0.88	0.78	0.5	11	5	10	13	sw.	Chas. C. Graham.
Berea	Madison	1050	25	46.8	+10.5	72	21†	2	16	36	3.39	+0.28	1.03	1.5	10	14	3	11	sw.	Kelly Walden
College Hill, Lock 11	Madison	601	20								2.54	0.18	0.75	1.0	11					P. H. Kehoe.
Cynthiana	Harrison	684	12								3.64	0.70	1.25	T.	9					James Sowards.
Dayton	Pike			45.9	.....	79	25	6	16	45	2.94	.....	1.60	4.3	9	15	6	7	.....	J. W. Oldham.
Falmouth	Pendleton	600	41								3.24	+0.05	1.40	T.	11					Mrs. R. F. Stamper.
Farmers	Rowan	668	22	45.6	+ 9.0	77†	25	13†	1	44†	3.04	+0.04	0.71	0.6	8	16	3	9	e.	C. A. Glascock
Flemingsburg	Fleming	841	3								4.05	.....	1.53	.....	8					John A. Walters.
Hazel, Lock 10	Clark	593	14								3.64	+0.20	0.92	1.5	10					Col. Frank Powers.
Olympian	Carter	589	5								2.91	.....	1.08		7					T. Mitchell.
Greenup, Dam 30	Greenup	540	9								3.35	+0.36	0.88	.....	11					W. W. Duffield.
Harlan	Harlan	1155	2	44.9	.....	79	25	10	16	44	1.07	.....	1.02	1.0	9	18	3	7	sw.	Chas. O. Ihrig.
Hazard	Perry	902	6								2.93	.....	0.85	0.5	9					S. C. Cole.
Heidelberg, Lock 14	Lee	664	12								2.81	−0.56	0.81	.....	9					R. R. Davidson.
Jackson	Breathitt	1566	5								2.41	.....	0.58		7					Russian Copley.
Louisa	Lawrence	564	26								2.85	−0.48	0.55	.....	9					J. L. Manning.
Olive Hill	Carter		10								3.72	+0.78	0.43	1.0	11					Perry E. Bennett
Owingsville	Bath	824	33	44.2	+ 9.8	75	25	5	16	40	3.07	0.16	1.14	0.2	10	10	6	12	s.	Matthew Woodson.
Maysville	Mason	1128	31	45.1	+ 8.3	74†	25	13†	11†	41†	2.55	1.64	1.17	.....	5	12e	11e	2e	.....	W. R. McKee.
Middlesboro	Bell	1128	31																	Andrew M. Stanforth.
Mount Sterling	Montgomery	930	40								3.59	.....	1.24	0.8	10					Robert Peg.88.
Nepunia, Dam 35	Campbell	497	8								2.26	1.08	0.86	T.	6					F. C. Hall.
Paintsville	Pike	623	24								2.57		0.68	1.5	9					R. W. Jones.
Pikeville	Floyd	640	6								3.63		0.80		9					Walter P. Bush.
Quicksand	Breath it	782	5	45.0	.....	76	24†	7	16	45	2.24	0.68	0.62		8					J. W. Crooke.
Rockhouse, Lock 12	Estill	641	12								3.14	−0.19	1.76	1.5	7	13	4	11	.....	Thos. Sullivan.
Richmond	Madison	926	39	47.6	+11.3	75	24	5	16	42	2.98	−0.90	1.10	1.0	9	.....	.....	.....	.....	H. M. Fannin.
Valley View, Lock 9	Madison	541	17								4.46	+0.56	1.62		10					G. B. Zimmerman.
Vanceburg, Dam 32	Lewis	525	15								3.11		0.87	1.0	9					Lawrence R. Uhl.
Versailles	Woodford	1142	5								4.22	−0.72	1.84	T.	8	23	4	1	.....	Jessie Hicks.
Wayland	Floyd	959	33	46.7	+ 7.9	78	25	8	16	48										
Wilson, Lock 13	Lee	641	11								3.29	+0.01	2.46	0.5	8	11	7	10	s.	
				45.1	+ 8.5	80	25	2	16	48										

State averages and extremes .....

All temperature data are taken from self-registering thermometers.

Two departures from normal temperature and precipitation mean computed only for such stations as have ten or more years of record, but all complete reports are published. Departures, Beattyville and Wendover, Lock 8, on the Green River; other Locks are on the Kentucky River.

Dashes indicate that records are incomplete. Asterisks (*) preceding the table indicate that days missing for one or more days, equivalent to two days, are

Asterisks preceding dates (*) represent

Daily Precipitation for February, 1930.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
Western Division																														
Beaver Dam	G			1.50								.40																		
Benton	G	T.		1.60					T			.10	.75	T	.06															
Burlington	G	.03		1.92								.02	.45																	
Cords Ferry, Dam 50	O			.74	.48							T	.75	T	.02	1														
Greenville	G		T	1.83								.20	.70																	
Hawesville	C			1.80	T							.20	.20	1.05																
Owensboro	M			1.04								.02	.24																	
Paducah	G	T	T	1.57								T	.35		T															
Smithfield	M			1.70									.04																	
Tarpley	T	T	T	2.42									.04																	
Owensboro	O			1.01					T			.30	.24																	
Owensboro, Dam 46	O	T.		.91	.58	T.				T		.20	.10	.12	.05															
Paducah (near ¶)	O			1.98							T	T	.05	.44	.17		.01													
Paducah	O	T		1.20	.10							.80	.45																	
Cameron	G	.01	T	T. 1.38	.01				T				.80																	
Ramsey, Lock No. 2	G			.84	.56								.80	.04	T	.05														
Smithland	G			1.24	.73						.02		.02	.80	.14															
Smithtown, Dam 49	O			.55	.27								.16	.70	T	.04														
Central Division																														
Addison, Dam 45	O		T.		.16	.70			T.		.01			.51	.01	T														
Bremerton	O			1.24						.05			.51			T														
Bradshaw	S		.05	1.65	.10							.12	1.00																	
Bowling Green	G			2.00							.02		.05	.95		.02														
Bowling Green, No. 2	G			.91	.49						.03		.03	.70	.11															
Coopersville, Lock No. 6	G			1.39	1.16								.04	.80	.11	T														
Dunnsville	C			.92	.33						.11			.70	.55	.06	.14													
Farmington (Lock No. 1)	K		.03	.57	.47								.87																	
Glid Spring, Dam 36	O			.13	.08	T.		T.		.11		T	.75		.04	.01	T													
Jax Dam, Burgin	K	T	.76	.83								.60	.10		T															
Hardin	C			1.12	.56								1.05			.36														
Hawesworth	K	1		4.81	1.33	T.		T.		.05			.80	.05	T.	.05	T.													
Hinkston	G		.05	1.20									1.15																	
Hunt, Dam 38	O	.02		.38	.76					.10			.48		T.	.02														
Greensburg	G	T.	.17	.64						.03			.85		.05	.01														
High Bridge, Lock No. 7	K	.02		1.68	.16	.02						.05	.65		.10															
Lexington	O	T.	T	1.63	T.		T.	T.			.12	.27	T																	
Marion City	K			2.00	.17					.01	.01	1.01		.05																
Masterton	K	T		.72	.78	T.				.02		.50	.15	.01	.05															
Mayfield	G	.03		1.75	.03			T.				.20	.50	.10	T															
Millie Hackman, Lock No. 8	K	.01	T.	1.31	T		T.	T.	.03			.61	.01		.05															
Newport, Lock No. 2	K	.05	T	.90	.70	T.							.57	.10	.05	T.														
Louisville***	K	T		.45	.70			T.				.55			T															
No. (Cherokee Park)	O	T.		1.18	T.		T		.03			.27	T		.01															
Oxford ville	G			.98	T.					.03		.05	.30		.02															
Johns	S			1.16									1.85																	
Paris, Lock No 6	K	.10		2.01	.15			T.				.25	.30																	
Pratt	K	T.		.95	1.25			T		.07			.65																	
Shelbyville	L	T.		.82	.05				13			.16	.54		.05															
Taylorsville	S		T.	1.15	.05				.03	.03		.16	.45		.03		.01													
Tarrone, Lock No. 5	K	.03		.71	1.20			T.				.12	.70		.02															
Williamstown	L	T			.60	.10			.03			.14	.15	.45		.04														
Woodbury, Lock No. 4	G		.01	1.29	.57								.88	.07		T														
Eastern Division																														
Ashland	O		.04		.32	1.16					.16		.52	.25	T	.04														
Catlettsville	K		.02		.65	.68			T		.10		.78	.28	.12	.10														
College Hill, Lock No. 11	K		.02		1.03	.13				.02	.08		.55		.12															
Frankfort	K		.03		.75	.55			T		.10		.40	.20	.10	.04														
Frenchburg	L		.04		.23	.55			T		.05		.75	.02	T	.02														
Grahamton	B	T.			.73	.27	T.	T.	T.		.22		1.00	.08	.14															
Somers	L		.06		.48	.24					.18		.46	.02	.04	.04														
Harrodsburg	L				.68	.53					.20		.71	.11	.05															
Ford, Lock No. 10	K		.05		.60	.92		T.	T.	.09			.60	.08	.01	.13														
Jackson	O		.06		.40	1.08					.13		.50																	
Jessenup, Dam 30	O		.09		.34	.88					.17		.36	.11	T	.01														
Lebanon	C				.90	.39					.30		1.02	.26		.42														
Middleburg, Lock No. 14	K				.80	.21			T.	.25			.85	.33	T.	.09														
Perkins	K		.18	.95		.81	.42						.80	.32	.04	.08														
Pisa	B				.40	.95						.50	.40	.10	.18															
Rochester	K				.63	.25					.17		.60	.35	.06	.05														
Sayville	O		.03	T.	.24	.97			T		.15		.81	.45	.08	.02														
Somerset	L				.98						.24		1.17		.10															
Spencer Dam 35	O	.01		.15	.70		T.	T.		.15		T	.72		.02	.05	T.													
Stonesburg	B		.28	.86						.16			.80	.42	T.	T														
Wicksand	K			.47	.05					.21			.55	.34	T.	.15														
Wrenna, Lock No. 12	K			.82	.63					.26			.82	.40		.10														
Simmonds	K			.50	.62			T.		.12			.10	.60	T.	.18														
Skelley View, Lock No. 6	K	.03		.25	1.10							T	.77		.16															
Waterburg, Dam No. 32	O		.50		.35	.08				.03		.37	.25	.10	.15															
Whitesburg	K				.70	.20					.26		.66	.08																
Williamsburg	C				.65	.40					.26		.29	.87	.27	.10														
Willow, Lock No. 18	K										.20		1.84	.40	.20															

Except as otherwise indicated observations are generally made after the afternoon read ... and precipitation recorded as for the 24 hours ending at ... time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24 hour period, midnight to midnight.
‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.
† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.
River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland
T. Tennessee; (O) Ohio; (M) Mississippi.
¶Lone Oak

Daily Temperatures for February, 1930.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	49	55	52	51	47	59	58	51	63	50	56	54	51	44	37	42	57	67	74	72	74	61	71	69	80	74	60	63	..	..	..	58.6
	Minimum	22	35	42	46	31	31	34	26	37	29	20	43	33	24	27	15	30	39	85	41	41	54	55	57	60	41	31	40	..	..	..	36.4
Calhoun	Maximum	49	55	52	51	44	60	56	45	62	47	56	54	50	41	32	41	57	65	72	70	72	67	69	72	77	72	59	61	..	..	..	58.5
	Minimum	27	38	40	43	31	31	36	27	39	31	25	46	34	27	20	17	34	40	44	46	47	57	55	57	64	41	30	41	..	..	..	38.3
Earlington	Maximum	52	58	53	51	44	59	57	46	62	45	55	55	52	44	34	46	58	67	72	70	73	69	69	73	79	73	59	63	..	..	..	58.7
	Minimum	23	39	46	43	31	30	36	28	41	32	22	46	33	25	27	15	37	42	39	50	45	58	56	58	64	41	34	43	..	..	..	57.6
Greenville	Maximum	51	53	52	49	46	59	58	48	63	48	56	53	53	43	40	41	56	65	70	69	71	68	68	71	77	77	57	62	..	..	..	58.6
	Minimum	23	39	46	43	31	30	36	28	41	32	22	46	33	24	28	15	33	40	43	45	40	57	55	56	61	38	32	41	..	..	..	37.8
Hopkinsville	Maximum	53	52	50	50	48	61	57	47	64	48	60	56	52	45	40	44	57	67	71	72	71	67	70	68	78	73	60	62	..	..	..	58.6
	Minimum	25	41	44	43	31	30	36	28	35	27	23	43	36	26	29	17	28	34	36	40	45	52	54	53	57	40	28	49	..	..	..	36.8
Lovelaceville	Maximum	51	56	53	50	48	63	54	49	63	52	58	55	52	45	40	46	59	70	72	70	73	65	67	72	75	62	57	65	..	..	..	58.6
	Minimum	25	35	42	39	31	27	36	26	38	29	26	46	33	26	25	15	32	35	42	46	46	53	54	55	53	40	37	43	..	..	..	37.0
Marion	Maximum	49	53	51	51	46	59	57	45	60	46	57	56	52	44	39	43	57	66	70	74	74	68	67	71	76	71	60	58	..	..	..	57.8
	Minimum	29	35	43	39	39	28	35	26	38	28	29	47	32	27	26	15	34	40	48	48	52	58	54	58	63	39	39	42	..	..	..	38.9
Mayfield	Maximum	54	52	52	51	48	60	53	48	63	52	58	60	56	50	44	46	58	68	72	68	72	67	71	77	72	56	63	..	..	..	..	59.2
	Minimum	26	24	44	43	30	29	40	26	38	28	25	48	33	27	26	15	34	40	48	48	52	58	54	57	62	41	38	43	..	..	..	38.0
Murray	Maximum	53	53	54	50	51	63	52	50	66	51	60	57	56	45	40	47	58	68	71	70	72	61	68	74	78	73	56	65	..	..	..	59.4
	Minimum	19	41	44	42	31	28	38	19	34	23	18	46	31	24	30	15	33	30	34	30	31	45	55	53	61	41	30	45	..	..	..	34.5
Owensboro	Maximum	52	52	52	47	42	51	51	45	60	58	56	52	51	39	30	39	56	64	70	68	72	64	66	72	75	72	59	63	..	..	..	56.1
	Minimum	18	29	30	38	35	30	33	28	36	28	26	42	32	26	26	16	34	36	44	44	46	42	54	57	56	58	39	32	..	..	..	36.0
Paducah (near)	Maximum	52	55	53	51	46	62	55	48	61	48	58	56	57	45	42	44	57	67	70	69	72	67	69	73	78	73	59	63	..	..	..	58.5
	Minimum	18	28	34	32	31	28	36	25	37	28	24	50	34	26	27	15	33	36	44	44	44	50	57	56	62	40	35	43	..	..	..	36.3
Princeton	Maximum	50	52	52	49	46	59	48	46	62	46	57	54	50	44	40	44	58	66	70	69	72	67	67	71	76	68	57	62	..	..	..	57.1
	Minimum	24	35	43	41	31	30	37	26	34	28	24	47	33	26	28	17	32	33	36	35	39	53	56	56	62	39	34	40	..	..	..	36.4
Russellville§§	Maximum	52	53	55	53	46	60	49	48	64	47	57	53	53	44	34	42	57	65	70	70	73	63	69	73	78	73	57	59	..	..	..	57.0
	Minimum	22	31	44	45	32	30	32	24	28	27	21	28	37	25	28	15	19	35	36	40	49	53	55	55	61	45	31	42	..	..	..	35.4
Central Division.																																	
Anchorage	Maximum	45	53	59	53	40	53	40	45	59	48	52	54	45	42	32	36	53	62	73	71	73	66	65	68	76	69	58	57	..	..	..	54.8
	Minimum	22	32	32	36	32	31	32	27	37	26	17	42	25	20	18	9	29	29	32	36	34	46	50	48	55	40	31	33	..	..	..	32.2
Bardstown	Maximum	46	51	61	53	45	55	49	49	62	54	56	57	55	42	41	38	54	63	72	69	74	62	69	74	75	61	62	59	..	..	..	57.7
	Minimum	22	38	42	41	33	32	33	26	36	28	20	39	34	23	27	12	32	37	41	38	40	39	45	48	54	43	53	35	..	..	..	35.4
Bowling Green	Maximum	49	54	51	53	46	60	56	50	66	53	60	55	53	46	41	41	56	67	74	72	75	66	68	72	78	72	58	58	..	..	..	59.2
	Minimum	23	40	41	46	31	32	38	28	36	28	22	42	35	28	30	21	32	38	38	39	41	51	55	55	58	44	35	41	..	..	..	37.5
Dix Dam	Maximum	45	55	62	59	54	55	53	51	56	62	54	61	55	44	40	36	54	63	69	70	72	66	68	72	78	73	59	63	..	..	..	58.2
	Minimum	24	36	37	39	36	33	36	37	35	32	21	36	30	29	27	8	33	38	36	35	34	42	55	55	61	40	37	35	..	..	..	35.8
Eubank	Maximum	44	50	63	53	50	55	53	46	56	58	58	65	55	42	40	40	45	64	67	71	73	64	68	70	71	66	60	62	..	..	..	57.8
	Minimum	19	38	45	41	41	45	31	26	33	37	18	36	36	31	27	29	36	38	44	36	33	44	53	55	54	45	35	34	..	..	..	36.8
Frankfort	Maximum	45	51	59	55	47	52	52	42	61	46	50	59	55	41	41	35	52	60	70	69	70	70	67	71	73	72	55	56	..	..	..	56.3
	Minimum	22	36	37	39	36	33	33	29	32	31	21	35	36	28	26	14	33	35	31	37	35	46	48	53	56	39	32	35	..	..	..	35.0
Franklin	Maximum	52	55	57	53	48	63	56	48	68	49	59	57	53	46	42	42	57	67	72	71	73	67	69	73	77	71	58	64	..	..	..	59.6
	Minimum	24	42	46	46	34	29	37	27	37	29	23	44	36	27	29	17	33	41	44	41	43	53	54	56	59	44	33	43	..	..	..	38.4
Greensburg	Maximum	57	53	56	59	47	57	51	..	..	..	..	62	55	49	40	39	56	68	70	71	71	70	71	76	71	62	62	..	..	..	..	459.5
	Minimum	20	42	45	44	31	30	32	28	33	28	19	34	36	26	28	11	29	40	30	34	33	45	55	53	60	45	29	39	..	..	..	35.1
Irvington	Maximum	45	53	58	47	45	54	49	45	62	41	53	52	50	41	35	37	58	62	70	69	71	67	67	69	75	64	57	59	..	..	..	55.4
	Minimum	27	36	40	43	31	32	36	27	40	31	22	41	35	27	26	16	34	41	42	41	46	57	58	57	61	40	30	37	..	..	..	38.0
Junction City	Maximum	44	51	62	50	45	55	50	47	63	60	54	61	55	44	38	38	56	64	68	72	72	72	67	70	70	72	60	64	..	..	..	57.9
	Minimum	17	40	41	38	34	32	36	27	25	30	16	29	33	25	22	3	28	42	41	39	39	49	54	53	59	44	31	34	..	..	..	33.3
Leitchfield	Maximum	46	51	52	49	45	56	51	46	68	45	53	52	52	40	32	37	53	63	70	69	70	69	70	73	77	72	59	61	..	..	..	55.7
	Minimum	27	39	43	44	31	30	35	26	37	30	22	43	33	26	27	15	32	40	39	42	45	54	54	56	59	41	35	37	..	..	..	37.2
Lexington	Maximum	48	47	60	47	36	50	44	40	59	39	51	56	46	39	32	34	50	58	66	66	69	60	60	62	65	66	60	61	..	..	..	52.2
	Minimum	28	36	41	35	30	29	30	26	32	28	27	41	32	27	13	10	31	40	46	50	52	52	55	56	40	34	31	..	..	..	..	35.6
Louisville	Maximum	45	52	57	46	38	52	46	45	57	41	53	55	48	40	34	37	52	60	70	69	70	65	65	69	74	58	54	56	..	..	..	53.9
	Minimum	28	37	41	38	31	31	33	29	35	32	28	46	33	28	18	15	35	45	46	50	48	53	55	56	57	42	39	35	..	..	..	38.0
Do. (Cherokee Park)	Maximum	44	52	57	55	45	51	51	42	58	45	51	54	53	44	40	36	52	60	70	69	69	68	64	70	74	72	55	58	..	..	..	55.6
	Minimum	25	34	37	39	31	30	34	28	37	30	22	40	34	27	24	14	32	39	39	39	38	51	53	54	61	41	38	38	..	..	..	35.9
St. John	Maximum	48	52	54	55	44	45	55	60	62	50	55	47	46	42	40	40	52	62	70	69	69	66	67	70	71	68	58	59	..	..	..	56.6
	Minimum	26	22	34	10	30	31	30	26	33	33	30	41	38	32	29	12	33	37	32	40	46	40	42	55	62	41	34	35	..	..	..	33.6
Scott	Maximum	42	48	53	47	40	47	44	42	58	39	46	55	47	37	33	28	52	60	70	69	70	65	63	70	71	67	48	49	..	..	..	52.0
	Minimum	25	33	34	40	32	30	32	29	31	29	19	18	38	33	24	19	2	26	38	39	46	41	41	51	60	41	37	30	..	..	..	31.2
Shelbyville	Maximum	42	53	58	49	43	51	46	45	61	44	52	54	52	40	35	33	53	61	71	72	71	68	65	68	72	70	57	57	..	..	..	55.1
	Minimum	22	30	34	37	30	27	32	24	30	25	19	36	31	22	19	7	28	34	33	37	34	45	51	51	54	40	33	32	..	..	..	32.3
Taylorsville	Maximum	44	51	54	52	47	54	49	42	60	45	51	57	54	46	39	35	52	60	69	68	69	66	67	70	76	69	59	58	..	..	..	55.6
	Minimum	21	32	34	36	33	32	30	27	31	30	20	35	34	24	24	13	30	31	28	31	31	43	44	52	53	43	34	31	..	..	..	32.9
Williamstown	Maximum	44	51	58	53	44	56	47	43	58	44	56	58	51	41	34	33	54	68	73	71	73	70	67	70	76	69	59	54	..	..	..	55.4
	Minimum	25	33	34	38	31	28	32	26	29	28	19	32	33	23	17	5	26	38	39	42	37	44	49	48	57	40	33	29	..	..	..	32.7
Eastern Division.																																	
Ashland	Maximum	40	44	51	60	46	44	52	46	42	64	42	48	68	56	42	32	36	54	64	70	76	70	74	62	76	68	52	54	..	..	..	55.1
	Minimum	20	22	40	36	34	34	30	32	26	30	18	20	36	28	28	4	16	32	32	34	32	36	44	48	51	34	32	..	..	..	..	30.8
Beattyville	Maximum	41	50	62	57	52	56	52	41	65	46	54	63	57	44	34	36	56	64	70	70	71	67	67	73	76	68	59	58	..	..	..	57.5
	Minimum	16	39	45	46	36	34	30	27	28	27	15	24	32	23	19	4	25	29	28	30	28	31	41	46	46	36	28	31	..	..	..	31.0
Berea	Maximum	43	51	62	60	45	53	50	42	65	43	54	64	57	42	34	35	54	63	69	70	72	65	67	70	77	67	57	57	..	..	..	57.0
	Minimum	21	39	44	41	36	33	35	29	29	28	20	41	33	27	22	2	31	41	44	47	44	50	52	57	57	42	37	35	..	..	..	36.6
Dorton	Maximum	45	50	65	65	60	60	57	47	64	60	55	67	60	47	37	38	55	66	69	74	71	74	72	78	79	70	61	60	..	..	..	60.6
	Minimum	18	34	43	47	32	36	31	31	23	30	19	22	34	30	30	6	20	30	27	29	29	30	41	48	52	30	30	36	..	..	..	31.2
Farmers	Maximum	43	58	61	56	47	53	53	42	61	59	55	65	60	56	44	..	..	..	..	..	..	72	73	67	74	72	59	57	..	..	..	*56.2
	Minimum	18	34	43	47	32	36	31	31	23	30	19	22	34	30	30	6	20	30	27	29	29	30	41	48	52	30	30	36	..	..	..	*31.9
Farmers	Maximum	43	58	61	56	47	53	53	42	61	59	55	65	60	56	44	..	..	..	..	..	..	72	73	67	74	72	59	57	..	..	..	59.1
	Minimum	13	35	41	34	31	30	28	29	22	28	16	21	21	21	23	..	..	..	..	..	..	58	31	49	54	53	36	28	32	..	..	..
Harlan§§	Maximum	43	48	65	61	51	58	59	45	62	48	59	63	50	48	35	40	51	63	70	72	72	73	69	75	70	67	64	62	..	..	..	59.4
	Minimum	28	22	40	40	34	29	28	31	25	26	19	22	32	28	28	9	30	34	54	62	71	70	72	69	66	72	55	69	51	54	..	30.7
Maysville	Maximum	41	51	54	53	45	51	48	43	62	48	52	63	57	43	39	34	54	62	71	70	72	69	68	72	75	69	58	61	..	..	..	56.1
	Minimum	20	31	42	36	33	31	32	31	27	26	18	29	35	23	20	5	30	34	31	35	32	36	50	45	53	41	36	32	..	..	..	32.3
Middlesboro	Maximum	40	47	60	58	58	53	58	54	58	57	52	59	58	49	43	37	..	..	..	..	..	66	67	70	67	70	61	46	59	51	28	42	*57.8
	Minimum	12	34	44	42	40	27	22	31	26	28	13	27	35	30	29	13	..	..	..	..	..	25	27	29	51	46	39	51	28	42	..	*32.0
Mount Sterling	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Quicksand	Maximum	45	52	64	61	49	57	56	43	65	62	55	56	60	46	48	38	57	63	70	71	72	74	67	76	76	70	61	60	..	..	..	59.9
	Minimum	17	40	48	37	36	34	22	31	23	31	17	22	33	29	25	7	23	27	25	27	27	29	45	49	52	49	39	41	..	..	..	30.1
Richmond	Maximum	42	50	63	63	44	55	49	46	62	50	58	61	56	47	44	37	54	62	70	71	75	67	67	70	73	67	60	62	..	..	..	58.0
	Minimum	28	38	42	44	36	32	36	29	32	30	23	41	33	28	24	5	31	40	43	45	45	47	54	54	60	46	37	35	..	..	..	37.1
Williamsburg	Maximum	47	54	64	61	58	60	58	57	68	61	58	61	59	49	52	41	55	62	70	72	72	70	73	76	78	71	63	61	..	..	..	61.8
	Minimum	18	38	43	43	38	28	30	26	29	29	12	35	31	21	28	8	24	32	27	27	24	32	51	50	50	49	27	39	..	..	..	31.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* ... etc. indicate respectively 1, 2, 3 etc. days missing from record.

‡‡ 8 to Louisville 2-27 30-10 00

551.03
UNKE
THE LIBRARY OF THE
MAY 1 1930
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXV LOUISVILLE, KY., MARCH, 1930 No. 3

GENERAL SUMMARY.

Light precipitation and variable temperatures characterized weather conditions. On the whole the weather was favorable for spring work, resulting in highly satisfactory progress; but there were some features that were unfavorable and damaging. The sudden descent in temperature on the 2d, following the persistent and unseasonable warmth of the month preceding, caused considerable injury to prematurely advanced fruit and strawberry and also killed much young clover which had just sprouted. These freezes checked the growth of grain and grasses and were beneficial in retarding other fruits that had set blossomed. In the fortnight of moderate weather that extended past the middle of the month, sowing of tobacco plant-beds was practically completed, considerable potato planting was accomplished, oats sowing became fairly general in the western and southern counties, and some headway was made in plowing for corn. Clover was resown and there was marked progress in early gardening. The dryness of the soil and its excellent working condition were important factors in stimulating these activities. Several days with temperatures much above normal caused some pears and plums to bloom, only to be killed later by severe freezes. Pastures on warm slopes reached such a stage that they could be grazed. In the last decade low temperatures predominated, with much cold wind and disagreeable weather. Repeated night freezes, some of them quite severe, practically stopped all growth and prevented germination of early planted seeds. The activities started in the preceding warm period continued, as inclement conditions permitted, influenced largely by the excellent condition of the soil; but progress was slow, and most farmers were disposed to await warmer weather. Tobacco plants in the warmest locations began to come up, but for the most part temperatures were too low to permit germination even with the protection of cloth Grains and grasses almost entirely ceased to grow during the last week.

TEMPERATURE.

The average temperature for the State, based on reports from 26 stations, was 44.5°, which is 1.8° below normal. Daily deficiencies of 10° to 20° occurred in the periods 2d-4th and 26th-30th. Minima ranged from 10° to 20° in the first of these two periods, but freezes almost as severe occurred near the end of the month after growth had started. The extremes were 76° at Paducah the 15th at Lovelaceville and 9° on the 3d at Mt. Sterling.

PRECIPITATION.

The State average, as determined from the records of 85 stations, was 2.17 inches, which is slightly less than half the normal precipitation. Light to moderate showers occurred in the periods, 1st-3d, 7-8th, 11-12th, 18-19th, and 24-26th. There were moderate to heavy rains in a few localities on the 17th, 18th, and 24th. In the central and most of the western counties monthly amounts ranged from 1.5 to 2.0 inches. Areas in the eastern third of the State, limited to a few counties, received from 3.0 to 4.0 inches. The total snowfall varied from mere flurries to 1.0 inch in most of the State. Limited districts in the Green River and Licking Valleys, and in the southeastern counties, received from 2.0 to 3.0 inches. The total precipitation for the State ranged from 0.97 inch at Woodbury to 4.25 inches at Vanceburg. Thunderstorms were reported on the 7th, 10th, 11th, 18th and 23.

PRESSURE AND WIND.

Stations	Atmospheric Pressure (In inches reduced to sea-level) Average.	Highest.	Date.	Lowest.	Date.	Wind * Total movement	Wind * Mean hourly velocity	Wind * Max. Velocity, 5 Miles per hour	Wind * Max. Velocity, 5 Direction	Wind * Max. Velocity, 5 Date
Cairo ..... Ill.	29.94	30.41	2	29.23	7	7284	9.8	29	nw.	11
Cincinnati ..... Ohio	29.89	30.44	14	29.20	7	7156	9.6	28	nw.	26
Evansville ..... Ind.	29.93	30.52	2	29.27	7	7502	10.5	35	w.	11
Lexington ..... Ky.	29.84	30.39	14	29.23	7	11218	15.1	40	w.	26
Louisville ..... Ky.	29.93	30.38	14	29.22	7	9133	12.3	38	nw.	26

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible	Number of days with 60 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	78	59	55	267.4	371.4	72	19	4
Cincinnati ..... Ohio.	76	56	57	248.1	371.1	67	16	3
Evansville ..... Ind.	74	54	54	260.5	371.2	70	18	4
Lexington ..... Ky.	78	60	[illegible]	191.8	371.2	52	8	9
Louisville ..... Ky.	71	50	50	243.4	371.2	66	15	4

COMPARATIVE DATA FOR MARCH.

Year.	Temperature. Monthly average.	Departure from 40-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 40-year normal.	No. of days with .01in or more rain.	Average Number of Days. Clear.	Partly cloudy.	Cloudy.	Average snowfall
1889...	40.5	− 5.8	84	18	1.52	−3.17	..	..	..	..	..
1890...	41.2	− 5.1	78	4	8.34	+3.65	..	..	..	..	..
1891...	41.8	− 4.5	71	9	8.08	+3.39	..	..	..	..	..
1892...	40.6	− 5.7	82	7	4.08	−0.61	..	..	..	..	..
1893...	45.0	− 1.3	89	5	2.76	−1.93	..	..	..	..	..
1894...	50.8	+ 4.5	86	16	2.72	−1.97	..	..	..	..	..
1895...	45.0	− 1.3	88	15	3.17	−1.52	9	13	7	10	..
1896...	41.1	− 5.2	80	8	6.16	+1.47	12	9	9	13	....
1897...	49.6	+ 3.3	86	20	7.93	+3.25	14	8	9	14	0.2
1898...	50.7	+ 4.4	91	16	7.59	+2.90	13	8	9	14	1.0
1899...	43.9	− 2.4	80	− 3	3.10	−1.41	15	8	10	13	2.4
1900...	42.8	− 3.5	81	− 3	2.58	−1.93	9	11	8	12	3.9
1901...	46.4	+ 0.1	87	3	3.50	−1.19	10	9	7	15	0.5
1902...	47.2	+ 0.9	82	7	4.44	−0.25	11	10	9	12	6.1
1903...	52.5	+ 6.2	85	19	4.43	−0.26	12	9	7	15	T.
1904...	47.7	+ 1.4	88	12	6.26	+1.57	12	9	8	13	0.5
1905...	52.2	+ 5.9	86	22	4.45	−0.24	9	15	6	10	T.
1906...	39.2	− 7.1	75	3	6.37	+1.68	16	6	5	20	2.0
1907...	54.9	+ 8.6	92	18	2.28	−2.41	10	13	6	12	0.3
1908...	51.8	+ 5.5	88	19	5.42	+0.73	13	10	7	14	0.7
1909...	44.8	− 1.5	74	17	5.14	+0.45	11	11	7	13	T.
1910	55.0	+ 8.7	91	11	6.79	−3.90	3	18	7	6	0.3
1911	46.0	+ 0.3	87	7	2.57	−2.12	9	14	5	12	6.6
1912	41.3	− 5.0	88	10	6.22	+1.53	15	9	3	19	6.6
1913	46.5	+ 0.2	85	1	4.29	+2.53	10	12	7	12	6.5
1914	41.8	− 4.5	78	2	3.62	−1.67	12	10	6	15	6.4
1915	37.8	− 8.5	65	11	2.11	−2.78	8	12	5	14	3.2
1916	43.5	− 2.8	84	4	3.39	−1.30	10	12	8	11	3.7
1917	45.9	+ 0.4	85	0	6.52	+1.83	11	13	6	12	8.1
1918	51.6	+ 6.3	85	16	1.97	−2.72	8	15	7	9	T.
1919	47.6	+ 1.3	84	16	5.65	+0.96	9	15	6	10	T.
1920	46.2	0.0	83	1	4.85	+0.16	13	15	6	10	0.6
1921	50.7	+10.4	87	19	5.75	+1.06	11	13	9	9	T.
1922	49.4	+ 3.1	83	13	8.11	+3.42	14	9	6	16	0.5
1923	45.6	− 0.7	86	8	3.25	−0.68	6	15	7	9	T.
1924	41.5	− 4.8	81	14	3.05	−1.14	6	9	5	17	1.8
1925	40.2	− 2.9	81	4	3.59	−1.16	6	18	5	8	0.4
1926	40.2	− 6.1	84	3	2.89	−1.89	11	12	6	13	2.3
1927	48.4	− 2.1	82	10	6.04	+1.25	11	12	7	12	3.5
1928...	47.6	− 0.7	85	12	2.61	−2.05	8	12	8	11	2.7
1929...	52.1	+ 5.7	91	9	4.77	−0.52	10	13	8	10	1.2
1930...	44.5	− 1.8	76	9	2.17	−2.52	9	15	7	9	1.2

Climatological Data for March, 1930.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	26	45.8	— 1.8	75	13†	19	3	43	1.45	—2.79	0.60	.....	3	19	5	7	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	26	46.0	— 3.2	73	13	20	3	36	1.34	—3.38	0.35	3.0	8	5	21	5	nw.	W. A. Taylor.
Earlington	Hopkins	420	40	46.6	— 1.1	74	13	20	3†	38	1.28	—3.71	0.56	T.	6	21	2	8	nw.	Brick Southworth.
											2.29		0.56	3.5	9					P. H. McGinnis.
Earlington	Hopkins	386									1.34	—3.61	0.73	0.0	5	11	13	7	w.	C. R. Lovell.
Fords Ferry, Dam 50	Crittenden	519	18	45.2	— 3.0	72	13†	18	3	38	1.46	—3.57	0.69	0.2	8	9	7	15	se.	W. E. Graves.
Greenville	Muhlenburg	524	34	46.0	— 3.3	74	17	19	3	38	2.53		0.96	2.5	7	12	10	9	sw.	B. Sallee.
Hopkinsville	Christian	.....	1	47.2	.....	76	15	20	3	37					7	12	13	10	nw.	B. C. Paris.
Lovelaceville	Ballard	571	32	45.8	— 2.7	71	15	19	3	36	1.62	—2.98	0.50	T.	4	13	8	10	nw	Mrs. C. R. Sowell.
Marion	Crittenden	364	21	47.8	— 3.1	73b	15†	20b	3	38b	2.65	—2.86	1.00	.....	5	18b	7b	4b	nw	Harry B. Arnold
Mayfield	Graves	412	4	45.4	.....	75	15	20	3	44	2.61	.....	0.94	T.	4	18	2	11	s.	Henry S. Berry.
Murray	Calloway	479	33	43.6	— 3.5	71	13†	19	21	36	1.23	—3.30	0.62	T.	4	18	2	11	s.	George McGlemary.
Owensboro	Daviess	404	2	.....	.....	.....	.....	.....	.....	.....	1.42	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Lilley
Owensboro, Dam 46	Daviess	516	13	46.5	— 2.7	74	15	19	3	36	2.47	—2.85	0.96	1.0	6	20	5	6	nw.	Frank L. Brown.
Paducah (near)	McCracken	341	41	.....	.....	.....	.....	.....	.....	.....	2.29	—2.08	0.70	T.	8	.....	.....	.....	.....	Dr. W. L. Cash.
Paducah	McCracken	529	23	45.4	— 3.1	73	13	20	21	39	1.53	—3.62	0.59	1.0	7	16	8	7	s.	Thos. L. Wetzell.
Princeton	Caldwell	384	13	.....	.....	.....	.....	.....	.....	.....	1.19	—3.43	0.34	.....	8	.....	.....	.....	.....	Wm. Shelton.
Rumsey, Lock 2‡	McLean	590	19	b45.7	— 3.1	72	13†	.....	.....	37	1.32	—3.67	0.83	0.1	8	15	2	14	s.	H. R. Sale
Russellville	Logan	357	2	.....	.....	.....	.....	.....	.....	.....	2.29	.....	0.66	.....	8	.....	.....	.....	.....	
Uniontown, Dam 49	Union	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. L. Moore.
Central Division.																				
Addison, Dam 45	Breckinridge	352	2	.....	.....	.....	.....	.....	.....	.....	1.31	.....	0.33	0.5	8	.....	.....	.....	.....	C. E. Barret.
Anchorage	Jefferson	700	29	b41.8	— 3.2	73b	17	17b	3	41b	1.33	—2.80	0.99	0.3	6	16b	4b	9b	sw.	Mrs. Emily T. Sisco.
Bardstown	Nelson	637	33	44.8	— 2.1	74	17	15	3	41	1.78	—2.99	0.40	1.5	9	18	5	8	w.	Mrs. Lillie G. Causey.
Bowling Green	Warren	500	41	47.0	— 1.5	75	12†	19	3	42	1.48	—3.84	0.55	0.0	9	14	9	8	w.	Jas R. Hines.
Bowling Green, No. 2	Warren	469	5	.....	.....	.....	.....	.....	.....	.....	1.17	.....	0.35	.....	7	.....	.....	.....	.....	Virgil M. Whalin.
Bowling Green, No. 2	Warren	410	18	.....	.....	.....	.....	.....	.....	.....	1.98	—4.33	0.47	.....	8	.....	.....	.....	.....	
Brownsville, Lock 6‡	Edmonson	473	39	.....	.....	.....	.....	.....	.....	.....	3.01	—2.23	1.09	1.5	10	.....	.....	.....	.....	T. A. Lewis
Burnside	Pulaski	422	31	.....	.....	.....	.....	.....	.....	.....	1.85	—1.73	0.39	.....	8	.....	.....	.....	.....	Shelby Angel.
Carrollton, Lock 1	Carroll	489	4	.....	.....	.....	.....	.....	.....	.....	1.66	.....	0.74	.....	11	.....	.....	.....	.....	Bert Ross.
Cold Spring, Dam 36	Campbell	770	6	45.4	.....	72	16	17	3	39	2.39	.....	0.68	0.0	9	10	12	9	nw.	G. D. Glass.
Diz Dam, Burgin	Mercer	1177	36	44.2	— 1.9	75	16	12	3	41	1.87	—3.11	0.49	T.	6	16	7	8	s.	Mrs. Katie Payne.
Eubank	Pulaski	560	18	44.6	— 2.0	71	17	17	3	35	1.42	—3.19	0.51	0.8	10	17	4	10	w	Sidney Wood.
Frankfort	Franklin	691	35	47.2	— 2.4	75	15	19	3	43	2.00	—3.08	1.05	.....	4	22	6	3	w.	M. E. Johnson.
Franklin	Simpson	449	19	.....	.....	.....	.....	.....	.....	.....	1.80	—2.36	0.48	.....	12	.....	.....	.....	.....	Albert Purvis.
Gest, Lock 3	Henry	780	9	.....	.....	.....	.....	.....	.....	.....	1.75	.....	0.85	.....	8	.....	.....	.....	.....	W. T. Dugan.
Grant, Dam 38	Boone	531	37	44.0	— 2.6	72	16†	18	3	42	1.88	—3.29	0.37	0.5	10	8	1	27	sw.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	550	28	.....	.....	.....	.....	.....	.....	.....	2.45	—1.99	0.70	0.5	9	.....	.....	.....	.....	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	646	32	44.0	— 3.2	71	17	18	3	36	1.08	—3.64	0.52	0.5	8	16	6	9	w.	W. J. Piggott.
Irvington	Breckinridge	985	36	44.2	— 1.9	72	13†	15	3	43	3.05	—2.12	0.71	2.0	12	14	12	5	s.	Caroline Grubbs.
Junction City	Boyle	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.93	.....	0.44	0.0	12	.....	.....	.....	.....	L. J. Vanlook.
Lancaster	Garrard	1032	4	.....	.....	.....	.....	.....	.....	.....	1.52	—2.96	0.60	1.2	7	13	7	11	w.	H. H. Willis
Leitchfield	Grayson	635	34	44.6	— 1.9	72	13†	16	3	37	2.54	—1.78	0.83	1.0	12	12	10	9	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	46	40.8	— 2.9	67	13	13	3	35	2.28	—1.55	0.47	2.0	9	.....	.....	.....	.....	Horace Canter.
LittleRickman, Lock 8¶	Jessamine	523	19	.....	.....	.....	.....	.....	.....	.....	1.96	—2.12	0.53	1.5	7	.....	.....	.....	.....	Andrew J. Keenan.
Lockport, Lock 2	Henry	476	20	.....	.....	.....	.....	.....	.....	.....	1.62	—2.77	0.71	0.4	7	11	12	8	sw.	U. S. Weather Bureau.
LOUISVILLE	Jefferson	525	57	43.4	— 2.0	71	13	19	3	33	1.32	—2.89	0.51	0.6	9	13	6	12	nw.	Wm. J. Hunt.
Do. (Cherokee Park)	Do.	534	20	44.0	— 2.2	71	13†	18	3	38	2.52	.....	0.80	.....	6	.....	.....	.....	.....	A. G. Hubbard.
Munfordville	Hart	600	5	.....	.....	.....	.....	.....	.....	.....	1.75	—3.24	0.68	2.5	8	19	7	5	.....	Sisters of Loretto.
Munfordville	Hardin	777	35	43.7	— 1.8	71	13†	12	3	44	3.05	—0.43	0.75	0.6	8	.....	.....	.....	.....	Ernest M. Searcy.
St. John	Mercer	490	16	.....	.....	.....	.....	.....	.....	.....	2.07	—2.81	0.91	3.0	8	11	9	11	w.	E. B. Wilson.
Salvisa, Lock 6¶	Kenton	900	32	41.8	— 1.9	72	17	13	3	36	1.63	—3.26	0.63	0.4	11	17	1	13	sw.	Miss Ruth Rattia.
Scott¶	Shelby	825	41	41.8	— 3.1	73	17	10	3	40	1.72	—2.92	0.60	0.1	11	15	9	7	sw.	E. D. Bourne.
Shelbyville	Spencer	489	28	42.4	— 3.2	71	17	16	3	38	2.30	—1.23	0.47	1.0	9	.....	.....	.....	.....	H. K. Vaughn.
Taylorsville	Anderson	526	12	.....	.....	.....	.....	.....	.....	.....	2.20	—2.18	0.86	3.5	11	20	6	5	w.	Miss Nettie B. Simpson.
Tyrone, Lock 5¶	Anderson	843	27	42.2	— 2.4	73	16†	11	3	41	0.97	—4.47	0.30	.....	8	.....	.....	.....	.....	H. J. Lewis.
Williamstown	Grant	593	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Woodbury, Lock 4‡	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Curtis Purvis.
Eastern Division.																				
Ashland	Boyd	534	13	41.9	— 5.7	74	17	12	3	40	3.19	—0.80	0.99	1.7	11	12	0	19	so.	Robert S. Smallwood.
Beattyville	Lee	650	26	43.2	— 2.7	73	13	14	3	45	3.24	—1.84	0.66	2.0	14	6	11	14	sw.	Chas. C. Graham.
Berea	Madison	1070	25	44.9	— 2.2	71	13†	14	3	38	2.93	—1.80	0.69	0.8	12	16	5	10	w.	Kelly Walden
College Hill, Lock 11	Madison	601	20	.....	.....	.....	.....	.....	.....	.....	2.38	—1.78	0.50	1.5	11	.....	.....	.....	.....	P. H. Kehoe.
Cynthiana	Harrison	684	12	.....	.....	.....	.....	.....	.....	.....	3.04	—2.23	0.45	2.5	10	.....	.....	.....	.....	James Sowards.
Dorton	Pike	.....	.....	43.8	.....	75	16	15	2	47	2.78	.....	0.50	5.5	12	17	7	7	.....	J. V. Oldham.
Falmouth	Pendleton	600	41	.....	.....	.....	.....	.....	.....	.....	2.00	—2.13	0.79	0.5	10	.....	.....	.....	.....	Mrs. R. F. Stamper.
Farmers	Rowan	668	22	44.6	— 0.7	72	16†	15	3	42	2.92	—1.54	0.73	.....	6	13	7	11	e.	C. A. Glascock
Flemingsburg	Fleming	841	3	.....	.....	.....	.....	.....	.....	.....	3.08	.....	0.94	.....	7	.....	.....	.....	.....	John A. Walters.
Ford, Lock 10¶	Clark	593	14	.....	.....	.....	.....	.....	.....	.....	2.15	—1.42	0.47	.....	9	.....	.....	.....	.....	Col. Frank Powers
Grayson	Carter	589	5	.....	.....	.....	.....	.....	.....	.....	2.22	.....	0.56	2.0	8	.....	.....	.....	.....	T. Mitchell.
Greenup, Dam 30	Greenup	540	9	.....	.....	.....	.....	.....	.....	.....	2.34	—1.32	0.58	0.8	11	.....	.....	.....	.....	W. W. Duffield.
Harlan	Harlan	1157	2	43.8	.....	74	16	14	3	45	3.85	.....	0.95	3.0	11	17	4	10	sw.	Chas O. Ihrig.
Hazard	Perry	869	6	.....	.....	.....	.....	.....	.....	.....	2.75	.....	0.91	1.0	13	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	664	13	.....	.....	.....	.....	.....	.....	.....	2.66	—1.56	0.59	0.3	12	.....	.....	.....	.....	R. R. Davidson.
Jenkins	Letcher	1566	5	.....	.....	.....	.....	.....	.....	.....	1.93	.....	0.50	.....	9	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	564	26	.....	.....	.....	.....	.....	.....	.....	2.03	2.06	0.51	.....	9	.....	.....	.....	.....	J. L. Manning.
Manchester	Clay	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.01	—1.49	0.97	2.0	10	.....	.....	.....	.....	Perry E. Bennett
Maysville	Mason	524	33	44.4	— 0.2	74	16†	15	3	42	2.21	—2.27	0.76	0.5	9	11	6	14	sw.	Matthew Woodson.
Mildlesboro	Bell	1128	34	45.8	— 2.7	70c	16	16c	3	42c	3.45	—2.13	1.40	0.5	8	15c	13c	2c	w.	W. R. McKee.
Mount Sterling	Montgomery	930	40	41.7	— 2.3	73	13†	9	3	40	2.59	—2.62	0.68	2.5	8	15	4	12	w.	Andrew M. Stanforth.
Onesuta, Dam 35	Campbell	497	8	.....	.....	.....	.....	.....	.....	.....	1.87	.....	0.85	1.2	10	.....	.....	.....	.....	Robert Repass.
Pikeville	Pike	636	24	.....	.....	.....	.....	.....	.....	.....	2.66	—1.73	0.82	1.0	11	.....	.....	.....	.....	F. C. Hall.
Prestonsburg	Floyd	640	5	.....	.....	.....	.....	.....	.....	.....	2.83	.....	0.47	.....	13	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breathitt	732	5	44.0	.....	74	18	15	3	44	3.47	.....	0.76	1.0	11	.....	.....	.....	.....	Walter P. Bush.
Ravenna, Lock 12	Estill	631	12	.....	.....	.....	.....	.....	.....	.....	2.58	—1.06	0.48	.....	12	.....	.....	.....	.....	
Richmond	Madison	926	39	45.5	— 0.5	71	13†	15	3	41	2.56	—1.89	0.75	1.0	9	18	4	9	.....	Thos. Sullivan.
Valley View, Lock 9	Madison	541	17	.....	.....	.....	.....	.....	.....	.....	1.92	—1.90	0.40	1.0	10	.....	.....	.....	.....	H. M. Fannin.
Vanceburg, Dam 32	Lewis	525	15	.....	.....	.....	.....	.....	.....	.....	4.25	—0.38	1.07	.....	7	.....	.....	.....	.....	G. H. Zimmerman.
Whitesburg	Letcher	1142	5	.....	.....	.....	.....	.....	.....	.....	2.65	.....	0.62	1.8	10	.....	.....	.....	.....	Lawrence R. Uhl.
Williamsburg	Whitley	939	33	45.9	— 1.2	75	13	19	3	50	3.34	—1.63	1.06	T.	6	24	6	1	.....	Jessie Hicks.
Wolley, Lock 13	Lee	611	11	.....	.....	.....	.....	.....	.....	.....	2.67	1.49	0.50	1.0	9	.....	.....	.....	.....	
State averages and or items				44.5	— 1.8	76	15	9	3	50	2.17	—2.52	1.40	1.2	9	15	7	9	w.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, *, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oak.

† Also on other dates. ++ Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow

¶Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

Rivers:—From moderately high stages at the beginning of the month the Ohio River declined slowly and had subsided nearly to pool stages by the end. Tributaries in the same were comparatively low.

Errata for February, 1930.

Lexington, maximum temperature, 16th 33; mean maximum 52.1, monthly mean temperature 43.8.

High Bridge, total precipitation 3.23; departure, —0.02.

Daily Precipitation for March, 1930.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
r Dam ....G							.45				.60							.40														
n ....G	T.	.04					.35	T.			.12							.26	T.		.20			.10		.01						1.45
gton ....G	T.	.04					.41				.02							.56	T.					.12	.10	T.						1.24
Ferry, Dam 50 ....O	T.	.05					.28	.05				.02						.33	.09					.56	.84	.37						2.46
ville ....G							.38				T.							.61						.11	.10							1.34
nsville C	.06					T.	.41			.16	.10						.02	.73						.06	.07	.01						1.46
esville ....M	.12					.34	.36				.01							.61						.96	.13							2.33
n ....O		T.					.50											.27						.50	.38							1.65
ld ....M	.05						.60											.94						.50	.50							2.01
y ....T	T.					T.	.93			.22								1.00						.50	.50							2.65
sboro ....O	T						.33	T.		T.								.94						.51	T							2.01
sboro, Dam 46 ....O																		.62						.10	.18	T.						1.23
ah (near) ¶ ....O	.03						.27	.41																								1.42
ah ....O		.10				.26	.48	.06										.75						.96	.06							2.47
ton ....G	.12	T.					.45	.06										.45	.20					.70	.20	.10						2.29
g, Lock No. 2 ....G		.12				.18	.27			T.	.05							.59						.26	.06							1.53
lville ....G		.05					.34	.04			.11							.10	.16					T	.22	.10						1.59
town, Dam 49 ....O							.27	.06			.14							.25	.33						.17	.01						1.32
Central Division							.35	T.				.06						.43	.10					.66	.58	.03						2.29
on, Dam 45 ....O		T.	T.				.39	.11			.15							.04	.29		T.	.13		T.	.16	.04						1.31
orage ....O	.06					T.	.99											.12						.16	.03	.03						1.33
town ....S	.05	.25					.40	.12			.20							.25			.25			.14	.12							1.78
ng Green ....G	T.	.10					.30		.03	.12						.05	.55					.05	.23	.05							1.43
ng Green, No. 2 ....G		.05					.18	.05			.16						T.	.35	.25						.14							1.17
sville, Lock No. 6 ....G		T.	.01				.30	T.			.22	.08					T.	.35	.47					.44	.04							1.96
ide C		.14	.08				.45	.10			.44	.05						.67	1.09	T.				.50	.02							3.01
lton ¶ (Lock No. 1) ....K		.23					.34	.39			.10	.05						.05	.18					.39	.17							1.85
spring, Dam 36 ¶ ....O		.13	T	.01			.13	.74	T.		.12	.06						.05	.18					.18	.05	.01	T.					1.66
an, Burgin ¶ ....K	.20					.28	.32			.11	.20					T.		.30			.26			.68	.04							2.39
ak ....G		.35	.10						.32		.40							.49						.21								1.87
fort ¶ ....K		.05	T.	T.			.40	.51				.05				.20		.03	.05		T	.04		.85								2.00
lin ....G							.30												1.05						.20	.06	.03					1.42
Lock No. 3 ¶ ....K		.16	.02				.38	.18			.01	.22						.11	.14			.02			.20	.02	.01					1.80
, Dam 33 ¶ ....O		.08	T.	T.			.21	.85			.04	.02						.10	.16		T.				.30	T.	T.					1.75
sburg ....G	.28	.09					.27	.08			.17	.03						.37	T.					.30	.25	.04						1.83
Bridge, Lock No. 7 ¶ ....K		.21	T.				.43	.82			.05	.18							.25			.30			.70	.01						2.45
gton ....O	.05	T.	T.			T.	.52				.07							.13			.07		.02	.18	.04						1.08
on City ....K	.04	.35					.53	.30			.36	.04						.32	.58		.20			.10	.71	.02						3.05
ster ¶ ....K		.44	.01				.84	.28		.15	.06					.01			.25	.01		.10			.27	.61						1.93
field ....G	T.	.07					.60			T.	.20							.60						.05	.15	.05						1.72
gton *** ....K	.33	.51	T.			.11	.58	.02		.01	.04							.26	T.		.15			.45	.10	.03						2.54
Hickman, Lock No. 8 ....K		.20	T.				.47	.28			.20	.20						T.	.23			.20			.45	.05	T.					2.28
ort, Lock No. 2 ¶ ....K	.13	T.				.51	.53			T.	.26						.07	.34						.12	T.	T.					1.96
ort *** ....O	.09	T	T.			T.	.71			T.	.34		T.					.17			.06			.17	.08	T.					1.62
(Cherokee Park) ....O	T.	.08					.51	.13			.06	.09						.13	T		.06				.21	.05						1.32
ordville ....G		.10					.38	.42			.69							.13							.80							2.52
lin ....S.	T	.15				T.	.68	.10			.17							.38			.61				.18	.08						1.75
a, Lock No 6 ....K		T.	T.				.60	.50			.12	.28						T.	.34		T.	.40			.75	.06						3.05
....L	T	.20	T.				.91	.21			.21	T.						.27	T					.13	.10	.04						2.07
rsville ....S	.03	.68	T.				.63	.17			.11							.17	.01		.03			.12	.22	.06						1.63
e, Lock No. 5 ....K	.15	.10				.33	.47				.20							.30	.02		.25			.08	.04	T						1.72
nstown L	.07	.14					.86	.22			.08	.02						.06	.02		.25			.10	.09	.24						2.20
bury, Lock No. 4 ¶ ....G		.05	T.				.20				.13	.04						.13	.30						.08	.04						0.97
Eastern Division																																
nd ....O		.39	.04	T.			.30	.99	.09		.25	.08							.51						.80	.12	.02						3.19
rville ....K		.26	.02	T.			.33	.36	.03		.39	.17					.14	.12	.06	T.		.10			.60	.07	.05						3.24
e Hill, Lock No. 11 ....K		.48	.03				.48	.26			.69	.04						.39	.03		.18		.03	.30	.02							2.93
....L		.40	.02				.30	.50			.85	.16					T.		.20			.20		.25	.04	.02						2.88
a L		.23					.34	.42			.16	.02						.16	.20		T.			.45	.04	.02						2.04
uth ....B	.10	.15					.47	.28			.50	.26					.02	.41	.25		.06			.10	.15	T.						2.75
rs L		.14	.02	T.			.38	.79			.69						.02	.12	.21					.17	.03	.05						2.00
nsburg L		.46					.32	.73			.39								.65					.37								2.92
Lock No. 10 ¶ ....K		.36	.20				.94	.16										.62						.66	.20							3.06
on ....O		.24	T.	T.			.47	.25	T.		.15	.09						.03	.27	T.	T.	.30		.35	T.	T.						2.15
ap, Dam 30 ....O		.40			.05	.23	.44	.37	.06		.20								.29					.56		.07						2.22
a C		T.	.22				.95	.35	.03	.88	.35	.12						.01	.58		.02	T.		.53	.05							2.34
l ....K		.23	.06				.25	.36	.04		.27	.09					.03	.09	.91			.03		.32	.14	T						3.85
berg, Lock No. 14 ¶ ....K		.11	.07						.05		.40	.20					.19	.24	.59			.12		.25	.14	T.						2.75
n ¶ ....K		.10	.12			.50	.10				.45					.04	.12							.68	.06	.02						2.68
....B		.10					.32	.88	.05	.25									.51	.15				.35	.05							1.93
nester ....K			.04				.39	.18	.07		.85	.15						.09	.97					.20	.07							2.03
llie ....O		.27	T.				.20	.76	.01		.08	T.						.02	.52					.73	.04							3.01
sboro C		T.	.05				1.40	.18			.35							.16	.74	.24				.33	.02							2.21
Sterling L		.32	.07				.34	.21			.32							.68	T				T	.36								3.45
ta Dam 35 ....O		.20	T.	T.			.09	.85	T.		.02	.06						.08	.19					.60	.05							2.59
lle ....B		.18	.10				.22	.10	.26		.36	.22						.12	.82	T.				.30	.05	.02	T.					1.87
nsburg ....B		.25					.47	.26	.17		.25	.12					.05	.18	.47			.12		.18	.10	T						2.66
sand ....K	.31		T.				.89	.29	.11		.86	.24				.22		.08	.76	T.				.28	.11	.10						2.83
na, Lock No. 12 ¶ ....K		.48	.18				.26	.18	T.		.15	.12					.10		.42		.15			.54	.17							3.47
ond ....K	T.	.35	T.				.75	T.			.48	.08						.25			.22		.13	.40	.08	.12						2.58
View, Lock No. 9 ¶ ....K	.20	.05					.30			.40	.25						.02	.28			.34			.10	.20							2.56
burg, Dam No. 32 ....O		.46					.25	1.07	1.60		.28								.95					.04	.01							1.92
sburgh ....K		.20	.06				.41	.35	.15		.37							.06	.62					.24								4.26
nsburg ¶ C		.27	T.				.63	.29			.53								1.06					.12	.81							2.65
, Lock No 13 ....K		.40			.10			.45			.22	.20				.20		.50						.65	T.							3.34
																								.40	.10							2.67

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the e of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

¶ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking: (K) Kentucky: (S) Salt: (G) Green: (C)Cumberland Tennessee: (O) Ohio: (M) Mississippi.

¶Lone Oak.

Daily Temperatures for March, 1930.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	60	43	35	51	61	56	55	49	61	67	58	61	75	61	71	75	73	67	52	65	52	71	69	57	44	49	50	51	56	54	68	58.6
	Minimum	31	21	19	24	32	26	45	24	25	35	34	31	40	44	37	41	51	42	36	30	32	29	50	29	26	26	27	24	24	24	25	32.1
Calhoun	Maximum	59	33	34	52	58	56	55	47	59	65	59	60	73	68	70	70	70	50	64	64	61	52	67	66	55	44	45	51	55	52	66	57.4
	Minimum	33	21	20	27	35	30	46	34	30	40	35	33	45	45	38	47	54	36	35	35	39	32	31	51	28	26	29	28	31	28	32	34.6
Earlington	Maximum	59	31	35	52	58	59	55	50	59	65	57	60	74	62	72	71	71	68	51	65	62	54	69	67	57	46	47	49	55	52	66	58.0
	Minimum	31	22	20	25	39	28	46	34	26	38	39	31	49	47	49	46	55	40	36	34	40	33	32	51	37	26	33	25	27	24	28	35.2
Greenville	Maximum	58	34	34	52	58	57	55	58	58	65	58	59	72	72	71	68	69	66	50	63	60	52	66	63	54	45	48	49	54	52	65	57.6
	Minimum	29	20	18	23	30	27	45	33	24	33	36	31	43	46	37	46	54	40	35	32	40	33	29	49	27	25	28	24	26	24	27	32.7
Hopkinsville	Maximum	59	32	35	53	58	54	50	48	60	63	57	60	73	69	73	69	74	65	52	64	59	55	70	64	53	50	50	55	56	55	67	57.7
	Minimum	32	22	19	24	34	31	47	34	26	39	37	30	46	49	39	44	54	43	36	32	41	36	33	50	29	27	29	26	26	27	29	34.2
Lovelaceville	Maximum	58	35	42	56	57	57	55	51	60	63	60	61	72	64	76	69	73	68	53	67	60	58	70	64	54	46	47	51	56	52	65	59.2
	Minimum	30	24	20	26	33	33	46	35	28	45	43	32	43	54	39	47	52	39	34	35	36	32	41	36	32	41	36	33	33	28	26	33.3
Marion	Maximum	57	30	36	52	56	58	51	51	58	63	57	63	70	68	73	73	70	67	63	65	61	62	68	64	54	46	47	51	56	52	66	57.0
	Minimum	29	20	19	26	36	32	44	32	29	42	36	37	44	46	40	42	55	40	35	32	40	33	29	49	31	29	28	28	27	34	34	34.5
Mayfield	Maximum	62	56	47	54	..	57	54	51	59	59	55	60	70	68	73	73	70	67	63	65	63	65	73	69	49	31	29	28	28	27	34	60.8
	Minimum	31	21	20	26	..	35	46	34	50	41	35	32	44	45	40	42	55	40	35	33	37	34	49	31	29	28	28	27	34	34	34	34.8
Murray	Maximum	56	34	40	54	58	55	52	50	60	61	60	60	65	68	75	70	70	65	60	64	60	58	71	65	52	49	50	52	56	57	68	58.5
	Minimum	30	22	20	21	33	28	47	27	28	31	33	28	35	44	41	40	51	41	35	31	40	38	29	49	31	30	23	22	21	23	24	32.3
Owensboro	Maximum	55	39	31	48	54	58	55	48	56	55	48	58	71	69	68	68	71	61	48	62	60	52	66	64	56	48	48	47	52	49	43	54.9
	Minimum	32	22	20	21	33	28	47	27	28	31	33	28	35	44	41	40	51	41	35	31	40	38	29	49	31	30	23	22	21	23	24	32.2
Paducah (near)	Maximum	56	32	40	55	56	56	53	52	59	62	58	60	70	66	74	68	72	63	51	66	60	58	71	65	50	44	49	50	55	54	67	57.2
	Minimum	31	21	19	26	35	33	41	34	30	41	38	31	44	45	39	47	52	39	35	35	36	35	33	49	29	28	27	27	29	34	49	33.5
Princeton	Maximum	60	32	37	53	57	57	50	49	60	64	55	60	73	61	71	71	73	65	50	64	55	55	69	63	51	45	46	48	50	48	63	56.6
	Minimum	32	20	20	23	35	30	46	30	27	34	35	30	40	47	40	45	52	41	36	33	38	35	31	51	29	27	26	25	26	28	35	33.5
Russellville§§	Maximum	57	29	34	52	60	55	49	55	59	67	56	59	72	61	72	69	70	64	51	64	57	54	63	57	40	44	49	51	56	54	61	56.2
	Minimum	..	..	..	..	..	29	46	34	25	36	36	31	35	47	38	42	60	45	34	31	35	34	31	42	39	25	27	24	25	25	29	35.2
Central Division.																																	
Anchorage	Maximum	50	40	28	37	57	62	58	42	56	65	..	..	72	56	66	71	78	66	57	61	51	46	65	56	50	39	40	48	54	46	64	54.3
	Minimum	30	19	17	19	29	26	38	30	22	39	..	..	31	36	33	35	49	38	34	27	34	28	28	59	54	40	46	51	55	50	65	29.3
Bardstown	Maximum	60	54	30	50	60	62	56	47	58	67	63	56	72	68	68	72	74	67	50	63	60	56	69	61	62	48	49	50	56	55	67	57.6
	Minimum	33	21	15	22	33	28	40	33	24	32	34	31	43	40	35	38	53	39	34	27	35	29	27	49	28	24	28	22	23	24	25	32.1
Bowling Green	Maximum	60	44	35	45	61	57	53	49	58	63	61	63	75	71	71	65	55	65	59	69	55	70	63	53	45	52	52	58	55	64	69	58.9
	Minimum	40	25	19	25	33	31	46	34	35	36	33	38	47	43	44	55	46	37	32	42	34	28	49	34	25	27	36	28	27	29	29	35.1
Dix Dam	Maximum	56	49	28	48	59	60	53	45	56	66	61	61	68	68	67	72	70	64	61	61	59	46	68	64	55	46	47	49	54	50	62	56.7
	Minimum	48	22	17	26	34	30	45	35	30	34	34	33	39	40	34	37	51	36	35	32	36	30	29	46	32	26	30	27	29	27	34	34.0
Eubank	Maximum	62	55	50	42	58	55	54	52	56	55	58	53	58	62	70	70	74	63	48	44	41	38	26	22	29	46	31	30	23	22	21	25	33	31.3
	Minimum	32	19	12	21	30	29	42	28	24	21	36	29	32	42	43	48	44	41	38	26	22	29	46	41	38	26	22	29	46	41	45	56.1
Frankfort	Maximum	56	44	29	46	57	61	59	45	61	66	64	53	70	70	63	69	71	70	54	60	59	47	63	63	55	38	41	45	54	51	59	56.1
	Minimum	33	22	17	25	31	30	44	33	29	31	38	33	37	38	38	38	50	38	35	31	36	28	29	44	35	25	29	26	27	28	28	33.2
Franklin	Maximum	68	40	36	54	61	54	52	47	61	67	57	62	73	68	75	72	70	58	53	66	58	53	69	61	62	46	48	52	52	57	67	59.0
	Minimum	39	22	19	27	34	33	46	34	27	39	38	33	40	48	40	46	47	45	36	34	43	36	26	50	69	61	54	42	42	50	55	58.4
Greensburg	Maximum	58	41	32	30	60	57	54	46	57	57	57	58	67	67	43	39	37	52	50	35	27	35	31	27	48	31	25	29	23	28	26	54.2
	Minimum	40	21	18	24	26	28	44	35	25	29	37	32	37	46	37	43	56	40	34	33	35	31	27	48	65	61	53	39	42	48	53	39.6
Irvington	Maximum	58	31	30	48	56	60	52	45	56	64	53	56	70	59	64	70	71	64	49	61	54	48	65	61	53	39	42	48	53	50	64	54.6
	Minimum	36	21	18	24	36	31	48	33	28	38	37	33	43	49	36	45	54	40	34	33	35	31	29	45	66	65	55	40	47	50	65	39.4
Junction City	Maximum	56	34	29	46	57	61	59	45	61	66	58	56	72	68	66	72	71	68	62	61	55	47	66	65	55	40	47	50	54	50	63	57.5
	Minimum	33	20	19	27	38	34	40	34	32	39	34	34	38	40	48	40	46	47	45	36	34	28	23	42	32	23	27	28	21	23	22	30.8
Louisville	Maximum	63	54	30	49	59	59	54	44	58	66	58	56	72	66	69	73	73	66	50	61	55	47	52	83	58	44	45	48	52	52	57	57	68	59.0
	Minimum	40	30	15	25	25	26	42	33	27	27	34	32	41	39	33	35	47	52	33	25	34	28	23	49	62	56	48	44	49	54	50	64	55.5
Junction City	Maximum	63	62	30	48	58	57	52	44	57	64	55	56	72	66	74	67	70	72	65	49	62	56	48	64	60	53	41	44	49	54	50	64	55.5
	Minimum	40	20	15	25	25	26	42	33	27	27	34	32	41	39	33	35	47	52	33	25	34	28	23	42	32	23	27	28	21	23	22	30.8
Leitchfield	Maximum	63	62	30	48	58	57	52	44	57	64	55	56	72	66	74	67	70	72	65	49	62	56	48	64	60	53	41	44	49	54	50	64	55.5
	Minimum	32	19	16	25	32	31	43	33	27	37	36	32	40	42	38	44	54	41	35	32	33	30	31	29	50	28	24	27	25	26	26	34.9
Lexington	Maximum	54	28	26	43	55	58	50	38	51	63	49	50	67	47	61	67	67	61	45	56	46	42	63	60	50	46	48	49	54	52	65	52.7
	Minimum	28	16	18	23	32	36	35	32	27	37	31	31	41	33	34	46	58	35	31	32	31	25	28	46	22	21	26	26	30	29	33	34.1
Louisville	Maximum	54	30	29	46	58	60	49	43	55	64	51	54	71	59	64	68	71	63	49	61	51	46	64	57	50	39	38	47	50	45	60	52.7
	Minimum	36	20	19	27	38	34	40	34	32	39	34	34	43	38	38	35	44	57	37	33	36	35	29	31	50	25	25	29	28	32	31	33	34.1
Do (Cherokee Park)	Maximum	56	39	29	45	54	60	58	42	56	63	55	56	71	70	63	69	71	71	49	61	61	46	66	66	55	33	39	46	52	49	62	56.7
	Minimum	37	20	19	27	38	34	40	34	32	39	34	34	43	38	38	35	44	57	37	33	36	35	29	31	50	25	25	29	28	32	31	33	34.1
St. John	Maximum	56	40	31	39	59	57	52	54	58	64	55	58	71	62	67	69	71	70	65	61	56	53	68	65	55	42	43	50	54	52	65	57.2
	Minimum	37	20	12	28	35	27	40	32	24	30	34	33	37	39	34	33	48	33	31	28	32	30	29	49	31	29	28	28	27	24	25	31.1
Scott	Maximum	58	37	26	43	54	62	55	40	56	63	53	58	71	62	67	69	71	70	65	61	56	53	68	65	55	42	43	48	53	52	65	57.1
	Minimum	35	19	13	20	38	32	46	33	26	36	34	32	43	31	29	34	52	40	31	31	32	32	25	48	33	22	26	25	27	24	25	32.1
Shelbyville	Maximum	52	38	28	47	57	61	55	42	56	64	57	55	70	62	67	69	73	66	50	60	48	45	65	56	51	40	42	47	53	48	66	54.1
	Minimum	35	19	16	20	28	39	36	30	24	31	32	28	34	32	29	37	47	43	30	35	31	24	26	46	64	59	54	40	42	47	55	48	66	54.5
Taylorsville	Maximum	54	30	29	46	58	60	48	44	55	65	59	54	70	62	68	69	71	60	48	58	56	46	64	59	54	40	42	47	53	48	66	54.5
	Minimum	33	20	19	27	38	34	41	34	26	29	41	32	35	38	33	37	48	38	33	28	28	29	28	43	30	24	27	23	22	23	22	32.4
Williamstown	Maximum	55	40	29	46	55	62	56	47	56	65	55	54	70	50	66	73	73	66	50	61	56	46	65	59	53	34	37	49	52	52	62	56.2
	Minimum	36	19	11	20	31	28	39	32	24	35	33	29	39	39	30	28	43	52	44	31	30	33	22	24	42	30	21	24	23	27	23	26	30.0
Eastern Division.																																	
Ashland	Maximum	52	64	26	32	44	58	62	62	42	54	64	46	52	72	48	62	74	72	64	48	60	48	60	48	60	48	52	55	60	48	54	53.3
	Minimum	32	26	12	14	26	34	34	32	32	32	36	34	34	32	32	36	51	34	30	34	24	24	30	42	21	26	28	26	28	26	30	30.5
Beattyville	Maximum	68	32	29	47	60	60	56	45	57	67	60	59	73	67	73	73	73	65	61	58	62	47	49	67	70	57	39	47	49	55	50	60	55.9
	Minimum	32	20	14	24	23	27	45	34	27	25	34	33	36	40	35	38	53	38	33	28	33	28	22	34	32	28	28	27	30	32	25	32	30.4
Berea	Maximum	62	47	28	46	57	60	54	43	54	67	60	58	71	66	72	72	74	64	61	61	59	46	65	60	53	42	44	48	52	50	62	56.2
	Minimum	47	20	14	24	25	36	44	34	28	37	34	31	43	41	38	41	52	37	33	30	33	30	23	36	31	30	23	26	28	26	25	30.1
Dorton	Maximum	71	52	34	38	58	60	58	50	60	66	56	59	72	65	75	75	75	65	64	60	60	57	50	67	70	65	40	47	54	57	56	60	59.6
	Minimum	24	15	19	19	22	28	46	34	30	27	35	30	37	43	36	37	51	36	35	33	35	30	27	36	30	27	23	26	28	26	25	29.8
Farmers	Maximum	63	59	19	46	59	64	61	54	54	67	64	59	71	71	68	72	72	64	61	61	59	46	65	70	62	44	42	49	57	55	60	59.4
	Minimum	40	21	15	24	21	27	45	38	28	25	37	34	29	36	34	30	43	52	33	23	34	26	25	55	33	25	29	21	21	25	20	29.8
Harlan§§	Maximum	70	28	33	48	57	57	59	41	56	65	53	56	74	68	72	74	74	62	68	41	61	67	57	70	60	52	40	50	52	55	55	62	56.9
	Minimum	41	24	14	16	22	28	30	35	33	28	30	29	32	42	32	37	42	36	32	32	32	32	24	42	64	66	56	41	39	50	54	50	59	57.0
Maysville	Maximum	55	53	30	46	58	64	58	49	54	65	63	58	72	67	65	74	74	64	63	60	57	42	64	66	56	41	39	45	52	47	64	54	61.7
	Minimum	41	22	15	25	31	29	44	35	29	31	38	34	36	36	34	32	44	54	32	29	35	26	26	39	37	24	25	25	25	27	24	25	32.0
Middlesboro	Maximum	..	64	49	46	55	58	63	55	58	63	62	57	68	..	68	70	68	61	60	58	66	57	65	65	46	28	36	43	47	47	60	54.7
	Minimum	..	31	29	26	20	28	46	36	33	27	39	34	28	..	38	34	48	53	35	27	30	37	25	36	25	23	23	23	23	23	21	28.7
Mount Sterling	Maximum	55	48	36	40	58	61	55	39	53	63	52	53	67	71	65	74	74	64	61	60	56	50	70	64	45	39	44	50	54	50	63	56.9
	Minimum	32	22	9	19	27	28	35	31	32	30	32	29	35	38	31	33	46	39	32	29	33	26	23	46	26	23	25	26	26	21	23	30.0
Quicksand	Maximum	68	45	30	46	59	61	56	51	58	66	58	58	71	68	72	74	74	64	61	60	56	50	70	64	45	39	44	50	54	50	63	56.9
	Minimum	37	21	15	24	21	26	45	35	33	25	36	33	39	39	33	39	44	32	32	44	33	25	36	28	22	31	35	24	24	24	23	30.1
Richmond	Maximum	61	56	28	47	59	62	55	46	55	67	61	54	71	68	68	71	70	66	61	61	59	56	68	66	66	69	66	63	41	50	51	57	54	61	56.9
	Minimum	47	21	15	23	34	35	46	35	28	37	35	32	41	40	46	42	54	55	34	32	34	29	28	45	29	44	43	24	30	26	24	25	21	30.5
Williamsburg	Maximum	70	70	54	56	61	55	60	56	58	68	63	56	75	64	72	73	63	62	62	63	66	66	69	66	63	41	50	51	57	54	64	61.8
	Minimum	40	20	19	25	24	28	45	34	22	23	31	31	36	38	35	37	45	34	32	33	24	43	34	24	30	26	24	25	28	27	30	30.0

§§ Instruments are read in the morning. The maximum temperature then read is charged to the preceding day, on which it almost always occurs.

.. and ... indicate respectively 1, 2, 3 etc. days missing from report.

W. B. O. Louisville 4-29-30-1000.

551.63
UNKE

THE LIBRARY OF THE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXV LOUISVILLE, KY., APRIL, 1930 No. 4

GENERAL SUMMARY.

The dry weather that began in the month preceding continued through April, resulting in well defined drought conditions toward the close. Abnormal warmth and sunshine during the first half fostered the advance of vegetation, and also caused rapid drying of the soil. Plowing and soil preparation continued to make rapid strides and reached a stage far in advance of the season. About the middle of the month most land became too dry to be plowed or conditioned, and during the last week activities of this character were quite generally suspended. Planting of corn and cotton commenced in the warm weather of the first half, but was almost discontinued in the last week because of insufficient moisture and low temperature. At the end of the month some farmers were still planting slowly, but many were awaiting rain. Land that had been turned but not fully conditioned could not be worked. Tobacco plants came up near the first and the sunshine and warmth were favorable to growth. The dry weather, however, soon brought acute need for moisture, which had to be artificially supplied to keep the plants from perishing. They made irregular progress, depending largely on the care that they received, and made satisfactory growth only where thoroughly watered. The premature summer-like conditions caused pastures to develop quickly in the first half to good grazing condition, but they nearly ceased to grow and became rather short late in the month. Rye furnished more pasturage than usual, but also showed the effect of the drought. Winter grains made satisfactory growth until about the middle of the month, after which they began to show the effects of moisture deficiency in color and irregular size of plants. In most cases oats came up, but had made no growth of consequence by the close of the month. Dry weather also injuriously affected young clover. Severe frosts on the 24th, 25th, and 26th, with ice, froze potato tops and caused considerable damage to fruit, especially strawberries and grapes. Other fruits were injured to an unknown extent. The dryness of soil and air probably prevented greater damage.

TEMPERATURE.

Reports from 44 stations gave an average temperature for the state of 56.9°, an excess of 2.9°. In the period 10-17th daily means ranged from 10° to 20° above normal and maxima of 90° were reported from several stations. Sharp temperature deficiencies occurred in the period 22d-26th, when minima ranged from 21° to 32° at most stations. The extremes were 4° on the 11th at Williamstown and 21° on the 24th at Farmers.

PRECIPITATION.

The average precipitation, based on the records of 84 stations, was 1.31 inches, which is less than one-third of the normal amount and the second lowest on record for this month. Moderate to heavy rain in the period 1st-2d, was the only precipitation of much consequence in most districts. Light to moderate showers occurred on the 6-7th and 28-30th, and light scattered showers from the 14th to 23d. In the lower Licking valley monthly amounts ranged from 2.0 to 3.0 inches, otherwise the totals were from 1.0 to 2.0 inches in most of the State. There was a specially dry district extending from the lower Green River Valley to the central bluegrass region which received less than 1.0 inch. The range for the state was between .34 inch at Irvington and 2.77 inches at Scott. The month was remarkably free from hail. Thunderstorms were reported on the 2d, 3d, 13th, 14th, 16th, 17th, 28th, and 29th.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure (at mean station level) Average	Highest	Date	Lowest	Date	Wind Total movement	Ave. hourly velocity	Max. Velocity* Miles per hour	Direction	Date
Cairo ..... Ill.	30.04	30.36	9	29.76	23	5858	7.8	36	sw	1
Cincinnati ..... Ohio	30.35	30.42	9	29.88	17	4994	6.8	36	s	1
Evansville ..... Ind.	30.05	30.36	9	29.64	17	5567	8.1	36	s	15
Lexington ..... Ky.	30.08	30.49	9	29.74	17	3947	12.0	47	nw	22
Louisville ..... Ky.	30.07	30.45	9	29.74	17	7017	9.7	36	nw	7

*For any five minute period. †By Aerograph anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 30 per cent or less.
Cairo ..... Ill.	66	46	46	288.2	394.8	73	14	3
Cincinnati ..... Ohio.	70	42	48	289.1	397.4	73	15	5
Evansville ..... Ind.	65	43	43	268.2	393.1	68	13	2
Lexington ..... Ky.	64	41	..	264.5	396.1	67	12	1
Louisville ..... Ky.	66	38	43	288.6	396.1	73	19	6

COMPARATIVE DATA FOR APRIL.

Year	Temperature. Monthly average	Departure from 40-year normal	Highest.	Lowest.	Precipitation. Monthly average	Departure from 40 year normal	No. of days with .01 in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall
1889...	57.0	− 1.0	89	34	1.61	−2.42	..	..	..	..	....
1890...	57.9	+ 1.0	92	28	4.04	+0.01	..	..	..	..	....
1891...	58.6	+ 2.0	92	24	2.52	−1.51	..	..	..	..	....
1892...	56.0	0.0	88	32	7.12	+3.09	..	..	..	..	....
1893...	58.0	+ 2.0	94	21	6.59	+2.96	..	..	..	..	....
1894...	56.0	0.0	94	32	3.54	−0.49	..	..	..	..	....
1895...	57.2	+ 1.2	94	32	3.18	−0.85	9	13	8	9	....
1896...	53.6	− 2.6	86	24	1.65	−2.38	6	13	12	5	....
1897...	56.5	− 0.5	90	25	6.03	+2.00	11	14	..	10	T
1898...	52.4	− 3.6	86	19	3.38	−0.65	9	12	8	10	1.1
1899...	57.2	+ 1.2	88	20	3.16	−0.87	8	13	8	9	0.2
1900...	56.2	+ 0.2	90	18	2.15	−1.88	8	14	5	11	T
1901...	50.9	− 5.1	91	23	4.01	−0.02	10	11	5	14	2.6
1902...	54.2	− 1.8	83	22	2.05	−1.58	9	14	9	7	0.1
1903...	53.1	− 0.6	88	22	4.43	+0.33	12	10	7	13	T
1904...	50.8	− 5.2	85	15	2.83	−1.20	11	10	7	13	T
1905...	56.7	+ 0.7	91	23	3.00	−1.03	9	12	7	10	0.2
1906...	59.5	+ 3.5	93	23	1.40	−2.63	8	17	7	6	0.6
1907...	54.2	− 1.8	87	19	2.73	−1.25	11	10	5	15	0.2
1908...	59.8	+ 3.8	94	23	6.56	+2.53	14	12	6	12	0.8
1909...	56.1	− 0.1	96	21	3.98	+0.95	10	14	7	9	T
1910...	56.0	− 0.6	93	28	5.14	+2.11	14	12	6	12	0.7
1911...	53.8	− 2.2	90	20	1.96	−1.03	11	11	5	14	T
1912...	53.4	− 2.4	87	25	2.50	−1.87	12	11	7	13	..
1913...	59.3	+ 0.7	89	25	3.73	−0.90	10	14	6	11	..
1914...	55.7	− 0.7	93	28	2.52	−2.17	10	11	7	12	..
1915...	60.1	+ 4.1	95	17	5.65	+2.07	6	17	8	5	0.9
1916...	54.0	− 2.0	93	28	2.64	−1.03	9	11	8	11	1.4
1917...	55.8	− 0.2	93	32	5.02	+1.39	8	14	7	9	0.2
1918...	56.9	+ 0.9	87	25	4.07	+1.04	12	8	8	14	0.3
1919...	56.7	+ 0.7	89	19	3.51	+0.50	10	13	7	10	0.6
1920...	50.8	− 5.2	84	22	6.16	+2.13	13	9	8	13	0.2
1921...	58.2	+ 2.2	91	28	3.08	−0.95	10	17	7	7	T
1922...	59.5	+ 3.5	88	35	4.55	+0.22	13	14	7	8	0.4
1923...	54.8	− 1.2	90	33	4.58	+0.25	9	15	6	9	0.4
1924...	57.4	− 1.4	93	29	5.47	+1.14	13	11	9	10	T
1925...	59.2	+ 3.2	97	33	3.26	−1.07	10	14	7	9	0.1
1926...	51.6	− 4.4	87	16	3.17	−1.16	9	11	7	12	0.4
1927...	55.7	− 0.7	92	32	6.33	+1.96	15	10	7	13	T
1928...	52.6	− 3.1	85	21	4.28	+0.17	11	11	9	10	0.6
1929...	56.1	− 0.1	90	28	3.37	−0.46	10	14	8	8	T
1930...	56.9	+ 2.9	94	21	1.31	−2.72	6	17	7	6	0

Climatological Data for April, 1930.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	26	59.8 + 3.4		91	11	29	25†	44	1.68	−2.44	0.73	0	3	22	4	4	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	26	60.9 + 2.5		90	12	34	25	36	1.60	−2.99	0.55	0	5	10	17	3	sw.	W. A. Taylor.
Dawson	Hopkins	420	40	60.9 + 3.6		90	11	30	25	40	1.91	−2.45	1.00	0	6	16	11	3	sw.	Brick Southworth.
Earlington		356									1.82		0.78	0	7					P. H. McGinnis.
Fords Ferry, Dam 50	Crittenden	519	13	*59.3 + 1.9		88*	11	29*	24†	49*	1.64	−3.23	0.73	0	6	15*	12*	2*	s.	C. R. Lovell.
Greenville	Muhlenburg	524	34	61.5 + 4.2		91	11	33	8†	37	1.65	−2.75	0.61	0	4	13	4	13	se.	W. E. Graves.
Hopkinsville	Christian		1	61.0		89	11	33	24	39	1.10		0.43	0	8	12	13	5	sw.	H. Sallee.
Lovelaceville	Ballard	671	32	62.0 + 4.4		87	11	34	25	31	1.85	−2.98	0.55	0	4	13	8	4	nw.	B. C. Paris.
Marion	Crittenden	364	21	*61.6 + 3.7		85*	11†	32*	25	35*	1.65	−2.85	1.10	0	2	20	5	5	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	412	4	59.2		87	11	30	8†	47	1.61		1.03	0	8	11	12	7	s.	Harry B. Arnold
Murray	Calloway	479	33	58.3 + 2.8		89	11	31	24	38	0.89	−3.17	0.44	0	4	15	5	10	s.	Henry S. Berry.
Owensboro	Daviess	404	2								0.88		0.40	0	6					George McClemary.
Owensboro, Dam 46	Daviess	516	13	61.1 + 2.9		87	11	33	24†	37	1.85	−3.71	0.90	0	4	17	8	5	sw.	J. W. Lilley
Paducah (near)	McCracken	341	41								0.95	−3.66	0.40	0	5					Frank L. Brown.
Paducal	McCracken	629	23	60.0 + 1.9		88	11	32	24	40	1.60	−2.40	0.55	0	7	13	14	3	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	13								1.65	−2.67	0.84	0	4					Thos. L. Wetzell.
Ramsey, Lock 2	McLean	590	19	*59.0 + 1.0		88*	11	28*	25	42*	1.21	−3.62	0.58	0	5	18*	4*	7*	s.	Wm. Shelton.
Russellville	Logan	357	2								0.86		0.37	0	9					H. R. Sale
Uniontown, Dam 49	Union																			
Central Division.											0.46		0.18	0	5					C. L. Moore.
Addison, Dam 45	Breckinridge	852	2								0.96	−2.97	0.72	0	3	20*	4*	5*	se.	C. E. Barret.
Anchorage	Jefferson	700	29	*57.5 + 3.6		89*	11†	26*	8†	48*	1.44	−2.54	0.50	0	9	15	10	5	s.	Mrs. Emily T. Sisco.
Bardstown	Nelson	687	33	59.6 + 4.0		91	11	26	25	45	1.12	−3.33	0.50	0	5	14	15	4	s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	500	41	61.8 + 3.5		92	11	33	9†	37	1.02		0.35	0	6					Jas. R. Hines.
Bowling Green, No. 2	Warren	459	5								1.66	−3.42	0.53	0	6					Virgil M. Whalin.
Brownsville, Lock 6*	Edmonson	410	18								0.96	−3.18	0.30	0	5					T. A. Lewis
Burnside	Pulaski	773	38								1.65	−2.01	0.96	0	6					Shelby Angel.
Carrollton, Lock 1	Carroll	422	31								2.09		1.12	0	10					Bert Ross.
Cold Spring, Dam 86	Campbell	489	4								0.81		0.40	0	4	14	15	1	sw.	G. D. Glass.
Dix Dam, Burgin	Mercer	770	4	59.3		88	11	29	25	43	1.03	−2.87	0.30	0	4	13	8	9	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	36	57.6 + 3.3		88	29	25	24	48	0.92	−2.94	0.58	0	5	18	5	7	w.	Sidney Wood.
Frankfort	Franklin	560	38	59.2 + 3.4		88	11	30	9†	44	0.75	−3.63	0.40	0	3	22	7	1	n.	M. E. Johnson.
Franklin	Simpson	691	35	62.0 + 2.8		91	11	32	25	43	1.23	−2.72	0.73	0	9					Albert Purvis.
Gest, Lock 8	Henry	410	19								1.55		0.90	0	9					W. T. Dugan.
Grant, Dam 38	Boone	449	19								1.65		0.90	0	9					Mrs. Bettie K. H. Alcorn.
Greensburg	Green	780	9								1.31	−2.62	0.68	0	8	6	1	23	s.	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	550	28								0.96	−2.80	0.41	0	4					W. J. Piggott.
Irvington	Breckinridge	646	32	59.8 + 3.9		88	11	31	24†	38	0.34	−3.74	0.15	0	4	14	12	4	sw.	Caroline Grubbs.
Junction City	Boyle	985	36	57.8 + 2.9		88	11	24	24	47	1.26	−2.68	0.51	0	5	17	11	2	sw.	L. J. Vanbook.
Lancaster	Garrard	1032	4								1.24		0.55	0	6					H. H. Willis.
Leitchfield	Grayson	635	34	59.4 + 3.8		90	11	30	25	36	1.27	−3.11	0.42	0	6	13	14	3	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	46	57.6 + 3.3		85	11	32	25	27	0.81	−2.69	0.29	0	11	15	13	2	s.	Horace Canter.
Little Beckmann, Lock 8¶	Jessamine	523	19								0.68	−2.91	0.18	0	4					Andrew J. Keenan.
Lockport, Lock 2	Henry	476	20								0.78	−3.34	0.78	0	1					U. S. Weather Bureau.
Louisville	Jefferson	525	57	59.5 + 3.1		89	11	36	25	35	0.64	−3.24	0.48	0	8	11	14	5	sw.	Wm. I. Hunt.
Do. (Cherokee Park)	Do.	554	29	58.8 + 2.6		90	11†	31	24	39	0.60	−3.84	0.46	0	5	15	10	5	nw.	A. G. Hubbard.
Munfordville	Hart	600	5								2.12		0.70	0	6					Sisters of Loretto.
St. John	Hardin	777	35	58.2 + 3.6		90	11	26	24	38	1.62	−3.16	0.80	0	7	23	1	6	s.	Ernest M. Searcy.
Salvisa, Lock 6¶	Mercer	490	16								1.65	−1.76	0.50	0	6					F. B. Wilson.
Scott ¶	Kenton	900	32	56.2 + 3.0		89	11	27	23	37	2.77	−0.77	0.67	0	8	13	9	9	s	Miss Ruth Ratta.
Shelbyville	Shelby	825	41	56.4 + 1.7		89	11	26	25	41	1.00	−2.84	0.22	0	8	15	8	12	se.	E. D. Bourne.
Taylorsville	Spencer	489	28	55.7 + 1.2		89	11	24	9	47	1.56	−2.87	0.85	0	8	18	7	5	sw.	H. K. Vaughn.
Tyrone, Lock 5¶	Anderson	926	12								1.72	−2.72	0.52	0	8					Miss Nettie B. Simpson.
Williamstown	Grant	943	27	58.8 + 6.0		94	11	29	23†	43	1.84	−1.49	1.10	0	9	19	7	4	e.	H. J. Lewis.
Woodbury, Lock 4	Butler	533	13								1.58	−2.96	0.57	0	7					
Eastern Division.																				Curtis Purvis.
Ashland	Boyd	534	13	56.2 + 0.4		90	12†	28	1†	40	1.57	−1.76	0.50	0	9	17	0	13	s.	Robert S. Smallwood.
Bentleyville	Lee	650	26	57.7 + 3.2		89	11†	25	9	52	1.11	−3.04	0.48	0	7	7	7	16	sw.	Chas. C. Graham.
Berea	Madison	1070	25	59.3 + 3.5		87	11	28	25	38	0.88	−2.78	0.34	0	8	17	8	5	w.	Miss Ella Ben
College Hill, Lock 11	Madison	601	20								1.16	−2.16	0.48	0	7					P. H. Rehoe.
Cynthiana	Harrison	684	12								2.55	1.58	0.90	0	9					James Sowards.
Dayton	Pike	660	41	57.0		87	11†	27	9	50	1.52		0.66	0	8	18	8	4		J. V. Oldham.
Falmouth	Pendleton	668	22	56.9 + 2.2		88	11†	21	24	46	2.22	−1.40	1.06	0	10					Mrs. R. F. Stamper.
Farmers	Rowan										1.63	−2.47	0.53	0	4	15	11	4	e.	C. A. Peacock
Flemingsburg	Fleming	841	3								1.75		0.75	0	5					John A. Walters.
Ford, Lock 10¶	Clark	593	14								0.92	−2.58	0.25	0	8					Col. Frank Powers.
Grayson	Carter	589	5								1.27		0.48	0	6					T. Mitchell.
Greenup, Dam 30	Greenup	840	9								1.24	−2.48	0.46	0	10					W. W. Duffield
Harlan	Harlan	1197	2	57.6		88	12	28	1†	51	1.73		0.62	0	7	18	7	5	sw.	Chas O. Ihrig.
Hazard	Perry	869	6								1.05		0.41	0	6					S. C. Cole.
Heidelberg, Lock 14	Lee	664	13								0.52	−2.34	0.22	0	5					R. R Davidson.
Jackson	Breathitt	1586	5								1.39		0.80	0	7					Russian Copley.
Louisa	Lawrence	584	26								1.46	−1.85	0.41	0	6					J. L. Manning.
Lancaster	Clay	524	33	57.6 + 3.5		89	11	26	25	48	1.18	−2.22	0.52	0	8					Perry F. Bennett
Maysville	Mason	1128	34	*59.0 + 2.4		89*	11	29*	1	50*	1.64	−1.90	0.78	0	11	13	7	10	s.	Matthew Woodson.
Middlesboro	Bell	990	40	55.8 + 2.0		87	15	23	25	44	0.97	−3.73	0.48	0	4	13	17	0	s.	W. R. McKee.
Mount Sterling	Montgomery	997	8								1.32	−2.77	0.41	0	7	16	7	7	w.	Andrew M. Stamforth.
Oneonta, Dam 35	Campbell	636	24								2.26		1.05	0	10					Robert Repass.
Pikeville	Pike	640	5								0.96	−2.62	0.28	0	5					P. C. Hell.
Prestonsburg	Floyd	732	5	*58.0		92*	17	24*	9	54*	1.33		0.80	0	6					R. W. Jones.
Quicksand	Breathitt	681	12								0.86		0.40	0	4					Walter P. Bush.
Pleasureville, Lock 12	Estill	926	89	59.7 + 8.8		90	12	30	24†	40	0.95	−2.14	0.57	0	4					I. W. Crooke.
Richmond	Madison	841	17								1.58	−2.08	0.62	0	7	19	5	3		Thos. Sullivan.
Valley View, Lock 9	Madison	525	15								0.64	−3.21	0.20	0	6					H. M. Ivanna.
Vanceburg, Dam 32	Lewis	1142	5								1.91	−1.73	1.02	0	7					G. H. Zimmerman.
Whitesburg	Letcher	959	33	58.8 + 2.3		90	11	26	9†	49	0.85		0.21	0	9					Lawrence R. Uhl.
Williamsburg	Whitley	911	11								1.09	−3.19	0.49	0	4	26	3	1		Jessie Hicks
Wilgus, Lock 13	Lee			58.9	2.9	94	11	21	24	54	1.31	−2.72	1.12	0	6	16	8	6	s.	

*Incomplete averages and departures.

All temperature data are taken from self-registering thermometers.

All precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ; Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. T Precipitation is less than 0.01 inch rain or melted snow. ‡ Lone Oak.

* Also on other dates. †† Received too late to be included in means and summaries. § Precipitation is less than 0.01 inch rain or melted snow

¶ Post-office addresses: —Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

Floods.—Streams rose to flood stage during the month, reaching low spring stages.

Daily Precipitation for April, 1930.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	T
Western Division																																
awer Dam G		.45	.50															.73														
lhoun G		.27	.55											T.		T.	.19	.55		.04		T					T	T				
rrington G		.58	1.00			.02												.27			.05		.02				T					
rds Ferry, Dam 50 O		.40	.48			.03								T.	T.	T.		.78			.07		.04				T	.1	.02			
nsville M		.60	.71		T.									T.			.10	.16		.03	.02						T	T				
pkinsville C		.59	.31															.61		T	.14											
ncennes M		.40	.17			.01								.01		T.	.43			.05	.01		.02				T					
rton O		.80	.55		T.												.50			.30											
field M		1.10																				.55										
rray B		1.03																														
nsboro O	T.	.18	.14											T.		T.	.43			.13		T					T					
nsboro, Dam 46 O		.16	.14			T.									.06	T.	.01	.40		.11								T				
ducah (near) ¶ O		.62	.82														.90			.01												
ducah O		.40	.27			T.											T.	.15			.07		.06	T								
nceton O	T.	.48	.55		.10									T.	T.	T.	.36			.05		T	.02				T	T	T	.04		
ner, Lock No. 2 G		.27	.48												T.			.84			.06											
sellville G	.53	.25														.06		.80			.07											
ntown, Dam 49 O		.16	.14			.02										.03	T.	.02	.37		.07						T	.03	.02			
Central Division																																
dison, Dam 45 O		.09	.02															.16			.08								.09			
chorage O		.72												.11			T											.12	T			
rdstown S		.14	.50			.04									.20		.28	.04			.08								.10	.06		
wling Green G		.5	.28												T.			.28			.02								.04			
wling Green, No. 2 G		.35	.29			.02												.32			.02											
wnsville, Lock No. 6 G		.53	.56												.32			.22			.06								.03			
rnside		.50	.25	.15		.20								T.															.06	T.		
rrollton (Lock No. 1) K		.96												.10	.21						.13								.10	.15		
ld Spring, Dam 36 O		1.12	.18			.10	.02							.10		T.	.18	.04			.08							.02	.25	T.		
x Dam, Surgm K	.20	.40															.16			.05												
bank G		.28	.25			.20												.80														
nkfort K		.58				.15								T.	.11	T.	T.	T.			.04								.04	T		
nklin G			.40															.25											.10			
t, Lock No. 3 K		.73	.04			.07	T.							T.	.04	T.	.02	.10			.07									.11	.05		
nt, Dam 33 O		.99	.05			T.	.02							.26	T.	T.	.03	T.			.15							.04	.04	.06		
nesburg G		.32	.68			.12									.03		.01	.02					T.						.06	.07		
gh Bridge, Lock No. 7 K		.20	.30	T.		.41												.05														
rington O	T.	.08	T.											T.			.04	.07		T.	T.	T.						.15	T.	T.		
nton City K		.32	.51			.24												.17			.02								T.			
nchester K		.16	.55	.06		.12												.31			.04											
rfield G		.32	.42											T.		.15	T.	.15		T.	.03	T.						.20				
xington *** K	.23	.06	.03		.10	.11	T.						T.	T.	T.	.01	.06	T.		.01	.01	T.					T.	.02	.18	T.		
ile Blackman, Lock No. 8 K		.15	.18			.18												.17			T.											
ckport, Lock No. 2 K	.75				T.								T.	T.						T.	T.						T.					
isville *** O	.43	.05	T.										T.				.03	.06		.02		T					T.	.01	.02	.02		
o, (Cherokee Park) O		.36														T.	T.	.05			.02	T.					T.	.03		.04		
nderville G		.40	.51												.11			.08											.76	.32		
John S		.20	.30			T.									T.		.02	.35			.07								.07	.15		
visa, Lock No 6 K		.33	.15			.46								.12	T.		.10	.51			T.											
tt L	.55	.72	.21			T.	T.						.67	T.		.06		.05			.13						T.	.48	T.			
ghville S		.22	.01			T.								.19	.06	T.	T.	.01			.14	T.							.22	.15		
lorsville S	T.	.14				.01								.85		.10	T.					T.					T.	.25		.15		
rone, Lock No. 5 K	.33	.02			.46									.52	T.	.04				.28							.08		.04			
lliamstown L		1.10	.05			.19	.01							.12	.09			.02											.22	.03		
odsbury, Lock No. 4 G		.55	.57												.05		.08	.24			.06		.02					T.			
Eastern Division																																
hland O		.56	.06	.04		.21	.06	T.										.11	.08		.01								.40			
ttsville K		.18	.15	T.		.12	T.											.61										.03	.15	.48		
ss K		.23	.34			.08												.15			.02							.01	.03	.02		
ece Hill, Lock No. 11 K		.10	.48	.05		.08												.15										T.	.20	.10		
thiana L		.90	.02			.20	T.							.10	.18				.86		.04							.05	.20			
rton B		.19	.60			.28	.05									.08		.23			.02	T.						.12				
mouth L		1.06	.06			.23	.02							.06	.02	T.	T.	.15			.09								.51	.02		
mers		.40					.55																					.40	.21			
nningsburg L	.75	.12				.46								.11			.12											.25				
d, Lock No. 10 K		.21	.25	.03		.18	T.								T.		T.	.16			.05		T.					T.	.08	.01		
yson O		.46	.04		.29	.05								.01															.39			
ersap, Dam 30 O		.45	.12			.18	.15	.10										.02			.01							.01	.18	.02		
rhan C		.23	.62			.28	.03	.04														.03							T.	.55		
zard K		.09	.12	.41		.20									.03				T.		T.		T						.16			
delberg, Lock No. 14 K			.22	.05	.13																							.04	.05			
kins K		.16	.08	.50		.27											.05	.19											.10			
nchester K		.20	.05	.07			.41								.38														.35			
nchester K		.18	.32	.28		.14	.03											.08	.07										.04			
rsville O		.78	.02			.22	.02							.02	.03		.01	.17			.05							T.	.24	.02		
ddlesboro C		.35	.48			.10																							.04			
unt Sterling L		.41	.03			.21	T.								T.			.35			.03							.25	.08		
onia, Dam 35 O		1.05	.10			.10	.01							.18	T.	T.	.13	.15			.10							T.	.44	.03		
ville B		T.	.28	.12		.28	T.														T.								.18	.16		
tonsburg B		.33	.31	.15		.16	.10																						.25			
ckaand K		.24	.18	.04																									.40			
nus, Lock No. 12 K		.18	.37	T.		.12	T								T.		T.	T.			T.							T.	.08			
mond K		.16	.43	.05		.10												.20										T.	.02	.02		
ley View, Lock No. 9 K	.20	.01	T.	.12													.20	T.			.10				.01							
nceburg, Dam No. 32 O	1.02	.10				.32	.04											.11			.04								.28			
tesburg K		.10	.17	.06		.21	.10							.11				.03			.02								.05			
lamsburg C		.49	.20	.30										T.															.10			
low, Lock No. 13 K			.10	.25															.10										.20			

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi

¶Lone Oak.

Daily Temperatures for April, 1930.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.	Maximum	71	66	63	67	67	70	61	63	74	75	91	90	87	85	85	81	81	74	70	73	63	63	64	63	63	66	78	86	89	88	..	73.7
Beaver Dam	Minimum	43	39	40	32	37	44	49	30	30	43	52	52	50	52	51	62	62	55	39	41	49	40	42	30	29	29	39	60	58	63	..	44.9
	Maximum	68	64	63	67	63	69	66	61	72	86	89	90	85	80	81	81	77	70	69	64	61	62	60	61	66	76	84	85	81	..	..	72 3
Calhoun	Minimum	49	39	50	36	41	51	51	37	36	52	59	59	56	52	50	52	52	45	44	43	43	43	43	32	30	45	44	61	59	64	..	49.6
	Maximum	66	64	61	65	62	69	66	59	73	86	90	87	86	82	83	83	79	72	72	70	64	62	64	60	61	69	78	86	87	83	..	72.9
Carlington	Minimum	48	40	50	36	40	50	52	32	33	51	61	61	60	57	57	67	67	64	51	38	45	39	69	64	62	64	60	60	66	78	83	85	81	..
	Maximum	66	65	60	65	65	...	68	59	71	84	88	86	83	78	81	81	77	73	69	69	64	62	64	60	60	66	78	83	85	81	..	74.2
Greenville	Minimum	47	40	48	34	42	...	47	34	31	47	56	56	55	56	55	62	63	53	38	42	47	41	41	29	29	39	41	56	54	65	..	48.5
	Maximum	68	61	62	65	67	71	65	64	74	87	91	89	88	79	85	84	77	73	74	70	69	68	64	64	64	65	79	86	86	84	..	73.9
Hopkinsville	Minimum	46	42	52	39	46	50	46	38	37	49	54	52	51	53	57	64	64	51	40	51	49	43	43	33	34	45	46	59	58	60	..	48.1
	Maximum	68	60	69	67	72	68	65	67	76	87	89	88	87	79	84	82	74	69	74	69	49	48	42	43	34	47	49	56	58	60	..	71.5
Lovelaceville	Minimum	85	40	48	41	45	52	51	38	40	47	56	56	55	58	57	63	62	75	70	70	63	61	60	59	59	62	73	81	88	80	..	52.4
	Maximum	66	64	67	66	62	67	68	61	73	84	87	86	83	75	80	80	66	62	54	67	68	46	46	44	35	34	45	71	60	63	65	..
Marion	Minimum	48	37	46	37	44	49	49	37	42	57	60	59	70	60	60	66	62	54	42	47	41	41	69	70	62	64	66	63	78	84	84	81	..
	Maximum	67	63	67	67	68	71	70	66	74	84	85	85	83	81	82	81	81	73	76	...	45	48	42	33	32	48	56	56	59	62	..
Mayfield	Minimum	47	41	49	41	47	51	48	36	41	52	57	55	56	58	59	62	62	70	71	67	69	65	61	64	63	65	80	85	85	80	..
	Maximum	68	66	65	69	71	72	66	63	79	86	87	85	86	79	83	83	76	70	71	67	69	65	61	64	63	65	80	85	85	80	..
Murray	Minimum	41	43	52	40	49	46	43	30	32	40	49	48	47	51	54	62	60	46	37	41	45	42	42	30	30	45	42	51	52	60	..
	Maximum	65	54	62	65	67	65	60	56	70	85	89	87	84	70	87	79	76	69	65	67	58	57	59	54	32	37	44	57	56	63	..
Owensboro	Minimum	43	36	46	37	41	46	48	35	37	47	54	53	54	55	62	67	60	38	55	47	42	41	39	31	32	37	44	57	56	63	..
	Maximum	66	61	68	69	70	71	66	67	75	86	87	84	79	77	80	75	76	70	76	70	69	66	62	62	66	64	87	85	84	79	..
Paducah (near)	Minimum	47	40	48	38	44	50	50	34	35	49	56	57	56	57	58	59	63	61	70	71	69	64	63	62	61	61	66	79	84	85	81	..
	Maximum	69	59	62	65	61	69	60	62	74	86	88	87	85	76	83	83	77	70	71	69	64	63	63	62	59	63	79	86	86	83	..
Princeton	Minimum	47	40	50	39	46	50	46	34	35	46	53	53	53	54	56	64	63	50	38	46	46	45	43	32	30	48	41	55	55	63	..
	Maximum	68	57	60	64	69	68	59	61	72	85	88	87	86	80	82	84	79	73	...	75	64	65	61	62	62	61	73	79	86	83	..
Russellville§§	Minimum	37	42	42	35	41	47	42	31	31	43	59	54	53	55	56	65	61	54	41	...	41	43	42	30	28	41	44	55	55	63	..
Central Division.	Maximum	64	56	65	62	72	75	57	60	68	85	89	89	86	80	83	81	83	75	70	73	...	61	60	57	55	61	64	72	80	85	80	..
Anchorage	Minimum	42	37	45	31	41	46	39	26	26	39	53	51	52	53	54	55	59	51	51	40	...	41	31	27	26	30	35	53	53	55	..
	Maximum	69	66	66	64	74	67	65	60	78	88	91	90	88	85	83	80	85	78	71	80	52	41	38	27	26	28	34	58	54	62	..
Bardstown	Minimum	44	38	48	35	37	47	46	30	28	43	61	54	53	52	55	60	64	57	47	39	52	41	38	27	26	28	34	53	54	62	..
	Maximum	69	65	65	67	66	71	65	65	75	87	92	90	91	85	86	83	82	77	75	73	71	69	67	65	67	71	78	86	88	87	..
Bowling Green	Minimum	41	42	51	37	41	47	48	35	34	46	55	56	56	57	57	63	62	54	43	43	53	44	42	33	33	38	42	58	55	61	..
	Maximum	69	64	64	63	72	67	61	66	69	83	88	87	85	83	83	84	80	84	77	72	77	73	69	60	58	60	64	77	86	87	..
Dix Dam	Minimum	42	37	48	36	35	51	43	32	30	40	53	51	54	55	57	60	62	63	46	42	79	70	60	60	56	60	66	71	83	88	80	..
	Maximum	66	60	60	67	72	64	56	55	73	84	87	87	87	84	84	75	85	81	72	79	70	60	60	56	60	66	71	84	85	81	..
Eubank	Minimum	34	36	46	35	31	34	46	26	27	36	56	56	53	58	54	61	62	60	45	36	52	40	38	25	26	31	34	51	49	60	..
	Maximum	68	66	65	65	73	70	68	68	69	82	88	87	86	83	81	82	80	82	75	66	59	58	55	47	37	30	32	55	54	62	..
Frankfort	Minimum	42	38	47	39	37	52	46	33	30	38	55	49	51	54	54	58	61	57	45	41	45	47	41	26	27	33	51	50	58	..	..
	Maximum	68	66	66	65	73	70	67	63	77	87	91	89	87	81	83	82	81	77	72	72	64	64	63	61	62	66	76	83	84	..	..
Franklin	Minimum	46	41	52	37	43	48	50	36	34	52	61	59	60	61	60	63	62	54	42	44	53	47	42	35	32	42	42	61	55	65	..
	Maximum	69	64	65	65	70	67	62	60	71	83	88	87	86	84	86	84	82	80	74	75	68	64	64	62	64	66	76	83	84	..	..
Greensburg	Minimum	42	40	50	35	35	47	48	36	28	38	51	48	51	51	53	58	59	57	43	38	53	40	40	27	29	33	56	56	59	61	..
	Maximum	68	59	62	66	71	66	62	59	70	83	88	87	84	78	82	82	80	74	66	73	66	62	60	59	60	61	75	82	85	81	..
Irvington	Minimum	47	38	48	37	41	46	49	35	34	50	60	63	59	53	57	66	65	55	43	48	51	43	41	30	30	32	55	54	58	62	..
	Maximum	69	63	64	64	72	74	69	57	69	83	88	87	85	82	82	80	84	79	69	75	67	60	61	58	60	64	75	81	85	82	..
Junction City	Minimum	38	36	45	34	32	40	45	29	26	36	55	55	55	56	54	61	60	43	36	34	41	36	24	25	27	33	51	50	58	..	..
	Maximum	68	63	61	64	65	66	60	60	71	85	90	89	86	79	85	80	83	74	68	72	61	59	60	57	58	60	70	77	84	82	..
Leitchfield	Minimum	45	38	49	37	40	46	49	26	25	49	57	59	56	56	57	61	62	54	41	43	50	43	39	28	30	42	60	60	77	84	..
	Maximum	68	63	61	64	65	66	60	60	71	85	90	89	86	84	85	82	84	78	64	74	64	62	60	59	60	61	75	82	85	81	..
Lexington	Minimum	47	38	48	37	41	46	49	35	34	50	60	63	59	53	57	66	65	55	43	48	51	43	41	30	30	32	55	54	58	62	..
	Maximum	69	63	64	64	72	74	69	57	69	83	88	87	85	82	82	80	84	79	69	75	67	60	61	58	60	64	75	81	85	82	..
Junction City	Minimum	38	36	45	34	32	40	45	29	26	36	55	55	55	56	54	61	60	43	36	34	41	36	24	25	27	33	51	50	58	..	..
	Maximum	68	63	61	64	65	66	60	60	71	85	90	89	86	79	85	80	83	74	68	72	61	59	60	57	58	60	70	77	84	82	..
Leitchfield	Minimum	45	38	49	37	40	46	49	26	25	49	57	59	56	56	57	61	62	54	41	43	50	43	39	28	30	42	60	60	77	84	..
	Maximum	68	63	61	64	65	66	60	60	71	85	90	89	86	84	85	82	84	78	64	74	64	62	60	59	60	61	75	82	85	81	..
Lexington	Minimum	47	38	48	37	41	46	49	35	34	50	60	63	59	53	57	66	65	55	43	48	51	43	41	30	30	32	55	54	58	62	..
	Maximum	69	63	64	64	72	74	69	57	69	83	88	87	85	82	82	80	84	79	69	75	67	60	61	58	60	64	75	81	85	82	..
Louisville	Minimum	39	38	44	38	43	50	46	40	38	49	64	68	64	64	55	57	66	66	50	45	47	49	43	40	36	36	38	43	56	59	..
	Maximum	63	56	65	66	78	68	63	58	69	85	90	90	87	81	82	81	82	80	60	73	70	55	57	56	56	56	64	74	83	82	..
Do (Cherokee Park)	Minimum	44	37	44	34	34	47	45	36	32	42	61	56	54	55	53	62	61	57	42	43	61	45	37	31	30	34	42	60	57	63	..
	Maximum	67	64	65	65	68	67	59	68	77	89	90	89	85	83	83	80	81	78	73	71	62	55	54	51	50	59	64	74	82	86	..
St. John	Minimum	42	36	46	34	39	38	47	34	30	41	57	59	52	50	53	55	61	74	64	70	66	54	52	48	53	60	62	76	77	78	..
	Maximum	61	51	63	59	71	65	56	54	64	81	89	86	84	72	78	76	81	78	63	48	34	51	44	38	21	24	29	30	46	50	55
Scott	Minimum	44	31	41	36	39	52	40	32	29	44	61	64	57	52	51	56	63	54	46	39	62	45	27	32	29	32	36	42	53	61	..
	Maximum	66	50	66	62	72	66	58	57	68	83	89	88	85	81	80	78	81	68	69	74	65	59	61	54	60	63	78	81	85	80	..
Shelbyville	Minimum	37	34	42	34	35	45	41	27	30	42	58	61	60	58	52	57	66	73	69	77	67	51	53	45	49	52	47	56	58	63	..
	Maximum	67	55	65	61	73	64	59	56	66	82	89	87	84	82	80	79	82	74	66	72	68	60	59	59	64	67	76	83	83	83	..
Taylorsville	Minimum	36	37	45	34	34	35	35	23	24	35	50	44	47	50	54	61	62	58	50	45	61	49	45	30	29	33	35	52	52	60	..
	Maximum	66	55	65	66	74	68	68	58	69	85	91	92	88	82	83	80	86	78	69	77	68	60	59	59	60	61	68	76	83	83	..
Williamstown	Minimum	41	34	42	33	34	49	40	30	32	40	60	57	56	51	51	60	59	58	39	42	56	46	29	30	29	33	35	52	52	60	..
	Maximum	68	61	64	64	74	68	68	58	69	85	91	92	88	82	83	80	86	78	69	77	68	60	59	59	60	61	68	76	83	83	..
Eastern Division.	Maximum	58	70	54	64	60	76	64	50	56	64	82	90	90	82	80	80	76	84	82	63	74	72	62	56	56	58	64	78	70	82	..
Ashland	Minimum	28	36	38	36	34	42	42	30	28	34	44	50	50	54	50	56	58	66	48	38	48	50	32	28	28	33	34	44	52	54	..
	Maximum	70	60	61	66	75	66	55	56	71	84	89	89	85	83	85	83	85	85	83	68	73	59	53	58	57	60	69	77	80	85	..
Beattyville	Minimum	28	35	41	34	32	50	45	29	25	32	52	46	50	50	50	54	58	64	80	65	78	66	57	59	55	58	64	74	80	85	..
	Maximum	59	60	61	64	73	66	56	55	67	83	87	88	83	82	84	80	84	84	80	65	75	78	68	58	57	60	62	77	80	81	..
Berea	Minimum	40	36	47	35	40	50	44	30	31	45	60	60	61	60	61	64	68	62	45	43	75	78	68	58	57	60	62	77	80	81	..
	Maximum	68	63	58	64	77	65	60	57	68	82	87	87	85	82	84	81	83	78	65	73	78	68	58	57	59	58	68	77	80	81	..
Dorton	Minimum	28	38	45	35	33	48	42	32	27	39	44	45	50	52	48	51	59	58	51	36	50	44	36	29	28	32	40	53	58	61	..
	Maximum	70	67	62	65	70	69	62	57	70	82	88	88	85	83	84	82	85	84	75	76	74	62	60	59	60	63	73	78	81	85	..
Farmers	Minimum	28	36	45	30	32	46	40	26	24	31	45	46	46	51	52	53	61	67	55	58	70	62	59	64	60	62	70	77	81	85	..
	Maximum	68	56	64	64	76	70	61	56	66	82	89	88	87	84	85	82	84	83	83	71	77	65	58	58	57	60	68	77	80	84	..
Harlan§§	Minimum	28	37	39	35	38	48	40	32	28	38	52	50	50	50	50	56	58	58	50	49	59	58	49	49	48	50	52	55	58	63	..
	Maximum	68	56	64	64	76	70	61	56	66	82	89	88	87	84	85	82	84	83	80	79	78	75	70	71	69	70	78	85	85	85	..
Maysville	Minimum	36	34	44	34	32	50	43	34	27	34	52	50	50	51	48	53	60	70	78	75	80	71	63	55	50	51	54	61	59	63	..
	Maximum	65	64	63	69	73	68	63	66	75	86	89	86	85	81	83	80	82	81	79	77	76	72	69	67	67	67	72	78	81	83	..
Middlesboro	Minimum	23	48	54	38	40	60	47	38	26	32	59	49	49	50	48	55	57	71	67	54	64	66	59	58	53	58	61	78	81	78	..
	Maximum	76	68	62	61	71	68	61	54	64	82	76	83	85	77	81	83	84	84	85	80	76	76	59	58	53	58	61	78	81	78	..
Mount Sterling	Minimum	31	34	43	34	35	48	38	27	24	38	52	52	55	51	51	55	59	57	46	45	58	59	51	50	49	53	56	62	63	68	..
	Maximum	69	64	60	65	65	...	...	...	74	84	89	88	86	84	86	83	92	83	76	79	78	65	63	60	63	68	70	81	83	..
Quicksand	Minimum	27	35	44	30	30	...	...	...	24	30	40	42	47	46	53	50	56	61	49	34	52	42	36	26	26	29	30	35	42	51	..
	Maximum	68	62	64	66	71	66	60	60	73	83	89	90	85	84	85	83	85	79	72	79	71	60	59	52	54	57	64	71	74	77	..
Richmond	Minimum	44	37	46	36	41	51	37	29	33	48	60	60	61	58	54	58	64	67	62	49	62	49	42	37	30	30	35	42	51	57	..
	Maximum	69	64	64	69	74	68	64	59	72	85	90	87	84	84	85	83	85	83	77	80	80	72	64	61	61	67	77	83	84	87	..
Williamsburg	Minimum	33	42	43	34	39	43	45	39	26	36	43	45	46	49	50	50	51	52	58	46	48	57	40	32	26	36	39	39	47	56	53	..

Daily Temperatures for April, 1930. — Mean

	Mean
Western Division.	73.7
Beaver Dam	44.9
	72 3
Calhoun	49.6
	72.9
Carlington	48.9
	*72.0
Greenville	*48.6
	74.2
Hopkinsville	48.5
	73.9
Lovelaceville	48.1
	71.5
Marion	52.4
	*74.0
Mayfield	*49 3
	73.7
Murray	*44.8
	70.0
Owensboro	46.6
	73.3
Paducah (near)	48.9
	72.1
Princeton	47.9
	*72.2
Russellville§§	*45.8
Central Division.	*72.1
Anchorage	*42 9
	74.1
Bardstown	45.1
	76.1
Bowling Green	47.5
	72.9
Dix Dam	45.7
	72.5
Eubank	42.8
	73.0
Frankfort	45 4
	74.7
Franklin	49.2
	74.2
Greensburg	44.0
	71.7
Irvington	48.0
	72.9
Junction City	42.8
	71.4
Leitchfield	47.4
	67.8
Lexington	47.5
	69.9
Louisville	49.1
	71.6
Do (Cherokee Park)	45.9
	72 2
St. John	44.4
	67.7
Scott	44.7
	70 4
Shelbyville	42 3
	70.7
Taylorsville	40.7
	73.4
Williamstown	44.1
	70.0
Eastern Division.	42.4
Ashland	73.2
	42.2
Beattyville	71.2
	47.4
Berea	72.3
	41.6
Dorton	73.5
	49 3
Farmers	73.9
	42.3
Harlan§§	71.9
	43.2
Maysville	*74.7
	*43.2
Middlesboro	69.6
	42.1
Mount Sterling	*75.8
	50.3
Quicksand	71.9
	42.9
Richmond	75.3
	42.4
Williamsburg	

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* ** etc. indicate respectively 1, 2, 3 etc., days missing from record.

37 M O Louisville 5-28-30—100

51.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

THE LIBRARY OF THE
JUL 1 1930
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

KENTUCKY SECTION

JAMES L. KENDALL, Meteorologist.

L. XXXV LOUISVILLE, KY., MAY, 1930 No. 5

GENERAL SUMMARY.

The normal rainfall occurred at a few southeastern stations, erwise precipitation was deficient. High temperature in the t decade accentuated drought conditions, but normal to low peratures later on were rather favorable The drought was ved temporarily by moderate to heavy rains near the end he second decade. These rains, which were fairly heavy r the southern boundary and diminished northward, consti- d the principal moisture supply received. They were suffi- t to bring up corn in most districts and to permit tobacco ng to begin. They also made possible the completion of preparation and corn planting. Early corn came up to a l stand, but later plantings showed variable and irregular lts, depending on the character and condition of soil as af- d by the dry weather. Cultivation followed the rains, with mellow and the fields clean. By the end of the month ght had returned to the northern counties, where crops suffering. The driest district was the lower Green River ey, where there was actual crop deterioration toward the of the month. Tobacco plants continued their slow and ular growth, mainly dependent on water artificially sup- l. Hand setting in the hills was possible for only a day or but machine transplanting on the smoother uplands pro- ed slowly in the last decade as plants became available. ly set tobacco survived with difficulty and made scarcely growth, as the extremely low humidity and almost continu- sun-shine caused the rapid disappearance of the meager ly of moisture. Cultivation, following as quickly as possible setting, helped tobacco to withstand the drought. Wheat loped irregularly and headed short. On slopes and dry up- s it suffered marked damage, while on level lands and oms it made a fairly good crop. It was ripening somewhat aturely at the end of the month. Strawberries were cut by the dry weather, while the hay, forage and bluegrass were much reduced. Gardens were seriously retarded. oes in the blooming stage at the end of the month, lacked ture to make the tubers. Stock water shortage had appeared ie uplands.

TEMPERATURE.

ports from 43 stations gave a mean temperature for the of 66.5°, an excess of 1.2°. In the period 1st-12th daily rtures were from 8° to 20° above normal. From the 13th th moderate deficiencies were the rule. Unseasonably cool ner prevailed on the last three days, with minima slightly freezing at many central and eastern stations. Light to frost was reported from some northeastern localities on 0th and 31st, with slight damage to tender vegetation. extremes were 94° on the 6th at Williamstown and 33 on 1st at Williamsburg.

PRECIPITATION.

e records of 85 stations gave a precipitation average of 2.96 s, which is 1.04 inches less than normal. This shortage erious only because it followed much greater shortages in vo preceding month, the accumulated deficiency for the months, March to May, inclusive, ranging from 5.00 to nches at most stations. At many northern stations this ency amounted to two-thirds of the normal rainfall for the l. Monthly totals ranged from 4.0 to 6.0 inches in the upper Cumberland Valley and a few southwestern counties, where it ... southward to about 1.5 inches along the Ohio. Moderate to heavy ... on the 10th, 11th, and 14th, mainly in the south and eastern ...

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (Inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind: Total movement.	Ave. hourly velocity.	Max. Velocity* Miles per hour.	Direction.	Date
Cairo ..... Ill.	30.02	30.42	25	29.69	7	5269	7.1	31	SW.	2
Cincinnati ..... Ohio	30.04	30.46	25	29.74	15	4362	6.0	27	W.	28
Evansville ..... Ind.	30.03	30.42	25	29.73	7	6090	8.2	36	SW.	7
Lexington ..... Ky.	30.07	30.44	25	29.82	15	5147	11.0	32	SW.	7
Louisville ..... Ky.	30.06	30.40	25	29.76	15	6616	8.9	34	SW.	7

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	78	56	56	316.0	439.0	72	13	2
Cincinnati ..... Ohio.	71	49	52	334.6	444.0	75	17	2
Evansville ..... Ind.	70	54	53	280.1	441.4	63	12	4
Lexington ..... Ky.	73	58	-	259.3	441.4	59	13	8
Louisville ..... Ky.	71	51	56	333.2	441.4	73	14	1

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Monthly average	Departure from 40-year normal.	Highest.	Lowest.	Precipitation. Monthly average	Departure from 40-year normal.	No. of days with .01 in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889...	63.6	- 1.7	94	28	4.03	+0.03	..	..	..	..	....
1890...	63.9	- 1.4	93	32	4.22	+0.22	..	..	..	..	....
1891...	62.6	- 2.7	90	29	1.78	-2.22	..	..	..	..	....
1892...	64.6	- 0.7	90	36	5.49	+1.49	..	..	..	..	....
1893...	63.2	- 2.1	96	37	5.59	+1.59	..	..	..	..	....
1894...	64.5	- 0.8	99	32	3.54	-0.46	..	..	..	..	....
1895...	63.9	- 1.4	99	29	5.16	+0.84	8	12	10	9	....
1896...	72.2	+ 6.9	106	42	6.24	+1.31	11	14	11	6	....
1897...	61.4	- 3.9	92	32	3.27	-0.73	10	18	9	4	T.
1898...	67.6	+ 2.3	93	31	4.52	+0.52	10	14	11	6	0.2
1899...	68.8	+ 3.5	94	42	4.79	+0.79	11	11	12	8	0
1900...	66.3	+ 1.0	96	29	3.49	-0.51	10	15	8	8	0
1901...	63.7	- 1.6	97	34	2.65	-1.35	10	12	9	10	0
1902...	70.0	+ 4.7	98	35	3.55	-0.45	9	12	9	8	0
1903...	68.0	+ 2.7	98	29	3.09	-0.91	8	15	10	6	0
1904...	65.0	- 0.3	98	33	3.05	-0.95	10	14	9	8	0
1905...	68.0	+ 2.7	95	38	5.23	+1.23	11	12	9	10	0
1906...	69.5	+ 4.2	95	31	2.54	-1.46	9	16	7	8	T
1907...	61.3	- 4.0	93	30	5.07	+1.07	12	12	7	12	0
1908...	66.7	+ 1.4	96	28	4.34	+0.34	12	13	5	10	0
1909...	63.9	- 1.4	93	27	4.64	+0.64	12	13	7	11	T
1910...	61.1	- 4.4	89	30	4.81	+0.81	12	13	6	12	0
1911...	69.4	+ 4.1	105	29	2.46	-1.54	6	22	5	4	0
1912...	66.7	+ 1.4	97	37	4.53	+0.53	10	16	6	9	0
1913...	66.1	+ 0.8	99	29	2.92	-1.08	8	16	7	8	0
1914...	66.5	+ 1.2	103	32	2.16	-1.84	5	20	6	5	0
1915...	65.2	- 0.1	95	35	6.62	+2.62	15	9	8	14	0
1916...	67.2	+ 1.9	98	33	4.02	+0.02	9	14	8	8	0
1917...	58.9	- 6.4	92	30	3.43	-0.57	10	12	8	11	0
1918...	69.4	+ 4.1	97	28	4.29	+0.29	8	16	8	7	0
1919...	63.3	- 1.4	95	35	6.65	+2.05	14	9	8	14	0
1920...	64.2	- 1.1	94	32	4.68	+0.08	11	13	7	11	0
1921...	65.9	+ 0.6	97	28	3.45	-1.55	8	16	8	7	0
1922...	67.9	+ 2.6	94	35	3.87	-0.13	10	14	10	7	0
1923...	65.9	- 1.4	91	27	3.98	-0.02	13	11	8	12	T
1924...	59.9	- 5.4	92	34	5.04	+1.04	14	10	9	12	0
1925...	61.9	- 3.1	88	28	2.61	-1.39	8	16	8	7	T
1926...	66.2	+ 0.9	101	31	2.36	-1.64	7	17	8	6	0
1927...	65.7	+ 0.4	93	31	7.44	+3.44	16	10	11	10	0
1928...	63.2	- 2.1	94	29	3.55	-0.45	9	16	7	8	0
1929...	64.1	- 1.2	88	32	7.35	+3.35	14	12	8	11	T
1930...	66.5	+ 1.2	94	33	2.96	-1.04	9	18	8	8	0

Climatological Data for May, 1930.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days:				Prevailing direction of wind	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	26	67.4	+ 1.1	91	4*	39	30†	38	2.99	−1.24	1.05	0	8	18	1	12	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	26	67.1	+ 0.3	87	6†	48	30	30	3.50	−0.36	1.00	0	10	8	17	6	sw.	W. A. Taylor.
Earlington	Hopkins	420	40	68.2	+ 1.3	89	4	40	25†	39	3.05	−0.38	0.98	0	9	17	7	7	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	..								1.27	.....	0.26	0	13	.....	.....	.....	.....	P. H. McGinnis.
Greenville	Muhlenburg	519	18	*67.0	− 2.7	90*	6	39*	30	39*	2.70	−1.22	1.42	0	8	13*	15*	2*	s.	C. R. Lovell.
Hopkinsville	Christian	524	34	68.9	+ 1.8	89	3†	44	25†	36	2.78	−1.28	0.72	0	10	2	3	26	se.	W. E. Graves.
Lovelaceville	Ballard	.....	1	67.6	.....	90	2	42	25	37	2.08	.....	0.75	0	9	10	16	5	sw.	B. C. Faris.
Marion	Crittenden	571	32	68.6	+ 1.9	86	28	47	15	29	1.98	−2.28	0.90	0	5	14	10	1	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	364	21	67.5	− 1.8	88	1	43	25	36	4.69	+0.10	1.05	0	6	15	11	5	sw.	Harry B. Arnold
Murray	Calloway	412	4	66.5	.....	87	1†	38	31	40	4.20	.....	1.20	0	10	12	8	11	s.	Henry S. Berry
Owensboro	Daviess	479	33	66.0	+ 0.4	88	6	42	24	34	1.63	−2.08	0.50	0	6	19	2	10	s.	George McGlemary.
Owensboro	Daviess	404	2	.....	.....	.....	.....	.....	.....	.....	2.15	.....	1.02	0	7	.....	.....	.....	.....	J. W. Lilley
Owensboro, Dam 46	Daviess	516	13	66.4	− 0.2	88	3	40	31	38	2.30	−1.87	0.74	0	7	14	11	6	se.	Frank L. Brown.
Paducah (near)§	McCracken	341	41	.....	.....	.....	.....	.....	.....	.....	1.56	−2.47	0.58	0	5	.....	.....	.....	.....	Dr. W. L. Cash.
Paducah	McCracken	529	23	67.0	+ 0.8	87	1†	43	30	32	4.20	−0.82	1.95	0	12	10	14	7	s.	Thos. L. Wetzell.
Princeton	Caldwell	384	13	.....	.....	.....	.....	.....	.....	.....	4.24	−0.40	0.90	0	11	.....	.....	.....	.....	Wm. Shelton.
Rumsey, Lock 2 ‡	McLean	390	19	64.8	− 1.4	91c	4	38c	31	35c	4.25	+0.36	1.49	0	9	18c	2c	8c	s.	H. R. Sale
Russellville	Logan	557	2	.....	.....	.....	.....	.....	.....	.....	0.88	.....	0.26	0	7	.....	.....	.....	.....	
Uniontown, Dam 49	Union	..	..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. L. Moore.
Central Division.											2.68	.....	1.34	0	10	.....	.....	.....	.....	C. E. Barret.
Addison, Dam 45	Breckinridge	352	2	.....	.....	.....	.....	.....	.....	.....	0.98	−2.81	0.44	0	4	24	1	6	sw.	Mrs. Emily P. Sisco.
Anchorage	Jefferson	700	29	61.6	− 0.9	88	4	36	31	39	0.98	−2.81	0.44	0	4	24	1	6	sw.	Mrs. Emily P. Sisco.
Bardstown	Nelson	637	33	67.1	+ 1.1	93	6	36	30	42	3.41	−0.23	0.93	0	8	24	2	5	w.	Mrs. Lillie G. Causey.
Bowling Green	Warren	600	41	68.8	+ 1.4	93	6	42	3	36	3.49	−0.52	1.02	0	11	12	13	6	s.	Jas. R. Hines.
Bowling Green, No. 2	Warren	469	5	.....	.....	.....	.....	.....	.....	.....	3.11	.....	0.86	0	10	.....	.....	.....	.....	Virgil M. Whalin.
Brownsville, Lock 6‡	Edmonson	410	13	.....	.....	.....	.....	.....	.....	.....	2.55	−2.95	0.70	0	12	.....	.....	.....	.....	T. A. Lewis
Burnside	Pulaski	773	39	.....	.....	.....	.....	.....	.....	.....	6.28	+2.39	2.42	0	11	.....	.....	.....	.....	Shelby Angel.
Carrollton, Lock 1	Carroll	422	31	.....	.....	.....	.....	.....	.....	.....	1.79	−2.32	0.58	0	7	.....	.....	.....	.....	Bert Ross.
Cold Spring, Dam 86	Campbell	489	4	.....	.....	.....	.....	.....	.....	.....	1.44	.....	0.38	0	6	.....	.....	.....	.....	G. D. Glass.
Dix Dam, Burgin	Mercer	770	6	67.4	.....	90	4†	38	31	42	2.87	.....	0.88	0	6	14	15	2	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	36	66.4	+ 2.4	91	4†	36	31	42	5.28	+0.90	1.50	0	9	15	4	12	s.	Sidney Wood.
Frankfort	Franklin	560	38	67.4	+ 2.2	90	6	40	30	37	2.80	−0.82	1.02	0	9	18	3	10	s.	M. E. Johnson.
Franklin	Simpson	691	35	69.5	+ 1.8	92	4	43	30	42	5.75	+1.35	3.00	0	8	21	7	3	s.	Albert Parvis.
Gest, Lock 8	Henry	449	19	.....	.....	.....	.....	.....	.....	.....	2.00	−1.45	0.55	0	9	.....	.....	.....	.....	W. T. Duzan.
Grant, Dam 84	Boone	780	9	.....	.....	.....	.....	.....	.....	.....	0.63	.....	0.16	0	6	.....	.....	.....	.....	
Greensburg	Green	581	37	67.0	+ 2.2	93	6	38	31	42	4.07	−0.27	1.11	0	12	5	2	24	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	646	32	67.1	+ 1.2	89	6	42	30	30	3.41	−0.42	1.60	0	7	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckinridge	535	36	66.9	+ 2.3	91	6†	36	30†	45	1.83	−1.95	0.77	0	6	14	8	9	sw.	W. J. Piggott.
Junction City	Boyle	.....	..	.....	.....	.....	.....	.....	.....	.....	3.95	−0.14	0.95	0	12	11	15	5	s.	Caroline Grubbs.
Lancaster	Garrard	1032	4	.....	.....	.....	.....	.....	.....	.....	4.34	.....	1.40	0	11	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	685	34	66.4	− 1.3	89	6	41	30†	34	3.38	−0.84	0.73	0	10	13	7	11	sw.	H. H. Willis.
Lexington	Fayette	989	46	65.4	+ 1.1	88	6	45	31	32	3.35	−0.56	1.37	0	8	14	9	8	sw.	U. S. Weather Bureau
Littlebickman, Lock 8¶	Jessamine	523	19	.....	.....	.....	.....	.....	.....	.....	4.25	+0.16	1.34	0	7	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	20	.....	.....	.....	.....	.....	.....	.....	3.14	−0.46	0.80	0	8	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	57	67.2	+ 0.6	88	6	48	31	33	1.46	−2.26	0.44	0	10	14	12	5	s.	U. S. Weather Bureau.
Do. (Cherokee Park)	Do.	534	20	65.6	+ 1.2	87	6	42	31	34	2.49	−1.47	0.73	0	10	12	10	9	sw.	Wm. I. Hunt.
Munfordville	Hardin	600	5	.....	.....	.....	.....	.....	.....	.....	4.04	.....	1.10	0	8	.....	.....	.....	.....	A. G. Hubbard.
St. John	Mercer	777	35	65.2	+ 0.9	90	6	37	30†	35	2.53	−1.54	1.00	0	8	19	3	9	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	490	16	.....	.....	.....	.....	.....	.....	.....	3.43	−0.12	0.92	0	8	.....	.....	.....	.....	Ernest M. Searcy.
Scott ¶	Kenton	900	32	64.4	+ 1.0	88	6	38	30†	30	1.40	−2.53	0.36	0	6	12	11	8	s.	E. B. Wilson.
Shelbyville	Shelby	825	41	64.6	− 0.0	90	6	36	31	40	2.35	−1.67	0.68	0	9	13	3	15	s.	Miss Ruth Ratta.
Taylorsville	Spencer	489	28	65.6	+ 1.0	89	6	35	31	41	3.26	−0.38	1.09	0	8	15	10	6	s.	E. D. Bourne.
Tyrone, Lock 5¶	Anderson	526	12	.....	.....	.....	.....	.....	.....	.....	3.06	+0.09	0.94	0	8	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	948	27	67.2	+ 3.6	94	6	38	30	41	1.62	−1.94	0.67	0	8	22	6	3	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4 ‡	Butler	533	13	.....	.....	.....	.....	.....	.....	.....	3.30	−0.14	0.80	0	12	.....	.....	.....	.....	H. J. Lewis.
Eastern Division.																				
Ashland	Boyd	534	13	66.8	+ 2.4	92	6	36	31	38	1.83	−2.12	0.45	0	9	16	0	15	s.	Curtis Parvis.
Beattyville	Lee	650	26	65.0	− 9.8	91	6	36	31	47	3.56	−0.51	0.72	0	13	8	5	18	sw.	Robert S. Smallwood.
Berea	Madison	1070	25	66.6	+ 1.4	90	6	36	30	38	3.76	−0.41	0.91	0	13	16	4	11	sw.	Chas. C. Graham.
College Hill, Lock 11	Madison	601	20	.....	.....	.....	.....	.....	.....	.....	2.52	−1.46	0.68	0	11	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	12	.....	.....	.....	.....	.....	.....	.....	1.73	1.53	0.45	0	7	.....	.....	.....	.....	P. H. Kehoe.
Dorton	Pike	.....	..	65.2	.....	*8	5†	36	31	42	2.60	.....	0.70	0	13	14	14	3	.....	James Sowards.
Falmouth	Pendleton	600	41	.....	.....	.....	.....	.....	.....	.....	1.14	−2.42	0.31	0	9	.....	.....	.....	.....	J. V. Oldham.
Farmers	Rowan	668	22	66.2	+ 3.4	91	6	36	31	43	2.03	−1.80	0.69	0	4	16	7	8	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	3	.....	.....	.....	.....	.....	.....	.....	2.85	.....	1.08	0	6	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	14	.....	.....	.....	.....	.....	.....	.....	3.66	−0.30	1.02	0	8	.....	.....	.....	.....	Jean A. Walters.
Grayson	Carter	589	6	.....	.....	.....	.....	.....	.....	.....	1.55	.....	0.61	0	8	.....	.....	.....	.....	Col. Frank Powers
Greenup, Dam 30	Greenup	549	9	.....	.....	.....	.....	.....	.....	.....	1.75	−1.83	0.42	0	11	.....	.....	.....	.....	T. Mitchell.
Harlan	Perry	1197	2	65.8	.....	90	4†	38	31	39	4.58	.....	1.93	0	12	11	12	8	sw.	W. W. Duffield.
Hazard	Perry	869	6	.....	.....	.....	.....	.....	.....	.....	5.13	.....	0.98	0	13	.....	.....	.....	.....	Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	664	13	.....	.....	.....	.....	.....	.....	.....	4.40	+0.52	1.07	0	11	.....	.....	.....	.....	S. C. Cole.
Jenkins	Letcher	1566	5	.....	.....	.....	.....	.....	.....	.....	3.89	.....	1.10	0	10	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	564	26	.....	.....	.....	.....	.....	.....	.....	1.98	−2.09	0.75	0	6	.....	.....	.....	.....	Russian Copley.
Manchester	Clay	.....	10	.....	.....	.....	.....	.....	.....	.....	3.16	+0.26	1.12	0	11	.....	.....	.....	.....	I. L. Manning.
Margaville	Mason	524	33	66.0	+ 1.4	92	6	36	30†	42	1.26	−2.69	0.33	0	9	12	12	7	s.	Perry E. Bennett
Middlesboro	Bell	1128	34	.....	.....	94*	23	.....	.....	.....	3.80	−0.38	1.11	0	11	10*	20*	0*	.....	Matthew Woodson.
Mount Sterling	Montgomery	930	40	62.4	− 1.4	86	5†	34	30†	40	2.72	−1.52	1.30	0	7	19	5	7	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	8	.....	.....	.....	.....	.....	.....	.....	1.16	.....	0.44	0	8	.....	.....	.....	.....	Andrew M. Stanforth.
Pikeville	Pike	636	24	.....	.....	.....	.....	.....	.....	.....	3.12	−0.25	0.96	0	11	.....	.....	.....	.....	Robert Reppas.
Powersburg	Floyd	640	5	.....	.....	.....	.....	.....	.....	.....	2.70	.....	0.58	0	10	.....	.....	.....	.....	R. C. Hall.
Quicksand	Breathitt	732	5	65.1	.....	92	6	37	31	49	3.89	.....	0.80	0	11	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	12	.....	.....	.....	.....	.....	.....	.....	2.55	−1.59	0.66	0	9	15	3	13	.....	Walter P. Bush.
Richmond	Madison	926	39	66.8	+ 1.2	87	23	40	30†	34	3.36	−0.38	1.17	0	10	.....	.....	.....	.....	I. W. Crooke.
Valley View, Lock 9	Madison	541	12	.....	.....	.....	.....	.....	.....	.....	4.93	+1.36	1.47	0	8	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	15	.....	.....	.....	.....	.....	.....	.....	1.24	−2.55	0.32	0	9	.....	.....	.....	.....	H. M. Fannin.
Wallsburg	Letcher	1142	5	.....	.....	.....	.....	.....	.....	.....	3.58	.....	1.20	0	9	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	939	33	66.0	+ 0.2	91	4†	33	31	45	4.57	+0.47	2.00	0	10	29	2	0	.....	Lawrence R. Uhl.
Willow, Lock 13	Lee	611	11	.....	.....	.....	.....	.....	.....	.....	4.90	+0.80	1.35	0	7	.....	.....	.....	.....	Jessie Hicks.
State averages and extremes				66.5	+ 1.2	94	6	33	31	40	2.96	1.04	3.00	0	9	15	8	8		

All temperature data are taken from self registering thermometers.

State averages are computed only for such stations as have ten or more years of record, but all complete reports are published in the table.

The departures from normal temperature and precipitation are computed only for such stations as have records sufficient for the computation of normals.

Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River and its tributaries.

Used in determining section or division means

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

Also on other dates. ** Received too late to be included in means and summaries. † Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

¶Postoffice addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

The month was generally free from hail.

light scattered showers on most other days in the first two decades, also on the 24th and 28th. The range for the state was between 0.63 inch at Grant and 6.28 inches at Burnside. Thunderstorms were reported on the 2d, 4th, 8th, 9th, 10th, 11th, 12th, 13th, 18th, 19th, and 23d.

MISCELLANEOUS.

Rivers.—Low stages prevailed during the month.

Daily Precipitation for May, 1930.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam		.10	.48				T	.60	.48	T	.13				.95			.10	1.05	.10												
Calhoun		.44		.24							1.2	1.00					.1	.19	.61				.02									
Carlington		T.	.13		.41		T	T.		.41	.02				.88				.98	.16												
Cords Ferry, Dam 50		.16	.02			T.	.02		.05	.23	.09	1	.08	.12			T	.26	.15	.05			T	.02								
Greenville		.15	.02	.04				T.		T	.17		1.42				T	.58	.20				T									
Hopkinsville					.08				.43	.18	.17				.46		.05	.72	.61	.0												
Madisonville		T.	T.	T.	T.	T.	.03			.42	.6			.10			.04	T.	.75	.61			.02									
Marion								.27	.21	.10				.90			T.	.50	T.													
Mayfield				.83						.70	.26			.91		.94		1.03														
Murray		.15	.21				.16	.11	.55	.25			1.20			.16	.29	1.02														
Owensboro		.50			T.	T	T.	T.	T.	T	T	.13			48				.25	.17	.05			T						T		
Owensboro, Dam 46		1.02			T.				T	T	.08	.12			.45				.20	.22	.06			T						T.		
Paducah (near) ¶							.16		.20	.40	.28		.42						.74											.16		
Paducah		T.					T			.15	.32		T	.35					.58	.03												
Princeton		1.95		T.			.05	.22	.34	.10				.45		.05	.01	.85	.16				.61							.0	T		
Ramsey, Lock No. 2		.32	.12		.11				.62	.16	.02	.18			.90			.52	.82													
Russellville			.04						.40	.15	1.35				.54			.03	1.49	.21				.09						.07		
Smithtown, Dam 49		.26					T.			T	.04	T.	.15					.21	.16					.03						.04		
Central Division																																
Addison, Dam 45					.11			T		.62	.01	.03		1.84			.61	.15	.34	.04				.43								
Arlington									T				.33				.12	.44	.03	T			T.									
Bardstown		.03	.14							.61				.71				.93	.47	.32				.20								
Bowling Green			.40		T.		.02		.26		.22			.68				1.02	.09	.05										.03	.02	
Bowling Green, No. 2			.36				.06		.23	.21				.61				.86	.43	.05				.24						.08		
Brownsville, Lock No. 6		.02	.13						.08		.77			.70			.12	.54	.56	.12				.03						.07	.11	
Brussels			.35			T.		.24		T.	.80	.10		1.10	.20		T.	T.	2.42	.32				.12						.50	.40	
Carrollton (Lock No. 1)											.5	.12						.22	.28	.30	.15				.14							
Old Spring, Dam 36						T.					.30	T		.34		.02	T.		.22	.18				.38								
Dix Dam, Burgin										.53	T.		.66					.88	.46				.31									
Elkhorn			.31					.11			1.23	.46		1.06					1.90					.18					.09	.34		
Frankfort							.1	T		.48	.05		1.02					.50	.12	.12				.37					T	.05		
Franklin									.20	.25	.72			.75			.15	.28				.45										
Locust, Lock No. 3		.07					T			.15	.15	.21		.41	T	T.	3.00	.08	.55	.11				.32								
Mount, Dam 39		T.	T.				T.	T.			.10	.07		.09	T.	T.		T.	.16	.08				.03					T			
Greensburg			.02	.22					T.		.71	.03		1.07				.01	.03	1.11	.04			.46						.22	.15	
High Bridge, Lock No. 7											.42	.07		.52				1.0	.41	.01				.40								
Lexington			.14		T			T		T	.09	.77				.28	.41	.14				T.							T			
Madison City			.12				T.	T.	T.	T	.95	.05	.75	.61		.65	.35	.67	.10			.05	.20						.05			
Manchester				.11						.03	1.0	.41		1.40			.11	.25	.68	.05				.18							.12	
Merrifield			.68				.05	.02	.35	T			.78			T	.35	.70	.15				.30						.08			
Lexington ***							T.	T	T	.62	.85		.51	T.	T.	T.	.95	.43	.45				.58				T		.06			
Old Blackman, Lock No. 8			T								.44	.69		.82				1.34	.76					.10						.10		
Rockport, Lock No. 2								.03	.80	.29			.51	.88		T		.44	.68				.19									
LOUISVILLE***		T.		.01			.01	T		.03	.02				T			.28	.60	.34			.11						.08			
Do. (Cherokee Park)				.22			.01	.01		.11	.45		.75				.11	.27	.17	T.			.83						.07			
Lunsford											.59							.52	.22				.11						.08			
St. John		.10	.07		T					.10	T			.61			T	1.00	.40	.06				.21					.10	.10		
Shawnee, Lock No. 6								T			.30	.25		.79				.92	.50	.22				.30						.15		
Talbott							T			T	.86		.26		.06		T	.18	.25				.29					T.	T.			
Shelbyville										.04	.03	.02		.51				.11	.68	.16				.12						.08		
Taylorsville			.02								1.00		.70				.28	.60	.34				.11						.08			
Throne, Lock No. 5										.94	.50	.70					.60	.26	.37				.60				.23					
Williamstown											.02	.11		.40		.03		.08	.25	.09				.67								
Woodbury, Lock No. 4				.43				.02		.17	.38			.80			.01	.41	.50	.02				.14					.85	.07		
Eastern Division																																
Ashland						.22					.45	.06		.42		.03		.38	.16	.05				.06								
Cattyville			.06						.06	.19	.67	.23		.53	.02		.16	.40	.72	.15				.28						.18		
Clyra		.13					.03			.14	.01	.03	.61	.16		.04	.86	.67	.06					.09					.09			
College Hill, Lock No. 11		.02						T		.80	.20	.45		.52			.02	.25	.68	.02				.02						.04		
Cuttshaw								T			.45	.25		.04				.15	.45	.35				.04				T.	T			
Morton		.38	.02		T.	.09	T.			.05	.30	.12	.12	.22	T	T	.06	.70	.39	.06				.09								
Portsmouth											.12	.06		.81		.09		.07	.24	.08				.15					.02			
Somers											.30			.66				.69						.29								
Spencerburg											.40		.45			.08	.02	.15	.45													
Ford, Lock No. 10							T	T.		T	.10	.23		1.02		T	T	.90	.44	.03				.14						.03		
Grayson												.16		.38		.07		.61	.21					.05						.07		
Greenup, Dam 30		.03					.12					.15	.03		.18	.05	.42	.28	.27	.21				.01								
Harlan				.42					.04			.70	.02		.81	.05			1.01	.93	.26				.09					.22	.04		
Hazard			.09	.05			.02		.14		.87	.58	.85		.88					.97	.10				.12					.02	.06		
Heidelberg, Lock No. 14			.08					.05	.02		.37	.40		.50				.12	.07	.78	.34			.12								
Jenkins							.10			.06		.45	.04	.46	.04			.70	1.10	.27			.17									
Louisa												.75		.43	.04	.31		.22						.22								
Manchester				.13					.07		.58	.03		.76	.02				1.12	.18				.07					.17			
Maysville											.07	.09		.28	.08	.07		.15	.33	.13				.06					T			
Middlesboro			.27				.07	.16			.37		.50	.20					.50	1.11								.18	.41	.03		
Mount Sterling		T.									.30	.10		.65	T			1.30	.05	.30				.02								
Oneonta Dam 35					T						.10	.12		.26	T	.07		T	.14	.18				.44								
Pineville				.76			T.	.06			.82			.52	.12		T.	T.	.96	.22				.16								
Prestonsburg				.23							.10	.12		.60	.11		.15	.39	.58	.35				.05						.10		
Ricketts									.21	.46		.14		.72	.08		.28		.40	.80	.45									.25		
Stevens, Lock No. 12		.10		T				.10	.18	.15	.26			.72			.15	.23	.66	.12				.14					T			
Richmond							T			.33	.40	.55		1.17		T	.01	.80	.50	.02												
Valley View, Lock No. 9							.01		.56	.66	.74		.65				1.42	.44	.15				.15						.15			
Vanceburg, Dam No. 32											.58	.01		.16	.11	.25		.32	.21					.10								
Whitesburg			.30								.30			.50	.16			.31	1.20	.48									.50	.05		
Williamsburg							.85	.09			.41			.43	.10		.09	.2	2.60	.04				.68					.45			
Willow, Lock No. 13										1.25	.60	.30		.40	.30		1.35	.70														

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

†† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (R) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi. ¶ Long Oak.

Daily Temperatures for May, 1930.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	89	85	85	91	90	91	86	86	80	79	82	85	80	67	69	75	77	74	80	75	83	86	88	75	75	79	82	88	83	70	75	81.0
	Minimum	55	60	54	54	62	67	70	58	58	51	67	62	50	51	48	49	57	62	61	57	48	58	51	55	60	44	50	50	55	39	39	53.9
Calhoun	Maximum	84	85	84	86	85	87	83	83	76	78	80	83	81	65	68	70	72	72	77	73	76	85	86	82	84	87	87	89	84	76	77	80.1
	Minimum	58	60	56	58	63	65	69	60	60	63	68	62	65	52	48	51	58	61	63	60	54	56	59	48	46	49	54	62	64	43	45	56.4
Earlington	Maximum	87	87	85	89	86	88	84	84	76	80	82	84	79	67	69	71	73	73	79	74	84	86	83	75	77	84	85	88	78	70	77	*80.4
	Minimum	59	63	53	57	63	69	68	61	62	65	62	63	63	50	48	51	58	63	62	66	49	61	56	45	42	45	49	61	53	39	42	*53.6
Greenville	Maximum	86	87	86	86	87	90	84	84	...	82	85	89	84	66	68	69	76	72	78	69	81	86	84	74	74	81	85	87	81	78	74	81.0
	Minimum	53	53	55	56	56	56	64	65	54	...	58	66	61	51	50	46	50	47	50	46	47	51	54	45	42	45	49	61	53	39	43	51.8
Hopkinsville	Maximum	87	88	89	89	88	89	85	80	76	79	82	85	78	69	70	70	77	76	81	74	84	86	83	74	79	83	85	89	70	72	77	80.4
	Minimum	57	65	60	61	62	65	69	66	62	62	63	63	60	51	49	55	60	62	63	60	48	58	51	55	60	46	44	48	53	36	39	54.8
Lovelaceville	Maximum	89	90	86	87	86	88	84	85	83	82	83	82	72	72	71	75	77	76	81	77	83	86	88	74	75	80	82	86	81	75	74	81.0
	Minimum	58	64	58	58	63	68	68	62	57	63	63	62	54	59	48	45	52	57	61	61	49	54	51	57	58	43	47	51	52	42	41	54.9
Marion	Maximum	84	85	83	82	83	83	83	83	73	77	79	79	72	66	67	70	69	72	75	77	83	84	79	68	70	72	75	84	72	72	78	77.5
	Minimum	60	60	58	61	75	66	74	66	69	62	64	59	60	50	47	52	59	60	62	63	52	61	54	49	49	57	61	62	52	50	59	59.8
Mayfield	Maximum	88	86	86	83	85	86	88	82	79	78	81	82	81	67	70	73	71	74	77	74	84	86	86	74	77	83	84	87	77	71	78	79.9
	Minimum	57	64	56	60	63	65	62	59	60	63	65	60	58	51	49	50	48	56	60	62	55	56	52	55	56	40	43	47	53	37	39	53.1
Murray	Maximum	87	87	86	85	86	87	88	86	80	80	81	82	83	71	71	70	72	79	79	81	75	83	86	86	87	89	89	90	87	83	82	82.7
	Minimum	60	64	55	56	57	60	62	52	62	60	62	54	57	48	46	56	61	63	60	58	48	58	51	56	59	40	41	45	50	38	40	54.9
Owensboro	Maximum	85	86	81	85	84	85	84	84	80	79	80	79	65	64	68	71	68	74	72	75	77	83	84	79	68	70	72	85	84	72	78	77.5
	Minimum	55	59	52	56	57	60	61	70	57	59	62	66	56	49	46	47	57	59	62	63	52	56	42	48	46	58	59	52	51	55	54	55.4
Paducah (near)	Maximum	82	81	88	83	84	84	84	76	74	80	83	80	72	71	69	73	74	76	77	79	83	84	85	74	75	79	83	84	68	69	73	77.9
	Minimum	60	64	57	60	64	62	62	59	63	63	64	51	59	51	47	54	59	62	61	61	54	55	56	46	45	48	53	58	55	43	46	56.2
Princeton	Maximum	87	87	82	85	85	87	83	82	74	80	82	81	73	66	67	70	75	71	76	71	81	83	84	76	77	80	84	87	77	71	78	79.9
	Minimum	55	62	58	60	61	65	65	58	63	64	65	58	58	51	48	53	60	64	62	59	52	55	56	45	43	47	53	57	53	41	45	53.1
Russellville§§	Maximum	85	84	82	86	86	86	90	88	88	85	83	79	83	80	76	66	76	76	75	73	77	78	82	58	60	44	46	52	63	52	40	41	76.8
	Minimum	55	68	47	49	62	61	69	57	56	63	61	61	51	58	54	50	60	60	64	57	47	52	58	50	44	46	49	56	52	41	43	44	55.1
Central Division.																																	
Anchorage	Maximum	86	83	82	88	85	70	82	82	85	82	78	80	80	70	62	72	73	72	73	67	72	83	84	71	72	76	84	80	66	68	74	76.8
	Minimum	59	53	48	49	58	55	64	54	55	57	64	60	51	53	49	46	56	61	63	58	48	52	56	53	48	52	52	54	43	43	48	51	53	52.4
Bardstown	Maximum	88	84	83	91	87	93	85	89	87	82	81	85	72	68	65	72	76	74	78	73	84	85	86	76	78	84	86	88	85	75	76	80.2
	Minimum	55	63	47	49	61	60	71	56	56	63	66	66	63	51	53	50	46	58	56	62	56	45	54	60	45	46	49	55	54	43	44	54.0
Bowling Green	Maximum	89	88	85	92	90	93	88	84	81	79	84	88	82	70	73	70	71	70	78	73	85	86	86	78	78	84	87	89	69	73	78	80.9
	Minimum	57	65	57	56	60	62	71	68	59	58	66	62	55	54	49	55	60	63	64	63	53	58	55	52	48	45	48	52	58	52	54	54.4
Dix Dam	Maximum	87	84	80	90	90	90	87	86	88	80	79	83	81	65	65	73	76	73	77	70	81	85	86	81	71	77	82	84	82	64	74	79.7
	Minimum	60	64	48	48	56	60	67	56	56	62	68	65	49	60	51	49	66	64	64	57	50	53	60	48	43	45	52	61	51	40	38	55.2
Eubank	Maximum	87	86	87	91	88	91	74	84	86	86	84	84	78	66	64	74	75	69	73	68	80	87	85	69	82	76	82	84	75	69	78	79.4
	Minimum	60	62	54	51	57	56	66	61	55	66	66	64	56	59	46	41	60	62	62	52	44	50	62	52	38	40	45	53	52	40	36	53.4
Frankfort	Maximum	85	84	82	86	86	86	90	88	88	85	83	79	83	80	76	66	76	76	75	73	77	77	82	58	59	60	44	46	52	63	52	40	41	55.1
	Minimum	55	68	47	49	62	61	69	57	56	63	61	61	51	58	54	50	60	60	64	57	48	52	58	50	44	46	48	56	52	41	41	44	52.4
Franklin	Maximum	88	87	83	92	89	91	87	82	77	79	84	88	85	71	74	74	71	80	74	78	83	88	83	74	74	84	86	88	82	81	71	75	80	80.2
	Minimum	61	67	59	59	63	67	71	62	63	64	67	66	57	51	56	61	63	64	66	52	56	57	58	48	47	51	53	58	47	45	51	39	38	53.9
Greensburg	Maximum	88	84	83	91	88	93	82	86	84	78	81	85	75	70	70	75	76	72	79	79	81	82	84	72	78	78	79	82	83	74	68	78	77.9
	Minimum	55	60	54	49	58	58	58	70	54	56	59	65	60	50	57	49	49	61	64	62	62	47	56	60	49	47	49	45	57	65	53	42	43	56.4
Irvington	Maximum	85	81	79	87	85	89	83	86	82	78	80	80	66	62	73	72	73	78	78	69	79	82	84	72	78	82	84	86	73	66	74	80.1
	Minimum	61	60	51	57	64	65	70	61	62	63	67	58	54	53	50	59	59	63	57	43	56	61	59	49	41	48	53	57	56	41	44	48	53	53.7
Junction City	Maximum	85	83	82	90	85	91	85	84	85	81	83	78	67	66	75	76	77	80	80	87	90	91	71	72	78	82	84	86	73	67	76	80	86	83.7
	Minimum	54	61	49	45	56	57	65	62	59	64	64	47	57	48	45	60	59	60	61	64	73	72	49	50	41	44	47	55	51	39	38	55.3
Leitchfield	Maximum	85	83	80	88	86	89	81	84	80	78	79	82	71	66	65	72	72	70	77	66	79	82	84	72	78	78	79	82	83	74	68	77	77.9
	Minimum	60	60	55	54	63	62	69	60	59	62	66	61	52	53	49	48	58	61	61	55	48	53	54	48	43	45	51	59	53	42	43	52.4
Lexington	Maximum	81	79	75	87	82	82	88	77	84	86	81	75	80	72	60	61	71	72	70	74	62	79	81	82	51	47	45	48	59	53	47	45	45	66.2
	Minimum	60	61	57	55	68	66	64	62	61	63	64	65	59	53	50	46	50	58	60	58	50	51	59	51	41	43	43	49	50	38	38	38	38	54.4
Louisville	Maximum	83	81	79	87	85	88	81	86	83	79	78	80	78	67	65	70	72	69	75	75	76	83	83	84	69	71	78	82	79	66	65	73	76	76.6
	Minimum	61	63	55	54	66	67	69	63	62	65	67	65	57	53	52	52	59	59	61	56	51	59	54	51	48	53	60	58	52	48	48	57	58	57.8
Do. (Cherokee Park)	Maximum	84	83	80	88	86	89	81	84	80	78	79	82	71	66	67	72	72	70	77	66	79	82	84	72	78	78	79	82	83	74	68	77	77.9
	Minimum	60	60	55	54	63	62	69	60	59	62	66	61	52	53	49	48	58	61	61	55	48	53	54	48	43	45	51	59	53	42	43	52.4
St. John	Maximum	81	79	75	87	82	82	88	77	84	86	81	75	80	72	60	61	71	72	70	74	62	79	81	82	62	51	47	45	58	59	53	47	45	66.2
	Minimum	60	61	57	55	68	66	64	62	61	63	64	65	59	53	50	46	50	58	60	58	50	51	59	51	41	43	43	49	50	38	38	38	38	54.4
Scott	Maximum	82	79	76	80	82	88	88	80	85	84	82	74	78	70	60	60	70	71	71	69	67	76	76	84	61	46	46	45	51	58	50	38	38	54.4
	Minimum	60	67	46	61	66	64	67	60	56	60	63	62	53	53	51	46	55	55	62	58	50	51	61	46	46	45	51	58	50	38	38	38	38	54.4
Shelbyville	Maximum	83	82	81	89	83	90	80	87	86	83	79	81	70	65	64	74	72	72	77	66	79	82	84	71	79	79	82	83	65	66	75	77.5
	Minimum	53	61	45	49	59	58	65	54	55	59	63	58	50	51	48	45	56	56	60	58	48	52	58	50	39	40	43	47	52	50	36	35	53.5
Taylorsville	Maximum	83	82	75	86	84	89	82	86	83	87	83	75	73	70	66	72	73	72	77	69	78	82	83	69	69	73	81	82	72	74	77	80.6
	Minimum	62	62	49	45	59	56	61	56	56	61	64	56	53	51	48	45	56	56	59	56	43	50	55	48	40	43	43	47	52	50	36	35	53.5
Williamstown	Maximum	86	83	84	90	87	94	89	91	89	87	76	84	78	65	68	76	78	75	77	68	85	87	86	82	84	87	88	89	84	72	78	80.6
	Minimum	58	65	49	49	61	63	67	57	57	62	62	60	53	53	50	46	55	56	60	53	47	56	62	49	41	43	44	52	53	42	43	44	52.4
Eastern Division.																																	
Ashland	Maximum	82	86	84	78	84	88	92	84	88	88	88	82	86	78	74	58	76	78	74	80	86	86	86	72	70	72	82	84	60	64	78.7
	Minimum	66	58	46	46	52	62	62	58	58	63	64	66	52	62	54	46	58	62	60	58	48	50	58	54	52	40	50	58	52	40	36	40	36	53.9
Beattyville	Maximum	85	82	82	90	87	91	88	87	83	78	77	71	65	77	75	75	75	79	78	66	84	87	88	73	72	77	83	89	72	63	71	78	77.8
	Minimum	50	61	50	43	52	56	55	53	55	60	63	58	46	54	49	44	60	62	62	56	48	49	54	54	51	38	40	41	43	36	34	41	34	51.2
Berea	Maximum	86	81	80	88	86	90	82	85	86	84	77	82	75	70	68	74	73	73	77	73	80	85	86	69	72	78	80	83	55	62	49	39	37	77.8
	Minimum	62	61	50	50	64	64	66	60	58	60	64	61	54	51	57	49	51	63	63	56	46	60	62	48	40	43	55	62	49	36	38	44	36	55.4
Dorton	Maximum	85	84	77	85	88	88	88	82	86	87	87	74	81	80	75	66	75	80	78	78	72	78	83	87	72	70	73	78	82	45	52	45	36	51.9
	Minimum	50	52	53	43	49	55	55	56	59	50	63	62	49	59	54	46	55	60	62	60	51	49	53	50	40	40	44	48	52	45	36	38	36	50.0
Farmers	Maximum	85	82	81	86	86	91	89	89	87	87	83	85	82	70	66	76	71	74	77	76	80	85	86	85	70	70	71	73	75	83	65	66	65	70	79.1
	Minimum	51	58	44	43	51	57	56	54	54	60	63	60	45	59	53	48	53	60	62	58	50	51	54	46	36	41	43	48	55	43	38	43	38	52.6
Harlan §§	Maximum	84	82	82	90	89	90	80	82	88	86	80	85	76	70	70	72	75	78	77	76	79	83	87	82	71	73	75	83	85	69	65	70	76	79.6
	Minimum	49	53	57	45	51	56	55	58	60	60	62	62	60	58	50	48	56	61	64	58	51	50	53	52	41	41	45	48	55	45	38	43	38	52.5
Maysville	Maximum	86	82	80	86	85	92	87	89	86	89	79	86	80	69	67	75	78	73	78	68	84	86	85	75	74	78	76	90	90	91	81	83	81	86	87	86	67	76	*80.7
	Minimum	57	62	43	44	53	61	62	55	54	60	63	61	47	59	52	43	56	58	63	56	45	50	62	50	39	40	47	52	51	39	36	42	36	52.5
Middlesboro	Maximum	84	81	86	89	..	89	79	78	82	81	77	81	74	76	76	86	75	74	78	76	90	90	91	81	83	81	86	87	69	67	78	74	73	73	73	73	64	72	73.4
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mount Sterling	Maximum	85	80	68	85	86	86	82	77	67	86	74	82	60	72	68	72	75	68	68	57	67	76	58	60	67	67	63	81	61	61	74	73	74	73	64	72	64	72	73.4
	Minimum	58	58	55	46	56	60	61	56	54	58	61	60	47	56	48	42	55	60	60	50	47	49	56	45	38	41	48	55	50	34	34	34	34	51.4
Quicksand	Maximum	86	83	82	90	88	92	83	85	90	85	76	84	79	73	66	75	78	73	78	72	78	85	86	75	74	78	82	84	77	65	72	76	76	76	64	72	64	72	76.3
	Minimum	54	58	55	46	56	60	61	56	54	58	61	60	47	56	48	42	55	60	60	50	47	49	56	45	41	42	46	46	45	40	46	49	50	41	37	50.0
Richmond	Maximum	78	78	76	78	80	84	78	76	78	84	77	82	77	66	64	73	75	71	76	69	83	85	87	77	73	76	82	82	74	62	74	72	76	76	64	72	64	72	76.3
	Minimum	62	65	52	52	65	67	67	60	61	62	64	64	56	60	51	51	61	64	64	50	49	59	66	49	44	47	48	62	62	54	40	40	45	50	63	42	33	52.1
Williamsburg	Maximum	86	83	84	91	86	91	79	80	82	80	82	87	77	74	73	78	74	73	78	75	80	84	85	82	84	87	87	89	84	72	78	80	82	82	64	72	64	72	80.2
	Minimum	48	56	56	46	47	58	59	56	54	59	59	69	49	53	45	56	56	63	62	57	47	49	54	50	40	40	45	50	63	42	33	52.1							

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*, °, etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville 6-28-30 1090

537.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

THE LIBRARY OF THE
AUG
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

Vol. XXXV LOUISVILLE, KY., JUNE, 1930 No. 6

GENERAL SUMMARY.

Except for a few days in the last decade, when temperatures were high, comparatively cool weather predominated. Although retarding growth, the coolness had a favorable effect in delaying drought injury in many districts. Near the middle of the month moderate to heavy rains occurred in the western counties, and in those northern counties near the Ohio River and west of the lower Licking. In much of this district these rains were the first of consequence for about a month. Moderate showers visited the central counties, and later in the month the southern and central districts. These rains did not penetrate deeply, but they started all cultivated crops to growing. Because of the large root systems developed during the long drought, corn responded with vigorous growth and rapid progress. Decided irregularity had resulted from the drought on uplands, but the crop improved generally and was in fairly good condition at the end of the month. Early tobacco made a good start but growth was slow, especially in the burley district where showers were rarely sufficient to reach the deep roots. Attempts were made to finish transplanting tobacco after the showers of the 15th, with indifferent success. In general the moisture in the soil was not sufficient, hence the high temperatures that followed killed many plants and weakened the remainder. Cloudy, showery weather was favorable for this work for a few days. The stands obtained were rarely satisfactory. The thorough cultivation of corn and tobacco, with results similar to a dust mulch, helped these crops to withstand the drought. Wheat harvest commenced near the end of the first decade, somewhat earlier than usual. Threshing followed quickly, with grain thoroughly cured. The continued dry weather greatly reduced all hay crops, killed most young clover, and retarded the growth of second crop alfalfa and clover. The rains temporarily revived pastures, after which the new growth died. Complaint of water shortage became more general in the uplands. Although corn and early tobacco averaged fairly good at the end of the month, the lack of reserve moisture in the subsoil rendered the situation of these crops critical and their need of soaking rains urgent.

TEMPERATURE.

The records of 43 stations gave an average temperature of 73.1 for the State, which is slightly below normal. Cool weather prevailed in the periods 6-11th and 17-19th and decidedly warm weather from the 21st to 25th, otherwise temperature conditions were generally seasonal. In the period 23d-25th maxima of 100° or higher were registered at many stations throughout the State. Extremes were 38° at Denton on the 1st and 104° at Bowling Green on the 23d.

PRECIPITATION.

The average of the records of 85 stations was 1.75 inches, a deficiency of 2.49 inches. In the northern and eastward along the Ohio River from 2.0 to 3.0 inches occurred. As a rule the rainfall decreased irregularly from this district outward and eastward, ranging from 1.0 to 1.5 inches in border counties near Tennessee, Virginia, West Virginia and Ohio. Showers occurred generally from the 16th to 18th, but varied greatly in amount. Periods with local showers were 7-7th, 10th-12th, 23-26th. At many stations less than one-third of the normal amount occurred, while the records of [illegible] Ohio River and [illegible] Ohio, Clark Co., and 3 stations at Cincinnati. The heaviest rains reported [illegible] the dates: 5, 6, 9, 16, 17, 20, 21, 24, 25, 26, 27.

PRESSURE AND WIND.

Stations	Atmospheric Pressure (Inches reduced to sea level) Average.	Highest	Date.	Lowest	Date.	Wind * Total movement	Mean hourly velocity	Max. Velocity Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.97	30.27	1	29.72	17	4566	6.3	30	n.	25
Cincinnati ..... Ohio.	29.98	30.34	3	29.66	17	5004	6.5	28	...	...
Evansville ..... Ind.	29.98	30.29	1	29.70	17	5406	7.0	47	sw.	25
Lexington ..... Ky.	30.01	30.36	3	29.69	17	7206	10.0	37	nw.	24
Louisville ..... Ky.	30.00	30.35	3	29.69	17	5483	7.6	35	nw.	24

*For any five minute period. †By local standard time for Louisville [illegible] January, 1923.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	Number of days with 20 per cent or less.
Cairo ..... Ill.	70	43	59	400.5	440.1	91	25	6
Cincinnati ..... Ohio.	68	43	45	361.3	445.0	81	[illegible]	[illegible]
Evansville ..... Ind.	69	45	46	344.4	445.6	78	[illegible]	1
Lexington ..... Ky.	69	50	...	327.2	443.0	74	[illegible]	[illegible]
Louisville ..... Ky.	69	43	48	366.4	443.0	83	22	5

COMPARATIVE DATA FOR JUNE.

Year	Temperature: Mean monthly average	Departure from 48-year normal	Highest	Lowest	Precipitation: Monthly average	Departure from 48-year normal	No. of days with .01 or more rain.	Average Number of Days: Clear.	Partly Cloudy.	Cloudy.	Average storm-fall.
1889	70.6	−3.2	99	38	5.97	+1.03	...	...	...	...	...
1890	77.4	+3.6	101	51	4.96	+0.71	...	...	...	...	...
1891	77.1	+3.3	97	51	3.48	+0.23	...	...	...	...	...
1892	75.8	+2.0	101	48	4.23	−0.02	...	...	...	...	...
1893	73.3	−0.5	97	46	4.64	+0.39	...	...	...	...	...
1894	77.6	+3.8	102	53	2.49	−1.55	...	...	...	...	...
1895	75.2	+1.4	101	47	3.15	−0.62	...	15	13	5	0
1896	73.2	−0.3	98	46	4.64	+0.49	10	11	12	7	0
1897	73.4	0.6	101	41	3.01	−0.64	9	11	12	4	0
1898	76.2	+2.4	101	46	3.80	+0.35	9	16	13	1	0
1899	73.1	−0.7	100	44	2.80	−1.45	7	15	11	4	0
1900	73.9	+0.1	100	49	6.34	+1.89	14	7	16	8	0
1901	73.6	+1.8	104	42	3.97	−0.28	8	15	9	6	0
1902	73.4	0.4	101	39	4.75	+0.56	11	13	11	6	0
1903	72.6	−0.2	96	45	3.61	−0.64	11	14	9	7	0
1904	73.2	−0.6	99	48	3.11	−1.11	11	14	9	7	0
1905	74.8	+1.0	100	46	4.29	+0.24	12	16	8	6	0
1906	73.9	0.1	100	42	3.26	−0.78	11	14	8	8	0
1907	70.2	−3.6	95	41	4.81	+0.66	11	12	9	9	0
1908	73.3	−0.4	102	46	4.50	+0.11	7	15	9	6	0
1909	74.5	+0.7	99	48	5.05	+0.74	14	10	11	9	0
1910	77.0	+3.2	99	50	5.20	+0.89	16	15	11	4	0
1911	75.0	+1.4	103	45	5.00	+0.85	16	14	8	8	0
1912	73.4	−0.6	95	48	3.48	−0.77	10	14	8	8	0
1913	73.3	−1.2	107	45	2.87	−1.38	10	9	8	13	0
1914	72.2	−4.5	108	46	2.30	−1.95	8	13	8	9	0
1915	74.7	+2.1	95	42	4.79	+0.54	12	15	9	6	0
1916	73.2	−0.2	103	43	4.34	+0.09	13	13	9	8	0
1917	72.9	−0.5	100	39	4.56	+0.35	11	15	9	6	0
1918	73.6	−1.9	100	44	2.76	−1.45	11	11	8	11	0
1919	71.9	−1.6	100	46	5.76	+1.55	14	11	11	8	0
1920	73.4	+1.6	101	44	5.76	+1.17	11	11	7	12	0
1921	72.8	0.0	99	42	4.29	+0.34	12	16	7	7	0
1922	71.2	−1.4	99	42	4.98	+0.14	12	12	8	10	0
1923	73.0	−3.2	107	38	2.66	−0.93	9	15	7	8	0
1924	74.2	−2.2	98	42	3.45	−1.78	8	15	7	8	0
1925	72.4	−3.4	98	42	4.13	−1.12	13	14	8	8	0
1926	73.6	−3.6	98	43	4.47	−0.78	12	13	8	9	0
1927	73.1	−2.1	97	48	3.11	−0.14	9	10	11	9	0
1928	73.1	−0.7	101	48	1.76	−2.49	6	19	7	4	0

Climatological Data for June, 1930.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.						Precipitation in inches				Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	26	73.8	−0.4	102	23	42	1†	42	2.22	−0.95	0.64	0	7	26	1	3	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	26	74.0	−1.4	99	23	44	6	36	2.13	−1.46	0.90	0	6	10	19	1	sw.	Brick Southworth.
Earlington	Hopkins	420	40	74.4	−1.2	100	23	48	1	41	2.13	−1.66	0.77	0	8	23	6	1	sw.	P. H. McGinnis.
Fords Ferry, Dam 50	Crittenden	386									3.60	.....	1.14	0	8	.....	.....	.....	.....	.....
Greenville	Muhlenburg	519	12	*73.3	−1.6	99*	23	41a	1	45*	1.89	−2.12	0.61	0	5	19*	10*	0*	s.	C. R. Lovell.
Hopkinsville	Christian	524	34	74.8	−0.7	100	23	44	1	41	2.74	−1.54	0.66	0	8	10	6	14	se.	W. E. Graves.
Lewisburg	Todd	....	1	75.8	.....	102	22†	45	9	39	1.75	.....	1.21	0	6	12	18	0	sw.	B. Sallee.
Lexington	Ballard	....	1	75.8	.....	102	22†	48	8	26	1.42	−2.16	0.40	0	6	20	7	3	e.	B. C. Paris.
Marion	Crittenden	571	32	74.8	−0.2	98	23	48	8	26	1.36	−2.37	1.15	0	2	25*	4*	0*	sw.	Mrs. C. R. Sowell.
Maysfield	Graves	364	21	*76.6	+1.9	102b	22	48b	2†	38b	1.36	.....	0.65	0	3	13	13	4	s.	Harry B. Arnold
Murray	Calloway	412	4	73.0	.....	101	22	39	1	44	1.35	.....	0.60	0	7	24	0	6	s.	Henry S. Berry.
Owensboro	Daviess	479	33	72.4	−1.9	97	28	45	1†	36	2.11	−1.64	0.81	0	7	.....	.....	.....	.....	George McGlemary.
Owensboro, Dam 46	Daviess	404	2								1.92	.....	0.85	0	7	.....	.....	.....	.....	.....
Paducah (near)	McCracken	516	13	75.0	−2.0	102	25	45	9	37	2.30	−1.58	1.77	0	4	22	8	0	se.	J. W. Lilley
Paducah	McCracken	341	41								3.10	−1.75	2.10	0	3	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	23	73.3	−1.6	97	23	45	1	36	2.91	0.66	1.25	0	9	15	13	2	s.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	384	13								2.24	−1.51	0.80	0	9	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	19	73.7	−1.2	102	23	42	1	43	0.56	−2.94	0.22	0	4	22	6	2	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	2								3.89	.....	1.50	0	8	.....	.....	.....	.....	H. R. Sale
Central Division.																				
Addison, Dam 45	Breckinridge	352	2								2.75	.....	0.90	0	6	.....	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	700	29	71.2	−0.8	97	23	42	8	41	1.55	−2.17	0.64	0	4	19	11	0	sw.	C. E. Barret.
Bardstown	Nelson	637	33	73.5	−1.0	100	23	43	1	41	1.05	−3.04	0.33	0	6	22	4	4	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	41	75.4	−0.4	104	23	45	1	40	1.38	−2.34	0.80	0	4	16	12	2	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	5								1.87	.....	1.45	0	6	.....	.....	.....	.....	Jas. R. Hines.
Brownsville, Lock 6‡	Edmonson	410	13								0.95	−1.95	0.44	0	6	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	13								1.48	−2.64	0.65	0	7	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	31								0.87	−3.06	0.51	0	2	.....	.....	.....	.....	Shelby Angel.
Gil Spring, Dam 86	Campbell	489	4								0.83	.....	0.58	0	8	.....	.....	.....	.....	Bert Ross.
Dix Dam, Burgin	Mercer	770	6	73.8		98	23	44	1	40	2.55	.....	1.33	0	7	20	8	2	sw.	G. D. Glass.
Eubank	Pulaski	1177	36	71.6	+0.2	98	23	41	1	41	2.64	−1.44	0.72	0	7	19	3	8	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	35	73.1	−0.5	99	24	45	1	35	0.91	−3.22	0.70	0	4	22	3	5	w.	Sidney Wood.
Franklin	Simpson	641	35	76.6	+1.4	103	23	45	1	39	1.20	−2.45	0.40	0	4	22	3	5	w.	M. E. Johnson.
Greensburg, Lock 3	Henry	449	19								1.05	−2.98	0.40	0	5	.....	.....	.....	.....	Albert Purvis.
Grant, Dam 88	Boone	780	9								1.65	.....	1.03	0	4	.....	.....	.....	.....	W. T. Dugan.
Harrodsburg	Mercer	881	37	72.9	−0.4	100	23	42	1	41	2.45	−2.10	0.98	0	9	5	2	23	se.	Mrs. Bettie R. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	28								1.34	−2.68	0.50	0	7	.....	.....	.....	.....	Miss Lulu Wood.
Irvington	Breckinridge	646	32	73.8	−0.1	96	23	46	9	33	3.15	−0.76	1.08	0	6	21	5	4	sw.	W. J. Piggott.
Junction City	Boyle	985	35	73.7	+1.6	95	23†	40	1	43	2.51	−1.17	0.72	0	11	19	7	4	se.	Caroline Grubbs.
Lancaster	Garrard	1032	4								1.95	.....	0.65	0	7	.....	.....	.....	.....	L. J. Vanhook.
Leitchfield	Grayson	655	34	73.2	−0.0	98	23	45	1	35	2.32	1.41	1.05	0	4	16	12	2	w.	H. H. Willis.
Lexington	Fayette	989	46	72.8	+0.6	95	23	47	8	28	1.89	−2.16	0.88	0	5	19	9	2	sw.	U. S. Weather Bureau
Litchfield-Eskman, Lock 8¶	Jessamine	523	19								1.16	−3.30	0.80	0	5	.....	.....	.....	.....	Horace Carter.
Lockport, Lock 2	Henry	476	20								2.33	−2.13	0.59	0	5	.....	.....	.....	.....	Andrew J. Keenan.
Louisville	Jefferson	525	57	73.7	−1.0	97	23	49	8	27	1.77	−2.05	0.80	0	9	13	13	4	s.	U. S. Weather Bureau.
Do (Cherokee Park)	Do.	534	20	71.4	−1.0	94	23	45	2	39	1.98	−2.11	1.15	0	7	18	8	4	sw.	Wm. I. Hunt.
Madisonville	Hart	600	6	.....	.....	.....	.....	.....	.....	.....	0.99	−4.61	0.38	0	4	.....	.....	.....	.....	A. G. Hubbard.
Marksbury	Marion	777	35	72.0	−0.7	100	23	42	1	40	3.72	−0.31	1.66	0	6	27	0	3	.....	Sisters of Loretto.
St. John	Nelson	490	16								1.32	−3.78	0.42	0	6	.....	.....	.....	.....	Ernest M. Searcy.
Sanders, Lock 5¶	Mercer	900	33	71.2	−0.5	96	23	43	8	38	1.61	−1.98	0.60	0	5	5	20	1	s.	E. B. Wilson.
Scott¶	Kenton	825	41	71.8	−0.5	98	23	43	1†	35	2.07	−2.33	0.88	0	7	21	2	7	s.	Miss Ruth Ratta.
Shelbyville	Shelby	489	28	70.8	−1.7	97	23	49	1	42	2.17	−2.09	0.83	0	7	21	5	4	s.	E. D. Bourne.
Taylorsville	Spencer	526	12	.....	.....	.....	.....	.....	.....	.....	3.21	−1.32	0.96	0	5	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5¶	Anderson	948	27	74.4	+3.2	101	23	45	8	40	3.21	0.32	0.91	0	3	21	5	1	s.	Miss Nettie B. Simpson.
Williamstown	Grant	503	13	.....	.....	.....	.....	.....	.....	.....	1.48	−2.38	0.75	0	6	.....	.....	.....	.....	H. J. Lewis.
Woodbury, Lock 4‡	Butler										1.08	2.60	0.31	0	6	.....	.....	.....	.....	.....
Eastern Division.																				
Ashland	Boyd	534	13	72.6	−1.8	103	25	42	1	41	0.89	−2.65	0.27	0	6	23	0	8	s.	Curtis Purvis.
Beattyville	Lee	650	26	70.4	−2.3	99	23	41	9	47	1.44	−3.10	0.56	0	7	8	11	14	s.	Robert S. Smallwood.
Berea	Madison	1079	25	73.4	+0.5	98	23	42	1	38	1.02	−3.54	0.38	0	8	19	5	6	w.	Chas. C. Graham.
College Hill, Lock 11	Madison	601	20								1.67	−2.36	0.72	0	7	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	12								1.24	−2.08	0.90	0	4	.....	.....	.....	.....	P. H. Kehoe.
Dorton	Pike			69.4		97	24	38	1	43	1.63	.....	0.45	0	7	22	7	1	.....	James Sowards.
Falmouth	Pendleton	600	41								2.18	−1.72	1.51	0	3	.....	.....	.....	.....	A. V. Oldham.
Farmers	Rowan	565	22			101	24				0.59	−3.28	0.41	0	5	22	5	3	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	3								1.83	.....	0.95	0	4	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	14								0.38	−2.22	0.31	0	5	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	559	5								1.27	.....	0.65	0	6	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	9								1.19	−3.17	0.65	0	7	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	2	70.8		100	24	40	1	47	1.49	.....	0.50	0	6	17	10	3	sw.	W. W. Duffield.
Henry	Henry	869	6								1.89	.....	0.72	0	9	.....	.....	.....	.....	Chas. O. Ihrig.
Hazard	Perry	1197	2								1.82	2.45	0.64	0	8	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	664	13								1.67	.....	0.66	0	9	.....	.....	.....	.....	R. R. Davidson.
Jenkins	Letcher	1566	5								1.32	−2.47	0.50	0	6	.....	.....	.....	.....	Russian Cegley.
Louisa	Lawrence	584	26								1.95	−3.28	0.79	0	9	.....	.....	.....	.....	J. L. Manning.
Manchester	Clay		10								0.76	−3.19	0.41	0	5	17	8	5	s.	Perry E. Bennett
Maysville	Mason	504	33	72.8	−0.4	102	23	44	1†	46	0.76	−3.19	0.41	0	5	18*	10*	0*	.....	Matthew Woodson.
Middlesboro	Bell	1198	34	*72.8	+0.4	100b	24	.....	.....	.....	1.98	−2.51	0.85	0	5	22a	6*	1a	w.	W. R. McKee.
Mount Sterling	Montgomery	930	40	*71.6	−0.8	102a	24	42a	1†	44a	1.05	−3.80	0.28	0	5	.....	.....	.....	.....	Andrew M. Stanforth.
Oneonta, Dam 35	Campbell	497	8								1.73	.....	1.08	0	4	.....	.....	.....	.....	Robert Reposs.
Pikeville	Pike	635	24								1.22	−3.17	0.66	0	4	.....	.....	.....	.....	F. C. Hall.
Prestonsburg	Floyd	640	5								1.28	.....	0.48	0	6	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breathitt	782	5	70.6		100	24	39	1	48	1.60	.....	0.40	0	5	.....	.....	.....	.....	Walter P. Bush.
Raceuna, Lock 12	Estill	631	12								1.47	−2.89	0.52	0	4	.....	.....	.....	.....	J. W. Crooke.
Richmond	Madison	926	39	73.8	−0.3	98	23	1	9	37	1.97	−1.98	1.20	0	7	18	6	6	.....	Thos. Sullivan.
Ridley View, Lock 9	Madison	541	12								0.89	3.63	0.47	0	8	.....	.....	.....	.....	H. M. Fannin.
Ransburg, Dam 82	Lewis	525	15								1.56	−1.88	0.70	0	3	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	1142	5								2.62	.....	1.50	0	5	.....	.....	.....	.....	Lawrence R. Uhl.
Williamsburg	Whitley	939	33	71.8	−2.0	101	23†	40	1†	46	1.06	3.86	0.45	0	4	29	1	0	.....	Jessie Hicks.
Willow Lock 13	Lee	611	11								0.83	−4.39	0.40	0	3	.....	.....	.....	.....	.....
State averages and or means				73.1	−0.7	104	23	38	1	48	1.76	−2.49	2.10	0	6	19	7	4	s.	

All temperature data are taken from self registering thermometers. Precipitation data are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

For example, 0 represents two days, etc.

References letters, *, †, ‡, appearing in the table indicate number of days missing; T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

* Also on other dates. †† Received too late to be included in means and summaries. a Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

¶Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8 Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

June 18.—Buildings destroyed by lightning; residence near Winchester, loss $8,000; barn near Milton, loss $3,000.

June 24.—Windstorms damaged electric lines, timber, buildings, and crops in Henry and Mason counties.

June 25.—Wind damaged buildings, crops, and power lines in Henderson and Christian counties.

Rivers.—Stages were uniformly low during the month.

Errata for April, 1930.

Marion, departure precipitation from normal −2.60

Daily Precipitation for June, 1930.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
ver Dam	G					.06						.20			.45	.16				.64	.15				.50							2
houn	G											.14			.90	T.				.34	1			.20		.44			T		2
rlington¶	G						.10					.11			.77	.02	T.			.87		.02			.2	.40					2
rds Ferry, Dam 40	O					T					T.	.22	1.13		1.14	.02	.07			.25	T	.03				.53			T		2
enavilla												.16			.38	.61				.40				T		.2					2
pkinsville¶	C					.66						.06	T.		.82	.66				.09	T	.61			.33	.07					2
rrodsville	M			.02										T.	1.21	T					.03				.17	.14			.3		1
rton	O												.20		.83					.49	.29				.15	.16					1
rfield	M														1.15																1
rray	T				.40										.82	.66															1
ensboro	O					.11							.11			.81	T			.35	.42					.9			T		2
ensboro, Dam 46	O					.11							.15			.85	.02			.24	.36				T.	.14					1
dueah (near) ¶	O											.18			1.77										.10	.25					2
dueah	O											T.	.30		2.10					T						.70					8
neston	O				.36							.18			.02	1.25	.05		T.	.18	.27			T	.50				.10		2
ney, Lock No. 2	G					.12						.06	.08			.80	.18			.38	.07				.22	.37					2
sville	G					.66														.12					.16	.22					1
nontown, Dam 49	O					.25							.46			.85		.30		.36	.11				.05	1.50					3
Central Division																																
dison, Dam 45	O					.46						T				.40				.37	.45				.90	.30					2
chorage	O					I										.64	.45			.43				.08							1
rdstown	S					.08				.06						.07				.20	.33				.18						1
wling Green	S					.03										.23				T.	.32				.80						1
wling Green, No. 2	S					.01	.07									.15				.05	.14			1.45							1
wnsville, Lock No. 6	G					.44	.24								T.	.89				.21	.33				.34						1
rnside						.17	.12									.17	.05			.12	.65				.39	T					1
rrollton (Lock No. 1)	S																.51								.36						0
ld Spring, Dam 36	O					.21										.04	.58														0
k Dam, Burgin	K														.17	.04	.19		.06	.07				.67					1	33	2
bank	C					.63	.21									.42	.26			.18	.72				.32						2
nkfort	K					T				T						T.	.12	T.		.05	.04										0
nklin	S				.30											.40				.15				.2	.10	.05					1
st, Lock No. 3	K									.02						T.	.26	.35		.02	T.				.40	T					1
ant, Dam 33	O					.30		T.								.03	1.03	.29							T.	T.					1
nsburg						.28	.12										.35	.03		.16	.93	.16	.10		.34						2
gh Bridge, Lock No. 7	K					.17										.04	.05	.50		.08	.06			.44							1
rrington	O					.08										1.08				.50	.70			.68		.11			T.		3
ction City	K				.05	.04				.01					.05	.20	.28	.58		.20	.72			.93	.28						2
ncaster	K					.05	.25									.08	.65			.10	.50				.32						1
rtchfield					T.											.55				1.05				.70		.02					2
xington ***	K				.88	T.			T		T.				T.	.18	.26			.07				.50		T.					1
dle Blickman, Lock No. 8	K						T										.11	.10		.05	.10				.80						1
kport, Lock No. 2	K				T				T						.05	.31	.99							.58					.40		2
rsville ***					.04	.07	T.								T	.80	.24		T.	.82	.01			.25	.03	.01	T.				1
o (Cherokee Park)						.16					T.				1.15	.10				.40	.05			.06	.02	T					1
nfordville	G															.24					.88		16	.21							0
John	S					T										.06	.15			.32	1.10		.50	1.00							2
wiss, Lock No 6	K					T										.10	.15	T.		.26	.20	.20			.42	T.					1
tt						.40	.08		.03							.80	.30									T.					1
lbyville	S					.03										.01	.43	.85		.23	.13				.88						2
lorsville						.01										.24	.02			.32	.11		.14	.83							2
rone, Lock No. 5	K						.19									.88				.18				.96					.70		3
lliamstown																	.75	.38							.33						1
odbury, Locs No. 4	C					T										.12	.28			.14	.34				.10	.10					1
Eastern Division																																
kland	O					.23	.08									.27	.17								.10	.04					0
ntyville	K				.04	.37		T.								.06	.07			.11			T.		.50				.23		1
ton	K		.01		.07											.03	.09			.19				.38	.06						1
dge Hill, Lock No. 11	K				.02	.18				.20						.12	.25				.08				.72						1
llburn	L		T.							T						.30	.02	.02					T		.90						1
rton	B		.28		.32				.02							T	.45	.87		T.				.06	.12	T		T.		T.		1
mouth																1.51	.02								.95						2
mers	L					.25				.07					.16		.16								.41							0
tingsburg	L															.22								.95					.10		1
d, Lock No. 10	K					T.	T			.11						T.	.07	.01		T.	.05				.31						0
yson	O					.04	.16										.14	.65							.20	.08						1
enup, Dam 30	O					.05		.04		.01							.13	.65							.25	.06						1
lton	C						.35										.37	.04			.18				.05					.50		1
zard	K					.72	.12										.41	.25		.04	.11			.05	.16		.63					1
delberg, Lock No. 14	K					.12	.29			.01							.08	.09			.18				.64					.48		1
kins	K		.11		.11				.07							.60	.27			.04				.11		.10			.10		1
sas	K					.25	.66										.56	.22	.06						.56							1
nchester	K					.75	.63										.42	.27		.02	.20				.04	.15		.62				1
sville	O					.01				.04						T		.41							.27		.03					0
dlesboro	C		.30														.85			.27	.41								.15		1
nt Sterling	L				.11	.21		T								.20	.25			T.					.28						1
ouths, Dam 35	O				T											.01	1.03	.54					T		.15	T.					1
eville	B					.12	.16										.55	T							.08		T					1
stonsburg	L					.37	.21										.36	.42							.14		.48					1
icksand	K					.25	.27										.40	.35							.33							1
eans, Lock No. 12	K					.16	.72									T	T	.08		T.					.51							1
hmond	K					.21	.18			.03					T	T.	.04	.16			.12				1.20							1
ley View, Lock No. 9	K		.02		.02				.02						.10	.19					.15			.01	.47							0
nesborg, Dam No. 32	O					.5												.30							.70							1
itesburg	K						.10			.10						1.50					.29				.63							2
liamsburg	C				.20	.25										.16					.45											1
low, Lock No 13	K		.20																						.40				.20			0

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

¶ Reference mark *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

Climatological Data for July, 1930.

Station	County	Elevation, feet	Length of record, years	Temperature in degrees Fahr.							Precipitation in inches				Number of days				Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, melted	With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	
Western Division.																			
[illegible]	Ohio	561	26	83.0	+ 5.2	109	28	45	8	46	0.75	−3.23	0.60	0	2	26	3	2	s.	Mrs. Lena F. Taylor.
[illegible]	Muhlenberg	457	26	82.5	+ 4.6	109	28	51	16	42	0.83	−3.89	0.16	0	4	12	19	0	nw.	W. A. Taylor.
[illegible]	Hopkins	420	40	83.2	+ 4.7	110	27	48	16	47	0.18	−3.98	0.16	0	2	27	4	0	n.	Brick Southworth.
Earlington											0.35		0.18	0	6					P. H. McGinnis.
Fords Ferry, Dam 50	Muhlenberg	386									0.69	−2.45	0.29	0	4	25	6	0	s.	C. R. Lovell.
[illegible]	Muhlenberg	512	13	81.2	+ 4.1	109	28	49	16	43	0.69	−2.45	0.29	0	4	25	6	0	s.	W. E. Graves.
[illegible]	Christian	528	34	83.0	+ 4.2	109	28	54	16	40	1.49	+2.51	0.72	0	5	15	6	10	ne.	B. Sallee.
[illegible]	Christian			83.4		112	28	48	16	54	0.00		0.00	0	1	18	13	0	n.	B. C. Parks.
[illegible]	Ballard			83.6		112	28	48	16	48	T	−3.56	T	0	0					
[illegible]	Crittenden	374	52	81.8	+ 3.9	107	12	56	3	33	T	−3.89	T	0	0	26	18	08	nw.	Mrs C. R. Sowell.
[illegible]	Union	356	21	83.4	+ 5.5	110	11	58	3	44	0.00	−3.89	0.00	0	0	16	14	7	s.	Harry B. Arnold
[illegible]	Calloway	412	4	84.9		110	27	45	16	40	T		T	0	0	23	3	5	s.	Henry S. Berry.
[illegible]	[illegible]	479	86	80.2	+ 2.6	106	28	49	16	41	0.40	−2.91	0.37	0	1					George McGlamary.
[illegible]	[illegible]	404	2								0.38		0.35	0	1					J. W. Lilley.
[illegible]	[illegible]	536	15	83.0	+ 5.0	109	27†	49	16	43	0.5	−2.85	0.23	0	2	23	8	0	nw.	Frank L. Brown.
[illegible]	Muhlenberg	536	15								0.66	−3.01	0.26	0	2					Dr. W. L. Cash.
[illegible]	Hopkins	381	34								1.06	−2.81	0.56	0	3	18	17	1	n.	Thos. L. Wetzell.
[illegible]	Caldwell	525	25	81.2	+ 3.3	105	12†	54	15†	38	0.39	−2.91	0.26	0	4					
[illegible]	[illegible]	384	14								0.42		0.23	0	4	19	6	5	s.	Wm. Shelton.
[illegible]	[illegible]	390	19	81.2	+ 3.5	108	28	50	16	39	1.07	−2.64	0.63	0	4	19	6	5	s.	H. R. Sale
[illegible]	[illegible]	357	2								0.2		0.14	0	2					
[illegible]	[illegible]																			C. L. Moore.
[illegible]	[illegible]										0.60		0.15	0	4					C. E. Barrel.
[illegible]	Logan	852	2								0.50	−3.80	0.16	0	6	26	5	0	w.	
[illegible]	[illegible]	700	29	79.8	+ 3.7	111	28	48	16	42	1.06	−2.86	0.38	0	6	24	5	2	nw.	Mrs. Emily T. Sisco.
[illegible]	[illegible]	687	23	81.3	+ 0.8	112	28	50	16	43	1.06	−2.86	0.38	0	6	24	5	2	nw.	Mrs. Lillie G. Causey
[illegible]	[illegible]	687	23	82.5	+ 1.8	113	28	50	5	42	2.84	−1.68	1.42	0	6	18	12	1	s.	Jas. T. Hines.
[illegible]	Warren	560	41	83.5	+ 4.8	113					1.69		0.93	0	7					Virgil A. Whalin.
[illegible]	Warren	459	6								1.18	−1.97	0.40	0	6					
[illegible]	[illegible]	410	13								2.12	−2.74	0.85	0	4					T. A. Lewis
[illegible]	[illegible]	373	8								1.06	−2.80	0.66	0	2					Shelby Angel.
Burnside	[illegible]	492	21								2.04		0.96	0	7					Bert Ross.
[illegible] Lock 1	[illegible]	459	4								1.22		0.58	0	3	25	1	5	s.	G. D. Glass.
[illegible]	Crittenden	720	6	81.		107	28	63	4†	37	1.22		0.58	0	3	25	2	3	s.	Mrs. Katie Payne.
[illegible]	[illegible]	1177	18	77.	+ 2.9	104	28	61	4	87†	2.56	−1.99	1.08	0	3	15	5	9	s.	Sidney Wood.
[illegible]	[illegible]	566	8	81.0	+ 4.1	105	28	53	16	37	0.16	−3.50	0.10	0	2	28	3	0	nw.	M. E. Johnson.
[illegible]	Hopkins	591	55	84.3	+ 6.5	111	28	56	16	40	1.78	−2.47	0.93	0	2	28	3	0	nw.	Albert Purvis.
[illegible]	[illegible]	449	19								1.55	−2.81	0.98	0	7					W. T. Degan.
Crest, Lock 8	[illegible]	789	9								1.16		0.46	0	7					Mrs. Rose K. H. Alcorn
[illegible]	[illegible]	561	57	81.0	+ 4.4	114	28	50	4	43	1.45	−2.28	1.19	0	4	7	5	16	sw.	Miss Lulu Wood.
[illegible]	[illegible]										1.10	−2.79	0.83	0	6					
[illegible]	Jessamine	959	45	81.3		107	28	52	16	36	1.07	−3.21	T	0	0	24	6	1	nw.	W. J. Piggott.
[illegible] Lock 7	[illegible]	646	32	81.3	+ 4.0	107	28	52	16	36	0.50	−3.80	0.48	0	3	20	11	0	s.	Caroline Grubbs.
[illegible]	[illegible]	955	48	79.4	+ 4.0	103	27	48	4	46	1.38		0.68	0	3					L. J. Yarbrook.
[illegible]	[illegible]	1032	4								0.36	−3.50	0.19	0	3	22	9	0	ne.	H. H. Willis.
[illegible]	Garrard	668	34	81.4	+ 4.8	108	28	55	4†	30	0.36	−3.50	0.19	0	5	21	9	1	sw.	U. S. Weather Bureau
[illegible]	Grayson	793	43	79.6	+ 3.7	104	28	51	15	29	0.84	−3.20	0.21	0	4					Horace Carter.
[illegible]	Fayette	893	19								0.70	−3.38	0.41	0	4					Andrew J. Keenan.
[illegible]	[illegible]	863	19								0.58	−3.22	0.41	0	2					U. S. Weather Bureau
[illegible]	[illegible]	476	20								0.26	−3.45	0.12	0	6	15	13	2	n.	U. S. Weather Bureau
[illegible]	[illegible]	525	57	81.4	+ 2.8	107	28	55	2	31	0.5	−4.02	0.17	0	3	20	11	0	s.	Wm. J. Hood.
[illegible]	[illegible]	934	26	73.2	+ 3.3	105	28†	53	2	33	0.5		0.17	0	3					A. G. Hubbard.
[illegible]	[illegible]										0.42		0.18	0	3					Sisters of Loretto
[illegible]	[illegible]	926	5								0.77	−2.79	0.35	0	4	21	7	2		Ernest M. Emery.
[illegible]	Hardin	777	85	80.6	+ 4.6	112	28	50	16†	26	0.7	−3.06	0.65	0	5					E. B. Wilson.
[illegible]	[illegible]	490	15								1.4	−1.42	0.70	0	7	15	15	1	w.	Miss Ruth Ratta.
[illegible]	[illegible]	690	32	78.3	+ 2.3	103	28	52	27	33	1.09	−3.18	0.66	0	5	12	8	8		E. [illegible]
[illegible]	[illegible]	525	61	0.4	+ 2.6	112	28	49	2	45	0.3	−3.87	0.18	0	5	27	2	2	sw.	H. R. Cranch.
[illegible]	[illegible]	1125	25	79.6	+ 3.5	105	24	47	10	42	0.8	−3.87	0.18	0	5					H. R. Cranch.
[illegible]	[illegible]	527	12								0.46	−2.84	0.35	0	6	25	4	2	s.	Miss Nettie B. Simpson
[illegible]	[illegible]	548	27	81.	+ 6.	110	28	50	15	26	0.55	2.25	0.62	0	4					B. J. Lewis.
[illegible]	[illegible]	988	13																	
[illegible]	[illegible]																			Curtis Jarvis.
[illegible]	[illegible]	834	14	79.	+ 8.7	107	28	52	4	30	1.37	−2.75	0.55	0	8	23	0	11	sw.	
[illegible]	[illegible]	660	56	77.	+ 1.7	103	28	46	3	41	2	−2.05	1.27	0	6	5	3	8	w.	Robert S. Smallwood
[illegible]	[illegible]	679	2	80.	+ 6.8	104	28	55	3	37	1.31	−2.74	0.76	0	6					Chas. C. Graham.
[illegible]	[illegible]	631	20								2.1	9	0.60	0	4					Emily Weiden
[illegible]	[illegible]	684	12								6.69	−2.61	0.90	0	7					E. H. Rehoe
[illegible]	[illegible]			78.2		109	28	47	4	42	1.6		0.97	0	6	21	10	0		James Sowards.
[illegible]	[illegible]										0.51	−2.71	0.90	0	5					J. V. Oldham.
[illegible]	[illegible]	640	41								1.5	−2.84	1.00	0	3	27	7	3	e	Mrs. R. P. Stamper
[illegible]	[illegible]	503	22	79.8	+ 5.9	103	28	55	17	42	1.5		0.85	0	4					C. A. Glascock
[illegible]	[illegible]	941	3								0.8		0.45	0	7					John A. Watkins.
[illegible]	[illegible]	593	14								1.3	−3.4	0.6	0	6					Col. Frank Peters
[illegible]	[illegible]	589	8								1.56		0.76	0	6					T. Mitchell.
[illegible]	[illegible]	1180	3								1.7	−2.97	0.65	0	7					W. W. Dudfield.
[illegible] Dam 30	[illegible]	540	3								2.44		0.97	0	6	14	1	7		Chas. C. Bragg.
[illegible]	[illegible]	1180	3	77.	2	102	28	53	4	34	2.44		0.97	0	6					Chas. C. Bragg.
[illegible]	[illegible]	509	6								2.75		0.65	0	10					S. C. Cole.
[illegible]	[illegible]	554	17								2.45	−1.77	1.04	0	5					R. R Davidson.
[illegible]	[illegible]	566	5								2.78		0.95	0	10					Rosa Lee Casey
[illegible]	[illegible]	564	6								0.9	−2.62	0.23	0	5					J. L. Manning.
[illegible]	[illegible]										2.06		1.06	0	7					Perry E. Bennett
[illegible]	[illegible]	524	33	79.2	+ 2.4	104	28	48	4	44	1.17	−3.18	0.48	0	4	21	6	4	s.	Matthew Woodson
[illegible]	Mason	1123	34	77.	+ 2.6	110	28	48	3	46	3.01	−1.46	0.99	0	6	18	1	2	w.	W. R. Melton.
[illegible]	[illegible]	937	60	79.	+ 3.3	109	28	54	15†	34	1.5	−3.41	1.05	0	0					Andrew M. Stanforth
[illegible]	[illegible] cemetery	437									1.56		0.76	0	6					[illegible]
[illegible]	[illegible]	437									1.12	−2.96	0.68	0	5					[illegible]
[illegible]	[illegible]	536	24											0	7					[illegible]
[illegible]	[illegible]	540									0.42		0.16	0	5					W. W. Jones.
[illegible]	[illegible]	782		78.		102	28	48	4	46†	1.22		0.48	0	4					Walter E. Fields
[illegible]	[illegible]	522									0.84	−3.38	0.48	0	4					J. W. Crouse
[illegible]	[illegible]	906	39	80.	+ 4.1	105	28	55	30	34	2.33	−2.54	1.45	0	6	21	4	5		Chas. Sullivan.
[illegible]	[illegible]	541	15								1.14	−2.97	0.60	0	6					H. M. Bessin
[illegible]	[illegible]										0.4	−3.2	0.40	0	4					C. H. Zimmerman
[illegible]	[illegible]	1042	5								2.67		1.25	0	8	29	1	1		Lenore [illegible]
[illegible]	[illegible]	940	33	79.	+ 1.7	104	29	56	3	43	3.06	−0.56	1.23	0	8					Irene Reed.
[illegible]	[illegible]	941	31								1.31	−2.80	1.10	0	6	21	7	3	s.	
[illegible]	[illegible]			80.	+ 3.	114	28	55	30	39	1.25	−3.6	1.04	0						

[illegible] Dam 49 [illegible] 1 [illegible] 1 [illegible] 1

Daily Precipitation for [illegible], 1930.

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
[illegible]																																

Daily Temperatures for July, 1930.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.	Maximum	88	84	83	89	101	99	96	101	102	102	105	104	94	91	84	90	95	99	97	100	104	92	95	93	101	106	107	109	103	96	92	96.9
Beaver Dam	Minimum	71	55	45	50	55	73	74	68	69	70	70	70	75	62	55	77	70	81	85	75	89	72	71	64	65	72	75	85	71	67	67	69 1
	Maximum	87	80	85	89	93	98	95	102	103	102	106	107	96	90	83	91	95	98	95	120	102	93	94	93	99	105	107	109	104	96	92	96.7
Calhoun	Minimum	69	57	52	56	59	77	75	70	73	75	72	72	76	61	57	51	58	57	70	74	74	73	71	74	68	77	76	79	78	69	72	68 3
	Maximum	86	82	86	93	100	99	100	102	104	102	105	107	103	83	85	92	98	102	98	102	104	98	97	94	100	108	110	109	103	99	93	98.2
Earlington	Minimum	70	59	51	53	57	72	70	68	71	74	71	75	78	63	57	48	51	58	66	75	77	75	71	69	71	69	72	76	77	69	68	68.8
	Maximum	86	82	86	93	100	99	100	102	104	102	105	107	103	84	82	89	94	98	95	99	101	95	96	94	97	102	108	109	100	96	91	96.6
Greenville	Minimum	70	59	51	53	57	72	70	68	71	74	71	75	78	63	57	48	51	58	66	75	77	75	71	69	71	69	72	76	77	69	68	68.9
	Maximum	88	80	84	91	98	98	98	101	102	101	105	107	103	94	82	89	94	97	94	98	100	94	95	93	101	105	107	109	103	96	92	97.9
Hopkinsville	Minimum	67	57	54	51	56	73	75	66	69	71	68	70	72	61	56	49	51	57	64	73	72	74	68	70	68	73	72	75	75	74	73	68.0
	Maximum	88	83	88	94	100	101	101	103	104	102	103	103	103	100	88	85	90	95	99	94	100	101	97	99	99	98	103	108	109	106	101	99	96	100.0
Lovelaceville	Minimum	68	60	60	57	60	73	75	70	72	73	70	73	70	63	59	54	58	59	66	65	69	72	72	71	73	73	75	75	74	73	70	68.9
	Maximum	89	85	89	95	101	101	101	105	107	109	108	111	107	86	85	92	97	102	104	102	103	96	98	98	98	103	105	106	101	98	95	100.2
Marion	Minimum	64	56	54	59	62	71	70	70	70	71	71	73	75	63	54	48	53	59	71	71	72	71	68	68	68	73	74	80	79	73	71	68.4
	Maximum	92	87	91	97	99	103	102	106	105	108	110	108	104	100	87	95	98	100	101	101	101	98	97	101	105	108	110	108	104	100	93	98.4
Mayfield	Minimum	64	58	53	53	61	73	71	70	70	73	72	74	76	65	56	53	55	63	72	73	76	77	71	69	71	69	72	77	78	75	74	68.3
	Maximum	88	83	87	94	93	100	100	101	103	103	105	109	104	90	85	94	95	100	98	100	101	98	95	100	101	106	110	108	104	100	93	98.4
Murray	Minimum	61	56	47	52	55	66	69	64	66	69	67	70	73	65	57	45	49	52	60	68	68	67	67	67	70	73	74	80	79	70	71	66.7
	Maximum	84	80	82	87	95	98	96	98	101	100	103	103	100	89	81	88	92	96	94	96	97	94	92	94	97	101	104	106	101	97	94	96.2
Owensboro	Minimum	65	56	58	56	57	73	74	69	70	74	72	71	68	60	57	49	52	56	68	72	71	73	68	68	66	73	74	80	79	73	71	67.8
	Maximum	86	84	87	94	100	98	98	104	103	103	106	107	96	87	84	92	94	95	103	102	100	93	95	94	97	100	103	105	97	94	94	94.0
Paducah (near)	Minimum	66	58	54	57	60	74	71	70	71	76	72	75	77	65	54	49	53	65	74	74	76	73	70	70	72	75	77	83	81	75	73	68.4
	Maximum	84	78	83	89	95	97	95	98	99	99	102	105	97	84	80	87	91	97	95	97	100	92	94	91	98	102	103	105	97	94	92	96.4
Princeton	Minimum	69	60	58	58	60	72	75	70	72	74	71	74	76	63	58	54	54	59	67	73	71	74	72	71	73	78	75	75	75	72	71	68.4
	Maximum	87	80	85	90	99	..	..	..	102	102	98	107	97	81	82	82	92	98	101	100	100	93	97	93	96	104	107	108	104	98	98	*66.9
Russellville§§	Minimum	67	63	52	54	57	73	..	..	..	..	72	70	73	71	62	58	51	53	62	70	69	72	77	69	70	70	70	77	79	71	73	67
Central Division.	Maximum	86	80	82	89	96	95	95	98	100	98	98	102	92	83	85	90	96	98	100	101	101	90	91	90	99	103	107	111	99	96	93	95.0
Anchorage	Minimum	65	59	58	56	58	69	68	63	68	69	67	70	73	65	57	45	52	56	68	73	70	68	62	63	72	72	72	69	66	62	64	64.5
	Maximum	90	81	85	92	94	96	97	99	98	100	98	106	88	85	86	93	97	99	101	102	103	92	94	95	103	107	109	112	104	99	95	96.9
Bardstown	Minimum	66	59	54	54	56	68	70	68	68	71	64	72	74	62	54	50	54	60	68	74	71	72	71	67	68	74	75	76	76	78	68	66	66.1
	Maximum	91	85	89	94	101	103	100	101	104	103	95	105	98	88	85	91	94	99	100	100	101	96	100	97	103	107	109	111	103	101	99	94	95.2
Bowling Green	Minimum	65	60	56	57	59	75	75	69	71	75	74	73	72	62	59	56	58	62	70	69	72	76	72	73	72	72	77	80	76	72	70	68.8
	Maximum	85	80	81	88	96	93	93	98	98	98	98	98	92	89	84	91	96	95	99	98	98	89	92	93	101	97	103	107	98	96	92	94.6
Dix Dam	Minimum	65	58	56	58	66	67	67	63	65	71	67	74	71	65	57	53	57	65	72	75	72	78	72	66	74	76	78	83	79	75	73	67.5
	Maximum	85	83	81	88	96	93	93	98	98	96	96	99	102	87	82	83	89	91	92	91	96	96	92	90	92	98	96	103	106	99	94	88	*91.7
Eubank	Minimum	65	58	56	58	66	67	67	63	65	71	67	74	71	65	57	53	57	65	72	75	72	78	72	66	74	76	78	83	79	75	73	68	68.9
	Maximum	87	82	80	86	96	95	94	96	95	96	96	99	102	87	82	83	89	91	92	91	96	96	92	90	92	98	96	103	106	99	94	91	94.5
Frankfort	Minimum	64	56	55	51	58	58	71	56	59	60	62	67	71	63	56	58	55	65	65	65	70	68	66	66	68	73	74	76	78	69	68	67	67.4
	Maximum	87	83	80	86	96	95	94	96	95	96	95	98	101	99	89	85	93	95	100	101	100	99	94	93	96	100	101	106	105	94	91	93.8
Franklin	Minimum	70	56	57	55	59	70	71	62	67	72	70	74	76	66	57	53	58	63	68	74	73	75	73	70	73	74	76	78	78	69	68	67	68.7
	Maximum	92	86	89	93	102	103	101	103	102	102	97	106	103	93	86	90	97	100	102	100	102	100	99	97	103	107	111	108	103	98	95	97.4
Greensburg	Minimum	70	62	57	57	62	77	75	69	73	78	69	74	74	64	60	56	58	64	70	74	71	74	74	73	76	79	79	79	79	75	69	69.5
	Maximum	87	82	82	90	98	94	99	99	101	101	92	105	94	89	84	91	92	98	101	101	103	99	101	99	103	106	110	114	105	98	95	97.4
Irvington	Minimum	64	57	52	50	55	64	71	62	64	69	66	70	75	60	56	52	55	59	65	66	69	73	71	68	67	70	72	77	72	69	61	64.0
	Maximum	84	81	80	86	96	95	95	97	99	99	99	102	90	85	81	87	92	96	97	99	100	90	89	89	98	102	105	107	103	93	91	93.8
Junction City	Minimum	67	56	56	56	60	75	74	69	73	73	69	74	77	63	57	52	54	59	66	70	75	76	75	74	72	68	66	75	80	83	79	69	70	68.4
	Maximum	86	82	84	88	97	97	96	99	97	99	94	103	93	86	81	88	93	95	99	100	100	95	96	96	102	103	106	102	103	96	93	94.9
Lancaster	Minimum	62	55	51	48	51	69	70	59	61	68	63	68	73	59	55	48	50	53	61	68	74	73	72	70	75	77	78	83	81	74	70	70	68.0
	Maximum	84	80	82	87	97	95	94	97	100	99	95	105	93	86	81	88	93	97	99	100	101	91	94	91	99	103	107	108	100	95	90	94.1
Leitchfield	Minimum	66	59	56	55	58	72	74	68	73	75	69	72	78	65	58	50	53	57	63	73	72	75	73	71	68	74	79	81	74	70	67	68.7
	Maximum	86	82	84	90	98	96	96	98	99	99	96	104	93	87	83	89	93	97	99	100	101	91	94	91	99	103	107	108	100	95	90	94.0
Lexington	Minimum	66	56	56	55	57	73	72	67	69	76	73	72	77	66	60	54	61	70	69	70	74	76	75	73	74	71	72	72	71	74	66	69	68.8
	Maximum	85	81	83	88	97	97	96	98	97	97	96	97	101	89	77	80	86	94	94	96	98	99	89	88	89	97	101	104	107	94	92	88	92.2
Louisville	Minimum	68	58	58	58	59	75	75	71	73	77	71	75	77	66	60	57	60	63	70	75	77	79	76	75	73	73	72	78	79	81	76	67	70	70.4
	Maximum	86	82	84	88	94	94	95	97	97	98	97	101	89	77	80	86	94	94	96	98	99	89	88	89	97	101	104	107	94	92	88	92.3
Do (Cherokee Park)	Minimum	66	56	58	62	66	78	75	71	73	77	71	75	77	66	60	57	60	63	70	75	77	79	76	75	73	73	72	78	79	81	76	67	70	70.4
	Maximum	82	81	79	84	91	92	93	94	95	96	95	98	90	87	79	84	90	93	98	97	99	86	87	87	95	98	101	104	97	94	91	91.4
St. John	Minimum	68	58	54	56	60	71	72	66	70	74	69	73	72	63	58	54	57	62	69	74	75	74	71	66	68	76	74	79	81	74	70	68.7
	Maximum	92	78	81	90	95	101	100	101	103	103	99	105	90	90	82	90	94	100	103	106	105	94	100	100	102	108	109	112	105	99	96	97.5
Scott	Minimum	64	58	57	57	58	67	70	62	67	68	64	69	70	58	54	50	53	54	67	70	69	69	67	64	68	74	75	76	74	74	65	64	66.6
	Maximum	85	77	79	82	94	92	92	92	93	94	93	96	88	76	78	86	93	95	98	98	98	91	91	91	97	96	95	103	90	89	86	90.0
Shelbyville	Minimum	67	59	55	52	61	70	68	59	66	72	68	73	76	65	59	54	58	64	68	74	76	76	70	67	68	73	74	78	77	75	68	68	68.5
	Maximum	87	81	80	87	97	94	95	95	96	98	96	99	92	82	83	89	91	92	96	97	98	92	93	92	98	101	104	108	100	98	92	92.3
Taylorsville	Minimum	65	49	53	53	59	66	68	62	65	68	65	70	73	62	56	51	53	59	64	68	71	72	68	66	67	72	73	77	75	73	69	67	65	65.1
	Maximum	84	80	82	87	95	94	94	95	97	97	96	97	90	81	80	87	90	93	95	97	98	90	91	90	97	100	102	104	97	95	91	91.4
Williamstown	Minimum	67	59	52	48	55	63	65	63	66	68	67	70	73	62	56	51	53	58	65	69	70	72	69	67	68	73	74	77	76	73	70	68	67.3
	Maximum	89	82	85	91	98	97	98	99	100	99	96	103	95	90	84	92	95	98	98	98	98	94	95	94	98	100	102	104	100	97	93	93.4
	Minimum	65	51	52	54	63	73	69	62	68	72	64	69	73	60	50	55	59	65	71	75	74	72	70	65	66	74	71	75	73	69	66	64.1
Eastern Division.	Maximum	86	82	80	88	96	96	94	99	98	99	104	100	94	90	84	91	96	99	103	105	102	99	94	96	101	99	92	107	97	93	93	94.4
Ashland	Minimum	68	62	56	52	56	68	66	64	68	70	64	70	71	70	65	54	53	56	68	69	73	74	73	68	70	69	70	72	74	70	68	61	64.1
	Maximum	84	83	83	91	96	94	95	97	95	93	96	103	86	80	83	91	95	96	101	99	94	95	95	101	97	99	104	99	94	94	94	94	94.1
Beattyville	Minimum	62	55	52	47	52	62	69	53	56	66	56	66	66	64	51	45	50	51	62	60	66	66	65	66	66	68	72	68	68	68	65	67	67.6
	Maximum	87	81	82	88	95	94	96	96	98	95	95	102	91	84	84	90	93	94	99	99	98	94	92	94	96	97	99	101	98	94	94	93	94.1
Berea	Minimum	61	55	49	47	53	59	65	59	64	64	56	63	65	65	56	45	50	54	67	66	66	66	65	66	66	68	70	68	68	68	65	67	67.6
	Maximum	84	81	78	84	93	94	95	92	91	91	93	98	88	82	82	88	92	94	98	98	96	94	95	96	98	96	100	98	96	96	94	92	94.0
Dorton	Minimum	61	55	49	47	53	59	65	59	64	64	56	63	65	65	56	45	50	54	67	66	66	66	65	66	66	68	70	68	68	68	65	67	67.6
	Maximum	..	..	..	..	..	..	..	..	..	96	95	100	101	89	83	82	..	94	92	99	100	99	96	94	95	100	91	96	105	90	94	92	94.0
Farmers	Minimum	..	..	..	..	..	..	..	..	..	73	67	62	69	69	59	56	..	55	65	63	67	69	75	70	72	69	68	67	65	66	68	68	68.6
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	95	96	94	95	90	94	95	96	102	88	78	86	92	94.1
Harlan§§	Minimum	61	57	51	49	52	57	65	55	55	65	58	66	68	67	55	45	49	52	60	58	63	67	67	65	67	67	65	64	63	70	68	61	64.1
	Maximum	86	83	81	87	95	98	94	95	96	94	100	100	94	87	83	91	97	97	101	103	101	97	97	100	98	98	101	94	93	96	94	93	94.0
Maysville	Minimum	66	57	50	48	55	63	67	64	68	69	62	68	70	65	52	50	53	59	67	69	73	73	72	69	67	70	72	69	67	70	68	66	66.8
	Maximum	..	90	87	95	93	96	98	98	97	98	99	104	91	82	85	77	92	90	92	93	93	92	88	91	97	98	98	93	94	91	95	94	94.1
Millersburg	Minimum	..	54	48	43	53	57	64	56	54	63	59	64	67	60	54	51	55	56	66	69	70	72	69	66	66	70	69	68	68	68	64	64	63.4
Mount Sterling	Minimum	66	58	57	58	58	71	71	66	69	73	69	73	75	66	60	56	58	63	70	74	75	77	74	72	71	74	75	77	76	74	72	69	69.5
	Maximum	89	87	83	88	97	95	..	97	91	95	97	102	86	83	85	91	93	95	97	100	98	96	96	96	98	98	100	102	98	96	94	94	95.9
Quicksand	Minimum	63	55	50	46	51	63	..	51	55	66	55	64	67	60	54	49	52	54	64	67	70	71	70	68	68	70	70	72	71	70	68	66	65.9
	Maximum	84	80	82	87	94	93	95	97	96	97	96	100	90	82	83	90	92	94	99	100	98	93	94	93	98	99	101	104	100	97	94	94	96.3
Richmond	Minimum	64	58	55	55	60	73	74	65	68	74	71	73	74	65	57	57	57	63	71	70	74	76	77	74	72	73	73	78	77	77	74	71	70.9
	Maximum	86	84	84	91	98	98	97	96	97	99	97	104	103	83	84	90	92	91	96	98	96	94	93	93	98	100	104	106	102	99	98	96	97.4
Williamsburg	Minimum	62	55	51	50	55	59	66	53	55	64	53	64	69	64	55	56	59	63	61	61	66	71	68	67	65	66	70	69	68	69	69	67	64.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* ** etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. R. C. Latshaw, Observer.

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

THE LIBRARY OF THE
SEP 29 1930
UNIVERSITY OF

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXV LOUISVILLE, KY., AUGUST, 1930 No. 8

GENERAL SUMMARY.

The severity of the drought was mitigated locally by showers, but in no section was the rainfall sufficient to break it and restore normal growing conditions. High temperatures in the last decade hastened the deterioration of the crops and intensified the suffering of animals from water shortage. Good showers in the second week brought some relief to a broad belt across the bluegrass and northeastern counties, but in only a few localities were they sufficient to cause much growth of crops or furnish pastures to any marked extent. Moderate to heavy rains, the best since May 20th, occurred in most districts except the extreme southwestern counties during the third week. These rains started pastures and alfalfa in localities where they were heaviest, or where they followed heavy showers of the previous week. Corn on bottoms and some late upland corn, also cowpeas and soybeans, were benefited. Most corn was already beyond relief, but considerable improvement occurred in those southeastern counties where the drought was less severe and the crop had not been irreparably damaged. As usual, with tobacco, the improvement was more pronounced than in the case of any other crop. The top leaves enlarged and spread with a doubling of the size of most plants. This renewed growth stopped cutting and delayed ripening for three weeks or more. Tomatoes that survived bloomed and set new fruit, with promise of a partial crop. Late forage crops were sown immediately after the rains, and came up at once. The domestic water supply was considerably increased. Rather low temperature in the following two weeks assisted in conserving the moisture. In the last two weeks only light showers occurred and toward the end temperatures again rose above normal. The meager supply of moisture, confined to the surface layers, was rapidly depleted, and growth became practically stationary. The stock water that had collected was soon exhausted, with the return of the situation that existed before the rains. Pastures were green in various localities, but furnished little or no grazing; while the districts between the green areas remained as bare as before. Cutting and feeding the half-dried corn stalks, the last available food for stock, continued generally; and sacrifice selling of stock, which the rains had checked, numbers to suspend, was resumed.

TEMPERATURE.

Reports from 42 stations gave an average of 76.5°, which is 2° above normal. Maxima rivaling those of the preceding month occurred in the first decade in central and western districts. Relief from the extreme heat followed in the relatively cool weather from the 11th to 25th. The extremes were 104° on the 5th at St. John and 42° on the 12th at Farmers.

PRECIPITATION.

Reports from 83 station show a State average precipitation of 2.7 inches, which is 1.48 inches less than normal. The Big Sandy Valley and a few localities in the valleys of the Licking and Green received normal rainfall; but in most of the State it varied between 1.0 and 3.0 inches. In much of the western and south-central counties, and in the eastern bluegrass region amounts were less than 2.0 inches. The western bluegrass region received about 2.5 inches. Local showers occurred in the periods 6-11th, 17-18th, and 21st-24th. Rains were general, and in places moderate to heavy, from the 12th to 15th. Monthly amounts ranged between 5.40 inches at Flemingsburg and 0.32 inch at Murray. Days with thunderstorms were: 5, 6, 7, 8, 9, 10, 11, 16, 17, 21, 22, 31.

PRESSURE AND WIND.

Stations	Atmospheric Pressure (in inches reduced to sea-level) Average	Highest	Date	Lowest	Date	Wind Total movement	Wind Average hourly	Wind Highest velocity	Wind Direction	Wind Prevailing direction
Cairo	30.01	30.25	12	29.81	14	4949	6.7	32	N.	N
Cincinnati	30.04	30.31	12	29.81	9	5586	7.5	37	NW	N
Evansville	02	30.26	12	29.83	9	4994	6.8	32	N	N
Lexington	30.05	30.30	12	29.86	9	6726	9.1	54	NW	N
Louisville	30.04	30.31	12	29.84	9	5285	7.1	62	NW	N

SUNSHINE.

Stations	Red. to inches.	Sunshine. Total hours of Sunshine	Sunshine. No. of hours possible	Sunshine. Percentage of possible	Number of days with. 80 per cent or more of possible	Number of days with. 20 per cent or less of possible
Cairo	111.	421.0	455.0	85	23	4
Cincinnati	[illegible]	278.0	425.3	66	12	4
Louisville	104.	264.6	421.7	71	5	2
Lexington	Ky.	252.6	421.7	60	9	3
Louisville	Ky.	303.4	421.7	74	14	4

CLIMATIC DATA FOR AUGUST.

Year	Temperature: Monthly Average	Departure from 4-year normal	Precipitation: Total for month	Departure from 40-year normal	Days with .01 inch or more	Days with .10 inch or more	Days with .50 inch or more	Average Number of Days: Clear	Partly cloudy	Cloudy
1889	70.6	5.0	160	42	1.23	−2.50				
1890	73.2	2.4	101	44	2.26	−1.48				
1891	72.0	3.7	165	43	3.42	+1.66				
1892	75.4	−0.2	96	45	2.52	−0.70				
1893	71.7	+3.5	99	44	2.24	−1.00				
1894	73.7	+1.5	96	44	2.52	−0.70	5			
1895	70.7	+4.5	102	49	2.35	−1.58	6	16		
1896	73.1	+2.1	165	44	3.82	+0.89	9	12		
1897	73.3	+1.9	160	43	3.93	+1.00	12	13	14	3
1898	73.2	+2.0	169	43	4.33	+1.40	11	14	16	
1899	68.5	+6.7	168	50	3.86	+0.93	9	13	18	
1900	69.4	+5.8	164	52	2.74	−1.01	12	14	10	
1901	70.5	+4.7	101	50	5.12	+1.25	7	12		
1902	73.6	+1.6	163	44	3.48	−1.26	8	15		
1903	73.2	−0.1	106	49	3.27	−0.16	8	15		
1904	73.1	+0.1	109	45	2.71	−0.72	8	13		
1905	73.1	+0.1	99	42	3.52	+0.09	10	13		
1906	73.4	+1.8	164	45	3.57	+0.23	10	13		
1907	76.0	−0.8	99	48	4.27	+0.56	7	15		
1908	76.2	+0.7	164	49	2.71	−0.01	8	15		
1909	76.0	−0.3	103	45	2.60	−0.12	8	15		
1910	74.9	−1.4	166	46	2.72	−1.01	10	18		
1911	76.2	+0.6	106	46	1.63	+0.2	11	15		
1912	75.2	+0.2	98	43	1.73	+0.2	12	15		
1913	73.3	+2.1	168	45	3.61	+1.8	7	16		
1914	76.0	+0.4	166	49	5.84	+2.41	14	14	3	
1915	71.3	+4.3	160	42	6.29	+2.85	3	19	9	
1916	77.0	+1.4	103	47	4.95	+0.52	9	14	8	
1917	77.6	−1.0	169	42	3.49	−0.24	7	15	9	
1918	80.2	+4.0	111	50	3.18	−0.55	11	14	6	
1919	75.6	−0.6	104	47	3.40	−0.04	18	17	6	
1920	73.4	−2.2	68	43	0.80	−2.67	10	20	16	11
1921	76.0	+0.4	101	48	5.28	+1.85	6	16	6	4
1922	75.2	0.4	101	47	2.46	−1	12	16	6	4
1923	77.4	+2.2	99	45	6.05	+2.6	3	18	6	4
1924	75.1	−0.1	169	46	4.17	−3.28	13	12	5	6
1925	77.1	+1.9	97	47	3.45	−0.44	9	14	8	4
1926	75.1	−0.1	101	47	3.89	−0.00	11	15	5	5
1927	76.1	+0.9	100	46	3.68	−0.21	8	15	8	4
1928	76.2	+1.0	101	46	4.06	−1.83	11	15	5	6
1929	76.5	+1.3	102	46	4.45	−1.44	9	15	7	5

Climatological Data for August, 1930.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	26	77.4	+ 1.0	110	8	51	2†	48	1.61	−1.70	0.69	0	3	24	1	6	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	427	26	76.6	+ 1.2	109	8†	55	22	40	2.84	−0.81	1.83	0	3	6	24	1	sw.	W. A. Taylor.
Burlington	Hopkins	420	40	78.5	+ 1.4	109	9	53	13	46	3.35	+0.18	2.15	0	3	23	5	3	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	386									0.78		0.51	0						W. D. Hatcher.
Greenville	Muhlenburg	519	18	76.9	+ 0.2	109	9	52	13†	46	1.94	−2.82	1.30	0	3	21	10	0	s.	C. R. Lovell.
Hopkinsville	Christian	524	34	80.0	+ 2.1	111	9	55	24	43	1.05	−2.39	0.56	0	5	12	11	8	so.	W. E. Graves.
Lovelaceville	Ballard	....	1																	H. Sallee.
Marion	Crittenden	571	32	77.4	− 0.6	108‡	10	53‡	23†	47‡	1.80	−1.42	1.30	0	3	12‡	12‡	3‡	w.	B. C. Paris.
Mayfield	Graves	364	21	*80.4	+ 3.0	110‡	9	54‡	24	43‡	1.02	−2.65	0.56	0	2	7	15	9	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	4	77.4		109	8†	47	24	50	0.32		0.21	0	2	19	7	5	s.	Harry B. Arnold
Owensboro	Daviess	479	53	75.8	− 0.5	105	8†	53	25	40	1.42	−1.94	1.00	0	5					Henry S. Berry.
Owensboro, Dam 46	Daviess	404	2								1.23		0.86	0	4					George McGlemary.
Paducah (near)	McCracken	516	13	80.0	+ 0.8	112	9	54	22†	41	2.59	−2.27	2.17	0	3	21	6	4	nw.	J. W. Lilley
Paducah	McCracken	341	41								2.96	−0.50	2.48	0	2					Frank L. Brown.
Paducah	McCracken	529	23	77.2	− 0.1	106	9	55	24	36	2.20	−1.12	1.16	0	4	9	21	1	n.	Dr. W. L. Cash.
Princeton	Caldwell	554	13								2.71	−1.58	1.42	0	3					Thos. L. Wetzell.
Rumsey, Lock 2	McLean	390	19																	Wm. Shelton.
Russellville	Logan	357	2								1.63		0.80	0	3					Earl Holder.
Uniontown, Dam 49	Union																			C. L. Moore.
Central Division.																				
Addison, Dam 45	Breckinridge	852	2								0.92		0.56	0	5					C. E. Harret.
Anchorage	Jefferson	760	29	76.4	− 0.3	107	8	47	12†	44	1.66	−1.94	0.97	0	10	23	8	0	sw.	Mrs. Emily T. Sisco.
Bardstown	Nelson	767	53	77.7	+ 0.7	109	6	52	2	48	2.45	−1.28	0.48	0	10	20	4	7	sw.	Mrs. Lillie G Causey.
Bowling Green	Warren	500	41	79.2	+ 0.9	110	9	55	24	40	2.09	−1.68	0.79	0	4	12	13	6	s.	T. Rone
Bowling Green, No. 2	Warren	459	5								1.72		0.81	0	4					Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	410	18								1.83	−2.27	1.18	0	5					T. A. Lewis
Burnside	Pulaski	778	39								1.15	−3.05	0.60	0	3					Shelby Angel.
Carrollton, Lock 1	Carroll	422	81								2.60	−0.81	0.88	0	3					Reuben Hartley.
Cold Spring, Dam 35	Campbell	459	4								1.23		0.34	0	10					C. W. Williams.
Dix Dam, Burgin	Mercer	770	6	76.7		105	6	50	12	42	2.45		1.18	0	7	18	13	0	sw.	Mrs. Katie Payne.
Eubank	Pulaski	1177	36	74.6	− 0.8	103	6†	43	2	48	1.60	−2.74	0.64	0	4	24	3	4	n.	Sidney Wood.
Frankfort	Franklin	560	58	76.8	+ 1.7	102	8	52	12	38	2.05	−1.67	0.58	0	9	20	4	7	w.	M. E. Johnson.
Franklin	Simpson	601	15	80.4	+ 3.6	110	9	57	24	42	2.30	−1.24	0.85	0	4	26	5	0	n.	Louis Shiddell.
Gest, Lock 8	Henry	449	19								2.87	−1.65	0.80	0	11					H. W. Sprague.
Grant, Dam 38	Boone	780	9								1.82		0.67	0	10					Mrs. Belle K. H. Alcorn.
Greenbrier	Green	531	37	77.6	+ 1.7	110	8†	49	2	49	1.72	−2.40	0.98	0	9	8	2	26	sw.	Miss Lulu Wood.
High Bridge, Lock 7	Jessamine	850	28	78.0	+ 1.9	105	8†	55	24	36	1.47	−2.58	0.46	0	6					W. J. Piggott.
Irvington	Breckinridge	646	32	78.0	+ 1.0	106	6	45	12	46	1.88	−2.09	0.50	0	6	15	10	6	sw.	Caroline Grubbs.
Junction City	Boyle	956	55	75.5	+ 1.0	106	6	45	12	46	1.88	−1.67	1.03	0	8	13	15	3	se.	Anderson.
Lancaster	Garrard	1032	4								1.82		0.67	0	6					
Leitchfield	Grayson	685	34	77.8	+ 2.2	107	8†	54	22	42	1.74	−2.15	0.67	0	5	14	16	1	e	H. H. Willis.
Lexington	Fayette	959	46	76.2	+ 1.7	99	8	56	12	32	1.69	−1.76	0.83	0	11	14	12	5	ne.	U. S. Weather Bureau
Littlelickman, Lock 8	Jessamine	823	19								1.99	−2.68	0.56	0	6					Horace Cutter.
Lockport, Lock 2	Henry	476	20								2.81	−1.27	0.78	0	10					Frank Litch.
Louisville	Jefferson	526	57	77.8	+ 0.8	102	8	57	12	30	1.20	−2.22	0.79	0	7	10	19	2	n.	U. S. Weather Bureau
Do. (Cherokee Park)	Do.	534	20	75.6	+ 1.1	102	8	53	12	35	1.29	−2.50	0.93	0	6	14	16	1	ne.	Wm. I. Hunt.
Munfordville	Hart	590	5								2.04	−0.71	1.62	0	2					A. G. Hubbard.
St. John	Hardin	777	35	76.4	+ 1.5	113	5†	50	2†	49	1.05	−1.90	0.63	0	10	22	4	5		Sisters of Loretto.
Salvisa, Lock 6	Mercer	490	15								1.58	−1.85	0.55	0	6					Ernest M. Searcy.
Scott	Kenton	900	32	74.8	− 0.0	100	4	51	12	38	2.73	−1.14	1.36	0	6					E. B. Wilson.
Shelbyville	Shelby	525	41	75.6	+ 0.4	104	4†	50	23	38	2.41	−1.10	0.66	0	12	12	2	17	n.	Miss Ruth Ratta.
Taylorsville	Spencer	489	28	74.8	+ 0.2	104	6	46	12	44	2.62	−1.25	1.32	0	9	15	11	5	n.	E. D. Bourne.
Tyrone, Lock 5	Anderson	526	12								3.04	−0.71	0.95	0	10					H. K. Vaughn.
Williamstown	Grant	948	27	78.0	+ 3.8	106	8†	51	13	42	1.80	−2.30	1.00	0	6					Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	533	13								2.37	−2.13	0.83	0	8	21	4	6	w.	H. J. Lewis.
Eastern Division.																				
Ashland	Boyd	554	13	75.2	− 0.8	105	4	47	13	44	3.75	−0.53	0.83	0	9	13	4	14	w.	Jacob Armbruster.
Beattyville	Lee	650	26	73.2	− 1.9	102	4	44	12	47	2.23	−2.19	0.74	0	7	4	17	10	w.	Robert S. Smallwood.
Berea	Madison	1079	25	77.0	+ 2.6	106	6†	47	12	38	1.85	−2.73	0.65	0	8	8	13	9	w.	Chas. C. Graham.
College Hill, Lock 11	Madison	691	20								2.81	−1.39	1.90	0	8					Kelly Walden
Cynthiana	Harrison	634	12								2.68	−1.90	1.10	0	7					P. M. Kehoe
Dingus	Pike			75.0		102‖	4†	45‖	13	47‖	5.27		1.50	0	9	16‖	6‖	0‖		James Sowards.
Dwale	Pendleton	600	41								2.07	−1.71	0.93	0	10					J. C. Oldham
Falmouth	Pendleton	666	22	672.9	− 0.9	103‖	4	42‖	12†	49‖	2.85	−1.67	0.82	0	6	19‖	6‖	3‖	e.	Mrs. R. F. Stamper.
Farmers	Rowan	866	22								5.40		1.90	0	10					C. A. Glascock
Flemingsburg	Fleming	541	3								1.87	−2.65	0.52	0	11					John A. Walters.
Ford, Lock 10	Clark	593	14								2.53		0.76	0	8					Col. Frank Powers.
Grayson	Carter	559	5								3.79	+1.21	0.80	0	9					T. Mitchell.
Greenup, Dam 30	Greenup	540	9								3.69		1.65	0	6				sw.	W. W. Duffield.
Harlan	Harlan	1197	2	71.8		105‖	8	48‖	2	44‖	1.79		0.84	0	9					Chas. O. Ihrig.
Hazard	Perry	859	6								2.28	−2.24	0.81	0	9					S. C. Cole.
Hoskinsberg, Lock 14	Lee	654	13								3.30		1.27	0	9					R. R. Davidson.
Jenkins	Letcher	1566	5								3.93	+0.04	1.15	0	10					Russian Copley.
Louisa	Lawrence	544	26								3.03	−1.46	0.70	0	6					Leonell H. White.
Manchester	Clay		10								1.89	−2.17	0.55	0	10	7	14	10	s.	Perry E. Bennett
Maysville	Mason	524	33	76.0	− 0.4	104	4	47	12	44	2.09	−2.17	0.80	0	5	16*	11*	1*		Matthew Woodson
Middlesboro	Bell	1123	24	678.6	+ 0.6	105‖	8	46‖	13	42‖	3.22	−0.83	0.98	0	8					W. R. McKee.
Mount Sterling	Montgomery	930	49	673.5	− 0.5	104‖	6	47‖	12	41‖	1.91		0.37	0	9					Otto Riddle.
Oneonta, Dam 35	Campbell	427	5								5.16	+1.09	1.86	0	6					Robert Repass
Pikeville	Pike	636	24								2.57		0.98	0	8					E. C. Ball.
Prestonsburg	Floyd	640	5	73.7		104	8	45	11†	49	2.95		0.58	0	6					R. W. Jones.
Quicksand	Breathitt	732	5								1.22	−3.35	0.46	0	6					Walter P. Bush.
Ravenna, Lock 12	Estill	631	12								2.19	−1.41	1.05	0	9	22	4	5		J. W. Crooke.
Rosemond	Madison	906	39	77.5	+ 2.0	102	6	53	12	34	3.46	−0.67	1.22	0	11					Thos. Sullivan.
Valley View, Lock 9	Madison	541	12								2.10	1.85	0.67	0	8					H. M. Fannin.
Vanceburg, Dam 32	Lewis	525	15								2.25		0.80	0	6					G. H. Zimmerman.
Whitesburg	Letcher	1142	5								2.87	−1.79	1.90	0	3	28	3	0		Lawrence R. Ohl.
Williamsburg	Whitley	930	33	74.4	− 1.6	104	9	43	2	52	1.35	−2.61	0.45	0	5					Jessie Hicks.
Willow, Lock 13	Lee	611	11								2.25	−1.48	2.48	0	7	16	0	6	n.	
State averages and extremes				76.8	− 0.9	113	5‖	42	12	52										

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining station or division means.
Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. ** Received too late to be included in means and summaries.
¶ Post-office addresses.

‖Hunnewell, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
§ Precipitation is less than 0.01 inch rain or melted snow.
T. Precipitation is less than 0.005 inch rain or melted snow.
§Lone Oak, McCracken Co., Ky.; Lock 4, Nicholasville, Ky.; Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock A, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

Aug. 7.—A farmer was killed when lightning struck his barn near Centertown.

Aug. 8.—Windstorms damaged light and power systems, telephone and telegraph lines, and blocked highways with fallen trees in the central bluegrass region. Lightning destroyed a racetrack barn at Lexington with a loss estimated at $50,000. Thirteen horses were burned to death. A windstorm at Louisville damaged roofs and wiring systems and injured three persons. The loss was estimated at $50,000. There was also a loss of $5,000 to aeroplanes at Bowman Field.

Aug. 9.—Barns were burned by lightning in that vicinity and near Pine Grove.

Daily Precipitation for August, 1930.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																														
ver Dam	G													.67				.69														1.36
lhoun	G									T		T.	T.	.96		1.23	.05													2	1.81
rlington	G													.84		2.18	.26													1	2.54
rds Ferry, Dam 60	O									T				.61			.17	.10													1.05
nerville	G													1.30		.61														1	1.91
pkinsville	C									.11				.56			.25	.11												60	1.04
rgaw ville	M																													2	2.00
rton	O								.25				1.80				.20														2.25
rfield	M																														1.80
rray	T.	T.						T.					.21	T.	.46	.11	.66														1.44
rrodsburg	O						.02		.05	T.				1.00				.33				T.								1	0.32
rrodsburg, Dam 46	O						T.			.02	T.			.86				.32				T.								60	1.42
shland (near)	O									.20							2.17	.23												60	1.28
shland	O									.48				T.				2.48												1	2.69
thens	G						T.		.86			T.	T.	1.16			.46													1	2.68
ubrey, Lock No. 2	G													.92			.87	1.42												.22	2.20
ardstown	O																														2.71
ardstown	O													.80			.17	.56													
Central Division																														T	1.46
dison, Dam 46	O						.10			.06	.14			.56								T									0.92
horage	O					.02	.03		.02	.06				.97			.10	.04			.14	.09	T							.05	1.66
ddstown	S						.02	.45		.12	.06			.47	.48			.02				.48	.11							.18	1.44
rling (Green	G							T						.79			.28	.50				T								.32	1.89
rling (Green, No. 2	G													.81			.17	.50												.52	2.09
wnsville, Lock No. 6	G							.07						.54			T.	1.13				.06								.04	1.72
nside	C													.20	.86			.60			T.		T							.03	1.69
rollton (Lock No. 1)	K							.26	.42	.84				.88																.03	1.15
d Spring, Dam 36	O						.34	.02		.03	.01			.25	.05			.08			T	.03		.02						.20	2.00
Dam, Burgin	K					1.18	.17		.25				.41	.29			T			.05		.10								.02	1.27
mak	C							.29						.31	.64			.36													2.45
milton	K					T.	.03	.06	.58	.31	T.			.45	.49			.03			T.	T	.05	T.							1.40
milton	O													.55			.60	.80												.03	2.03
t, Lock No. 3	K					.20		.22	.10	.12	.02			.80	.14			.14				.01	.10	T.						.65	2.20
n, Dam 33	O		T.			.67	.08	T		.12	T.			.27	.06			.18			.03	T.		.05	.10				T.	.52	2.47
nsburg	G							.05		.02	.01			.31	.07			.98			T.	.15		.61						.28	1.72
h Bridge, Lock No. 7	K					.29	.46			.17				.37	.17						.01									.12	1.72
ighton	O					T.	.17			.22				.50			.27				T.	T.	.07								1.47
ction City	K						.45		.18	.09			1.08	T.			T.	.07			.06	.06	T.	.01						.15	1.36
nter	K							.12		.22				.58	.67			.01				.22									1.82
rlisle	G						.06			T				.67			.26				T.		.05								1.73
rlington	K				.06	.06	.19	.12	.07	.07			.02	.81		T.	T.				.06	.06	.17							T.	1.69
rlisle, Lock No. 8	K					.56	.17	.20	T.					.50	.29						T.		.25								1.99
rkport, Lock No. 2	K			.28		.09		.24					.78	.14			.48					.15	.15	.05	.05					.40	2.81
rrollton	O		T.	T.	T.		T.		T.	.02				.79			.12	.02			T.	.03	.01						T.	.01	.17	1.50
o. (Cherokee Park)	O			T.	T.	T.		.01	.08					.93			.10				T.	.08	T.								1.29
nford ville	G													.42	T.		1.62														2.04
ston	S					.55	.07		.03	.09				.63				.19				.06	.15	.02						.18	1.95
ston	K				.05	.06	.19	.12	.07				.02	.81		T.	T.				.06	.06	.17							T.	1.69
ston	K					.55	.25		.16					.48	.36			T			T.			T.						.26	1.98
ville	L		T.	1.36	.05	T.		.08						.42			.05	.12			T.										2.72
rsaille	S						.10	.42	.10	.03				.26	.66			.08			.10	.04	.23	.01							.23	3.41
rsaille	S				.09	.33			.33					1.32			.02				.0	.08	.07							.29	4.42
ckstown	L					.80	.03	.61						.75				.10			.15	.06	.05		.08					.18	3.04
dbury, Lock No. 4	G					.08			.21					1.00	.15							.02		.05	.11					.15	1.80
Eastern Division						T			T.					.65			.05	.81					.08							.85	2.37
dand	O				T.	.14	.80		.04					.40	.39	T.	.58					.83	.18	.80								3.75
tzville	K					.80	.74		.29					.23	.53							.03			.17					T	2.29
on	K						.02		.18					.65			.02				.01	.49	.38	.10								1.85
rdens	L				1.90	T	.10	.15	.08					.24	.39			T			T	.05	.04		T.					T.	2.81
ton	B		.29	.12	.02	.24		1.55						.83							.65		.03		T.						2.66
mouth	L			T	.07	.15		.25						.98	.10			.05			.02	.24								.18	5.27
mers	L				.46		.59	.21						.82	.58							.10									2.07
nchburg	K			1.20	.28		.11						.80	.62								.09	.30							10	5.40
yson	O				.26	.08	.03	.12	T.					.44	.02			.06			.06	.24	.03	.01	T						T	1.57
nup, Dam 30	O					.02	.75	.41						.72	.84			.05				.41	.02	.06								2.53
ton	O					.59												.80				.60	.05	.18						.04		3.70
ord	K												T	1.12			1.05		T	.30	.17	.03									2.68
lsberg, Lock No. 14	K							.09	.02					.20	.67			.12	.04			.32	.05	.10								1.70
kins	K					.35	.84		.21					.24									.06							T		1.66
ton	K				.14	.02			.54				.16	.76		.04	.08				1.27		.28									2.80
chester	K				.02	.63	.20		.07					.40	1.15			.06				1.05	.08	.02									3.01
ville	O						.14							.31	.71			.50				.05	.08	.16	.35								2.13
desboro	C				.35	.12	T		.32					.57	.40			.01			.01	.11			.03						.43	1.89
nt Sterling	L					.10								.74				.20			.47		.04									1.41
ssa Dam 35	O					.16	.08		.36					.84	.27			.23				.35	.12									1.81
ville	B			T.	T.	.29	T		.11					.36	.14			.07			.11	.37	T		.12				T.	.37	1.91
nesboro	B					.72			1.24					.22	.80						T	1.80		.26								5.15
ckard	K				T.	T	.03	.04	.05					.08	.80								.07	.16	.35								2.57
enaw, Lock No. 12	K				T.	.15		.14	.05				.03	.54							.24	.21	.56									2.43
mond	K					.67		.05	.51	T.				.18	.46							T	.15									1.82
ley View, Lock No. 9	K				1.55	.13	T		.06					.25	.27			T			T.		.62	.18								2.19
ssburg, Dam No. 32	O		.01	1.22	.14	.15	.32	.01					.50	.86								.20	.01							.16	3.68
tsburgh	K				.16	.23								.15	.80			.25				.20		.10				.14				2.01
hasking	C									.40				.37	.65			.08				.21										2.31
ow, Lock No. 13	K							.10					.45	.87				1.30														2.57

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ⁽ᵂᴮ⁾) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

(C) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. ¶Long Oak

Aug. 17.—Near Jackson a group of cattle standing under a tree were killed by lightning and a companion was severely shocked near Crestwood.

Lightning.

Aug. 21.—A farmer standing on a load of oats was killed by lightning and a com- Drought.—Streams notably low, and creeks remained generally dry. The water supply of Sterling (C) began to fail and hauling by train began

Daily Temperatures for August, 1930.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	94	99	104	108	109	108	108	110	105	94	87	88	95	90	90	90	84	84	83	86	86	86	82	86	92	94	95	100	99	93	91	94.2
	Minimum	53	51	60	68	71	68	73	70	70	71	66	59	59	61	67	63	61	64	65	66	52	59	51	55	52	51	58	54	56	60	61	60.5
Calhoun	Maximum	94	97	101	105	104	106	107	109	109	99	85	85	89	89	91	88	85	82	82	84	83	81	81	84	91	91	92	98	97	90	84	90.5
	Minimum	59	57	63	72	75	74	77	75	76	74	68	66	67	67	66	64	73	66	61	64	64	65	59	66	91	90	94	98	98	88	91	93.5
Farmington	Maximum	94	101	106	106	105	106	106	108	109	101	87	85	88	89	89	90	91	88	87	84	85	83	80	83	89	91	90	94	98	95	97	63.6
	Minimum	63	66	68	72	77	77	77	77	72	70	72	59	59	53	68	66	61	61	68	62	54	61	54	54	58	54	54	57	59	59	62	68	71	63.6
Greenville	Maximum	92	99	103	104	103	103	105	107	109	88	85	85	87	88	89	89	87	86	82	84	85	83	85	88	85	89	92	97	92	86	90	91.7
	Minimum	55	54	57	72	73	70	73	72	71	72	59	59	52	67	66	61	65	67	59	55	63	55	56	52	58	56	56	56	57	64	64	62.1
Hopkinsville	Maximum	96	101	103	105	104	106	107	109	111	95	91	85	85	91	94	89	93	87	88	90	87	82	88	93	95	96	97	100	100	89	92	95.2
	Minimum	59	58	65	70	72	71	75	73	75	73	61	59	61	69	68	68	68	70	72	58	64	66	61	55	57	59	60	59	66	65	70	64.9
Lovelaceville	Maximum	98	103	104	106	104	108	108	108	113	112	96	91	85	88	89	94	89	95	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	68	69	66	73	70	70	74	72	70	72	68	59	57	65	66	62	68	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marion	Maximum	91	98	...	...	...	...	105	106	108	108	92	80	83	88	88	86	88	81	82	80	85	85	76	89	89	89	92	96	93	88	87	989.7
	Minimum	61	66	...	...	...	81	85	73	61	60	61	61	65	66	66	66	64	67	61	60	57	55	53	75	62	53	65	70	62	71	76	965.1
Mayfield	Maximum	98	103	106	104	...	104	105	109	110	106	92	87	88	93	97	90	92	89	91	90	89	85	90	93	97	98	100	101	99	89	89	965.8
	Minimum	69	60	65	75	...	72	76	78	76	74	59	56	62	68	68	65	69	67	65	57	64	57	58	54	62	67	93	94	99	90	94	964.9
Murray	Maximum	96	100	103	105	103	105	105	109	109	97	90	87	88	94	91	91	97	92	90	90	86	82	87	93	93	94	95	98	99	90	94	95.3
	Minimum	60	60	63	64	66	66	71	70	73	74	60	50	55	64	68	56	68	68	61	60	59	60	62	67	52	51	54	58	58	61	69	59.5
Owensboro	Maximum	94	98	101	103	104	106	106	107	110	109	91	85	83	87	88	85	83	79	82	79	83	76	78	85	88	92	94	95	96	96	96	89.1
	Minimum	66	66	61	60	75	70	74	71	74	71	58	61	56	63	64	63	64	63	66	61	59	62	56	58	54	53	58	58	60	61	61	62.5
Paducah (near)	Maximum	95	101	101	103	103	107	108	109	112	99	91	85	80	95	95	92	93	87	88	90	87	83	89	92	94	95	96	96	99	90	90	95.1
	Minimum	66	69	67	76	73	73	77	79	75	73	60	58	59	67	67	60	68	66	64	56	61	54	54	56	58	59	61	62	67	76	70	64.8
Princeton	Maximum	90	98	97	101	100	101	102	104	106	87	84	80	84	89	88	85	89	82	81	82	81	78	82	87	86	89	91	96	95	95	88	89.9
	Minimum	60	59	61	69	73	71	73	72	74	75	61	61	57	68	68	63	70	70	64	60	65	58	60	65	57	59	61	60	63	64	71	64.6
Russellville	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Central Division.																																	
Auburntown	Maximum	92	97	103	104	104	105	103	107	104	84	84	83	91	91	95	94	91	85	84	86	81	80	84	87	90	89	93	96	90	94	89	92.1
	Minimum	56	54	59	67	80	72	78	68	70	67	49	47	47	62	57	58	65	62	62	55	61	54	53	53	54	54	54	65	66	68	68	60.8
Bardstown	Maximum	95	100	104	107	105	109	105	105	108	97	86	87	96	95	90	93	88	88	86	88	82	79	84	88	90	91	94	98	98	94	91	93.6
	Minimum	57	52	63	68	79	71	71	70	73	69	56	47	54	66	64	63	65	67	57	53	64	56	55	55	55	57	61	67	69	71	69	61.8
Bowling Green	Maximum	95	97	102	104	104	105	105	109	110	99	88	88	90	88	92	88	86	86	86	89	87	86	89	92	92	94	96	98	98	95	93	94.1
	Minimum	60	57	64	70	72	75	78	72	76	74	60	61	59	67	67	63	66	70	58	57	64	56	58	56	56	60	59	60	62	65	63	64.3
Dix Dam	Maximum	93	96	100	102	101	105	103	103	104	95	80	84	88	84	86	93	90	83	81	86	78	77	81	87	88	89	92	95	95	94	90	91.4
	Minimum	57	54	63	72	73	72	70	73	71	70	56	50	52	67	66	64	66	67	63	66	70	58	57	56	56	56	57	58	58	57	58	62.3
Eubank	Maximum	91	96	99	100	101	103	100	100	103	85	81	86	88	93	89	88	93	81	84	81	85	78	76	80	86	89	87	92	92	92	92	89.8
	Minimum	50	48	60	62	68	66	70	69	70	69	55	52	52	64	66	58	61	65	66	69	57	56	51	54	50	50	57	58	55	58	68	59.8
Frankfort	Maximum	94	98	98	101	100	100	101	102	99	98	82	83	90	89	88	92	90	82	83	82	76	81	83	86	92	95	97	98	98	93	90	90.5
	Minimum	59	55	60	67	81	74	73	72	72	69	59	52	53	65	65	64	69	66	66	60	56	61	60	54	56	57	58	57	58	64	62	64.1
Franklin	Maximum	93	100	103	105	104	105	106	107	110	109	91	87	89	89	92	91	93	91	83	85	84	84	81	87	92	92	92	94	98	98	93	92	94.7
	Minimum	60	58	69	73	73	77	81	74	81	76	63	60	59	67	70	64	68	69	59	58	64	58	57	58	59	57	58	63	58	62	72	67	66.0
Greensburg	Maximum	95	98	104	106	107	108	106	110	110	94	86	89	97	85	91	95	82	85	85	85	83	82	85	91	92	98	98	98	98	92	92	94.3
	Minimum	62	49	58	64	70	68	74	68	71	72	55	50	53	65	64	59	61	67	53	51	58	54	55	53	53	56	59	61	91	95	90	89	91.4
Lexington	Maximum	91	95	100	102	101	104	102	105	105	100	82	85	91	85	88	90	85	83	82	83	83	81	84	87	88	91	92	96	96	92	90	90.4
	Minimum	58	59	71	74	79	76	74	74	77	70	57	57	57	68	69	64	66	68	65	58	63	57	57	55	56	58	58	62	69	67	70	64.5
Junction City	Maximum	94	95	101	103	103	106	101	105	105	94	84	85	89	76	88	91	83	85	85	87	79	76	83	87	90	90	92	96	97	93	90	91.6
	Minimum	56	48	59	68	78	72	68	72	68	71	54	45	47	65	63	58	60	66	53	51	59	53	57	49	50	54	51	55	64	60	70	59.5
Leitchfield	Maximum	91	97	102	104	103	106	104	107	107	94	82	85	91	84	88	89	78	82	83	85	84	83	86	89	90	90	93	97	98	94	89	91.7
	Minimum	60	55	67	72	75	76	77	75	75	74	58	55	56	66	64	63	64	66	59	57	63	54	56	56	56	57	58	63	67	72	70	64.0
Lexington	Maximum	90	94	96	99	92	98	97	99	99	79	77	80	87	75	85	93	85	79	80	78	80	76	80	82	86	88	90	92	92	90	87	86.5
	Minimum	63	70	70	73	77	74	72	76	67	68	57	56	61	64	66	72	69	68	59	58	59	56	57	58	58	60	58	60	67	68	70	65.9
Louisville	Maximum	90	95	99	101	100	100	99	102	101	83	79	88	88	80	88	88	79	78	83	82	80	82	86	87	88	91	93	93	89	87	88	88.4
	Minimum	64	66	72	73	81	76	76	76	73	67	59	57	58	68	63	63	71	70	65	61	61	60	58	59	61	62	65	62	67	74	66	66.6
Louisville (Cherokee Park)	Maximum	87	92	97	99	98	99	97	102	99	93	79	81	87	86	85	89	86	82	80	81	80	77	81	85	88	92	91	90	88	86	87	87.2
	Minimum	62	57	65	71	79	75	71	71	74	68	56	53	54	62	62	63	67	68	58	60	56	56	56	57	58	57	58	60	68	67	67	64.0
St. Louis	Maximum	91	99	102	107	113	118	100	111	108	96	83	87	93	84	88	90	80	81	84	85	84	83	85	92	94	97	99	101	98	94	91	93.8
	Minimum	60	55	67	72	75	76	77	75	75	74	58	55	56	66	64	66	59	60	64	68	53	55	53	54	52	53	54	54	55	58	61	67	65.9
Scott	Maximum	90	94	96	99	92	98	97	99	99	79	77	80	87	75	85	93	85	79	78	78	78	76	80	85	85	87	89	94	86	93	88	87.4
	Minimum	63	70	70	73	77	74	72	76	67	68	57	56	61	64	66	72	69	68	59	58	59	56	57	58	58	60	58	60	67	72	70	69	65.9
Shelbyville	Maximum	89	95	97	100	95	86	86	96	96	88	82	81	88	81	86	90	88	79	78	81	78	75	77	80	85	86	88	92	91	90	87	88.3
	Minimum	60	57	62	76	77	68	71	73	71	68	56	51	58	61	58	66	70	61	56	58	61	57	52	55	57	57	57	59	66	68	69	66	66.6
Smithville	Maximum	84	94	93	104	102	104	102	100	98	79	80	85	91	78	82	94	89	80	82	80	83	78	79	83	87	89	89	92	86	93	94	86	87.4
	Minimum	60	56	63	69	79	75	71	70	72	69	54	53	55	64	63	65	68	63	59	53	61	56	50	55	56	57	60	60	63	63	68	62.4
Taylorsville	Maximum	89	94	94	101	100	104	97	103	101	90	80	84	90	83	85	90	86	80	79	83	79	76	81	84	87	89	88	93	94	93	86	89.2
	Minimum	54	59	59	61	82	72	69	69	73	67	53	46	47	65	63	61	64	63	61	55	54	54	57	54	53	53	52	53	58	60	66	64	59.3
Owingsville	Maximum	95	101	103	105	98	104	105	106	106	99	83	87	93	86	90	95	85	83	83	79	80	83	88	91	90	92	97	100	96	97	93	93.0
	Minimum	62	62	64	75	80	74	71	72	73	65	54	53	51	61	60	65	68	62	56	56	60	54	55	52	54	55	56	60	64	72	64	68	62.9
Eastern Division.																																	
Ashland	Maximum	93	97	101	105	102	90	95	98	100	97	81	83	91	87	87	93	91	83	81	85	82	75	77	84	85	86	87	91	86	92	90	89.5
	Minimum	55	54	57	65	75	73	71	69	70	70	52	48	47	64	65	61	64	64	55	55	62	52	54	57	57	57	58	56	56	56	61	60	59.0
Beattyville	Maximum	92	97	100	102	97	100	100	101	101	87	81	83	88	73	86	92	85	85	83	86	72	76	80	86	87	89	92	96	96	96	97	90	89.3
	Minimum	52	56	54	62	61	65	67	67	67	51	44	45	54	67	57	58	63	62	58	56	58	56	57	57	57	57	57	57	57	57	57	57	57.9
Berea	Maximum	91	96	100	103	101	106	102	106	103	95	82	85	88	82	87	84	93	84	84	86	78	77	81	87	88	89	92	95	95	94	90	91	90.3
	Minimum	59	58	69	77	77	76	72	74	72	69	54	57	56	65	67	59	61	59	56	54	57	57	53	53	54	57	58	59	62	56	56	57	59.2
Dorton	Maximum	88	92	100	102	100	100	99	102	102	88	83	85	91	75	88	92	86	80	81	85	81	85	...	90	85	86	86	89	...	93	93	...	89.5
	Minimum	52	66	64	67	63	67	69	67	67	67	52	46	45	64	64	58	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Farmers	Maximum	93	95	100	103	99	97	99	100	96	96	80	82	88	82	87	90	89	86	81	85	81	...	80	85	80	86	86	89	...	93	93	...	856.8
	Minimum	49	48	51	59	67	71	70	67	66	66	48	42	42	64	64	56	67	64	58	54	53	57	55	58	54	54	54	54	53	56	66	65	57.5
Harlan	Maximum	...	...	92	95	...	...	...	...	105	...	...	...	...	...	...	70	89	93	85	75	81	84	68	73	84	86	88	85	87	91	93	91	90	91.0
	Minimum	55	48	53	...	...	...	...	...	...	...	...	...	...	...	...	61	66	60	67	58	54	53	57	55	58	54	54	54	53	56	66	65	61	57.5
Maysville	Maximum	93	98	101	104	100	97	98	100	102	99	80	84	91	87	89	93	91	82	87	85	80	77	80	87	88	88	87	89	95	91	89	91	89.7
	Minimum	56	54	58	67	78	73	72	71	70	67	52	47	43	66	64	62	67	66	64	62	56	54	52	55	56	56	52	52	58	58	60	61	59.7
Middlesboro	Maximum	93	94	96	94	103	108	99	105	99	93	88	86	80	78	90	...	90	76	82	87	86	80	78	91	92	92	92	92	92	53	53	53	85	1037.4
	Minimum	58	49	54	54	62	65	67	68	68	67	55	47	46	65	66	...	68	66	66	65	75	75	73	80	84	85	85	89	94	92	95	95	76	1054.4
Mount Sterling	Maximum	92	96	94	100	99	104	102	102	100	83	80	91	92	85	91	91	80	85	75	75	80	84	85	88	91	92	92	93	93	58	58	57	59	1057.9
	Minimum	55	59	64	...	72	71	68	68	69	65	51	47	50	54	60	59	62	61	55	...	58	56	50	51	52	52	53	53	58	57	57	57	56	1060.6
Nicholasville	Maximum	94	97	100	102	100	102	101	104	102	90	84	82	90	84	88	92	87	84	85	82	71	75	80	85	90	89	91	95	96	97	97	92	90	1064
	Minimum	47	62	51	57	63	67	69	65	68	68	45	56	46	62	65	57	59	65	60	49	54	57	56	75	80	86	88	88	89	93	95	94	89	1067.6
Richmond	Maximum	92	95	99	100	98	102	99	101	101	90	83	85	88	83	79	87	91	86	85	84	84	82	88	90	90	90	90	94	95	91	90	90	89	1067.6
	Minimum	62	61	71	75	76	75	72	74	74	70	70	55	56	69	66	64	69	66	57	56	62	58	56	56	61	60	60	60	64	63	63	60	61	1067.6
Williamsburg	Maximum	91	95	98	100	102	100	103	103	104	95	85	89	84	89	89	90	92	93	84	85	75	77	80	85	90	90	94	96	96	96	96	94	91	1068.2
	Minimum	63	62	66	69	68	66	68	68	70	51	45	46	65	64	65	67	55	57	52	54	56	54	53	60	74	60	61	58	55	56	57	57	58	1068.2

(1) Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(2) Data on hands respectively 2, 3, 4, 5, 6, 7, 8, 9 days missing from record.

W. S. B. (1) Louisville 9 27 30 1000

-51.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXV LOUISVILLE, KY., SEPTEMBER, 1930 No. 9

GENERAL SUMMARY.

The month began with the drought unbroken in any district, and with conditions affecting water supplies and the growth of vegetation becoming slowly worse. At the end of the first week moderate to heavy rains occurred in a strip about two counties wide along the Ohio from the lower Tennessee to the lower Licking. In a limited area these rains were heavy enough to revive pastures, renew growth of fall crops, and induce the planting of late gardens. A week later heavy rains visited the same section and spread irregularly eastward over most of the agricultural region, but diminished to only moderate intensity in the mountains. In the northern counties near the lower Ohio, these rains practically broke the drought, resulting in a marked improvement in the farm situation. Plowing became possible and preparations for seeding followed. The rains also restored growing conditions in the Green River Valley, and to a lesser degree in most of the bluegrass region. Late vegetables, potatoes and late potatoes were much benefited, rye and turnips sown in the preceding dry period germinated, and late tobacco secured a fair crop. Late corn, cowpeas, soybeans, and alfalfa developed sufficiently to produce poor to fair yields and greatly increase available feed, where practically nothing had been indicated before the rain. Cisterns were replenished and considerable stock water again collected in pools in creeks, greatly relieving this feature of the drought for a brief period, but there was no run-off to start streams or affect municipal water supplies. This phase of the water shortage became more acute as the month advanced. In the moist districts pastures improved until they were nearly meeting the needs of stock by the end of the month. Some feeding was still necessary, however, almost everywhere. Only light showers occurred in most sections during the last two weeks. The moisture, mainly confined to the surface layers, largely dried up and growth was checked. With the subsoil remaining extremely dry, fall plowing could not proceed outside of the limited moist areas, and there was insufficient water in the soil to insure germination of grain. Abundant sunshine and moderate to high temperature in the first half favored the maturing, harvesting, and curing of late tobacco, and the filling of silos with late corn. Late gardens grew well during the warm weather but were checked by low temperatures near the end.

TEMPERATURE.

An average of 72.6° was obtained from the records of 40 stations, which is 2.2° above normal. Maxima reached or exceeded 100 on a few days near the beginning and 90 in the second week. Minima but little above freezing occurred at some northern stations near the close. The extremes were 101° at Covington, Murray and Greensburg on the 2d and 38 at Olympian on the 27th.

PRECIPITATION.

The average of the records of 82 stations was 2.46 inches, a deficiency of 0.37 inch. In a relatively narrow strip along the Ohio, from one to three counties in width, extending from the Tennessee to the mouth of the Licking, and also in a narrow belt connecting this strip with the upper Green River Valley and the southern bluegrass region, the rainfall ranged from 3.0 to 5.0 inches and was generally normal or above. Other bluegrass districts received about 2.0 to 2.5 inches. In most of the southern counties, the middle Green River Valley, and the mountain counties from Perry to Pike, it was less than 2.0 inches. The rain occurred mainly as local showers, very unevenly distributed, on the 2nd, 1st-3d, 6-7th, and 25d-26th. Monthly amounts at the stations ranged between [illegible]

PRESSURE AND WIND.

Stations	Atmospheric Pressure, [illegible] inches reduced to sea level. Average.	Highest.	Date.	Lowest.	Date.	Wind.† Total movement.	Average Hourly Velocity.	Max. Velocity. Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.98	30.32	30	29.69	26	4066	5.7	30	SW.	24
Cincinnati ..... Ohio	30.02	30.27	30	29.75	26	5551	4.9	27	SW.	2
Evansville ..... Ind.	30.06	30.23	30	29.85	26	4005	6.3	38	NW.	2
Lexington ..... Ky.	30.04	30.24	1	29.72	26	4561	9.7	50	NW.	14
Louisville ..... Ky.	30.05	30.26	30	29.68	18	5188	7.2	49	W.	2

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with. 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	86	56	63	246.8	372.4	69	15	[illegible]
Cincinnati ..... Ohio	80	51	60	256.5	373.1	69	12	[illegible]
Evansville ..... Ind.	82	63	73	205.0	372.9	55	16	[illegible]
Lexington ..... Ky.	76	57	[illegible]	170.8	372.9	46	6	[illegible]
Louisville ..... Ky.	82	54	60	233.8	372.9	63	10	[illegible]

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature. Monthly average	Departure from 40-year normal	Highest.	Lowest	Precipitation. Monthly average	Departure from 40-year normal.	No. of days with .01 in or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1889 ...	72.1	+1.7	101	36	3.23	−1.60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1890 ...	67.0	−3.4	95	36	2.51	−0.12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1891 ...	69.5	−0.9	97	42	1.89	−0.94	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1892 ...	68.5	−1.9	93	38	2.68	−0.15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1893 ...	69.6	−0.8	99	35	3.21	+0.41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1894 ...	71.7	+1.3	98	37	2.71	−0.12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1895 ...	73.1	+2.8	101	37	1.10	−1.75	[illegible]	19	[illegible]	[illegible]	[illegible]
1896 ...	68.6	−1.8	100	39	3.77	+0.94	[illegible]	11	[illegible]	[illegible]	[illegible]
1897 ...	72.8	+2.4	105	31	0.21	−2.62	[illegible]	26	[illegible]	[illegible]	[illegible]
1898 ...	73.1	+2.7	103	42	4.36	−1.73	[illegible]	17	[illegible]	[illegible]	[illegible]
1899 ...	68.7	−1.7	105	27	1.66	−1.17	[illegible]	18	[illegible]	[illegible]	[illegible]
1900 ...	74.6	+3.2	102	35	4.58	−1.58	[illegible]	13	[illegible]	[illegible]	[illegible]
1901 ...	68.1	−2.3	98	33	3.57	−0.74	[illegible]	18	[illegible]	[illegible]	[illegible]
1902 ...	67.3	−3.1	97	29	1.01	−1.18	[illegible]	13	[illegible]	10	[illegible]
1903 ...	69.1	−1.3	100	32	0.91	−1.92	10	21	[illegible]	[illegible]	[illegible]
1904 ...	71.1	−0.7	99	34	2.58	−0.25	[illegible]	15	[illegible]	[illegible]	[illegible]
1905 ...	70.2	−0.2	95	36	2.61	−0.12	[illegible]	16	[illegible]	[illegible]	[illegible]
1906 ...	75.0	+2.6	95	45	4.15	+2.76	6	11	[illegible]	[illegible]	[illegible]
1907 ...	69.1	−1.3	102	35	3.00	−0.17	13	17	[illegible]	[illegible]	[illegible]
1908 ...	71.6	−1.2	101	30	1.03	−1.80	6	18	[illegible]	[illegible]	[illegible]
1909 ...	67.7	−2.7	97	32	2.51	−0.29	[illegible]	16	[illegible]	[illegible]	[illegible]
1910 ...	71.8	+1.4	95	38	4.41	+1.53	[illegible]	11	[illegible]	[illegible]	[illegible]
1911 ...	74.3	+3.9	99	40	3.71	+0.86	[illegible]	12	[illegible]	[illegible]	[illegible]
1912 ...	71.0	+0.6	102	33	2.80	−0.03	10	18	[illegible]	6	[illegible]
1913 ...	69.6	−0.8	106	29	2.49	−0.34	7	11	[illegible]	12	[illegible]
1914 ...	67.8	−2.6	95	36	2.66	−0.16	9	17	[illegible]	6	[illegible]
1915 ...	70.7	−0.3	99	32	2.32	−0.49	9	17	[illegible]	6	[illegible]
1916 ...	67.2	−3.2	88	32	3.18	−0.63	8	15	[illegible]	5	[illegible]
1917 ...	67.7	−2.7	95	[illegible]	3.36	−0.45	[illegible]	28	[illegible]	[illegible]	[illegible]
1918 ...	62.8	−7.6	92	30	2.04	−0.11	8	15	[illegible]	5	[illegible]
1919 ...	71.3	−1.1	102	36	1.49	−1.14	4	15	[illegible]	6	[illegible]
1920 ...	70.8	+0.4	96	37	3.30	+0.47	9	14	[illegible]	7	[illegible]
1921 ...	75.5	+5.1	99	45	3.37	+2.54	9	17	[illegible]	4	[illegible]
1922 ...	72.7	+2.3	103	39	2.32	−0.61	13	20	[illegible]	4	[illegible]
1923 ...	69.8	−0.6	94	39	2.84	−0.04	5	15	[illegible]	8	[illegible]
1924 ...	65.3	−5.1	87	35	3.49	+1.09	8	13	[illegible]	8	[illegible]
1925 ...	75.6	+5.2	100	47	3.44	+0.68	10	14	[illegible]	7	[illegible]
1926 ...	73.8	+3.4	98	46	3.78	+0.95	9	11	[illegible]	5	[illegible]
1927 ...	72.2	+1.8	102	37	2.37	−0.06	6	16	[illegible]	5	[illegible]
1928 ...	65.7	−4.9	90	31	0.81	−1.72	5	20	[illegible]	4	[illegible]
1929 ...	69.3	−1.3	97	35	4.09	+1.56	11	13	[illegible]	4	[illegible]
1930 ...	72.6	+2.2	101	38	2.46	−0.37	8	13	[illegible]	5	[illegible]

Climatological Data for September, 1930.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	26	73.6	+ 2.7	100	2	41	27	45	1.45	−1.23	0.60	0	4	14	5	11	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	26	72.9	+ 0.9	97	2	46	27	37	3.43	+0.71	0.95	0	9	3	26	1	sw.	W. A. Taylor.
Earlington	Hopkins	420	40	74.0	+ 2.6	101	2	47	27[a]	38	4.76	0.12	0.75	0	8	14	9	7	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356									4.82		1.07	0	10					W. D. Hatcher.
Greenville	Muhlenburg	549	13	[a]72.7	+ 1.7	[a]98	2	[a]40	27	[a]42	1.40	−1.45	0.45	0	7	[a]12	[a]17	[a]2	s.	C. R. Lovell.
Hopkinsville	Christian	524	34	75.4	+ 3.3	100	2	43	27	42	1.38	−1.80	0.70	0	7	9	15	6	se.	W. R. Graves.
Lovelaceville	Ballard		1																	B. Sallee.
Marion	Crittenden	551	32	73.0	− 0.6	97	2	45	27	35	1.73	−1.20	0.63	0	6	17	6	7	w.	E. C. Paris.
Mayfield	Graves	354	21	75.5	+ 3.5	[a]99	3	[a]45	27	[a]40	2.52	−0.73	1.03	0	5	[a]15	[a]10	[a]3	se.	Mrs. C. R. Sowell.
Maysfield	Graves	412	4	74.3		101	2	39	27	47	1.61		0.64	0	6	11	10	9	s.	Harry B. Arnold
Murray	Calloway	479	35	76.2	− 0.3	91	2	43	27	39	6.87	+3.94	2.00	0	13	13	5	12	s.	George McClemary.
Owensboro	Daviess	404	2								5.24		1.55	0	12					J. W. Lilley
Owensboro, Dam 46	Daviess	516	15	74.2	+ 1.2	98	2	45	27	36	2.91	+0.62	1.60	0	6	15	6	9	se.	Frank L. Brown.
Paducah, near S.	McCracken	341	41								5.63	+2.64	1.90	0	9					Dr. W. L. Cash.
Paducah	McCracken	529	23	72.5	+ 1.0	97	2	43	27	33	3.49	+0.51	1.94	0	13	11	12	7	s.	Thos. L. Wetzell.
Princeton	Caldwell	884	13								3.38	−0.01	1.02	0	11					Wm. Shelton.
Russellville	Logan	590	19																	Earl Holder.
Uniontown, Dam 49	Union	357	2								5.83		2.25	0	12					
Central Division.																				
Adelson, Dam 45	Breckinridge	352	2								3.56		1.68	0	7					C. L. Moore.
Ashcamp	Jefferson	709	29	70.3	+ 1.4	97[a]	2	41[a]	27	41[a]	1.59	−1.12	1.15	0	6	23	4	3	sw.	C. E. Barret.
Bardstown	Nelson	637	33	73.0	+ 2.5	100	2	41	27	41	2.47	−0.3	1.00	0	8	20	5	5	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	41	75.6	+ 3.4	99	2	41	27	42	1.41	−1.93	0.43	0	7	6	14	10	s.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	460	5								1.24		0.49	0	4					T. Rone
Brownsville, Lock 6	Edmonson	410	13								0.63	−2.85	0.51	0	6					Virgil M. Whalin.
Burnside	Pulaski	775	39								1.40	−2.11	0.50	0	6					T. A. Lewis
Carrollton	Carroll	422	24								4.45	+1.51	1.54	0	7					Shirley Angel.
Carrollton, Lock 1	Carroll	420	4								2.92		0.95	0	11					Reuben Hartley.
Cold Spring, Dam 36	Campbell	489	4								2.72		1.13	0	8	11	17	2	sw.	C. W. Williams.
Ivy Dam, Barren	Mercer	750	6	74.4		97	2	47	29	40	2.42	−1.09	1.28	0	7	23	2	5	s.	Mrs. Katie Payne.
Frankfort	Pulaski	1377	36	71.6	+ 3.1	98	2	38	27	44	1.90	−1.72	0.52	0	9	16	5	11	s.	Sidney Wood.
Georgetown	Franklin	760	38	72.6	+ 3.4	95	2	45	29	35	1.30	−1.95	0.50	0	9	16	5	11	s.	M. E. Johnson.
Greenhill	Simpson	691	35	75.6	+ 3.3	99	2	47	27	41	2.20	1.07	1.15	0	4	22	8	0	n.	Louis Shirdell.
Gest, Lock 3	Henry	449	19								3.40		1.42	0	11					H. W. Sprague.
Grier, Dam 38	Boone	780	2								5.21	+2.26	2.13	0	10	1	1	28	se.	Mrs. Bettie K. H. Alcorn
Grassmere	Grant	881	37	72.6	+ 3.0	101	2	41	27	45	2.16	0.81	0.87	0	8					Miss Ruby L. Simpson.
Hays Bridge, Lock 7	Jessamine	950	28								2.53	−0.66	0.93	0	10	11	7	12	sw.	W. J. Pigott.
Irvington	Breckinridge	646	32	72.2	+ 1.9	97	2	47	27	36	3.75	+0.68	1.30	0	6	18	10	2	sw.	Caroline Grubbs
Jamestown City	Boyle	985	36	72.7	+ 3.4	99	2	41	27	43	2.04		0.78	0	7					Anderson.
Lancaster	Garrard	1032	4								1.85	−1.02	0.71	0	8	11	15	4	sw.	H. H. Willis.
Lebanon	Grayson	735	34	77.0	+ 5.2	96	2	45	27	39	2.83	−0.27	1.39	0	7	11	8	11	sw.	U. S. Weather Bureau.
Lexington	Fayette	980	46	71.2	+ 2.7	94	2	46	27	33	2.68	−0.81	0.85	0	7					Horace Canter.
Satellite, Locks 8	Shelby	523	19								2.21	−0.68	0.93	0	8					Frank Gilch.
Lockport, Lock 2	Henry	478	20								2.35	−0.45	0.81	0	9	9	13	8	s.	U. S. Weather Bureau
Louisville	Jefferson	525	97	71.9	+ 1.4	94	2	50	27	29	3.13	+0.61	0.88	0	9	15	12	3	s.	Wm. I. Brent.
(Cherokee Park)	Do.	534	29	70.4	+ 1.3	95	2	45	29	33	1.39	−1.25	0.62	0	4					A. G. Hubbard.
Mandeville	Hart	660	5								4.10	+1.10	2.01	0	10	16	4	10		Sisters of Loretto.
St. John	Hardin	777	35	71.8	+ 2.5	96	2	41	27	42	3.56	+0.37	0.81	0	7					Ernest M. Searcy.
Salvisa, Lock 4	Mercer	490	16								3.75	+1.03	1.26	0	9	8	14	8	w.	E. B. Wilson.
Scott	Kenton	900	22	70.6	+ 0.9	92	2	43	29	31	3.75	+1.03	1.26	0	12	6	2	19	s.	Miss Ruth Ratta.
Shelbyville	Shelby	825	41	[a]71.6	+ 2.3	[a]94	6	[a]38	27	[a]40	2.06	−0.66	0.58	0	10	14	10	6	n.	E. D. Bourne.
Taylorsville	Spencer	489	28	69.7	+ 1.7	95	2	41	29	32	2.15	−1.04	0.52	0	8					H. K. Vaughn.
Tyrone, Lock 5	Anderson	523	12								3.49	+0.31	2.00	0	9					Miss Nelli B. Simpson.
Walton	Grant	903	27	72.0	+ 3.4	96	2	45	27	34	2.32	−0.61	0.54	0	9	19	5	6	w	H. J. Lewis.
Woodbury, Lock 4	Butler	553	13								1.18	1.72	0.25	0	9					
Eastern Division.																				
Ashland	Boyd	534	13	72.2	+ 1.8	95	14	42	25	36	0.68	−2.21	0.44	0	10	10	0	20	w	Jacob Armbruster.
Beattyville	Lee	690	25	71.0	+ 1.2	96	6	40	27	45	1.25	−1.85	0.47	0	9	5	11	11	e.	Robert S. Smallwood.
Berea	Madison	1070	25	75.8	+ 4.5	98	2	46	27	35	1.10	−1.86	0.32	0	8	12	9	9	w.	Chas. C. Graham.
Bighill, Lock 11	Madison	691	20								1.73	−1.06	0.45	0	7					Kelly Weldon
Carrollton	Harrison	684	12								2.19	−0.45	0.56	0	8					P. H. Kehoe.
Catawba	Fleming	840	12								2.52	−0.98	0.44	0	10					J. V. Gilliam.
Catlettsburg	Boyd-Elliott	600	41								0.68	−2.21	0.44	0	10					
Cave	Rowan	668	22	[a]72.7	+ 4.5	[a]98	2	[a]46	4	[a]48	2.48	0.62	0.89	0	6	21	3	5	e	Mrs. R. F. Stamper.
Clearfork	Rowan	841	3								1.57		0.57	0	5					C. A. Glasscock
Ellington	Clark	553	14								2.25	−1.25	0.51	0	6					John A. Wathers.
Flood, Lock 10	Clark	589	5								1.50		0.51	0	6					Col. Frank Powers.
Grassy	Carter	800	5								1.41	1.02	0.48	0	8					T. Mitchell.
Greenup, Dam 30	Greenup	540	9								1.43		0.57	0	8	11	8	11	sw.	W. W. Duffield.
Harlan	Harlan	1197	2	72.3		96	1	45	28	37	1.43		0.57	0	8	11	8	11	sw.	Chas. O. Burg.
Heard	Perry	800	6								2.46		0.97	0	7					S. C. Cole.
Hyden	Lee	664	13								2.25	−1.26	0.84	0	6					R. R. Davidson.
Jenkins	Letcher	1366	5								1.62		0.38	0	8					Russian Copley.
Lexington	Fayette	884	20								1.57	−1.30	0.62	0	5					Jeanett H. White.
Louisa	Lawrence		10								1.34	2.84	0.57	0	8					
Maysville	Mason	571	35	71.8	+ 2.1	97	2	39	29	37	2.07	−0.87	0.89	0	8	10	6	14	s.	Perry P. Bennett.
Maysville	Mason	1198	34	[a]72.3	+ 3.4	[a]98	5	[a]42	[a]28	[a]42	2.56	+0.08	1.47	0	7	[a]8	[a]12	[a]4		Harlow Woodson.
Middlesboro	Bell	1150	34	72.3	+ 3.4	98	5	42	27	38	2.43	0.61	0.75	0	7					W. R. McKee.
Mount Sterling	Montgomery	959	10	70.2	+ 2.2	98	2	41	27	38	1.58		0.36	0	9					Otto Riddle.
Owingsville	Campbell	497	8								2.66	1.24	0.82	0	5					Robert Repass.
Pikeville	Pike	656	26								1.73		0.29	0	5					C. C. Hall.
Proctor	Lee	676	5								2.46		0.58	0	8					T. W. Jones.
Quicksand	Breathitt	762	5	71.2		98	2	39	29	46	1.32	−2.37	0.70	0	5					Walker P. Bush.
Riverton, Lock 12	Bourbon	663	12								2.31	1.10	0.56	0	9	11	2	11		W. Crooke.
Richmond	Madison	968	39	73.4	+ 2.9	98	2	41	30	39	2.03	0.64	0.85	0	8					Chas. Sullivan.
Rockcastle River, Lock 9	Madison	501	17								1.95	−0.96	0.65	0	10					H. M. Brunin.
Sandy Hook, Dam 32	Lewis	525	15								1.49		0.51	0	8					C. J. Zimmermann.
Stanford	Lincoln	1132	5								2.46	0.48	1.04	0	8	23	6	1		Lawrence R. Ural.
Williamsburg	Whitley	1160	33	72.6	+ 1.5	96	2	42	27	41	0.57	3.03	0.17	0	5					Jessie Hicks.
Wilmore, Lock 13	Jessamine	611	11								2.46	0.57	2.25	0	8	13	9	6	s.	
Averages and extremes				72.6	+ 2.2	101	2	38	27	48	2.46	0.57	2.25	0	8	13	9	6	s.	

[a] Records incomplete. Data are taken from self-registering thermometers.

Dashes indicate that records are not received. Averages are computed only for such stations as have ten or more years of record, but all complete reports are included in the State averages. Dates of occurrence are omitted for all but the first of the month. Trace, or T., Brownsville and Woodbury are Lock-and-Dam Power Plants; other Locks are on the Kentucky River.

In computing departures from normal, records for stations having less than ten years of record are not used. Dates of occurrence are omitted for all but the first of the month. Trace, or T., indicates that the fall is too small to measure. Dashes indicate that data are missing; 0.00 indicates that it is known that no measurable precipitation occurred; 0.0, 0.00, etc., indicate amounts too small to be measured. Dates of occurrence are omitted for all but the first of the month. Trace, or T., indicates that the fall is too small to measure. Dashes indicate that data are missing; 0.00 indicates that it is known that no measurable precipitation occurred; 0.0, 0.00, etc., indicate amounts too small to be measured. Dates of occurrence are omitted for all but the first of the month.

* Also on other dates. † Received too late to be included in means and summaries. ‡ Discontinued. § Less than 0.01 inch rain or melted snow. ¶ Lone Oak; Paducah, Ky.; Lock 7, Lemonstown, Ky.; Lock 8, Starbuckville, Ky.; Lock 9, Lock 10, Red House, Ky.; Scott, Independence, Ky.

Lock 1, Carrollton, Ky.; Lock 2, Prestonville, Ky.; Lock 3, Gest, Ky.; Lock 4, Salvisa, Ky.; Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 7, Lockport, Ky.; Lock 8, Satellite, Ky.; Lock 9, Lock 10, Red House, Ky.; Scott, Independence, Ky.

0.15 inch at Ashland and 6.87 inches at Owensboro. Days with thunderstorms were: 2 7 11 13 14 15 23 24 and 25

windows and wire systems.

Floods.—Streams remained at very low stages, and creeks were dry except for occasional pools.

MISCELLANEOUS.

2.—A cyclone struck Lexington and one person and caused minor damage to

Daily Precipitation for September, 1930.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Western Division																															
Grayson Dam 1								.20						.25	.60																
Calhoun		.11				T	.30	.06	T	T.	T.	.02	.70	.26	.54	T.						T	.22	1.1		.4					
Sacramento			.12					1.1				.22	T.	.04	.77								.22	.06							
Lords Ferry, Dam 50			.42			.04		.84		F		.22	1.00	.18	.5	.10	T.						.70	.2							
Greenville		.08				F		1.0		T.	.10	.06		.03	.27								1.1	T	.16						
Bowlesville			T					.04	T		T	T.	T.	.70	.04								.03								
Lowesville																															
Vanleer		.10						.16		T		.20		.20	.03							.10									
Maynard			1.05						.20			.20		.20	.10																
Monroe		T.	F				T		.25	.25	T.	.27	.04	T	T							T	.11	.1							
Jamestown		.02	1.35			T.	.70	1.10				.10		.02									.10	.03							
Dam 46		.04	1.0			T	.50	.55			T.	.5	T	.16	.63	.50	.02							.10	.03						
Radnor Coal Co.		.05					.06		.28		1.05		.15		1.18									.12							
Rockford		.14						.08	1.30			1.70	.40	.15	1.02	.02															
Princeton		1.30				T.	.01	.05	.40	.03	.08	.20	.01	.08									.40	T							
Ramsey, Lock No. 2			.50				.01	.05				.05	.01	.08								.01	.01	.02							
Evansville							.11	.57				.06	.08	.2	1.02	.18							.02	.08	.08							
Uniontown, Dam 49						.05	.30	.31			.12	.04	.30	.4	2.25	.15	T.						1.05	.02	T						
Central Division																															
Addison, Dam 15			.4			T	1.05					T.	.03	.54	.05							T.	.03	.03							
Anchorage		.17											.01		.14	.15	.07					T	.09								
Bardstown			.6					.16				T	.28			.18		1.00				.11	.06								
Bowling Green								.20	.04			.10	.35	.07		.06						.72	T								
Brooking Green, No. 3								.28				.40		.38	.11	T.															
Brooksville, Lock No. 6								.10				.34		.15	.11	.04							.03								
Cadiz		T.						.06		T	T.	.18	.24		.30	T.								.02	.02						
Carrollton (Lock No. 1)			.05					.06				.04		.05	.84	.17							.32								
Coal Spring, Dam 8		.18	.35					.04	.02			.04		.03	1.54								.21								
Cox Dam, Bargan								.06			1.15	.12		.15	.20	.03						T		.13							
Dalesville												.04			.24	.78	.45					.24									
Dawsonville		.02	T			T		.17			.14	.16	.08		1.2	.2							.58								
Franklin								.10				.17	.02		.11	.14	.06						.03	.02							
Frost, Lock No. 3		.03	.12			.02		.22			1.1	.02	.26		.18															
Locust, Dam 34		.18	.12				.06	.08				.2	.05		.40	.18															
Georgetown		T.						.03		.2	.12	.18		.85	.02	1.22	.04					T.	.03	.11							
High Bridge, Lock No. 7												.16	.87	.18		.18	.15	.42					.20	.14							
Lexington		.02										.12		.22	.03	.08							.12								
Jamestown City						T					1	1.2		.17	1.05								.03								
Lancaster												.26	.02	.24	.78	.47						T	.11								
Lanesfield		.15				.05	T.				.11	.1	.21	.05	.1							T	T								
Lexington ***		T	T.	T.		T.	.01				.58	.24		.15	.03							T.	T								
Little Hickman, Lock No. 8				T								.5	.06		.03							T.	T								
Lockport, Lock No. 2		.16				T		.27				.6	.08		.30	.10	.05						.8	.10							
Louisville ***		T	.3			.01	.52				.26	T		.8	.25							.10	.04								
Do. (Cherokee Park)			.32			.02					.05	.02	T.	.81	.27	T						.12	.02								
Mentorville						.02					.05	.02	T	1.	.5								.05								
Mt. Aaron								.03				.18	.10		.05																
Nelsons, Lock No 6		.13	.32			T	T	.02				.20	.12		2.03	.02	.26					T	.11	.15							
Nepot			.65			T						.18	.12		.05		.85						.15	.32							
Shelbyville		.20		T			.16				.16	.1	.10	.06	1.1	.20						T	.28								
Taylorsville		1.0	.12			.02	.03	.18				.08	.13		.28	.40							.24	.04							
Tarsons, Lock No. 5			.03	.08			.02			T.	.04	.24	.08	.22	.08	.02						T.	.24								
Williamstown		.05	T.				.18				.20	.18	.2	.20	.21								.22	.2							
Woodberry, Lock No. 4		.12	.10					.23				.1	.5	.24	.04	.40							.02	.10							
Eastern Division								.19			.01	.20		.17	.32	.07	.06														
Ashland			.02																												
Beattyville			.03								.13	.14	.6		.07	.0	.12						.03	.1	.07						
Berea						T	T.				.27	.06	.21		.47	.0							.17	.0	.0						
Carter Hill, Lock No. 11											.32	.11	.03	.17	.0	.22							.04	.08							
Catlettsburg				T		T	T.				.18	.1	.04		.47	T								.1							
Farmers		.02		T	T	T	.02		T.			.4	T	.28		.10							.02	.15							
Flemingsburg		.18		.20		T.	T.	.17				.27	.3		.4	.24	.11						.20	.12	T						
Fleming												.6	.77	.1			.15						.51	.17							
Flood, Lock No. 10		T.		T.	.1		T.	F.	T.					.2		.10							.39	.7							
Garrison												.54	.1	.2	.23	.08								.2	T						
Gunnings, Dam 30		.04										.25	.3											.21							
Harrod												.16	.4	T		.07								.08							
Hazard							.6					.3	.02	.2		.22								.28	.07						
Hendersonville, Lock No. 14				T		F	.20				.58	.6	T	.17	.12									.2							
Jenkins												.6	.1	.17										.03							
Lock 4					.14			.24			.04		.16		.14								.56	.2							
Louisville																							.61	.08	.38						
Maysville							.01	.02				.22	.0		.2									.07	.17						
Middletown		.18	.03			T						.22	.20			.04								.07	.12						
Monterey												.22	.20		.16	.04	.03							.2	T						
Mount Sterling				T			.17				.48	.1	.20	.47										.2							
Owingsville												.06	.17	.07										.2							
Owingsville, Dam 35		.18	.48			T	.03	.16				.10	.27		.23	.2	T					T.	T.	.12							
Paintsville					F			.8				.25	T.		.2		T							.25	.24						
Parchment							.06					.26			.07		F							.02							
Ravenna, Lock No. 12										.20		.28	.10	.30	.07		.10							.02	.18						
Richmond							....	T		?	.08	.30	T.	.06	T.								.50	.18							
Valley View, Lock No.							.04	.06			.2	.4		.70	.1		.15					.70	.12								
Vanceburg, Dam No. 32			.05				.02		.7	.4	.12	.22		.8								.08									
Wayne County			.12	.02				.01			.15	.70		.21	.02	.1						.85	.12								
Whitehall						T	.03					.01	.07	.11		.17							.01	.02							
Wilson Lock No. 14							.50				.14	.17	.10		.75		.20							.15	.51						
																						.03	.10								

Except as otherwise indicated observations are made daily in the afternoon, local sunset, and precipitation recorded is for the 24 hours ending at time of observation.

Reference to Pearl, was Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

* Long Oak

Daily Temperatures for September, 1930.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	96	100	96	88	93	96	84	85	85	82	78	93	83	95	89	84	86	78	85	86	90	94	94	95	87	75	79	81	86	78	..	87.4
	Minimum	70	65	68	48	48	66	66	66	60	67	67	70	66	68	69	66	66	54	45	54	54	60	64	70	74	70	41	47	46	45	..	59.9
Calhoun	Maximum	93	97	83	86	91	93	81	84	82	79	76	89	89	90	84	76	81	78	82	85	85	88	90	96	86	77	76	77	83	74	..	83.8
	Minimum	70	72	68	58	54	68	66	68	62	65	67	70	68	69	65	66	66	57	54	54	60	64	70	74	70	71	46	50	49	54	..	62.0
Earlington	Maximum	97	101	84	88	92	95	83	85	83	78	76	90	92	94	86	76	81	80	87	82	90	90	90	96	85	81	77	78	83	74	..	85.3
	Minimum	71	73	68	62	61	66	65	66	66	67	69	71	68	68	65	67	55	52	49	51	56	67	69	70	73	72	47	47	49	49	..	[2]65.7
Greenville	Maximum	95	98	83	87	92	95	84	85	83	78	76	90	92	94	86	76	81	78	86	84	86	91	92	96	87	81	77	80	85	76	..	[2]59.7
	Minimum	68	65	66	54	50	64	63	64	64	66	67	70	66	70	65	..	56	50	47	56	54	63	66	70	72	61	43	50	54	51	..	62.8
Hopkinsville	Maximum	96	100	92	93	97	97	87	88	87	81	78	92	83	95	90	87	85	80	89	90	93	96	94	97	88	83	80	83	88	82	..	..
	Minimum	69	66	67	56	55	68	67	68	70	69	70	71	68	69	69	67	67	55	50	59	58	58	62	64	70	72	61	43	50	54	51	..
Lovelaceville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	89	84	88	92	94	97	87	85	78	78	85	86	82	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50	58	58	62	64	70	70	62	48	50	50	54	50	..	58.7
Marion	Maximum	93	97	87	85	90	90	85	85	81	80	77	87	84	90	80	76	79	78	86	84	87	92	92	96	86	80	78	80	85	80	..	62.2
	Minimum	69	70	66	57	60	66	66	66	66	67	69	66	70	64	62	59	58	56	54	61	66	69	72	74	68	58	49	54	54	..	..	[3]55.9
Mayfield	Maximum	95	..	100	91	94	93	90	..	..	88	84	89	90	94	88	80	86	87	89	88	91	92	96	96	88	87	89	85	91	85	85	[3]62.1
	Minimum	69	..	67	66	60	63	68	..	..	68	68	69	66	69	72	67	61	57	56	61	68	65	69	73	70	62	45	51	55	51	..	63.4
Murray	Maximum	97	101	91	89	94	94	94	93	87	83	84	95	88	95	88	84	86	77	89	93	92	87	92	94	94	96	93	84	79	84	84	59.2
	Minimum	68	61	64	47	47	51	62	65	70	68	69	69	62	70	70	64	63	52	46	56	56	58	64	70	70	68	45	50	52	45	..	59.9
Owensboro	Maximum	96	98	87	89	92	90	89	87	84	80	78	92	84	93	89	84	85	79	81	86	86	88	86	85	87	80	76	78	83	80	..	60.5
	Minimum	69	67	67	59	53	67	67	67	62	64	66	67	67	64	65	65	65	55	45	51	55	57	64	64	68	71	59	43	47	47	47	60.5
Paducah (near)	Maximum	96	98	87	89	92	90	89	87	84	83	82	92	84	92	88	84	86	82	84	87	88	92	92	94	87	82	78	80	85	80	..	62.2
	Minimum	71	70	67	54	58	63	69	66	68	67	68	65	66	72	64	60	56	52	52	58	58	58	62	68	72	73	58	45	50	50	50	61.9
Princeton	Maximum	94	97	82	83	86	88	76	84	80	78	76	85	83	90	84	74	78	77	83	84	88	88	88	97	86	78	76	79	81	76	..	62.8
	Minimum	70	67	67	59	57	66	66	68	65	68	69	71	67	70	67	62	56	55	51	59	58	64	68	72	72	72	57	43	49	51	51	62.2
Russellville[$$]	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central Division.																																	
Anchorage	Maximum	94	97	84	84	88	92	84	74	85	84	83	84	83	87	86	74	78	82	..	79	85	88	89	84	82	81	73	75	81	73	..	82.9
	Minimum	68	64	60	62	47	64	65	66	57	58	62	68	65	65	68	65	65	58	54	52	61	60	57	63	72	69	53	44	43	42	43	57.9
Bardstown	Maximum	96	100	85	86	91	95	87	85	87	85	85	88	85	85	88	85	86	78	81	81	84	90	91	93	86	86	78	75	84	74	..	85.6
	Minimum	70	66	66	56	50	66	67	65	58	66	68	67	65	68	67	65	67	56	50	47	55	57	61	63	72	72	69	41	48	45	50	60.2
Bowling Green	Maximum	97	96	93	92	96	98	89	87	87	81	76	90	85	97	90	83	85	80	83	85	88	88	92	96	90	74	72	73	84	82	..	85.2
	Minimum	69	67	70	56	54	65	68	67	65	68	69	70	67	67	69	66	64	59	56	58	61	61	68	70	74	72	64	41	48	45	50	62.9
Dix Dam	Maximum	95	97	95	85	93	94	90	85	88	86	77	85	87	93	87	83	87	80	87	87	89	92	93	96	88	85	79	77	82	79	..	85.7
	Minimum	78	68	70	53	53	66	70	61	62	64	66	69	68	69	69	69	60	60	52	51	57	59	61	62	65	72	70	62	45	51	55	63.0
Eubank	Maximum	96	98	86	87	92	94	94	87	87	82	82	84	86	84	86	86	79	79	78	79	81	84	86	92	90	89	81	76	78	78	72	84.4
	Minimum	64	61	61	56	57	59	69	64	66	67	65	67	62	66	65	65	67	56	53	50	56	55	58	62	68	68	67	46	47	42	43	58.9
Frankfort	Maximum	92	95	93	83	87	90	89	88	84	83	83	82	86	84	86	85	74	78	80	82	84	89	92	94	86	86	78	75	84	74	..	84.2
	Minimum	69	68	69	56	52	66	68	66	66	66	65	68	66	64	68	66	64	58	54	59	62	61	66	72	70	67	54	45	51	51	50	61.1
Franklin	Maximum	97	99	92	89	96	98	92	86	87	86	85	89	91	98	93	91	92	83	87	87	89	92	94	96	90	88	83	84	87	81	..	87.7
	Minimum	70	70	70	56	55	64	69	67	66	68	69	71	68	68	69	67	62	53	53	62	59	64	69	71	74	71	67	47	56	54	51	64.5
Greensburg	Maximum	97	101	88	88	93	98	88	84	89	90	85	76	84	88	88	87	81	81	76	83	78	86	87	92	92	93	84	76	80	79	75	85.4
	Minimum	68	64	65	48	48	59	67	65	60	67	67	69	65	66	67	66	57	51	49	55	58	66	65	70	72	70	61	48	47	47	49	59.4
Irvington	Maximum	94	97	82	84	88	91	83	80	81	77	77	84	85	85	85	85	77	76	80	80	82	86	88	92	86	80	77	73	79	79	71	82.1
	Minimum	72	72	68	58	58	68	67	67	68	68	68	71	69	68	68	67	59	51	50	57	57	65	64	72	73	72	53	47	51	49	52	62.4
Junction City	Maximum	97	96	92	89	93	96	87	87	87	84	83	88	87	88	87	84	84	78	84	84	85	90	91	94	87	85	79	79	83	81	..	85.9
	Minimum	65	64	63	51	50	61	67	66	64	67	66	68	65	67	67	65	65	57	56	59	61	60	67	72	72	71	57	41	50	45	43	59.4
Leitchfield	Maximum	93	96	85	86	92	95	84	84	82	78	76	88	88	90	85	78	81	78	84	81	86	89	92	96	88	83	78	78	83	74	..	84.1
	Minimum	69	69	70	57	53	66	67	66	61	66	65	67	66	67	65	67	57	52	48	56	58	62	66	70	73	72	58	45	50	45	43	61.8
Lexington	Maximum	90	94	81	80	86	91	78	79	82	80	79	84	85	88	86	76	78	76	80	80	82	86	88	92	86	80	77	73	79	78	71	80.5
	Minimum	73	72	63	58	62	74	66	64	58	59	68	66	63	68	66	63	58	56	51	58	57	65	64	72	73	72	55	47	51	49	52	62.4
Louisville	Maximum	92	94	80	82	87	90	76	77	81	79	78	82	82	83	83	77	78	76	81	80	82	86	88	91	91	87	75	73	78	77	73	82.7
	Minimum	72	72	68	58	58	68	67	67	66	68	68	69	68	68	68	67	61	56	54	62	59	62	67	68	71	71	57	49	51	50	51	63.5
Louisville (Cherokee Park)	Maximum	93	96	85	86	92	95	84	84	82	78	76	88	88	90	85	78	81	78	84	81	86	88	91	94	87	84	77	75	81	78	77	83.4
	Minimum	69	69	70	57	53	66	67	66	61	66	65	67	66	67	65	67	57	52	48	56	58	62	66	70	73	72	57	45	50	49	51	61.8
Louisville (Standiford Field)	Maximum	90	94	81	80	86	91	78	79	82	80	79	84	85	88	86	76	78	76	80	80	82	86	88	92	86	80	77	73	79	78	71	80.5
	Minimum	73	72	63	58	62	74	66	64	58	59	68	66	63	68	66	63	58	56	51	58	57	65	64	72	73	72	55	47	51	49	52	62.4
Louisville (Weather Bureau Office)	Maximum	92	94	80	82	87	90	76	77	81	79	78	82	82	83	83	77	78	76	81	80	82	86	88	91	91	87	75	73	78	77	73	82.7
	Minimum	72	72	68	58	58	68	67	67	66	68	68	69	68	68	68	67	61	56	54	62	59	62	67	68	71	71	57	49	51	50	51	63.5
Mt. St. John	Maximum	92	95	92	81	84	88	74	76	80	79	78	80	84	84	82	76	75	76	78	77	80	86	88	92	86	82	76	74	78	77	73	80.7
	Minimum	70	69	64	55	51	63	67	64	58	57	63	68	67	68	65	65	57	52	50	56	56	64	62	70	70	68	47	50	48	49	49	60.5
Mt. St. John	Maximum	94	96	85	86	91	93	74	82	84	81	78	86	88	88	84	81	81	78	80	83	84	88	89	93	87	84	77	75	80	78	75	84.5
	Minimum	67	64	66	54	48	63	61	62	62	62	65	67	65	64	66	63	55	50	46	54	55	57	63	69	70	68	44	47	47	49	49	59.1
Scott	Maximum	90	92	71	79	84	87	78	78	82	78	77	81	84	85	82	75	80	79	83	81	83	89	90	94	85	81	74	72	77	76	74	80.7
	Minimum	69	71	63	53	52	63	65	62	56	56	61	69	67	67	65	67	57	50	47	56	56	63	65	70	72	70	43	49	44	48	46	60.0
Shelbyville	Maximum	93	92	82	85	90	94	78	82	79	81	81	85	82	85	85	78	80	79	83	81	83	89	90	94	86	84	77	73	79	79	74	82.5
	Minimum	69	68	67	55	53	67	67	64	58	58	66	69	67	67	67	67	56	52	50	56	57	62	62	71	70	68	43	49	44	48	46	60.0
Taylorsville	Maximum	93	95	85	82	87	91	81	79	82	79	78	82	84	84	82	76	78	74	78	77	79	83	86	87	89	84	78	74	79	79	74	82.5
	Minimum	67	63	63	49	46	61	67	62	58	58	67	68	64	64	65	66	58	54	50	56	56	62	62	71	70	67	43	49	44	48	46	57.6
Williamstown	Maximum	94	96	90	85	89	92	84	82	85	84	83	82	89	90	86	78	79	80	82	81	82	86	88	92	86	82	76	74	78	77	73	83.7
	Minimum	76	69	64	55	55	65	66	65	54	54	61	67	67	65	64	66	58	55	51	58	57	63	62	71	70	67	43	48	46	46	44	59.4
Eastern Division.																																	
Ashland	Maximum	95	95	93	86	89	90	86	80	86	84	84	86	90	88	90	83	82	78	82	84	84	90	92	92	84	80	78	76	78	74	..	85.
	Minimum	67	67	68	52	54	60	64	62	56	54	60	68	68	66	64	68	60	48	48	52	56	60	60	64	68	68	48	50	50	50	..	58.
Beattyville	Maximum	94	94	87	89	92	96	86	84	90	86	80	88	89	90	84	80	84	80	86	86	88	92	94	96	90	86	80	78	80	78	..	86.
	Minimum	63	63	62	49	52	51	62	61	55	52	54	60	64	64	60	62	56	48	48	52	56	58	57	62	67	62	48	50	50	50	..	56.
Berea	Maximum	96	98	85	89	90	94	85	85	87	85	76	88	89	90	86	80	84	80	86	86	88	92	94	96	90	86	80	78	80	76	..	86.
	Minimum	70	71	68	54	55	59	66	64	59	56	57	67	68	67	67	68	60	51	52	56	56	58	57	62	67	62	48	50	50	50	..	58.
Farmers	Maximum	96	98	85	88	90	92	90	82	86	84	80	82	88	88	84	80	82	78	82	82	84	88	90	94	86	82	76	74	78	76	..	85.
	Minimum	65	61	61	40	47	57	61	62	60	60	57	68	65	67	64	66	58	52	48	52	56	58	57	62	63	63	48	50	50	50	..	58.
Harlan[$$]	Maximum	96	95	91	92	93	90	94	85	90	84	80	82	90	91	86	82	84	80	85	85	86	92	92	96	88	85	80	78	80	78	..	86.
	Minimum	66	60	60	50	56	54	64	65	62	64	64	71	65	68	65	68	62	54	52	56	57	59	62	68	68	68	48	50	50	50	..	58.
Maysville	Maximum	94	97	88	86	88	92	93	84	86	83	81	84	88	88	84	81	84	78	82	82	84	88	90	94	86	82	76	74	78	76	..	85.
	Minimum	70	65	69	52	52	65	68	67	63	63	64	71	65	68	65	68	62	54	52	56	56	60	60	67	70	68	48	50	50	50	..	58.
Middlesboro	Maximum	94	94	91	92	96	88	87	85	..	89	86	88	90	90	88	84	86	82	86	86	88	92	94	96	88	84	78	76	78	76	..	86.
	Minimum	65	60	60	54	51	63	63	..	62	60	64	62	63	66	66	68	60	48	48	52	56	58	58	62	65	64	48	50	50	50	..	58.
Mount Sterling	Maximum	96	98	85	85	90	92	85	88	86	84	82	86	90	88	86	80	84	80	86	86	88	92	94	96	88	84	78	76	78	76	..	86.
	Minimum	65	63	64	50	52	57	60	58	55	56	57	68	67	68	65	68	60	52	50	56	56	58	58	62	65	64	48	50	50	50	..	58.
Quicksand	Maximum	96	98	90	90	93	95	96	86	91	88	84	84	90	88	90	84	86	82	86	86	88	92	94	96	88	84	78	76	78	76	..	86.
	Minimum	62	61	63	49	51	59	61	55	56	55	57	68	64	66	64	66	58	52	50	56	56	58	58	62	65	64	48	50	50	50	..	58.
Richmond	Maximum	95	98	86	88	92	93	84	84	86	82	82	83	87	85	88	80	84	78	82	82	84	88	90	94	86	82	76	74	78	76	..	85.
	Minimum	74	72	68	56	58	65	70	66	66	62	66	69	68	69	68	69	62	54	52	56	56	60	60	67	70	68	48	50	50	50	..	58.
Williamsburg	Maximum	90	96	90	89	94	94	93	86	90	89	89	89	93	94	90	84	86	82	86	86	88	92	94	96	88	84	78	76	78	76	..	86.
	Minimum	61	61	58	53	53	52	63	61	61	61	67	65	65	63	63	63	64	56	51	56	59	61	58	64	61	65	60	42	44	45	..	58.

[$$] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

[2], [3], etc., indicate respectively 1, 2, 3, etc., days missing from record.

W B O Louisville 10-27-30 1000

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. RENDALL, Meteorologist.

VOL. XXXV LOUISVILLE, KY., OCTOBER, 1930 No. 10

GENERAL SUMMARY.

The prevailing drought grew slowly worse, especially with respect to the shortage of water for livestock and municipalities. The light to moderate showers that fell at relatively long intervals were sufficient to bring up wheat and keep it alive. They also partly supplied domestic needs through the catch in cisterns. They had no effect on springs or streams, therefore hauling of stock water or the driving of stock to large streams absorbed more and more of the energies of the upland farmers. While the long period of warm weather in the first half was favorable for maturing and harvesting the late crops, it endangered sprouting grain by causing rapid loss of the meager supply of surface moisture, which was little more than sufficient to maintain its life. This high temperature also greatly augmented the demand for drinking water, with increased efforts necessary to provide it. The change to much cooler weather about the 17th came as a welcome relief because it reduced decidedly the demand for water.

Killing frosts occurred in some northern districts on the 18th and 19th, and a general severe freeze on the 20th. Low temperature predominated during the remainder of the month. Farmers who were harassed by the almost insurmountable problems of providing feed and water for stock took advantage of this long cool spell to kill hogs and partly relieve themselves of the burden that had continued for months. Practically all corn and tobacco had matured and were saved before the freeze. Late potatoes grew so slowly, on account of the extreme dryness of the preceding four weeks, that they quite generally failed to mature and were extensively damaged. Only a part of the crop made sizable tubers. Late tomatoes and some other late vegetables were also destroyed.

Pastures of rye and bluegrass were soon exhausted by grazing, and the showers were insufficient to revive them. Continuous feeding was therefore necessary. Late hay was saved in fine condition during the warm weather. Wheat land could not be prepared, hence seeding was confined to fields from which other crops had been removed. The low temperature of the last two weeks, as well as the drought, checked growth. Corn in shock and tobacco in barns cured out quickly to unusual dryness.

TEMPERATURE.

The records of 42 stations gave an average temperature of 55.8°, which is 2.4° below normal. The first few days were relatively cool, but in the period 7-16th temperatures ranged from 5° to 12° above normal. Unseasonably cool weather prevailed from the 17th to 26th, with daily deficiencies of 10° to 20° and minima of 18° to 25° at most central and eastern stations. The extremes were 94° at Bowling Green on the 12th and 16° at Quicksand on the 22d.

PRECIPITATION.

The average of the records of 83 stations was 1.33 inches, a deficiency of 1.31 inches. Rainfall occurred mostly as light to moderate showers on the 3d, 5th, 8th to 10th, 23d-27th, and 29th. Rain was fairly heavy locally in the western counties on the 27th and 28th. In the section including the Pennyroyal and Purchase it was the driest October on record, about half of the usual amount. In the southeastern part of the State, extending from Lincoln and Boyle counties to the Cumberland Gap, it was only moderately dry, the deficiency ranging from 0.5 to 1.5 inches. Unbalanced loss from the storm of the 28th occurred in some south-central districts, most stations reporting less than 1 inch. The range for the State was from 0.44 inch on Clover Bottom, Jackson county, to 2.78 inches at Cumberland. Normal rainfall did not occur in any considerable area, and the greater part of the State almost perfected by drought in most months, the least rainfall in this month. Thunderstorms were reported from 4 to 8 stations on the 16th and 28th.

MISCELLANEOUS.

Oct. 17.—A hail was successfully combated by [illegible] at a heavy loss to Wil[illegible]

Oct. 24.—A State survey of the wheat planting showed [illegible] as planted [illegible] the State, and a bell [illegible] the western section [illegible] acreage [illegible] affected. In a few [illegible] counties [illegible] and [illegible]

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. In inches reduced to sea level. Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Average hourly velocity.	Maximum velocity. Miles per hour.	Direction.	Date.
Cairo Ill	29.41	30.58	31	28.73	7	1374	5.8	22	NW.	28
Cincinnati ..... Ohio	30.11	30.56	21	29.76	15	3653	4.9	18	SW.	21
Evansville..... Ind.	30.12	30.58	31	29.75	16	4815	6.5	24	SW.	16
Lexington ..... Ky.	30.15	30.57	31	29.78	15	7329	9.9	36	SW.	3
Louisville ..... Ky.	30.13	30.59	31	29.75	15	5424	7.3	30	NW.	28

*For any five minute period. The 8 o'clock anemometer [illegible] January 1, 1928.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	82	53	61	226.5	318.1	68	16	6
Cincinnati ..... Ohio.	81	51	55	228.8	346.1	66	16	6
Evansville..... Ind.	86	55	59	226.7	342.2	66	16	7
Lexington ..... Ky.	76	45	53	234.5	346.2	68	13	5
Louisville ..... Ky.	77	48	53	231.0	347.6	66	14	4

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature. Monthly average.	Departure from 40 year normal	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 40 year normal	No. of days with .01 in or more rain.	Average No. in each of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall
1889...	52.0	−6.2	89	23	2.42	−0.35	..	..	..	..	..
1890...	55.7	−2.5	87	23	2.94	+0.17	..	..	..	..	..
1891...	54.8	−3.4	92	21	0.78	−1.99	..	..	..	..	..
1892...	57.3	−0.9	97	19	0.51	−2.26	..	..	..	..	..
1893...	56.4	−1.8	90	19	4.00	+1.23	..	..	..	..	..
1894...	58.6	+0.1	92	25	1.36	−1.41	5	..	..	..	..
1895...	52.2	−6.0	89	14	1.24	−1.53	4	21	5	5	..
1896...	55.8	−2.4	90	25	1.71	−1.06	5	18	5	6	..
1897...	63.2	+5.0	96	26	1.10	−1.67	4	23	3	5	0
1898...	57.1	−1.1	93	21	4.19	+1.42	10	12	9	10	T.
1899...	61.3	+3.1	93	26	2.42	−0.35	5	18	3	7	0
1900...	64.5	+6.3	94	29	2.29	−0.48	5	15	8	7	0
1901...	58.1	−0.1	93	25	1.57	−1.20	4	22	6	3	0
1902...	60.1	+0.9	91	25	2.34	−0.43	5	18	5	8	T.
1903...	57.7	−0.5	86	19	2.22	−0.55	3	19	6	6	T.
1904...	57.2	−1.0	93	20	0.52	−2.25	3	21	6	4	0
1905...	57.0	−1.2	90	25	4.55	+2.18	9	14	5	12	0
1906...	56.9	−1.3	91	20	1.51	−1.26	7	15	5	11	T.
1907...	55.5	−2.7	93	20	2.97	+0.20	6	18	5	8	0
1908...	57.1	−1.1	92	20	0.71	−2.06	3	20	6	5	0
1909...	55.2	−3.0	94	18	2.11	−0.66	6	19	5	7	T.
1910...	61.4	+3.2	96	17	4.45	+1.68	6	20	4	7	0.1
1911...	59.9	+1.7	94	27	3.71	+0.94	10	13	6	12	0
1912...	59.5	+1.3	92	25	1.37	−1.85	4	18	7	6	0
1913...	56.9	−1.3	97	23	3.55	+0.78	9	14	5	12	T.
1914...	59.7	+1.5	91	22	5.10	+2.33	9	13	8	9	0
1915...	60.6	+2.4	90	27	3.40	+0.63	6	18	7	6	0
1916...	57.6	−0.6	97	24	2.59	+0.18	6	20	5	6	T.
1917...	51.1	−7.1	80	20	3.18	+0.41	7	14	8	9	0.1
1918...	62.3	+4.1	91	32	3.81	+1.04	10	13	7	11	0
1919...	65.6	+7.4	98	35	7.99	+5.22	15	8	7	16	0
1920...	61.0	+2.8	93	24	1.64	−1.13	4	21	5	5	0
1921...	57.1	−1.1	90	24	4.31	−0.46	6	20	6	5	0
1922...	60.2	+2.0	96	25	2.28	−0.49	6	20	4	7	0
1923...	56.3	−1.7	94	19	1.68	−1.09	5	18	5	8	0.2
1924...	61.1	+3.1	94	24	4.57	+2.50	7	23	5	3	0
1925...	52.9	−5.3	88	13	7.09	+4.82	11	6	5	18	1.2
1926...	57.3	+1.1	94	25	3.76	+3.19	11	12	5	11	T.
1927...	50.7	−5.5	92	25	2.61	−0.16	4	20	6	5	0
1928...	61.6	+3.4	94	21	3.66	+2.37	8	17	5	9	0
1929...	56.4	−1.8	85	25	3.65	+2.28	8	14	7	10	T.
1930...	55.8	−2.4	94	16	1.33	−1.31	6	16	7	8	T.

Climatological Data for October, 1930.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days:					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	26	56.6	−2.1	89	12	24	22	47	1.10	−1.70	0.50	0	4	22	1	8	n.	Mrs. Lena F Taylor.
Calhoun	McLean	437	26	57.0	−3.0	85	11†	28	22	37	1.41	−1.98	0.62	T.	5	11	14	6	ne.	W. A. Taylor.
Dawson	Hopkins	420	40	57.4	−2.2	87	11†	30	22	40	1.97	−0.96	1.00	T.	6	22	2	7	n.	Brick Southworth.
Ferrington	Crittenden	356	..	....	....	....	....	....	....	....	2.15	.....	1.07	T.	7	....	....	....	....	W. D. Hatcher.
Ferris Ferry, Dam 50	Muhlenburg	519	13	[b]55.5	−3.8	[88b]	11	[28b]	20†	[44b]	2.78	−1.28	1.23	0	6	[16b]	[8b]	[5b]	s.	C. R. Lovell.
Greenville	Christian	524	34	58.7	−1.9	89	10†	32	31	45	2.61	−0.43	0.71	T.	7	13	7	11	se.	W. E. Graves.
Hopkinsville	Christian	....	1	57.0	.....	87	12	26	29	46	2.09	.....	0.77	0	4	17	8	6	e	Blaine Malone.
Lewisburg	Todd	....	1	57.5	−2.6	86	17	25	18	34	1.72	−1.13	0.80	0	4	17	8	6	e	B. C. Paris.
Marion	Crittenden	571	32	57.5	−2.6	86	17	[29a]	31	[44a]	2.65	0.00	1.01	0	4	[16a]	[8a]	[6a]	nw.	Mrs. C. R. Sowell.
Mayfield	Graves	364	21	[a]59.6	−0.6	[91a]	10	[29a]	26†	50	2.27	.....	0.70	0	5	11	12	8	s.	Harry B. Arnold
Murray	Calloway	412	4	58.0	.....	91	11	28	26†	50	2.27	.....	0.70	0	5	11	12	8	s.	Harry B. Arnold
Owensboro	Daviess	479	33	54.1	−4.8	82	11†	28	20†	38	0.84	−2.44	0.24	T.	6	20	3	8	nw.	Henry S. Berry.
Owensboro, Dam 45	Daviess	401	2	....	....	....	....	....	....	....	1.08	.....	0.37	0	7	....	....	....	....	George McGlemary.
Paducah (near)	McCracken	516	13	58.8	−2.0	93	12	32	22†	41	2.67	−1.32	1.15	0	5	19	4	8	se.	J. W. Lilley
Paducah	McCracken	....	....	....	....	....	....	....	....	....	1.08	−1.05	0.68	0	5	....	....	....	....	Frank L. Brown.
Paducah	McCracken	341	41	....	....	....	....	....	....	....	2.18	−0.81	1.16	T.	8	17	7	7	n.	Dr. W. L. Cash.
Princeton	Caldwell	529	23	57.2	−1.9	85	11	32	29	37	1.57	−2.14	0.63	0	6	....	....	....	....	Thos. L. Wetzell.
Ramsey, Lock 2	McLean	384	13	....	....	....	....	....	....	....	....	.....	....	....	....	....	....	....	....	Wm. Shelton.
Russellville	Logan	590	19	....	....	....	....	....	....	....	0.74	.....	0.28	0	6	....	....	....	....	Earl Holder.
Uniontown, Dam 49	Union	357	2	....	....	....	....	....	....	....	....	.....	....	....	....	....	....	....	....	
Central Division.											1.16	.....	0.39	0	7	....	....	....	....	C. L. Moore.
Addison, Dam 45	Breckinridge	352	2	....	....	....	....	....	....	....	0.60	−2.40	0.31	0	4	21	5	5	se.	C. E. Barret.
Anchorage	Jefferson	700	29	54.0	−2.9	87	11	18	20	40	0.60	−2.40	0.31	0	4	21	5	5	se.	C. E. Barret.
Bardstown	Nelson	700	29	54.0	−2.9	87	11†	18	20	40	0.60	−2.40	0.31	0	4	21	5	5	se.	Mrs. Emily P. Sisco.
Bowling Green	Warren	637	33	56.0	−3.1	88	11†	20	20	50	1.30	−1.52	0.45	0	4	20	4	7	s.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	500	41	59.0	−0.8	94	12	29	22†	43	1.87	−0.85	0.51	0	6	16	7	8	s.	T. Rone
Bowling Green	Warren	....	....	....	....	....	....	....	....	....	1.23	.....	0.51	0	6	....	....	....	....	Virgil M. Whalin.
Bowling Green, No. 2	Warren	469	5	....	....	....	....	....	....	....	1.68	−2.00	0.66	T.	7	....	....	....	....	T. A. Lewis
Brownsville, Lock 6	Edmonson	410	13	....	....	....	....	....	....	....	2.30	−0.60	1.30	0	8	....	....	....	....	Shelby Angel.
Burnside	Pulaski	773	39	....	....	....	....	....	....	....	0.71	−2.13	0.34	0	3	....	....	....	....	Reuben Hartley.
Carrollton, Lock 1	Carroll	422	31	....	....	....	....	....	....	....	0.66	.....	0.30	0	6	....	....	....	....	C. W. Williams.
Coil Springs, Dam 36	Campbell	489	4	....	....	....	....	....	....	....	1.01	.....	0.25	0	6	19	7	5	ne.	Mrs. Katie Payne.
Dix Dam, Burgin	Mercer	770	6	56.0	.....	86	12	24	20†	44	1.09	−1.63	0.78	0	2	10	14	7	s.	Sidney Wood.
Eubank	Pulaski	1177	36	53.4	−3.5	85	11	20	22	48	0.69	−1.91	0.34	0	5	16	5	10	w	M. E. Johnson.
Frankfort	Franklin	560	38	55.6	−1.5	84	10†	28	22	39	0.52	−1.65	0.30	0	5	17	11	3	n.	Louis Shiddell.
Franklin	Simpson	691	35	58.6	−1.5	90	12	28	22	42	0.81	−2.59	0.35	0	7	....	....	....	....	H. W. Sprague.
Gest, Lock 3	Henry	449	13	....	....	....	....	....	....	....	0.68	.....	0.25	T.	7	....	....	....	....	Mrs. Bettie K. H. Alcorn.
Grant, Dam 38	Boone	780	9	....	....	....	....	....	....	....	0.93	−2.14	0.53	T.	7	6	4	21	se.	Miss Ruby L. Simpson.
Greensburg	Green	581	37	54.8	−2.3	85	11†	21	22†	48	0.78	−2.25	0.22	0	6	....	....	....	....	W. J. Piggott.
High Bridge, Lock 7	Jessamine	550	28	....	....	....	....	....	....	....	1.13	−1.88	0.45	T.	5	17	5	9	ne.	Caroline Grubbs.
Irvington	Breckinridge	646	32	55.9	−0.8	84	11	26	20	37	2.08	−0.45	1.03	0	4	12	16	3	w.	Anderson.
Junction City	Boyle	985	36	54.4	−3.4	87	12	19	22	47	1.73	.....	0.51	0	7	....	....	....	....	H. H. Willis.
Lancaster	Garrard	1032	4	....	....	....	....	....	....	....	1.51	−1.22	0.51	0	6	19	4	8	ne.	U. S. Weather Bureau.
Leitchfield	Grayson	635	34	56.6	−1.5	88	11	27	20†	41	1.51	−1.22	0.51	0	6	19	4	8	ne.	Horace Cauter.
Lexington	Fayette	989	46	54.7	−2.7	82	11	27	20	31	1.65	−1.96	0.27	T.	5	15	9	7	e.	Frank Litch.
Little Hickman, Lock 5	Jessamine	523	19	....	....	....	....	....	....	....	1.15	−2.11	0.28	0	6	....	....	....	....	U. S. Weather Bureau.
Lockport, Lock 2	Henry	476	20	....	....	....	....	....	....	....	0.76	−2.49	0.35	0	3	....	....	....	....	Wm. I. Hunt.
Louisville	Jefferson	525	57	56.4	−2.9	85	11	31	20	32	0.80	−1.85	0.27	T.	6	14	8	9	n.	A. G. Hubbard.
Do. (Cherokee Park)	Do.	534	20	55.2	−2.8	83	11†	25	22†	39	0.80	−2.42	0.35	0	3	....	....	....	....	Sisters of Loretto.
Manfordville	Hart	600	5	....	....	....	....	....	....	....	0.80	.....	0.38	0	3	....	....	....	....	Ernest M. Searcy.
St. John	Hardin	777	35	56.6	−1.1	87	11	23	20	40	1.40	−1.43	0.56	T.	4	19	6	6	....	E. B. Wilson.
Salvisa, Lock 6	Mercer	490	16	....	....	....	....	....	....	....	1.07	−1.94	0.40	0	4	....	....	....	....	Miss Ruth Ratta.
Scott	Kenton	900	32	53.8	−3.6	84	11	18	22	41	0.88	−1.95	0.39	T.	6	10	13	8	n.	E. D. Bourne.
Shelbyville	Shelby	825	41	55.5	−1.7	87	10	21	20	40	0.87	−1.88	0.38	T.	5	19	5	12	sw.	H. K. Vaughn.
Taylorsville	Spencer	489	28	52.5	−3.8	85	12	18	22	44	1.20	−1.77	0.47	T.	6	18	6	7	nw.	Miss Nettie B. Simpson.
Tyrone, Lock 5	Anderson	526	12	....	....	....	....	....	....	....	0.77	−2.56	0.38	T.	5	....	....	....	....	H. J. Lewis.
Williamstown	Grant	943	27	51.6	−0.5	85	10†	21	20	42	1.03	−1.88	0.50	0	6	21	7	3	e.	
Woodbury, Lock 4	Butler	533	13	....	....	....	....	....	....	....	1.83	−1.89	0.67	T.	8	....	....	....	....	
Eastern Division.																				
Ashland	Boyd	534	13	54.9	−2.8	84	10†	23	20	40	0.91	−1.75	0.26	0	8	9	0	22	w.	Jacob Armbruster.
Beattyville	Lee	650	26	53.4	−4.4	85	11†	17	22	48	1.28	−2.07	0.40	0	8	12	8	11	nw.	Robert S. Smallwood.
Berea	Madison	1070	25	55.9	−2.7	85	11†	21	22	42	1.41	−1.64	0.43	0	6	16	6	9	w.	Chas. C. Graham.
Cedar Hill, Lock 11	Madison	601	20	....	....	....	....	....	....	....	1.39	−2.08	0.40	0	7	....	....	....	....	Kelly Walden
Cynthiana	Harrison	684	12	....	....	....	....	....	....	....	0.44	−2.86	0.30	T.	3	....	....	....	....	P. H. Kehoe.
Falmouth	Pendleton	690	41	....	....	....	....	....	....	....	0.87	−1.40	0.40	0	7	....	....	....	....	J. V. Oldham.
Farmers	Rowan	668	22	[a]56.2	−0.4	[86a]	12†	[16a]	22	[49a]	1.35	2.16	0.50	0	4	[22a]	[1a]	[7a]	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	3	....	....	....	....	....	....	....	1.37	.....	0.50	0	6	....	....	....	....	C. A. Glascock
Ford, Lock 10	Clark	593	14	....	....	....	....	....	....	....	1.03	−1.20	0.33	0	7	....	....	....	....	John L. Withers.
Grayson	Carter	589	5	....	....	....	....	....	....	....	1.51	.....	0.51	0	9	....	....	....	....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	9	....	....	....	....	....	....	....	1.04	−1.40	0.29	0	7	....	....	....	....	T. Mitchell.
Harlan	Harlan	1197	2	55.0	.....	86	11†	20	22	44	1.61	.....	0.84	0	6	15	4	12	sw.	W. W. Duffield.
Hazard	Perry	869	6	....	....	....	....	....	....	....	1.45	.....	0.60	0	7	....	....	....	....	Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	664	13	....	....	....	....	....	....	....	1.33	−2.46	0.45	0	8	....	....	....	....	S. C. Cole.
Jackson	Breathitt	1599	5	....	....	....	....	....	....	....	1.58	.....	0.61	0	8	....	....	....	....	R. R. Davidson.
Louisa	Lawrence	551	26	....	....	....	....	....	....	....	1.61	−1.82	0.31	0	8	....	....	....	....	Russian Copley.
Madisonville	Hopkins	....	10	....	....	....	....	....	....	....	2.12	−0.45	0.88	0	6	....	....	....	....	Jeanett H. White.
Maysville	Mason	524	33	55.2	−2.3	86	11	22	20†	40	0.70	−1.96	0.37	0	6	13	10	8	s.	Perry E. Bennett
Middlesboro	Bell	1128	34	53.4	−4.6	81	11	18	22	42	1.89	−0.72	1.09	0	4	17	12	2	....	Matthew Woodson
Mount Sterling	Montgomery	939	40	52.4	−3.5	82	11†	18	20	43	1.18	−1.82	0.58	T.	5	20	1	10	w.	W. R. McKee.
Oneida, Dam 35	Campbell	497	8	....	....	....	....	....	....	....	0.82	.....	0.40	T.	7	....	....	....	....	Otto Riddle.
Pikeville	Pike	636	24	....	....	....	....	....	....	....	1.13	−1.73	0.55	0	6	....	....	....	....	Robert Repass
Prestonsburg	Floyd	640	5	....	....	....	....	....	....	....	1.09	.....	0.42	0	5	....	....	....	....	F. C. Hall.
Quicksand	Breathitt	732	5	53.7	.....	87	12	16	22	52	1.30	.....	0.32	T.	7	....	....	....	....	R. W. Jones.
Ravenna, Lock 12	Estill	631	12	....	....	....	....	....	....	....	0.86	−2.60	0.25	0	5	....	....	....	....	Walter P. Bush.
Richmond	Madison	925	39	56.4	−2.7	86	12	27	22	31	1.55	−1.30	0.40	T.	6	17	0	14	....	J. W. Crooke.
Wallace, Lock 9	Madison	541	17	....	....	....	....	....	....	....	1.48	−2.66	0.35	0	8	....	....	....	....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	15	....	....	....	....	....	....	....	1.76	−1.50	0.58	T.	6	....	....	....	....	H. M. Fannin.
Wheelwright	Letcher	1112	5	....	....	....	....	....	....	....	1.68	.....	0.45	0	7	....	....	....	....	G. H. Zimmerman.
Williamsburg	Whitley	939	33	56.4	−3.3	85	9†	20	22	45	2.13	0.64	0.65	0	8	19	10	2	....	Lawrence R. Uhl.
Willow, Lock 13	Lee	611	11	....	....	....	....	....	....	....	1.35	−1.51	0.45	0	5	....	....	....	....	Jessie Hicks.
State averages and extremes		....	....	55.5	−2.4	94	12	16	22	50	1.33	−1.44	1.30	T.	6	16	7	8	n.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

Also on other dates. †Received too late to be included in means and summaries. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Post-office addresses: - Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky. §Lone Oak

†Precipitation is less than 0.01 inch rain or melted snow

Rowan on the east, Garrard on the south, and Shelby on the west serious conditions prevailed. It was reported that farmers living 20 miles south of Augusta, Bracken County, were hauling water from that town, and that the north fork of the Licking was dry for more than a mile south of Milford. It was stated that much stock was being sacrificed on account of the lack of water. Farmers from that area during the preceding week

through sacrifice selling or by driving to the mountain counties where there was mo

Rivers.—Streams of the State were exceptionally low, with small tributaries large water.

dry and larger tributaries dry or nearly so in places. Navigation in the Ohio

rehabilitated to the system of dams.

Daily Precipitation for October, 1930.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G								.20									.56						.16				.55					1.47
Calhoun G							.12	.25									.62		T.				.44				.28			4		1.41
Darlington G							.16	.30								T	1.00						.23				.32			.62		1.83
Fords Ferry, Dam 50 O							.02	.50									1.07			T.			.11	.44			.28		.15		.62	2.57
Greenville G						.01		.29									.93						1.25				.28			.64		2.86
Hopkinsville C						T.	.32	.04									.71						.48	.36			.28			.64		1.83
Lovelaceville M						.02																	.48		.48					.64		2.61
Marion O						.80										.77							.24				.20					2.01
Mayfield M																	.60						.12				.20		T			1.92
Murray T					T.	.37	.71										.50						1.01				1.					2.59
Owensboro O							.16	.24								.52						.45	.25				.50					2.27
Owensboro, Dam 46 O						T.	.37	.02								T	.31	.04		T			.44				.22				.67	2.31
Paducah (near) * O						.38	.28										1.15						.60				.26				.64	2.65
Paducah O							.55										.68						.41	.08				.26				1.53
Princeton G					T.	.20	.13									1.16						.01	.58				.22			.07	.61	2.78
Ramsey, Lock No. 2 G							.43	.03								T	.63						.15	.06				.32				1.57
Russellville G																																
Uniontown, Dam 49 O							.23										.28						.04	.02				.13			.64	0.74
Central Division																																
Addison, Dam 45 O							.39	.03								T.	.28						.06	.07				.27			.64	1.16
Anchorage O						.01	.19										.09										.31					0.60
Bardstown S							.20										.22						.43				.4					1.05
Bowling Green G						T.	.33	.05								T.	.36						.32	.45				.51			.67	1.87
Bowling Green, No. 2 G						.05	.35	.03									.13							T				.51		.14		1.23
Brownsville, Lock No. 6 G							.26	.05									.31						.05	.21				.06			.11	1.69
Burnside C							1.36	.01									.08	.01					.11	.56				.18			.65	2.51
Carrollton (Lock No. 1) K							.14																		.34			.20				0.73
Cold Spring, Dam 36 O	T.						.13	T									.04	T.					.65	.02				.26			.65	2.05
Dix Dam, Bargin K						.18	.12															.23	.25				.25					1.03
Eubank S						.28												.31														1.04
Frankfort K							T.	.02									.15	T.					.68	.10				.34				0.69
Franklin G				.15												.50							.25							.07		0.92
Gest, Lock No. 3 K		T.					.05	.02									.08	.02					.22	.07				.05				0.81
Grant, Dam 39 O	T.					.01	.21	.02									.10	T					.02	.07				.27			T	0.68
Greensburg G								.01									.16						.33	.01			.29	.06		T	.67	0.93
High Bridge, Lock No. 7 K							.10	.06									.09						.18	.22				.20				0.75
Irvington O						.03	.24	T									.28	T.					.13				.47		T.	T.		1.13
Junction City K							1.03										.50						.40	T.			.38					2.68
Lancaster K							.51	.09									.05	.25					.14	.34				.35				1.78
Leitchfield K						.62	.12	T.									.45		T.				.20	T.			.51			.11		1.51
Lexington *** K						T.	.04	T.								.11	.03		T.				.18				.27		T.	T		0.63
Little Hickman, Lock No. 8 K							.28	.18									.05						.28	.18				.18				1.15
Lockport, Lock No. 2 K						T.																.35	.06				.28					0.76
Louisville*** O							.26	.01									.08	.15					.06				.24		T	T		0.80
Do. (Cherokee Park) O						T.	.20										.03	.20					.18				.38					1.80
Munfordville G							.08																	.38			.14					0.60
St. John S						T.	.18									T.	.54						T.				.56	.12		T.		1.40
Salvisa, Lock No 6 K							T.										.22						.20	.25				.10				1.07
Scott J.		T.						.27									.01	.05					.12				.39				.04	0.88
Shelbyville S							.09	T.									.02						.17				.38				.01	0.87
Taylorsville S						T.	.05		.02								.18	.31					.14				.47			T.		1.20
Tyrone, Lock No. 5 K							.08										.08	.02					.18				.38			T		0.75
Williamstown J.							.09										.02	.10					.27				.50			.42		1.60
Woodbury, Lock No. 4 G						.03	.18	.06									.07						.02	.16				.57			.67	1.80
Eastern Division																																
Ashland 31 O							.08								.26	.02		.08					.04	.23				.22			.01	0.84
Beattyville K							.26	.08								.03	.02	.06					.15	.28				.46				1.28
Berea K							.41										.21						.43	.03			.32	.04				1.44
College Hill, Lock No. 11 K			T.				.40	.18									.03	.25					.20	.28				.25		T.		1.79
Cynthiana J.						T.		T.									T.						.16	.04				.36		T.		0.44
Falmouth K							.05	.01									.08	T.					.20	.05				.40			.01	0.80
Farmers L							.10								.31									.50				.35					1.05
Flemingsburg L							.11	.09						.10									.50				.45			.42		1.67
Ford, Lock No. 10 K							.19	.03									.10	.07					.09	.22				.32				1.02
Grayson J.		T.					.24	.04							.16	.51		.04					.10	.15				.24			.05	1.51
Greenup, Dam 30 O							.09								.29			.08					.03	.22				.29			.04	1.64
Harlan C								.84									.02						.10	.60				.02	.03			1.61
Hazard K							.60	.23								T.	.05	.03					.15	.30				.04		T.		1.40
Heidelberg, Lock No. 14 K							.25	.08									.03	.07					.14	.27				.46				1.23
Jenkins K						.14	.61										.15					.10	.70			.01	.03			.04	1.78
Louisa J.							.00	.01									.17	.03					.14	.31				.19			.07	1.44
Manchester K							.88	.01										.57					.23	.26				.67				2.12
Maysville O							.04	T.										.02					.12	.14				.37			.01	0.70
Middlesboro C							1.09																.22	.32				.26				1.89
Mount Sterling J.							.26								.02	.08							.58				.26			T		1.18
Oneonta Dam 35 O		T.					.07	T										.15	.04				.05	.08				.46		T.	.05	0.82
Pikeville K							.12	.15							T.	.15		.10					.06	.55			T.			T		1.13
Prestonsburg K								.25							T.	.27		.08						.43				.07					1.09
Quicksand K						.26		.15									.03	.11				.20		.23				.24					1.13
Ravenna, Lock No. 12 K							.14	T								T	T	.18					.10	.19				.25					0.86
Richmond K							.40	.20									.20						.20	.30				.25		T		1.55
Valley View, Lock No. 9 K						.14	.28									.12	.16					.10	.25				.30			.03	1.48
Vanceburg, Dam No. 32 O							.05								.58		.02	.03						.26				.40				1.38
Whitesburg K							.37	.26								.10		.05					.16	.45				.02				1.18
Williamsburg C							.65	.36								.40	.04						.15	.30				.49		.10		1.73
Willow, Lock No. 13 K								.30		.10												.25	.25				.47					1.37

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

/ Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

28 Dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (O) Ohio; (M) Mississippi. ¶ Lone Oak

T) Tennessee;

Errata for September, 1930

Dix Dam, mean minimum temperature 62.0; monthly mean 73.8.
Paducah (near) Mean maximum temperature 86.7; monthly mean 74.3; departure +1.3

Farmers, greatest 24-hour precipitation 0.75 on 13th.
Cynthiana, total precipitation 1.42; departure −2.19.

Daily Temperatures for October, 1930.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	71	78	84	80	78	80	75	72	86	88	83	89	88	88	80	87	77	57	52	51	55	55	54	60	59	70	65	72	63	56	48	71.2
	Minimum	36	34	37	44	42	49	61	52	63	54	52	50	51	48	56	55	44	33	31	27	29	21	42	32	27	29	49	46	29	35	39	42.1
Calhoun	Maximum	68	72	81	78	72	76	72	70	82	84	85	85	83	84	80	84	77	55	48	49	50	52	52	51	58	69	68	70	62	54	46	68.1
	Minimum	45	41	44	50	49	54	63	61	65	57	58	56	56	53	59	58	43	36	37	30	35	28	42	33	35	33	51	51	38	35	34	46.0
Earlington	Maximum	71	75	81	82	74	79	73	73	84	85	87	87	83	85	78	84	78	68	57	49	51	50	51	54	51	56	59	71	62	61	57	69.9
	Minimum	40	38	42	48	47	56	64	63	65	56	54	55	53	51	59	56	44	38	36	31	32	30	41	34	32	31	47	52	31	37	33	45.0
Greenville	Maximum	70	76	84	81	75	80	...	...	76	...	86	88	86	81	85	80	83	77	55	52	50	50	55	51	58	60	70	64	70	62	57	46	[1]69.1
	Minimum	41	35	40	46	43	53	...	...	60	...	58	53	52	51	50	57	54	41	31	32	28	33	28	42	33	32	38	51	50	30	32	[1]41.9
Hopkinsville	Maximum	75	80	88	87	80	80	73	71	85	89	88	89	87	86	83	83	75	56	59	55	52	53	52	61	64	72	64	71	62	54	46	71.0
	Minimum	45	44	43	53	50	56	63	62	65	56	58	55	59	54	59	57	41	33	34	36	34	33	44	36	34	38	46	51	33	34	32	48.4
Lovelaceville	Maximum	73	79	85	84	77	79	78	81	85	84	85	87	86	85	80	83	75	56	59	55	52	53	52	61	64	72	64	71	62	54	46	71.1
	Minimum	40	39	39	48	44	55	59	59	57	52	55	53	57	55	56	53	40	28	31	35	33	29	41	27	29	31	43	49	26	32	27	42.9
Marion	Maximum	68	72	79	80	75	76	73	76	85	84	81	81	83	80	80	80	86	59	49	51	47	48	50	58	57	67	58	67	58	60	48	67.8
	Minimum	44	44	51	53	52	60	63	63	64	63	61	73	61	58	57	58	40	25	31	30	34	33	34	35	35	41	50	48	40	35	32	47.2
Mayfield	Maximum	80	83	89	85	77	73	80	...	91	88	89	89	86	82	85	79	66	59	60	56	51	49	52	62	67	71	70	67	65	60	41	[2]72.8
	Minimum	45	40	45	51	54	54	63	63	...	59	58	57	60	56	57	62	42	37	36	37	33	33	43	33	34	38	49	50	32	36	28	[2]46.8
Murray	Maximum	74	84	86	87	81	76	74	82	87	91	87	87	85	83	81	80	68	60	56	53	53	56	63	66	72	67	73	61	59	48	72.9
	Minimum	38	34	38	44	50	52	62	63	61	55	51	50	51	50	60	53	43	32	30	40	32	29	40	30	30	28	44	44	30	35	28	43.1
Owensboro	Maximum	64	68	66	73	65	74	71	76	77	80	82	81	82	80	75	82	65	51	49	41	40	49	49	51	55	67	59	68	61	51	43	63.8
	Minimum	45	44	44	52	50	52	61	59	63	62	59	55	55	52	56	56	42	33	30	28	30	30	41	29	30	30	46	47	29	29	31	44.4
Paducah (near)	Maximum	74	78	84	86	75	77	78	80	86	88	89	93	92	82	77	82	79	55	54	50	50	51	49	50	51	63	63	65	60	54	45	70.3
	Minimum	44	40	43	49	51	58	59	63	62	58	58	71	70	54	57	62	41	36	37	31	31	32	43	32	33	33	51	49	32	36	34	47.2
Princeton	Maximum	69	74	81	80	75	76	73	76	85	87	88	89	87	85	81	83	76	64	65	54	53	49	53	58	58	68	68	70	67	65	60	69.4
	Minimum	47	44	44	52	52	57	62	68	65	57	58	55	56	53	60	58	43	33	26	33	35	34	44	34	34	33	48	50	32	35	33	46.5
Russellville§§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Central Division.																																	
Anchorage	Maximum	68	70	75	76	76	79	78	70	80	85	87	86	87	84	85	84	71	58	45	49	51	55	46	54	54	60	61	68	55	49	42	67.2
	Minimum	41	39	45	50	46	48	59	56	60	53	58	49	52	45	54	58	50	33	27	18	28	22	41	28	24	29	38	47	26	29	29	40.7
Bardstown	Maximum	70	74	79	79	79	79	76	71	84	85	84	88	88	86	86	85	65	57	46	51	55	57	50	57	57	72	65	70	60	47	45	69.4
	Minimum	41	37	43	46	44	50	61	59	63	60	53	54	54	48	55	53	47	31	28	26	29	22	42	34	31	32	42	51	30	32	34	42.5
Bowling Green	Maximum	72	76	77	77	77	77	77	77	85	87	88	89	89	87	85	85	72	59	62	56	56	56	52	61	63	71	65	72	63	51	46	72.5
	Minimum	48	43	48	51	49	54	60	60	61	56	56	55	57	54	62	56	46	35	35	33	32	29	42	38	33	29	41	50	36	37	34	45.4
Dix Dam	Maximum	78	81	86	84	77	80	76	70	87	88	89	94	87	86	89	84	72	59	62	56	56	56	52	62	68	74	68	74	68	56	50	72.3
	Minimum	49	46	48	51	49	54	60	60	61	56	56	55	57	54	62	56	46	35	35	33	32	29	42	38	33	29	41	50	36	37	34	45.4
Elkhorn	Maximum	68	72	77	78	78	82	80	77	76	84	82	85	84	83	82	78	70	71	65	54	50	50	58	58	52	66	62	68	60	49	44	68.6
	Minimum	43	38	43	48	41	48	60	58	61	55	54	51	54	50	57	55	48	37	34	24	32	26	42	40	34	24	26	52	34	31	30	43.5
Elsmere	Maximum	66	72	77	78	82	80	77	76	84	82	85	84	83	82	78	83	70	71	65	54	50	50	58	58	52	66	62	68	60	49	44	68.3
	Minimum	37	35	37	39	36	44	54	51	60	53	54	50	50	51	53	55	50	37	25	22	24	20	35	27	26	21	26	38	28	31	29	38.5
Frankfort	Maximum	68	69	73	74	76	79	76	74	86	89	91	91	89	87	84	85	72	58	59	55	52	53	52	61	64	72	64	71	62	53	48	71.0
	Minimum	43	39	45	50	46	48	59	56	60	54	54	51	51	49	54	54	48	38	32	24	32	29	42	34	31	24	33	50	33	33	35	42.3
Franklin	Maximum	71	81	84	81	77	80	76	76	88	84	87	90	87	86	86	83	84	78	68	60	57	55	50	54	61	64	71	65	71	61	51	73.2
	Minimum	48	40	43	52	49	51	62	60	62	58	57	55	55	55	59	58	46	37	35	36	32	28	41	28	30	29	48	51	34	37	33	46.2
Greensburg	Maximum	67	74	79	78	81	79	77	72	82	83	85	85	85	81	81	82	74	56	55	53	53	55	51	57	53	69	67	68	60	52	45	69.1
	Minimum	46	44	50	53	49	51	62	60	62	58	57	55	55	55	59	58	46	37	35	36	32	28	41	28	30	29	48	51	34	37	33	46.2
Irvington	Maximum	67	74	79	78	81	79	77	72	82	83	85	85	85	81	81	82	74	56	55	53	53	55	51	57	53	69	67	68	60	52	45	69.1
	Minimum	46	44	50	53	49	51	62	60	62	58	57	55	55	55	59	58	46	37	35	36	32	28	41	28	30	29	48	51	34	37	33	46.2
Junction City	Maximum	68	69	73	74	76	79	76	74	86	89	91	91	89	87	84	85	72	58	59	55	52	53	52	61	64	72	64	71	62	53	48	71.0
	Minimum	43	39	45	50	46	48	59	56	60	54	54	51	51	49	54	54	48	38	32	24	32	29	42	34	31	24	33	50	33	33	35	42.3
Leitchfield	Maximum	71	81	84	81	77	80	76	76	88	84	87	90	87	86	86	83	84	78	68	60	57	55	50	54	61	64	71	65	71	61	51	73.2
	Minimum	48	40	43	52	49	51	62	60	62	58	57	55	55	55	59	58	46	37	35	36	32	28	41	28	30	29	48	51	34	37	33	46.2
Lexington	Maximum	67	74	79	78	81	79	77	72	82	83	85	85	85	81	81	82	74	56	55	53	53	55	51	57	53	69	67	68	60	52	45	69.1
	Minimum	46	44	50	53	49	51	62	60	62	58	57	55	55	55	59	58	46	37	35	36	32	28	41	28	30	29	48	51	34	37	33	46.2
Louisville	Maximum	65	68	74	73	74	75	74	70	80	83	85	84	82	82	82	81	68	49	43	44	45	51	46	54	54	63	65	65	57	47	43	65.3
	Maximum	65	68	74	73	74	75	74	70	80	83	85	84	82	82	82	81	68	49	43	44	45	51	46	54	54	63	65	65	57	47	43	65.3
Pan-American Park)	Maximum	45	46	53	53	49	54	60	60	63	59	61	59	57	55	60	58	38	28	31	36	31	31	41	30	34	33	52	48	38	37	35	47.4
	Maximum	66	66	72	72	73	74	73	73	81	85	87	87	85	83	83	81	70	55	49	43	47	51	51	54	54	64	63	65	64	55	47	66.4
St. John	Minimum	42	41	48	48	45	50	58	56	61	55	56	54	54	50	58	56	45	36	35	26	34	25	41	35	31	25	46	50	34	36	35	44.9
	Minimum	42	41	48	48	45	50	58	56	61	55	56	54	54	50	58	56	45	36	35	26	34	25	41	35	31	25	46	50	34	36	35	44.9
Scott	Maximum	70	71	77	75	76	77	77	77	83	85	87	86	86	85	85	85	72	70	70	51	50	47	45	49	53	67	66	67	66	55	47	69.1
	Minimum	46	39	47	56	51	50	56	57	57	56	50	54	51	51	53	57	42	40	31	28	36	27	44	32	29	27	41	40	40	36	33	44.3
Shelbyville	Maximum	63	67	66	70	75	78	73	71	80	83	84	85	80	80	80	81	74	74	50	48	44	46	47	57	59	69	62	64	60	60	43	66.8
	Minimum	39	38	51	48	45	38	58	56	63	57	50	51	51	49	53	55	46	34	36	22	30	18	30	35	29	21	43	50	33	35	32	42.9
Taylorsville	Maximum	64	68	74	74	74	77	74	74	83	83	84	85	80	81	80	81	75	53	48	45	50	50	50	54	56	63	63	65	65	51	47	66.3
	Maximum	67	69	72	71	77	76	74	75	81	85	85	83	84	83	83	83	75	53	48	45	50	50	50	54	56	63	63	65	65	51	47	66.3
Williamstown	Maximum	59	58	49	46	41	51	59	56	61	57	54	53	51	52	51	56	45	32	31	21	30	23	38	35	27	21	41	40	31	33	33	42.3
	Minimum	39	38	49	46	41	51	59	56	61	57	54	53	51	52	51	56	45	32	31	21	30	23	38	35	27	21	41	40	31	33	33	42.3
Eastern Division.																																	
Ashland	Maximum	68	70	75	74	77	81	74	74	79	84	84	84	80	82	80	79	74	55	50	50	50	54	48	50	50	61	70	68	67	60	48	67.6
	Minimum	38	36	42	43	40	41	53	51	62	56	53	49	47	53	61	54	51	33	28	30	28	32	33	26	32	33	50	44	32	36	31	42.2
Beattyville	Maximum	67	73	77	77	77	80	77	77	82	84	85	85	83	83	83	82	74	56	53	52	52	54	52	57	56	67	68	68	66	58	52	69.8
	Minimum	35	32	37	41	37	41	53	54	57	53	49	45	43	46	53	48	50	30	26	20	26	17	41	40	27	19	37	43	28	33	28	40.1
Berea	Maximum	66	69	77	76	78	82	77	73	80	83	85	85	82	82	82	80	72	52	49	50	48	55	49	54	55	70	67	67	65	57	50	68.6
	Minimum	40	37	41	47	46	55	61	57	55	52	51	50	50	50	56	46	37	31	28	28	21	41	40	31	25	45	47	40	38	35	31	44.1
Carlisle	Maximum	68	73	74	76	79	80	77	72	82	85	86	86	82	82	80	81	77	75	...	65	58	59	57	51	53	54	68	70	70	60	55	69.8
	Maximum	68	73	74	76	79	80	77	72	82	85	86	86	82	82	80	81	77	75	...	65	58	59	57	51	53	54	68	70	70	60	55	69.8
Farmers	Maximum	54	54	57	58	56	65	61	55	61	61	61	49	45	44	46	57	49	49	...	24	19	25	16	37	49	25	39	26	49	28	25	[3]39.6
	Maximum	54	54	57	58	56	65	61	55	61	61	61	49	45	44	46	57	49	49	...	24	19	25	16	37	49	25	39	26	49	28	25	[3]39.6
Harrodsburg	Maximum	70	75	81	80	75	81	80	64	83	84	86	85	84	84	82	81	80	70	64	63	58	60	50	59	46	62	56	72	71	61	57	70.1
	Maximum	70	75	81	80	75	81	80	64	83	84	86	85	84	84	82	81	80	70	64	63	58	60	50	59	46	62	56	72	71	61	57	70.1
Hazard	Maximum	36	35	39	42	40	45	51	45	55	57	53	49	46	50	53	54	55	33	31	28	27	30	34	46	45	53	57	56	57	53	48	48.2
	Maximum	65	76	72	74	79	82	77	75	83	85	86	85	84	83	84	83	79	75	53	50	49	50	48	55	53	67	68	70	67	58	53	68.3
Maysville	Maximum	37	39	45	45	40	44	57	57	63	55	52	50	48	49	52	51	48	35	32	31	32	40	43	39	36	52	59	62	60	52	50	47.6
	Minimum	37	39	45	45	40	44	57	57	63	55	52	50	48	49	52	51	48	35	32	31	32	40	43	39	36	52	59	62	60	52	50	47.6
Middlesboro	Maximum	70	74	77	80	79	77	76	70	78	79	81	79	76	75	76	76	71	57	54	50	50	52	53	49	50	57	65	67	66	58	54	67.5
	Maximum	70	74	77	80	79	77	76	70	78	79	81	79	76	75	76	76	71	57	54	50	50	52	53	49	50	57	65	67	66	58	54	67.5
Mount Sterling	Maximum	68	69	75	73	75	80	75	76	86	81	82	82	82	79	81	79	76	55	52	51	48	50	50	56	45	48	63	68	68	58	50	67.5
	Maximum	68	75	79	79	81	84	82	75	89	85	86	87	84	85	85	83	79	54	52	51	48	50	50	56	45	48	63	68	68	58	50	67.5
Owingsville	Maximum	38	38	38	40	39	40	45	51	52	56	53	52	46	46	47	50	52	34	30	30	33	34	38	48	48	56	62	64	59	53	49	46.3
	Minimum	38	35	39	43	44	45	51	52	56	53	52	46	46	47	50	50	53	31	28	23	29	25	36	39	40	30	48	51	30	28	24	43.6
Richmond	Maximum	68	73	78	78	80	82	80	77	82	85	86	87	84	85	85	83	80	57	55	53	51	53	53	58	48	52	66	70	68	60	54	70.0
	Minimum	39	38	39	40	39	40	45	51	52	56	53	52	46	46	47	50	52	34	30	30	33	34	38	48	48	56	62	64	59	53	49	46.3
Winchester	Maximum	70	76	80	80	81	82	79	78	85	85	85	85	83	83	83	82	79	57	55	53	51	53	53	58	48	52	66	70	68	60	54	70.0
	Maximum	70	76	80	80	81	82	79	78	85	85	85	85	83	83	83	82	79	57	55	53	51	53	53	58	48	52	66	70	68	60	54	70.0
	Minimum	36	36	42	43	43	47	55	54	55	57	54	49	48	52	53	51	50	31	28	29	29	30	33	37	40	30	48	51	30	28	24	43.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* ** and [1] indicate respectively 1, 2 ... days missing from record.

W. B. Hall, Section Director.

5 3 1.05
UNIVE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

THE LIBRARY OF THE
JAN 1931
UNIVERSITY OF ILLINOIS

KENTUCKY SECTION.

JAMES L. RANDALL, Meteorologist.

VOL. XXXV LOUISVILLE, KY., NOVEMBER, 1930 No. 11

GENERAL SUMMARY.

Freezing weather in the first week checked growth which had been previously retarded by the increasing dryness of the soil. Wheat was undersized and pastures were again nearly bare at this time. Moderate showers in the second decade and warm weather that lasted nearly two weeks greatly benefited fall grains. In many fields wheat reached a good size, improved in greenness, and largely covered the ground. Pastures revived to some extent, but the season was too late for continued growth. This growing period ended rather sharply with a decline in temperature that started on the 24th and culminated quickly in mid-winter conditions. The premature cold caused much suffering and unusually heavy demands on relief agencies, accentuated in part by the cumulative effect of the long drought. Precipitation occurred mostly as light to moderate showers which resulted in little or no run-off to streams. As a result the water shortage with respect to livestock and supplies for cities remained much the same as in past months, alleviated only by the lessened demand due to colder weather. The severe cold of the last week froze the shrinking pools and increased the difficulty of obtaining water on the farm. Frequent light showers, with cloudiness and fog, about the middle of the month, provided the first extended period of weather suitable for handling tobacco. Stripping and preparation for market proceeded rapidly after the 10th. This weather was also favorable for moving corn fodder, which had been uniformly saved this year of feed shortage. Except on a few cold days near the end conditions were favorable for gathering the limited crop of corn. As a result of the continued dry weather the quality of the corn averaged better than usual. The same weather conditions favored the rapid progress of cotton picking. Springs continued to fail in the central and eastern uplands. Small streams remained dry and larger streams contained only occasional pools, from which water was hauled for long distances. As a rule the catch in cisterns was sufficient for domestic needs.

TEMPERATURE.

Reports from 41 stations gave an average temperature of 47.1° for the State, which is slightly above normal. The first week was quite cold, with severe freezes on several days. The next two weeks were unseasonably warm, with day temperatures rising above 80° at many stations in the period 18-20th. A cold wave on the 26th and 27th, of marked severity for that early date, brought zero temperatures to many districts. Extremes for the States were 86° at Murray on the 19th and −4° at Mt. Sterling on the 27th.

PRECIPITATION.

The average precipitation, based on the records of 81 stations, was 1.82 inches, which is only slightly more than half the normal amount. In the periods 10-13th and 15-17th, moderate to heavy showers were fairly general. Light and irregularly distributed showers occurred in the periods 1st-5th, 20th-22d, and 24-27th. Heavier showers, but still variable in amount, occurred on the 20th. In general precipitation was considerably heavier in the extreme southeastern, the southcentral, and the southwestern counties, where it ranged from 2.2 to 3.7 inches. Northward from these districts to the Ohio River there was an irregular decrease to about 1.0 inch. The total snowfall

ranged from trace in the western counties to [illegible] Valley. The principal [illegible] Harlan and Whitley [illegible] greatest in the Cumberland to the State that had [illegible] stations were located.

PRESSURE AND WIND.

Stations	Atmospheric Pressure (Inches reduced to sea level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Prevailing Direction.	Wind. Mean Velocity (Miles per hour.)	Wind. Maximum Velocity. Miles per hour.	Wind. Maximum Velocity. Direction.	Wind. Maximum Velocity. Date.
Cairo	30.15	30.65	1	29.70	16	SW.	7.7	37	W.	14
Cincinnati	30.17	30.66	1	29.44	16	SW.	8.6	34	NW.	14
Evansville	30.17	30.70	1	29.49	16	SW.	8.6	34	NW.	14
Lexington	30.21	30.74	1	29.54	16	SW.	8.6	37	NW.	14
Louisville	30.18	30.75	1	29.51	16	SW.	8.8	34	NW.	14

*For any five-minute period. By Casey anemometer for [illegible] miles, [illegible]

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Rel. Humidity. Noon	Rel. Humidity. 7 p. m.	Sunshine. Total hours of sunshine.	Sunshine. No. of hours possible.	Sunshine. Percentage of possible.	Sunshine. Number of clear days. 80 per cent or more.	Sunshine. Number of cloudy days. 20 per cent or less.
Cairo	82	65	67	141.7	305.6	49	12	14
Cincinnati	88	66	68	122.0	305.5	45	11	11
Evansville	79	64	62	172.0	305.5	59	11	14
Lexington	79	63		148.[illegible]	305.5	49	10	11
Louisville	78	58	59	163.2	305.5	55	13	9

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature. Mean.	Temperature. Departure from Normal.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Monthly Average.	Precipitation. Departure from Normal.	Precipitation. No. of days with .01 inch or more.	Average Number of Days. Clear.	Average Number of Days. Partly Cloudy.	Average Number of Days. Cloudy.	Average Snowfall.
1901	44.1	−3.3	85	26	6.64	−2.47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1902	48.0	−0.2	84	19	4.85	+1.30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1903	46.5	−2.9	86	24	6.64	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1904	48.8	−3.6	87	28	3.80	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1905	48.3	−2.1	82	19	4.42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1906	47.2	−3.1	84	23	4.39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1907	50.7	−0.6	91	24	4.26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1908	48.3	+2.9	91	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1909	47.8	+1.4	92	19	[illegible]	[illegible]	12	16	15	10	1
1910	46.2	−2.2	86	16	[illegible]	[illegible]	7.8	[illegible]	12	11	6.5
1911	49.8	+3.4	90	24	[illegible]	−1.45	8	[illegible]	13	12	2
1912	45.0	+0.6	85	15	[illegible]	[illegible]	[illegible]	[illegible]	13	6	9	1.5
1913	45.8	−1.6	86	18	[illegible]	[illegible]	[illegible]	[illegible]	12	5	13	[illegible]
1914	48.5	+1.1	89	21	[illegible]	[illegible]	[illegible]	[illegible]	11	5	14	4.5
1915	45.5	−3.9	84	21	[illegible]	[illegible]	[illegible]	[illegible]	12	6	12	2.0
1916	45.7	−1.7	84	18	[illegible]	[illegible]	[illegible]	[illegible]	13	6	11	[illegible]
1917	46.4	0.0	84	14	[illegible]	[illegible]	[illegible]	[illegible]	15	8	8	[illegible]
1918	49.1	+0.3	84	21	[illegible]	[illegible]	[illegible]	[illegible]	13	6	11	[illegible]
1919	48.3	−0.2	84	18	[illegible]	[illegible]	[illegible]	[illegible]	13	6	11	[illegible]
1920	48.3	+2.2	84	19	[illegible]	[illegible]	[illegible]	[illegible]	14	7	10	1
1921	51.1	+3.3	88	24	[illegible]	[illegible]	[illegible]	[illegible]	14	7	9	[illegible]
1922	47.1	−0.8	84	21	[illegible]	[illegible]	[illegible]	[illegible]	15	8	7	[illegible]
1923	46.6	−1.2	84	19	[illegible]	[illegible]	[illegible]	[illegible]	14	6	10	[illegible]
1924	47.0	+0.1	84	18	[illegible]	[illegible]	[illegible]	[illegible]	15	5	9	[illegible]
1925	50.0	+2.5	87	21	[illegible]	[illegible]	[illegible]	[illegible]	12	5	13	[illegible]
1926	47.5	+0.4	84	19	[illegible]	[illegible]	[illegible]	[illegible]	13	5	12	[illegible]
1927	44.3	−2.7	84	17	[illegible]	[illegible]	[illegible]	[illegible]	14	5	11	[illegible]
1928	46.1	−0.9	84	19	[illegible]	[illegible]	[illegible]	[illegible]	13	5	12	[illegible]
1929	47.3	+0.3	84	19	[illegible]	[illegible]	[illegible]	[illegible]	13	5	12	[illegible]
1930	44.7	−1.7	86	19	[illegible]	[illegible]	[illegible]	[illegible]	12	5	13	[illegible]
1931	48.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1932	48.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1933	47.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1934	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1935	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1936	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1937	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1938	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1939	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1940	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Climatological Data for November, 1930.

Stations	Counties	Elevation, ft.	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.
Western Division.																			
Beaver Dam	Ohio	441	26	48.8	+ 1.9	82	18	11	27	33	1.88	−1.30	0.40	.....	7	11	7	12	n.
Calhoun	McLean	437	26	48.4	+ 0.2	79	18†	13	27	36	1.27	−2.19	0.41	T.	7	7	11	12	e.
Carlington	Hopkins	420	40	48.4	+ 0.6	80	19	16	27	35	1.72	−2.26	0.63	0	7	14	2	14	s.
Fords Ferry, Dam 50	Crittenden	356	..	.....		.....	.....	.....	.....	.....	1.94	.....	0.55	T.	8	.....	.....	.....	.....
Greenville	Muhlenburg	519	13	*47.2	− 0.6	79a	17†	12a	27	41a	2.29	−1.70	0.65	.....	8	12a	11a	6a	s.
Hopkinsville	Christian	524	34	49.3	+ 0.8	83	18	17	27	37	2.44	−1.74	0.68	0.1	11	7	3	20	se.
Lovelaceville	Ballard	.....	1	48.4	.....	82	18	18	1	42	2.64	.....	0.90	T.	7	13	6	11	s.
Marion	Crittenden	571	32	48.5	+ 0.2	80	18	15	27	33	1.64	−2.25	0.60	.....	6	15	6	9	e.
Mayfield	Graves	361	21	b49.2	+ 0.4	81b	19	17b	28	34b	2.88	−1.24	1.04	.....	6	13b	2b	13b	sw.
Murray	Calloway	412	4	49.0	.....	86	19	15	28	46	2.50	.....	0.83	0	7	14	1	15	s.
Owensboro	Daviess	479	33	47.1	−0.1	78	19	10	27	39	1.53	−1.93	0.53	T.	6	13	4	13	s.
Owensboro, Dam 46	Daviess	404	2	.....		.....	.....	.....	.....	.....	1.89	.....	0.45	1.0	12	.....	.....	.....	.....
Owensboro, Dam 46	Daviess	404	2	.....		.....	.....	.....	.....	.....	3.04	−1.25	0.99	.....	9	14	3	13	se.
Paducah (near)	McCracken	516	13	48.0	0.0	80	17†	17	26†	38	2.23	−1.81	0.67	T.	8	.....	.....	.....	.....
Paducah	McCracken	341	41	.....		.....	.....	.....	.....	.....	1.71	−2.33	0.43	T.	13	11	2	17	s.
Princeton	Caldwell	529	23	48.0	+ 1.1	79	18†	16	27	37	1.84	−2.11	0.44	0.2	8	.....	.....	.....	.....
Ramsey, Lock 2	McLean	384	13	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Russellville	Logan	590	19	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Uniontown, Dam 43	Union	357	2	.....		.....	.....	.....	.....	.....	1.31	.....	0.46	.....	11	.....	.....	.....	.....
Central Division.																			
Addison, Dam 45	Breckinridge	352	2	.....		.....	.....	.....	.....	.....	1.99	.....	0.52	.....	10	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	700	29	44.6	+ 0.2	79	18†	1	28	44	1.88	−1.24	0.61	0.3	8	13	4	13	se.
Bardstown	Nelson	637	33	47.5	+ 0.8	82	19	8	27	45	2.61	−0.77	0.70	0.5	10	11	9	10	s.
Bowling Green	Warren	500	41	49.2	+ 1.6	83	19	16	27	40	2.99	−0.82	0.70	T.	10	12	8	10	w.
Bowling Green, No. 2	Warren	469	5	.....		.....	.....	.....	.....	.....	1.85	.....	0.50	0.3	9	.....	.....	.....	T. Rowe.
Brownsville, Lock 6	Edmonson	410	13	.....		.....	.....	.....	.....	.....	2.37	−2.18	0.55	T.	9	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	775	39	.....		.....	.....	.....	.....	.....	1.95	−1.57	0.65	T.	8	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	31	.....		.....	.....	.....	.....	.....	1.19	−1.99	0.43	.....	5	.....	.....	.....	Shelby Angel.
Cold Spring, Dam 39	Campbell	489	4	.....		.....	.....	.....	.....	.....	1.14	.....	0.38	2.0	11	.....	.....	.....	Reuben Hartley.
Dix Dam, Burgin	Mercer	770	6	46.6	.....	80	19	4	26	45	1.95	.....	0.92	2.0	9	13	3	14	s.
Eubank	Pulaski	1177	36	46.2	+ 1.1	81	19	4	27	47	1.24	−1.63	0.57	0.5	6	10	5	15	s.
Frankfort	Franklin	560	38	46.7	+ 0.3	76	19	7	27	39	1.13	−2.13	0.49	0.5	9	11	4	15	s.
Franklin	Simpson	691	35	48.8	− 1.0	82	19	16	27	39	1.45	−2.20	0.45	0.0	6	22	3	5	s.
Frost, Lock 8	Henry	449	19	.....		.....	.....	.....	.....	.....	1.30	−1.82	0.38	1.0	12	.....	.....	.....	Louis Shiddell.
Grant, Dam 38	Boone	780	9	.....		.....	.....	.....	.....	.....	1.13	.....	0.43	.....	8	.....	.....	.....	H. W. Sprague.
Greensburg	Green	581	37	46.8	+ 1.6	80	19	11	27	44	2.24	−1.47	0.35	T.	12	9	3	18	e.
High Bridge, Lock 7	Jessamine	550	28	.....		.....	.....	.....	.....	.....	1.87	−1.20	0.90	1.4	11	.....	.....	.....	Mrs. Ruby L. Simpson.
Irvington	Breckinridge	646	32	47.5	− 0.9	77	19	8	27	34	2.01	−1.34	0.63	0.2	8	12	5	13	sw.
Junction City	Boyle	985	36	46.0	+ 2.1	80	19	− 1	28	47	2.21	−1.03	0.75	1.5	12	9	16	5	sw.
Lancaster	Garrard	1032	4	.....		.....	.....	.....	.....	.....	1.79	.....	0.68	.....	12	.....	.....	.....	.....
Leitchfield	Grayson	695	34	48.1	+ 1.6	79	19	10	27	35	2.42	+1.54	0.72	T.	10	13	5	12	sw.
Lexington	Fayette	989	46	45.6	+ 0.8	77	19	3	27	32	1.59	−1.75	0.78	0.9	11	11	8	11	s.
Little Hickman, Lock 8	Jessamine	523	19	.....		.....	.....	.....	.....	.....	2.68	−1.07	0.98	2.0	11	.....	.....	.....	H. A. Hubbard.
Lockport, Lock 2	Henry	476	20	.....		.....	.....	.....	.....	.....	1.42	−1.42	0.35	1.0	7	.....	.....	.....	Frank Litch.
Louisville	Jefferson	525	57	46.8	+ 0.1	78	19	8	27	33	2.11	−1.50	0.64	1.7	13	12	5	13	so.
Manfordville	Hart	690	5	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Sisters of Loretto.
St. John	Hardin	777	35	47.8	+ 2.1	80	20	4	27	35	2.53	−1.00	0.86	1.0	9	13	8	9	Ernest M. Searcy.
Salvisa, Lock 6	Mercer	190	16	.....		.....	.....	.....	.....	.....	1.96	−0.63	0.90	1.0	6	.....	.....	.....	.....
Scott	Kenton	900	32	45.0	+ 0.2	76	19	0	27	37	1.17	−1.68	0.52	1.7	9	10	7	13	s.
Shelbyville	Shelby	825	41	46.0	+ 1.5	78	19	4	28	37	1.47	−2.07	0.41	0.6	13	15	0	15	s.
Taylorsville	Spencer	489	28	44.6	− 0.2	77	19	2	28	43	1.64	−1.69	0.48	0.6	10	13	4	13	se.
Tyrone, Lock 5	Anderson	526	12	.....		.....	.....	.....	.....	.....	2.02	0.66	0.50	0.8	11	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	943	27	45.0	− 0.1	78	18†	0	27	42	1.83	−1.96	0.57	1.5	15	14	5	11	w.
Woodbury, Lock 4	Butler	553	13	.....		.....	.....	.....	.....	.....	1.85	−2.23	0.48	0.1	9	.....	.....	.....	Miss Nettie B. Simpson.
Eastern Division.																			H. J. Lewis.
Ashland	Boyd	534	13	46.6	− 0.3	78	19	5	27	42	1.14	−2.44	0.27	1.5	12	9	0	21	se.
Beattyville	Lee	650	26	45.5	+ 0.6	79	19	0	27	52	1.90	−1.91	0.56	2.3	13	7	9	14	s.
Berea	Madison	1070	25	47.5	+ 0.2	80	19	3	27	37	1.16	−1.54	0.48	1.6	12	14	7	9	w.
College Hill, Lock 11	Madison	601	20	.....		.....	.....	.....	.....	.....	1.15	−2.01	0.32	0.8	10	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	12	.....		.....	.....	.....	.....	.....	1.64	−1.68	0.45	1.5	8	.....	.....	.....	P. H. Rehoe.
Falmouth	Pendleton	690	11	.....		.....	.....	.....	.....	.....	1.13	−2.15	0.26	0.7	11	.....	.....	.....	J. V. Oldham.
Farmers	Rowan	668	22	*46.1	+ 1.0	81a	18†	0a	28	50a	1.21	−1.85	0.34	1.0	5	13a	4a	12a	e
Flemingsburg	Fleming	841	3	.....		.....	.....	.....	.....	.....	1.47	.....	0.75	.....	8	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	593	14	.....		.....	.....	.....	.....	.....	1.43	−1.70	0.52	1.0	11	.....	.....	.....	John A. Walters.
Grahson	Carter	589	5	.....		.....	.....	.....	.....	.....	1.51	.....	0.34	1.0	9	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	9	.....		.....	.....	.....	.....	.....	1.15	−2.42	0.30	1.2	13	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	2	46.1	.....	80	19	6	27	55	3.69	.....	1.35	3.0	12	13	5	12	se.
Hazard	Perry	869	6	.....		.....	.....	.....	.....	.....	1.90	.....	0.38	2.3	11	.....	.....	.....	W. W. Duffield.
Heidelberg, Lock 14	Lee	664	13	.....		.....	.....	.....	.....	.....	2.72	.....	0.51	1.7	11	.....	.....	.....	Chas. O. Ihrig.
Jenkins	Letcher	1366	5	.....		.....	.....	.....	.....	.....	1.50	−1.47	0.30	.....	13	.....	.....	.....	S. C. Cole.
Louisa	Lawrence	584	26	.....		.....	.....	.....	.....	.....	1.32	−1.21	0.27	1.5	11	.....	.....	.....	R. R. Davidson.
Manchester	Clay	.....	10	.....		.....	.....	.....	.....	.....	1.81	−2.21	0.48	0.8	9	12	2	16	Russian Copley.
Maysville	Mason	529	33	*46.7	+ 2.0	79a	18†	− 2a	27	45a	0.81	−2.21	0.18	.....	7	10	18	2	Jeanett H. White.
Middlesboro	Bell	1128	34	45.4	− 0.6	78	19	3	27	46	3.69	−0.76	1.20	.....	7	17	3	10	Perry E. Bennett
Mount Sterling	Montgomery	920	40	48.8	− 0.2	76	18	− 4	27	45	1.48	−2.01	0.35	2.0	9	17	3	10	Matthew Woodson
Oneonta, Dam 35	Campbell	497	8	.....		.....	.....	.....	.....	.....	1.10	−2.43	0.33	1.5	12	.....	.....	.....	W. R. McKee.
Sybrook	Pike	656	21	.....		.....	.....	.....	.....	.....	2.25	−0.44	0.52	T.	16	.....	.....	.....	Otto Riddle.
Prestonsburg	Floyd	640	5	.....		.....	.....	.....	.....	.....	1.89	.....	0.75	1.0	8	.....	.....	.....	F. C. Hall.
Quicksand	Breathitt	732	5	46.0	.....	80	18†	− 2	27	51	2.11	.....	0.56	2.5	12	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	12	.....		.....	.....	.....	.....	.....	0.84	−2.98	0.24	1.3	6	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	39	47.6	+ 0.6	84	19	2	27	31	1.59	−1.63	0.50	2.5	8	12	0	18	J. W. Crooke.
Valley View, Lock 9	Madison	541	17	.....		.....	.....	.....	.....	.....	2.88	−0.80	0.90	3.0	12	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	15	.....		.....	.....	.....	.....	.....	1.82	−2.48	0.40	2.0	10	.....	.....	.....	H. H. Ennalls.
Whitesburg	Letcher	1142	5	.....		.....	.....	.....	.....	.....	2.16	.....	0.52	5.0	11	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	999	33	*47.7	+ 0.4	78a	17	8a	27	45a	1.50	−1.48	0.55	0.1	10	20c	7c	0c	H. F. Davis.
Worthington	Lewis	611	11	.....		.....	.....	.....	.....	.....	1.21	−2.97	0.40	2.0	7	.....	.....	.....	Jessie Hicks.
State averages and extremes		.....	.....	47.1	+ 0.7	86	19	− 4	27	55	1.89	−1.75	1.35	1.0	10	12	6	12	s.

‡ Instrument read at 7 a. m. and 7 p. m. from self-registering thermometers

The departures from normal temperatures and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky Rivers

References: letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. † Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.

- Also on other dates. ** Received too late to be included in means and summaries

* Post-office addresses.—Lock 5, Lawrenceburg, Ky.; Lock 6 Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

Beaver—The lowest streams compiled unusually low and the creeks mostly dry. ‡ Lone Oak reported a few more pools in creek, but they were not sufficient to start any

Errata for October, 1930.

Hopkinsville, mean maximum 71.6; mean monthly 59.0; departure −1.6

Daily Precipitation for November, 1930.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																															
Beaver Dam ..... G		.10								.10	.40	.20			.10	.28														.98	
Calhoun ..... G		.04	.06						T.		.41	.14		T	.02	.16					T			T		T	.1			.26	
Earlington ..... G			.12					.03	.03		.10				.31					.11										.20	.27
Ferds Ferry, Dam 50 ..... O			.04							.23	.1	.53	T		.05	.13					.20			T	T	T				.99	1.72
Greenville ..... G		.23							T.	.51	.33	.19		T	.05					.01					.03					.65	1.94
Hopkinsville C		.04								.15	.68	.30	.26		.04	.18	.39				.01		T	.05	T	T				.38	2.29
Lovelaceville ..... M		.10									.28		.26		.05	.12				.25			T		T					.38	2.44
Marion ..... O											.20	.60																			2.04
Mayfield ..... M			.13								.57	.30				.35				.62										.42	1.84
Murray ..... T		T.	T							.30	.45	.27	.11		.12	T.	.42			T.								T		.86	
Owensboro ..... O		.07	T.						T		.53	.15	.01	T			.26						T		T					.15	2.50
Owensboro, Dam 46 ..... O			.06								.41	.23	.45	.02		.05	.25				.02									.17	
Paducah (near) ¶ ..... O							.06	.23	.12	.14						.39			.10	.26	.60			.05	.07	.03	T			.27	
Paducah ..... O			.12								.28	.18	.32			.08	.16				.12		T	T							.94
Princeton ..... G		.05	.07	T.					.28	.12	.42	.04		.10	.10	T.				.10			.01	T	.68	.41		T	.17		2.57
Rumsey, Lock No. 2 ..... G			.06							.42	.44	.32			.08	.27								T	.02	T					1.71
Russellville ..... G																															1.81
Uniontown, Dam 49 ..... O			.15							.19	.14	.16	.02		.02	.10				.11				.03	.03		T		.36	
Central Division																															
Addison, Dam 45 ..... O			.07							.41	.06	.52	.01			.42					.05			.02	.13					.27	
Anchorage ..... O	T.	T.								.70	.16	.28	T.		.18	.05					.05			T.	T.	.03	T.			.61	
Bardstown ..... S										.70	.45	.24			.23	.10					.10				.10		.05			.30	
Bowling Green ..... G		.03							T.	.70	.30	.50	.08		.03						.10			.01	.06	T.				.50	
Bowling Green, No. 2 ..... G										.28	.50	.26	.17		.14	.15					.18				.02	.01	T.			.51	
Brownsville, Lock No. 6 ..... O			.01							.50	.55	.27	.03		.45	.07				.08			T	T	T					.37	
Burnside C		T.								.06	.23	.40	.10		.14	.20	.65				T		T.	T.	T.	T.				.38	
Carrollton (Lock No. 1) ..... K										.02	.27	.43																		.08	
Cold Spring, Dam 36 ..... O		T.	.02							T.	.46	.33	.03		.15	.02	T.			.04					.12					.35	
Dix Dam, Burgin ..... K		.01								.52	.55	.24		.08		.04				.05			.12	T			.15			.31	
Embank C											.27	.35									.09		.21	.01	.01					.34	
Frankfort ..... K			.06							T.	.39	.12	.13		.18	T.	.05			T	.02		T.	.03	T	T.				.53	
Franklin ..... G		.10									.45	.10		.10	.40	.10														.50	
Gest, Lock No. 3 ..... K	T.		.06							.03	.38	.14	.01		.15	.03	.08			.04	.01			.08						.25	
Grant, Dam 33 ..... O	T.		.01							T.	.13	.43	.03		.15	.02				T.	T.		T	.03	T					.30	
Greensburg ..... G			.03							.29	.84	.25	.03	.01	.10	.09	.09			.11										.33	
High Bridge, Lock No. 7 ..... K			.04								.90	.32	.12		.12		.03			.02		T.	.02	.10	.02					.18	
Irvington ..... O	T.									.03	.08	.42	T.		.09	.21				.04		T.	T.	.12	T				.42	
Junction City ..... K		1								.17	.75	.33	.05		.13	.03				.06	.02	T.	.07	.26	.08	T.			.38	
Lawrenceburg ..... K		.02								.02	.68	.12	.31		.11	.01	.05				.05		.16	.25	.07					.25	
Litchfield ..... G		.05								.72	.53	.32			.25	.05				.07			.05	.05	T					.55	
Lexington *** ..... K		.14								.62	.17	.26		T.	.06	T.	.01			.03		T.	.01	.04	.02					.34	
Little Beckman, Lock No. 8 ..... K			.05							T.	.58	.20	.16		.13	.05				.05			.10	.10	.05					.15	
Lockport, Lock No. 2 ..... K		T.						.05	.25	.20			.2	T					T.			T.	.06	T.			.28	.28		1.42
Louisville *** ..... O		T.						T.	.37	.56	.05		T	.31	.12			.06	.02			.01	.04	.08	.05		.06	.9		2.11
Mt. John ..... S								T	.80	.35	.22	T.		.10	.25			.05			.18	.20	T.		T.			.32	
Nalvisa, Lock No 6 ..... K			.15						T.	.50	.20	T.			T.	.26			T.			T.	.15	T.					.30	2.53
Olcott L		.01								.05	.03	.21			.15	.01				.03		T	T.							.52	1.96
Shelbyville ..... S		.03								.41	.13	.23	.02	.01	.20	.02				.11			.02	.02						.22	1.17
Taylorsville ..... S		.03								.41	.23	.18	T.		.16	.02				.07		T.	.05	.42						.48	1.87
Throne, Lock No. 5 ..... K		.04								.70	.15	.18			.20		.15			.11		.06		.05	.02					.42	1.64
Williamstown L		.04	.12							.16	.22	.20	.02		.26	.02	.03			.05		.05		.05	.10	.02				.57	1.86
Woodbury, Lock No. 4 ..... G			.05							.12	.18	.25			.23	.03				.0				.03	T					.21	
Eastern Division																															
Ashland ..... O			.09	.12							.15	.09	.27		.03	.2	.03	.09					.02	.02	T				.02	1.11
Beattyville ..... K	T.		.08	.02					T.	.03	.09	.56			.10	.08	.80				.03		.02	.16	.06	T.			.12	1.56
Berea ..... K										.14	.18	.34	.02			.09	.11			.05	.02		.03	.01	.05					.18	1.46
College Hill, Lock No. 11 ..... K											.32	.10	.26		.10	.05	.05				.03			.02	.08					.16	1.15
Cynthiana L									T.	.25	.15	.16		.12						.45			.03		T	.15	T			.55	1.64
Falmouth L			.08							.19	.22	.02		.19	T.	.03				.02				.02	.08	.02	T.			.28	1.76
Farmers L											.34		.32			.29														.10	1.21
Flemingsburg L										.85		.32			.26					.10			.05	.10					.35	1.47
Ford, Lock No. 10 ..... K	T.		.05						T.	.62	.2	.21	T.	.12	T.	.02				.03	T.		.05	.01	.05	T.			.17	1.42
Grayson ..... O			.08	.10						.19	.34			.17	.08	.13								.10						.32	1.61
Greenup, Dam 30 ..... O				.06						.17	.09	.30		.01	.11	.16	.10			.01			.05	.02	.03					.16	1.16
Harlan C		.15		.20						.24	.28	.37		.14	.11	1.35		.30		.55			.10	T						.38	3.59
Hazard ..... K				.20						T	.20	.25		.18		.35	.04			.20			.14	T.	.10	T				.19	1.90
Heidelberg, Lock No. 14 ..... K			.04							.46	.13	.42		.13		.06	.80						.10	.17	.02					.12	2.13
Jenkins ..... K				.40	.02					.18	.61		.30		.25	.25				.14			.10	.66	.20						2.72
Louisa ..... K	.07	.05		.17						.06	.07	.39		.25	.10	.45	.20				.07		.07	.04						.76	1.50
Manchester ..... K					.03					.02	.27	.17		.12	.18	.18					.07			.06	.03					.16	1.32
Owensville ..... O	.02		.5							.18	.16	.10		.13	T					T.	T.		T.	.08	.01	T.				.37	1.81
Riddlesboro C											.90	.48		.25	.75	1.26						.28								.9	6.0
Mount Sterling L										.30	.35	.05		.09						.20		.07	.08	.22						.12	1.48
Olive Hill ..... K	T.		.05					T.	.05	.20	.02			.10	.06	.05			T.	.01			.02	.08	.01	T.	T.			.33	1.10
Prestonsburg ..... B	T.			.44	.08					.35	.52			.12	.08	.15	.28					T.	.06	T.						.21	2.23
Quicksand ..... K	.18			.35							.75			.17	.14		.25								.10					.11	1.89
Ravenna, Lock No. 12 ..... K			.06	.32					.28	T		.68		.11	.2		.15			.11	.15	.17		.05						.19	2.11
Richmond ..... K				T						T	.23	.24		.10	T.	.13				T				.08	.06						0.84
Valley View, Lock No. 9 ..... K		.04							.5	.20	.15		.10						.03					.25					.15	1.58
Vanceburg, Dam No. 32 ..... K			.07	.02					.20	.35	.20		.24		.26				.12			.18	.10	.12			.09			2.88
Waynesburg ..... K									.40	.11	.24		.12	.14	.05									.08						.15	1.32
Williamsburg C										.20	.40		.22		.50	.12				.20			.07	.32	.26	.26			.42	2.46
Willow, Lock No. 13 ..... K									.15		.02	.58	.07		.20		.10			.10			.01	.02	.01				.18	1.66
											.29	.40			.10								.03	.28					.07	1.24

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded on any day is that which fell during the 24 hours ending on that morning of observation.

(Cleveland mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Long Oak

Daily Temperatures for November, 1930.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	59	52	58	59	57	48	51	67	67	58	65	57	60	68	74	75	75	82	80	75	71	57	60	56	40	44	30	35	54	59	..	59.2
	Minimum	19	29	36	20	28	21	19	29	30	48	51	52	53	51	58	61	45	74	50	58	54	31	27	32	25	23	11	19	41	47	..	38.4
Calhoun	Maximum	49	47	59	59	56	47	54	66	66	57	66	59	59	67	69	72	72	70	75	76	75	70	54	58	54	41	43	29	34	54	57	58.0
	Minimum	22	34	37	32	31	24	25	30	32	48	52	52	54	56	59	62	49	49	54	60	53	35	34	32	26	22	13	17	29	44	..	38.9
Earlington	Maximum	51	48	55	57	53	46	51	66	65	55	66	57	61	68	72	71	73	75	80	78	69	57	60	53	42	41	32	33	51	57	..	57.9
	Minimum	22	33	37	35	34	26	23	25	37	51	53	53	54	54	51	60	62	46	47	49	42	33	33	26	23	16	18	23	43	48	..	38.8
Greenville	Maximum	51	49	57	59	55	47	54	66	65	57	66	56	60	69	72	71	79	79	76	69	..	57	57	60	59	45	32	35	53	58	..	57.7
	Minimum	29	30	35	31	31	25	23	25	29	48	51	51	52	55	60	61	43	48	60	54	..	31	27	31	25	22	12	15	28	42	..	36.6
Hopkinsville	Maximum	52	49	52	59	59	49	59	66	62	55	56	56	61	69	72	74	77	83	80	76	68	57	60	60	52	42	35	36	53	60	..	59.0
	Minimum	23	31	38	39	32	28	29	30	35	50	52	52	53	57	59	62	47	46	54	60	54	36	28	34	26	25	17	19	29	43	..	39.6
Lovelaceville	Maximum	51	49	51	54	55	47	55	67	63	56	57	56	65	66	68	69	68	74	82	80	76	69	58	57	57	37	37	45	53	55	..	59.0
	Minimum	18	27	36	33	26	21	21	25	30	50	53	57	53	57	59	57	55	45	49	51	48	41	31	27	37	28	29	24	26	34	42	..	37.9
Marion	Maximum	49	45	53	55	53	50	54	63	64	55	58	54	58	60	65	69	68	72	80	78	75	74	55	56	54	51	50	48	39	57	61	..	58.3
	Minimum	27	35	39	39	34	30	24	26	39	50	49	50	53	55	59	58	46	50	59	57	48	35	33	30	21	22	15	17	32	28	..	38.7
Mayfield	Maximum	55	51	51	51	55	55	61	68	..	65	58	58	58	66	68	69	74	78	81	75	62	59	57	57	44	43	35	36	..	60	..	119.6
	Minimum	23	34	38	37	39	25	27	34	..	48	46	51	57	57	59	58	49	48	54	58	49	42	37	32	33	24	25	19	17	..	29	..	38.9
Murray	Maximum	56	49	53	56	53	50	53	68	70	60	58	60	64	71	72	71	70	83	80	73	67	64	64	64	45	55	50	42	61	58	..	61.4
	Minimum	18	26	33	32	23	21	23	23	30	54	51	52	53	56	58	61	46	39	43	60	48	30	25	32	25	20	18	15	26	43	..	36.5
Owensboro	Maximum	56	48	55	56	52	50	52	65	66	54	57	59	59	71	70	71	70	75	78	77	68	65	65	57	51	47	43	25	39	53	55	..	57.3
	Minimum	29	30	36	34	28	24	25	26	29	47	48	51	52	55	56	62	46	47	50	58	48	38	33	38	30	24	21	20	14	25	38	..	39.9
Paducah (near)	Maximum	52	52	51	54	48	57	66	60	54	55	60	65	65	66	67	72	80	80	75	80	74	57	55	62	55	54	51	47	53	55	..	57.3
	Minimum	24	40	36	32	21	24	28	34	38	51	52	53	57	59	58	46	46	54	59	45	33	32	32	33	30	24	21	17	17	29	39	40	..	38.8
Princeton	Maximum	50	48	52	57	51	47	54	64	62	57	57	58	58	64	73	73	79	79	72	67	62	58	51	62	45	45	23	34	53	57	..	57.6
	Minimum	22	31	38	40	30	25	26	27	31	51	53	53	54	58	60	61	44	44	50	52	52	33	27	30	24	24	16	18	29	41	..	38.4
Russellville§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Central Division.																																	
Anchorage	Maximum	48	53	58	59	55	47	51	62	69	54	55	56	58	68	67	75	71	73	75	77	65	54	57	46	38	32	25	20	53	55	..	56.4
	Minimum	17	28	29	28	25	20	17	22	25	45	48	51	51	50	57	55	52	42	44	54	38	29	27	29	23	15	5	1	21	32	..	32.8
Bardstown	Maximum	51	56	61	57	58	48	54	67	70	58	56	59	60	71	70	77	74	81	82	78	71	58	58	50	36	41	27	31	57	57	..	58.8
	Minimum	18	28	40	35	36	23	20	22	28	46	51	52	53	55	58	63	46	49	54	58	53	33	28	33	24	21	3	6	20	44	..	36.2
Bowling Green	Maximum	52	51	54	60	60	59	65	67	64	57	57	57	60	69	71	76	75	82	83	76	67	64	60	56	40	45	39	38	53	59	..	59.3
	Minimum	24	28	40	35	32	27	24	27	32	48	52	52	53	55	58	62	48	47	50	67	54	35	32	32	27	25	16	17	23	44	..	39.0
Dix Dam	Maximum	50	56	60	57	57	48	53	67	71	57	61	57	60	70	68	77	73	78	80	77	69	58	51	54	40	28	28	33	56	60	..	60.1
	Minimum	23	25	42	32	35	26	19	22	26	47	49	50	54	54	58	60	51	48	45	51	38	34	31	23	4	6	17	19	43	..	..	35.2
Eubank	Maximum	50	58	59	56	58	47	54	64	68	56	58	58	62	67	73	76	78	81	79	69	64	58	47	33	38	22	20	4	38	54	57	..	58.1
	Minimum	17	21	41	32	35	21	20	21	29	45	48	47	48	53	57	57	55	45	49	48	37	34	26	33	22	20	4	10	18	34	..	34.4
Frankfort	Maximum	46	54	57	57	56	50	47	61	65	61	57	57	61	69	68	75	73	75	76	74	73	6	55	53	36	40	26	25	50	57	..	57.1
	Minimum	24	27	41	33	32	27	20	22	26	45	49	51	52	52	58	60	49	42	44	48	53	36	33	35	25	23	7	10	19	41	..	36.5
Franklin	Maximum	50	51	55	58	57	46	55	64	62	55	54	58	63	70	72	77	76	80	82	72	67	67	61	51	40	45	31	26	25	16	17	58.6
	Minimum	22	29	41	35	33	27	23	28	30	48	47	51	53	48	57	63	47	52	48	58	53	58	45	31	26	25	16	17	25	44	..	38.4
Greensburg	Maximum	48	55	58	57	59	49	53	61	65	58	56	56	63	70	72	71	74	79	80	77	69	56	58	60	37	43	27	37	57	62	..	58.0
	Minimum	20	22	41	29	27	21	16	20	24	46	50	52	53	58	61	67	42	45	50	55	34	24	33	21	23	11	12	20	42	..	..	35.1
Irvington	Maximum	47	53	57	58	55	48	51	63	66	56	55	57	60	67	69	72	70	76	77	75	68	62	55	47	30	41	23	28	53	58	..	58.6
	Minimum	26	35	41	37	31	27	25	28	29	49	51	52	54	57	59	62	49	52	51	59	52	36	33	32	24	21	8	11	23	42	..	38.3
Junction City	Maximum	48	55	58	57	57	47	53	66	70	60	62	60	66	68	68	68	77	74	77	80	77	62	44	51	57	33	26	34	22	22	0	1	11	30	..	33.3
	Minimum	24	26	40	34	34	24	15	16	24	43	47	48	53	56	57	57	47	42	44	51	57	33	26	34	22	22	0	-1	11	30	..	32.4
Leitchfield	Maximum	48	52	58	53	57	50	47	52	64	57	57	56	55	60	71	71	72	78	79	75	68	57	57	51	40	38	24	32	53	56	..	56.7
	Minimum	22	30	39	36	34	26	23	29	37	42	51	52	52	55	58	63	50	51	50	57	51	35	31	32	24	22	10	13	23	43	..	38.4
Lexington	Maximum	47	52	57	54	53	50	49	60	65	57	56	56	61	69	72	73	69	75	77	73	61	48	53	43	37	31	17	24	52	56	..	57.1
	Minimum	23	23	41	34	31	24	26	37	41	47	46	49	52	55	56	61	57	54	57	54	42	36	31	28	26	20	9	9	20	31	..	35.7
Louisville	Maximum	47	53	54	52	52	44	4	63	66	57	57	56	58	67	69	73	70	77	78	75	63	53	55	44	38	31	21	26	51	55	..	54.5
	Minimum	29	32	41	34	34	31	28	28	30	47	50	52	53	57	59	61	56	57	63	58	45	39	36	27	27	14	8	13	23	37	..	38.0
St. John	Maximum	48	54	56	55	52	48	51	59	68	59	54	55	56	67	70	70	76	79	78	80	75	68	61	50	40	29	26	32	47	57	..	57.5
	Minimum	29	35	38	34	34	31	28	28	37	46	50	51	51	51	55	53	51	54	51	53	55	51	40	30	21	20	4	7	21	32	..	37.4
Scott	Maximum	47	55	48	58	51	43	46	65	66	56	56	61	58	66	75	74	69	75	76	71	69	57	58	51	39	41	19	26	51	56	..	56.7
	Minimum	24	32	39	35	31	32	15	29	35	52	47	51	51	53	55	46	52	48	49	41	50	33	32	34	23	19	6	8	12	40	..	35.7
Taylorsville	Maximum	46	54	61	56	52	42	47	67	68	56	57	57	59	67	73	78	75	78	75	69	77	78	75	75	54	56	47	38	40	22	26	59.4
	Minimum	18	29	29	29	26	23	15	18	24	34	48	50	49	47	55	62	48	48	48	53	54	29	25	29	23	14	4	2	21	42	..	35.4
Williamstown	Maximum	50	56	54	57	52	51	50	66	66	60	55	54	59	71	74	78	78	78	72	66	65	57	57	51	36	37	27	34	54	57	..	58.1
	Minimum	22	27	38	34	31	27	18	21	33	47	46	49	51	50	54	55	50	44	47	47	52	32	30	33	24	19	6	3	12	37	..	34.1
Eastern Division.																																	
Ashland	Maximum	48	55	56	54	58	48	58	67	66	64	64	56	62	70	71	72	71	72	76	78	74	72	65	57	54	40	36	37	57	60	..	58.7
	Minimum	20	26	42	34	41	25	15	20	30	52	48	48	52	53	57	54	51	56	53	44	41	43	31	30	34	33	26	25	5	8	14	39.5
Beattyville	Maximum	47	52	54	53	54	45	53	64	64	57	57	57	60	68	70	72	71	73	76	77	74	72	65	57	54	41	36	36	56	59	..	59.3
	Minimum	20	27	38	33	35	24	21	27	31	47	49	52	53	53	58	63	48	48	53	58	53	33	28	33	24	21	3	6	20	44	..	36.2
Boyd	Maximum	48	55	59	55	57	45	53	61	67	59	61	58	60	70	70	75	72	78	80	76	67	57	58	60	40	45	39	38	53	59	..	59.8
	Minimum	21	28	42	36	35	29	24	25	25	46	48	49	52	55	56	62	47	50	55	59	51	36	37	33	35	22	20	6	29	46	..	38.4
Farmers	Maximum	44	56	56	57	59	47	52	65	69	60	61	57	61	68	69	74	71	74	77	71	66	57	58	60	37	43	31	36	55	58	..	58.4
	Minimum	18	29	40	28	34	26	13	15	19	34	47	49	52	54	57	57	51	52	56	58	49	41	36	33	32	34	23	19	6	8	12	40	..	34.0
Flemingsburg	Maximum	51	58	57	58	57	46	54	66	68	58	61	59	62	70	72	74	70	72	74	75	71	67	58	58	56	47	38	40	59	58	..	59.8
	Minimum	24	30	43	36	37	26	20	23	28	47	51	52	53	56	58	62	48	49	53	58	53	36	33	34	26	20	6	8	12	40	..	36.2
Frankfort	Maximum	46	54	57	57	56	50	47	61	65	61	57	57	61	69	68	75	73	75	76	74	73	6	55	53	36	40	26	25	50	57	..	57.1
	Minimum	24	27	41	33	32	27	20	22	26	45	49	51	52	52	58	60	49	42	44	48	53	36	33	35	25	23	7	10	19	41	..	36.5
Grayson	Maximum	49	59	59	58	60	49	54	65	73	59	59	60	64	73	73	77	74	78	81	77	69	58	58	60	40	45	39	38	53	59	..	59.8
	Minimum	20	31	39	31	34	23	18	18	25	46	48	50	51	53	57	61	47	48	51	57	51	34	26	30	20	20	2	6	20	44	..	36.2
Greenup	Maximum	51	58	57	58	57	46	54	66	68	58	61	59	62	70	72	74	70	72	74	75	71	67	58	58	56	47	38	40	59	58	..	59.8
	Minimum	24	30	43	36	37	26	20	23	28	47	51	52	53	56	58	62	48	49	53	58	53	36	33	34	26	20	6	8	12	40	..	36.2
Hazard	Maximum	48	55	56	57	59	47	52	65	69	60	61	57	61	68	69	74	71	74	77	71	66	57	58	60	37	43	31	36	55	58	..	58.4
	Minimum	18	29	40	28	34	26	13	15	19	34	47	49	52	54	57	57	51	52	56	58	49	41	36	33	32	34	23	19	6	8	12	40	..	34.0
Jackson	Maximum	51	58	57	58	57	46	54	66	68	58	61	59	62	70	72	74	70	72	74	75	71	67	58	58	56	47	38	40	59	58	..	59.8
	Minimum	24	30	43	36	37	26	20	23	28	47	51	52	53	56	58	62	48	49	53	58	53	36	33	34	26	20	6	8	12	40	..	36.2
Louisa	Maximum	49	59	59	58	60	49	54	65	73	59	59	60	64	73	73	77	74	78	81	77	69	58	58	60	40	45	39	38	53	59	..	59.8
	Minimum	20	31	39	31	34	23	18	18	25	46	48	50	51	53	57	61	47	48	51	57	51	34	26	30	20	20	2	6	20	44	..	36.2
Morehead	Maximum	51	58	57	58	57	46	54	66	68	58	61	59	62	70	72	74	70	72	74	75	71	67	58	58	56	47	38	40	59	58	..	59.8
	Minimum	24	30	43	36	37	26	20	23	28	47	51	52	53	56	58	62	48	49	53	58	53	36	33	34	26	20	6	8	12	40	..	36.2
Olive Hill	Maximum	48	55	56	57	59	47	52	65	69	60	61	57	61	68	69	74	71	74	77	71	66	57	58	60	37	43	31	36	55	58	..	58.4
	Minimum	18	29	40	28	34	26	13	15	19	34	47	49	52	54	57	57	51	52	56	58	49	41	36	33	32	34	23	19	6	8	12	40	..	34.0
Owingsville	Maximum	51	58	57	58	57	46	54	66	68	58	61	59	62	70	72	74	70	72	74	75	71	67	58	58	56	47	38	40	59	58	..	59.8
	Minimum	24	30	43	36	37	26	20	23	28	47	51	52	53	56	58	62	48	49	53	58	53	36	33	34	26	20	6	8	12	40	..	36.2
Paintsville	Maximum	49	59	59	58	60	49	54	65	73	59	59	60	64	73	73	77	74	78	81	77	69	58	58	60	40	45	39	38	53	59	..	59.8
	Minimum	20	31	39	31	34	23	18	18	25	46	48	50	51	53	57	61	47	48	51	57	51	34	26	30	20	20	2	6	20	44	..	36.2
Pikeville	Maximum	51	58	57	58	57	46	54	66	68	58	61	59	62	70	72	74	70	72	74	75	71	67	58	58	56	47	38	40	59	58	..	59.8
	Minimum	24	30	43	36	37	26	20	23	28	47	51	52	53	56	58	62	48	49	53	58	53	36	33	34	26	20	6	8	12	40	..	36.2
Salyersville	Maximum	48	55	56	57	59	47	52	65	69	60	61	57	61	68	69	74	71	74	77	71	66	57	58	60	37	43	31	36	55	58	..	58.4
	Minimum	18	29	40	28	34	26	13	15	19	34	47	49	52	54	57	57	51	52	56	58	49	41	36	33	32	34	23	19	6	8	12	40	..	34.0
Tygarts Creek	Maximum	51	58	57	58	57	46	54	66	68	58	61	59	62	70	72	74	70	72	74	75	71	67	58	58	56	47	38	40	59	58	..	59.8
	Minimum	24	30	43	36	37	26	20	23	28	47	51	52	53	56	58	62	48	49	53	58	53	36	33	34	26	20	6	8	12	40	..	36.2
Vanceburg	Maximum	49	59	59	58	60	49	54	65	73	59	59	60	64	73	73	77	74	78	81	77	69	58	58	60	40	45	39	38	53	59	..	59.8
	Minimum	20	31	39	31	34	23	18	18	25	46	48	50	51	53	57	61	47	48	51	57	51	34	26	30	20	20	2	6	20	44	..	36.2
Wachula	Maximum	51	58	57	58	57	46	54	66	68	58	61	59	62	70	72	74	70	72	74	75	71	67	58	58	56	47	38	40	59	58	..	59.8
	Minimum	24	30	43	36	37	26	20	23	28	47	51	52	53	56	58	62	48	49	53	58	53	36	33	34	26	20	6	8	12	40	..	36.2
Whitesburg	Maximum	48	55	56	57	59	47	52	65	69	60	61	57	61	68	69	74	71	74	77	71	66	57	58	60	37	43	31	36	55	58	..	58.4
	Minimum	18	29	40	28	34	26	13	15	19	34	47	49	52	54	57	57	51	52	56	58	49	41	36	33	32	34	23	19	6	8	12	40	..	34.0
Williamsburg	Maximum	51	58	57	58	57	46	54	66	68	58	61	59	62	70	72	74	70	72	74	75	71	67	58	58	56	47	38	40	59	58	..	59.8
	Minimum	24	30	43	36	37	26	20	23	28	47	51	52	53	56	58	62	48	49	53	58	53	36	33	34	26	20	6	8	12	40	..	36.2

§§ Instruments were read in the morning; the maximum temperature thus read is charged to the preceding day, on which it almost always occurs.

* to *** indicate respectively 1, 2, 3 etc. days missing from record.

W B O Louisville 1230 kc. 1100

551.05
UNKE

THE LIBRARY OF THE
JAN 2 8 1931

U. S. DEPARTMENT OF AGRICULTURE—WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXV LOUISVILLE, KY., DECEMBER, 1930 NO. 12

GENERAL SUMMARY.

A decade of moderate temperature early in the month caused considerable improvement in rye and bluegrass pastures, which was helpful in reducing the previous heavy feeding requirements. Because of feed shortage farmers kept their stock on pasture as much as possible, and the general dryness of weather and soil favored this practice. Cold, dry weather during the last half was less favorable for stock outdoors, but was suitable for packing meat and for completion or corn gathering. It retarded stripping and marketing of tobacco to some extent.

Moderate to heavy rain in the first week furnished a good catch in cisterns and partly replenished creek pools, relieving temporarily the domestic water shortage. Very little of it reached the larger streams or reservoirs. Twenty days with negligible precipitation followed, in which pools largely dried up or were exhausted. Almost continuous freezing weather during this period added to the difficulty of obtaining water for livestock. Moderate rain and snow in the last week again supplied some water to the pools, due mainly to slight run-off on frozen ground. Except for these two brief periods, acute water shortage prevailed throughout the month in large districts. Springs continued to fail, and some farmers who had heretofore escaped this necessity had to begin hauling water. In the northern and eastern uplands this was the sixth month in which hauling water had been necessary. Moisture sufficient for the needs of grains and grass entered the first few inches of soil from the rain and melting snow, but the subsoil received none and the supply of ground water continued to decrease. As there was no saturation of the soil, the deep and quite severe freezes caused no injury to grains from lifting. Also, thaws were not attended by the usual soft and spongy conditions of the soil that persist for some time and favor this type of damage.

TEMPERATURE.

The average temperature for the State, determined from reports of 41 stations, was 35.4°, a deficiency of 2.1°. The first two days were decidedly cold, with the lowest for the month registered at a few stations. Relatively warm weather from the 3d to 13th was followed by almost continuously cold weather until the end. The periods 15-17th, 21st-24th, and 30th-31st were especially cold. The extremes were 69° at Burlington on the 11th, and 2° at Farmers on the 24th.

PRECIPITATION.

Reports from 83 stations gave an average precipitation of 2.21 inches for the State, which is 1.82 inches less than normal. This was the 10th consecutive month with precipitation below the average. The total deficiency for the period March to December, inclusive, was 18.82 inches. Moderate to heavy rains occurred on the 5th and 6th, light showers on the 14th, and moderate to heavy rain or snow from the 25th to 28th. The snowfall ranged from 4.0 to 9.0 inches in most of the mountain region, but was heaviest in the southeastern counties. Most central and northern districts received from 1.5 to 3.0 inches. In some northeastern counties, and in limited areas along the Ohio River precipitation ranged from 3.0 to 4.0 inches. In the southeastern counties from 5.0 to [illegible] occurred. In other sections, which included most of the [illegible] amounts ranged between 2.0 and 2.5 inches. For the State they varied between 0.75 inch at Franklin and 3.47 inches at Harlan. No thunderstorms were reported.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure (in inches and hundredths reduced to sea level)					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Resultant direction.	Average hourly velocity.	Fastest mile.	Direction.	Date.
Cairo	Ill.	30.16	30	29.57	16	25	7.8	5		
Cincinnati	Ohio	30.11	30	29.70	14	26	7.6	2		
Louisville	Ind.	30.16	30	29.73	16	25	7.7	2		
Lexington	Ky.	30.15	30	29.67	16	25	7.3	4		
Louisville	Ky.	30.13	30	29.67	16	25	7.7	4		

*For any five minute period.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.			Number of days with	
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	80 per cent or more.	20 per cent or less.
Cairo	Ill.	84	70	70	168.5	289.1	58	10	9
Cincinnati	Ohio.	86	62	76	104.2	288.1	36	6	14
Evansville	Ind.	84	65	76	111.6	296.3	46	8	14
Lexington	Ky.	86	72		128.1	296.3	41	5	14
Louisville	Ky.	80	68	71	168.8	296.3	36	5	15

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature. Monthly average.	Departure from normal (Degrees).	Highest.	Lowest.	Mean of extremes.	Precipitation. Depth in inches and hundredths.	No. of days with 0.01 or more.	Average Number of Days. Clear.	Partly cloudy.	Cloudy.	Average snowfall.
1891	50.2	+12.7	76	16	1.57	−2.46	..	..	..	..	..
1896	27.5	+ 0.3	70	12	3.51	−0.62	..	..	..	..	..
1897	42.4	+ 1.9	70	18	4.46	+0.07	..	..	..	..	..
1898	34.6	− 2.9	74	− 8	4.22	+0.19	..	..	..	..	..
1899	39.0	+ 1.6	78	10	2.89	−1.34	..	..	..	..	..
1900	38.7	+ 1.2	75	11	4.31	+0.28	10	..	..	..	..
1901	38.8	+ 1.3	77	6	4.43	+0.40	9	7	..	..	..
1902	34.6	+ 2.1	73	7	1.82	−2.21	4	14	..	9	..
1903	38.0	+ 0.5	72	3	3.75	−0.3	10	8	..	14	..
1904	34.1	− 3.4	70	−12	2.58	−1.29	9	14	..	8	..
1905	34.5	− 2.7	71	−15	4.26	+0.25	10	12	8	11	2.6
1906	38.6	+ 1.1	70	12	2.50	−1.44	8	13	8	10	1.1
1907	32.3	− 5.2	72	−5	4.30	+0.87	10	7	8	16	5.4
1908	36.7	− 0.8	72	3	3.73	+3.53	12	7	5	15	5.0
1909	30.7	− 6.8	58	0	2.88	−1.15	7	12	7	12	1.4
1910	36.3	− 1.1	72	− 2	4.30	+0.27	11	11	5	15	1.4
1911	37.3	− 0.2	66	11	4.1	+0.85	8	11	5	15	1.0
1912	33.9	− 1.5	70	9	3.24	−0.61	12	6	5	20	1.1
1913	38.8	+ 1.5	76	9	3.59	−0.85	11	7	5	19	1.1
1914	33.8	− 2.3	74	7	3.5	−1.61	9	11	5	15	1.1
1915	31.4	− 6.4	68	− 8	3.37	−1.8	9	11	5	15	1.1
1916	31.6	− 4.1	71	10	6.25	+1.12	12	7	5	19	1.1
1917	37.2	− 0.6	73	11	4.6	..	..	6	5	20	..
1918	35.5	− 2.0	71	5	3.5	..	..	11	5	15	..
1919	33.3	− 4.7	70	16	3.27	+1.19	11	4	7	20	1.1
1920	37.0	− 0.5	64	8	3.5	..	..	7	5	19	..
1921	35.3	− 0.4	71	13	4.3	+0.20	10	12	5	14	..
1922	42.5	+ 4.0	74	18	4.3	+2.02	12	7	5	19	..
1923	44.8	+ 5.5	74	13	4.41	+0.41	9	12	5	14	..
1924	34.6	− 3.2	70	8	4.33	+0.90	12	7	5	19	..
1925	36.5	− 1.5	73	3	2.80	−1.14	7	12	5	14	..
1926	41.1	+ 3.2	73	26	3.4	+0.37	10	7	5	19	1.1
1927	42.5	+ 4.6	76	24	4.5	+1.61	13	5	5	21	1.1
1928	37.1	− 0.1	67	8	3.5	..	..	7	5	19	..
1929	33.0	− 1.6	70	5	3.7	..	..	8	5	18	..
1930	35.4	− 2.1	69	2	3.5	..	..	7	5	19	..
Mean	36.5				6.01			9	6	16	
1931	37.1	+ 0.1	71	7	3.9	..	..	7	5	19	..
1932	37.1	+ 0.1	71	7	3.9	..	..	7	5	19	..
1933	37.1	+ 0.1	71	7	3.9	..	..	7	5	19	..

Climatological Data for December, 1930.

Station	County	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With prec. .01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	26	39.6	+ 2.5	63	4†	17‡	30†	31‡	2.30	−1.45	1.20	.....	6	12	8	11	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	20	37.5	− 0.7	63	9	16	27	33	2.20	−1.95	0.96	3.5	8	3	14	14	sw.	W. A. Taylor.
Carlinton	Hopkins	420	30	36.7	− 1.9	69	11	14	24	31	2.74	−1.27	1.21	1.8	8	15	2	14	sw.	Brick Southworth.
Carlington	Hopkins	396	.....	.....	.....	.....	.....	.....	.....	.....	1.76	.....	0.70	2.5	8	.....	.....	.....	.....	W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	366	.....	.....	.....	.....	.....	.....	.....	.....	2.38	−1.90	1.05	3.5	8	11‖	6*	12‖	w.	C. R. Lovell.
Greenville	Muhlenburg	519	13	35.6	− 3.1	63*	4	13*	24	35*	2.12	−2.66	1.14	T.	9	1	6	24	se.	W. E. Graves.
Hopkinsville	Christian	524	31	37.1	− 1.4	64	9	16	24	31	2.17	.....	0.93	3.6	6	11	10	10	s.	Blaine Malone.
Lockhaven	Ballard	.....	1	38.2	.....	62	9	9	24	31	1.83	−2.18	1.05	.....	2	14	9	8	w.	B. C. Paris.
Louisville	Crittenden	571	32	36.5	− 1.8	60	9	12	17†	30	2.14	2.11	1.00	1.0	4	10†	6*	9†	nw.	Mrs. C. R. Sowell.
Marion	Crittenden	364	21	38.8	− 1.2	63†	9	13†	24	36†	2.14	.....	0.94	2.6	7	13	7	11	s.	Harry B. Arnold
Mayfield	Graves	412	4	35.8	.....	63	9	8	24	37	2.80	.....	0.94	2.6	7	13	7	11	s.	Henry S. Berry.
Murray	Calloway	479	33	34.6	− 2.4	61	4	13	24	33	1.81	−1.99	0.74	4.5	8	10	5	16	nw.	George McGlemary.
Owensboro	Daviess	404	2	.....	.....	.....	.....	.....	.....	.....	2.22	.....	0.95	3.0	10	.....	.....	.....	.....	J. W. Libley
Owensboro, Dam 46	Daviess	404	2	.....	.....	.....	.....	.....	.....	.....	1.99	−2.36	0.98	2.7	7	9	8	14	nw.	Frank L. Brown.
Paducah (near)	McCracken	516	13	35.6	− 3.7	60	9	14	24	27	1.92	−1.94	0.74	3.1	8	.....	.....	.....	.....	Dr. W. L. Cash.
Paducah	McCracken	311	41	.....	.....	.....	.....	.....	.....	.....	2.66	−2.82	0.74	1.5	8	11	6	14	s.	Thos. L. Wetzell.
Princeton	Caldwell	529	23	35.8	− 2.6	60	4†	15	24	35	2.36	1.48	0.93	4.7	9	.....	.....	.....	.....	Wm. Shelton.
Rumsey, Lock 2	McLean	384	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Earl Holder.
Russellville	Logan	560	18	.....	.....	.....	.....	.....	.....	.....	1.71	.....	0.76	1.0	9	.....	.....	.....	.....	.....
Uniontown, Dam 49	Union	357	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. L. Moore.
Central Division.											2.20	.....	0.96	.....	8	.....	.....	.....	.....	C. E. Barnet.
Addison, Dam 45	Breckinridge	352	2	.....	.....	.....	.....	.....	.....	.....	2.27	−1.65	1.06	3.5	5	13	3	15	w.	Mrs. Emily T. Sisco.
Akersville	Anderson	700	29	33.0	− 1.6	60	4	8	24	30	2.40	−1.92	0.90	3.5	10	14	10	7	s.	Mrs. Lillie G Causey.
Bardstown	Nelson	667	25	35.2	− 1.6	63	4	10	24	31	2.70	−1.84	0.80	2.4	9	10	10	11	w.	T. Rone
Bowling Green	Warren	500	41	37.0	− 1.6	68	4	17	24	32	2.95	.....	0.79	1.8	9	.....	.....	.....	.....	Virgil M. Whalin.
Bowling Green, No. 2	Warren	462	5	.....	.....	.....	.....	.....	.....	.....	2.83	−2.14	0.98	1.0	10	.....	.....	.....	.....	T. A. Lewis
Brownsville, Lock 6	Edmonson	410	13	.....	.....	.....	.....	.....	.....	.....	3.46	1.68	1.00	3.8	8	.....	.....	.....	.....	Shelby Angel.
Burnside	Pulaski	773	39	.....	.....	.....	.....	.....	.....	.....	2.28	−0.96	1.27	2.5	6	.....	.....	.....	.....	Reuben Hartley.
Carrollton, Lock 1	Carroll	422	31	.....	.....	.....	.....	.....	.....	.....	1.47	.....	0.45	1.0	9	.....	.....	.....	.....	C. W. Williams.
Cold Spring, Dam 35	Campbell	489	4	.....	.....	.....	.....	.....	.....	.....	3.42	.....	0.83	1.1	6	8	6	17	sw.	Mrs. Katie Payne.
Dix Dam, Bargus	Mercer	770	6	34.9	.....	55	4	10	1	32	2.57	.....	1.22	4.0	9	5‖	7*	17*	s.	Sidney Wood.
Emink	Pulaski	1177	36	34.5	− 1.9	66	4	9	24†	33	2.18	−1.52	0.69	0.5	7	8	8	15	s.	M. E. Johnson.
Frankfort	Franklin	560	38	35.8	− 1.3	57	4	11	31	30	2.75	−3.87	0.50	2.5	2	22	8	1	s.	Louis Shiddell.
Franklin	Simpson	691	35	37.5	− 2.7	67	4	13	24	32	2.12	−1.88	0.86	2.5	7	.....	.....	.....	.....	H. W. Sprague.
Frost, Lock 3	Bourg	449	19	.....	.....	.....	.....	.....	.....	.....	1.85	.....	0.88	1.2	7	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn
Grant, Dam 38	Boone	789	9	.....	.....	.....	.....	.....	.....	.....	2.31	−2.03	0.85	1.0	12	3	3	25	se.	Miss Ruby L Simpson.
Greensburg	Green	581	37	35.7	− 0.6	63	4	10	24	37	2.89	−1.59	0.80	1.4	8	.....	.....	.....	.....	W. J. Piggott.
Hogs Bridge, Lock 7	Jessamine	590	28	.....	.....	.....	.....	.....	.....	.....	2.16	−1.78	0.93	1.2	6	8	5	18	nw.	Caroline Grubbs.
Ivy Cliff	Breckinridge	646	32	35.8	− 0.9	61	4	14	24	29	2.63	−1.98	0.85	4.0	11	6	16	9	sw.	Mrs. Anderson.
Jamestown Cliff	Boone	835	36	31.6	− 1.6	61	4	8	31	36	2.04	.....	0.72	.....	9	.....	.....	.....	.....	H. H. Willis.
Lancaster	Garrard	1052	4	.....	.....	.....	.....	.....	.....	.....	2.23	−2.60	1.10	1.5	10	7	9	15	sw.	U. S. Weather Bureau.
Lakewood	Grayson	635	34	35.7	− 0.9	62	4	9	24	31	1.79	1.98	0.76	3.6	9	10	7	14	sw.	Horace Canter.
Lexington	Fayette	989	46	32.2	− 3.6	54	4	12	2	24	1.97	−1.71	0.80	1.0	7	.....	.....	.....	.....	Frank Litch.
Little Hickman, Lock 8	Jessamine	524	19	.....	.....	.....	.....	.....	.....	.....	2.61	1.79	0.90	2.5	5	.....	.....	.....	.....	U. S. Weather Bureau.
Longport, Lock 2	Henry	476	20	.....	.....	.....	.....	.....	.....	.....	1.87	−1.87	0.98	2.2	8	6	9	16	sw.	A. O. Hubbard.
Loretto	Jefferson	525	57	34.6	− 3.0	59	4	15	30	27	2.33	−0.74	0.80	1.6	8	.....	.....	.....	.....	Sisters of Loretto.
Madisonville	Hart	600	8	.....	.....	.....	.....	.....	.....	.....	2.08	−2.47	1.12	1.1	6	14	10	7	.....	Ernest M. Searey.
St. John	Hardin	777	35	35.5	+ 0.1	59	4†	12	30†	31	2.22	−2.46	0.55	4.2	7	.....	.....	.....	.....	C. L. McDonald.
Salt R., Lock 6	Mercer	480	16	.....	.....	.....	.....	.....	.....	.....	1.35	−1.83	0.54	1.7	5	.....	.....	.....	.....	Miss Ruth Ratta.
Scott	Kenton	800	32	34.6	+ 0.3	56*	4†	8*	31	28*	2.32	−1.71	0.86	4.3	11	9	3	19	sw.	E. D. Bourne.
Shelbyville	Shelby	855	41	34.9	− 1.0	63	4	11	24†	28	1.85	−3.53	0.57	0.7	6	10	5	16	w.	H. K. Vaughn.
Taylorsville	Spencer	486	24	35.4	+ 0.2	59	4	11	24	32	2.30	−2.28	0.95	.....	6	.....	.....	.....	.....	Miss Nettie B. Simpson.
Tyrone, Lock 5	Anderson	526	12	.....	.....	.....	.....	.....	.....	.....	2.16	1.11	1.00	3.0	7	13	15	8	e.	.....
Williamstown	Grant	943	27	32.9	− 0.6	55	4†	9	24	27	2.27	−2.06	0.99	2.6	10	.....	.....	.....	.....	H. J. Lewis.
Woodburn, Lock 4	Warren	533	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ashland	Boyd	544	13	38.3	− 3.0	53	1†	14	2	38	2.56	−0.66	1.26	3.5	12	7	4	20	w	Jacob Armbruster.
Beattyville	Lee	650	26	33.6	− 2.1	59	3†	3	24	41	2.84	−1.49	1.52	1.9	11	4	3	24	nw.	Robert S. Smallwood.
Boyd	Madison	1070	26	34.6	− 2.0	61	4	14	2†	38	2.04	−2.34	0.65	5.2	9	9	4	18	sw.	Chas. C. Graham.
Boyd	Madison	601	20	.....	.....	.....	.....	.....	.....	.....	2.01	−2.39	0.95	1.3	8	.....	.....	.....	.....	Kelly Walden
Clay City, Lock 11	Madison	601	20	.....	.....	.....	.....	.....	.....	.....	1.90	−2.29	0.80	1.5	6	.....	.....	.....	.....	P. H. Kehoe.
Cynthiana	Harrison	684	12	.....	.....	.....	.....	.....	.....	.....	2.11	−1.56	0.80	0.2	8	.....	.....	.....	.....	T. Y. Oldham.
Danville	Boyle	940	41	.....	.....	.....	.....	.....	.....	.....	2.03	2.14	0.87	4.1	9	12	3	16	e	Mrs. R. F. Stamper.
Dayton	Campbell	668	22	34.6	− 1.4	60	4	2	24	46	1.87	.....	0.78	.....	5	.....	.....	.....	.....	C. A. Glascock
Dorton	Perry	841	3	.....	.....	.....	.....	.....	.....	.....	1.73	−1.70	0.83	1.6	8	.....	.....	.....	.....	John A. Walters.
Estill Springs	Clark	566	14	.....	.....	.....	.....	.....	.....	.....	2.02	.....	1.15	1.2	5	.....	.....	.....	.....	col. Frank Powers.
Fort Boonesboro	Clark	566	5	.....	.....	.....	.....	.....	.....	.....	1.87	1.77	0.89	0.2	11	.....	.....	.....	.....	T. Mitchell.
Grayson	Carter	550	9	.....	.....	.....	.....	.....	.....	.....	2.68	.....	1.08	7.0	13	8	5	18	sw.	W. W. Duffield.
Greenup, Dam 29	Greenup	540	41	.....	.....	.....	.....	.....	.....	.....	3.47	.....	1.03	7.0	13	8	5	18	sw.	Chas. O. Ihrig.
Harlan	Harlan	1197	2	31.8	.....	66	4	4	24	41	2.16	.....	0.96	3.1	11	.....	.....	.....	.....	S. C. Cole.
Harrod	Perry	805	6	.....	.....	.....	.....	.....	.....	.....	2.68	2.17	1.42	.....	9	.....	.....	.....	.....	E. R. Davidson.
Hoop Ivey, Lock 14	Lee	661	13	.....	.....	.....	.....	.....	.....	.....	2.14	.....	0.71	.....	11	.....	.....	.....	.....	Rossium Oehler.
Jenkins	Letcher	1566	5	.....	.....	.....	.....	.....	.....	.....	1.88	−1.72	1.13	2.5	7	.....	.....	.....	.....	Jennett H. White.
Louisa	Lawrence	581	26	.....	.....	.....	.....	.....	.....	.....	3.14	−1.39	1.55	4.0	6	.....	.....	.....	.....	Perry F. Bennett
Manchester	Clay	.....	16	.....	.....	.....	.....	.....	.....	.....	2.83	−2.01	0.52	2.0	7	9	4	18	sw.	Matthew Woodson
Maysville	Mason	523	33	35.0	+ 0.4	56	9‖	16	24	32	3.16	−1.51	0.90	9.0	8	4	16	11	.....	W. R. McKee.
Mt. Sterling	Bell	1128	34	34.4	− 4.0	61	4	4	24	34	1.66	−3.21	0.42	1.7	6	10	6	15	nw.	Otto Hilldebe.
Mount Sterling	Montgomery	990	40	34.2	− 4.2	56	10‖	4	24	29	1.97	1.58	0.81	2.0	11	.....	.....	.....	.....	Robert Bopass
Owingsville, Dam 33	Bath	497	2	.....	.....	.....	.....	.....	.....	.....	1.41	−2.37	0.61	1.0	6	.....	.....	.....	.....	F. C. Hall.
Pikeville	Pike	1026	24	.....	.....	.....	.....	.....	.....	.....	0.94	.....	1.11	3.0	7	.....	.....	.....	.....	R. W. Jones.
Pineville	Bell	649	5	.....	.....	.....	.....	.....	.....	.....	2.25	.....	1.65	4.5	8	.....	.....	.....	.....	Walter P. Bush.
Quicksand	Breathitt	752	5	35.6	.....	62	4	8	24	44	1.17	2.59	0.38	.....	7	.....	.....	.....	.....	J. W. Crooks.
Ravenna, Lock 12	Estill	631	12	.....	.....	.....	.....	.....	.....	.....	1.85	−2.19	0.50	3.0	6	13	0	18	.....	Thos. Sullivan.
Richmond	Madison	920	35	34.2	− 3.7	54	10	11	16	30	1.78	2.06	1.40	2.0	6	.....	.....	.....	.....	H. M. Fannin.
Salt River, Lock 6	Marion	510	17	.....	.....	.....	.....	.....	.....	.....	2.61	−1.87	0.76	2.0	8	.....	.....	.....	.....	C. H. Zimmerman.
Valley View, Dam 32	Jessamine	525	15	.....	.....	.....	.....	.....	.....	.....	2.11	.....	0.53	6.0	11	.....	.....	.....	.....	H. F. Davis.
Wallace	Estill	1142	5	.....	.....	.....	.....	.....	.....	.....	3.13	−0.74	1.51	7.0	10	9	7	15	.....	Jessie Hicks.
Wilmore	Jessamine	955	23	35.4	− 2.7	61	9	9	24	42	2.58	−1.09	1.35	1.0	5	.....	.....	.....	.....	.....
Williamsburg	Lee	644	13	.....	.....	.....	.....	.....	.....	.....	2.24	−1.82	1.65	2.6	8	10	7	14	sw.	.....
Wolfe Creek, Lock 13	Lee	.....	.....	35.4	− 2.1	60	11	2	24	46	2.21	−1.82	1.65	2.6	8	10	7	14	sw.	.....

† Records for less than entire month. ‡ Records for more than one month. § Lone Oak. ‖ Precipitation is less than 0.01 inch rain or melted snow.

* Also on other dates. ** Reported too late to be included in tables and summaries. : Lock 10, Red House, Ky. ; Scott, Independence, Ky.

• Post office address: Lock 5, Lawrenceburg, Ky. ; Lock 6, Owensville, Ky. ; Lock 9, Nicholasville, Ky. ; Lock 10, Red House, Ky. ; Scott, Independence, Ky.

MISCELLANEOUS.

Floods.—Very little rain fell reached the streams, hence stages in the Ohio and its tributaries were but slightly affected.

Errata for November, 1930

[illegible] should be part should be city.

Greensburg, greatest 24-hour rainfall 0.84 on the 11th.

Leitchfield, mean maximum 57.3; mean monthly 47.7; departure +1.4

Paducah (near), mean minimum 38.6.

St. John, mean temperature 47.7; departure +2.0.

Shelbyville, greatest 24-hour rainfall 0.52, on 30th.

Daily Precipitation for December, 1930.

Stations		Days of month.																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																															
Beaver Dam	G				.40	.10						.85		.0													1.2		.20			
Calhoun	G				.90	.05								T.	.02		.07	T														
Carrington	G				1.24	.06						.00			.01		.02										.60	.90		1			
Louis Perry, Dam 30	O	T.			.11	.70						.02		T	T	.01	.18	T.	T								.20	T	.85		T		
Greenville	G				.06	.17				T	.46				.07												.70	T	.60	.02			
Hopkinsville	C				.51	.03				.01	.03				.02		.01										1.05		.28	.01			
Lawrenceville	M				.03					.14					.12	.06										.44	.14		.10			
Marion	O				.78																						.58		.11			
Mayfield	M				.95											1.00											1.00					
Murray	T			T.	.92	T				T	.18				.17	1	T	T.											.10			
Owensboro	O				.74	.12					.03			.02	T.												.40	.41		.14			
Owensboro, Dam 46	O	.12			.04	.84					.05			.02		T.	.07		T.									.90	T		.45		
Paducah (Quar. ¶	O				.98										.10		.10	.03										.90	T				
Paducah	O	.14			.30	.36					.10				T.	.06	.08										.20	.92		.30	T		
Princeton	G				.93						.14				.12	.06												.54		.14	T		
Ramsey, Lock No. 2	G	.12			.11	.87					.05			.03	T		.10										.31	.74		.15			
Russellville	G																											.92	T	.07	.03		
Uniontown, Dam 49	O	.09			.11	.76					.05				.03		.03											.57	T.	.45	.02		
Central Division																															
Addison, Dam 45	O	.20			.02	.45	T.										.02											.60	.12	.07			
Anchorage	O				.92	.07	T.								T.												T	1.00		.15			
Bardstown	S				.90	.10						.12			.05		.10		.03									.25					
Bowling Green	G				.80	.25				.45						.30	.45											.75	.30	.06			
Bowling Green, No. 2	G	.15			.16	.70						.17			.26		.03											.53	.15	.25			
Brownsville, Lock No. 6	G	.18			.24	.76						.5		T	.03	.68	T	T.	.06									.57		.15			
Burnside	C	.42			T.	1.60	T.	T.				.18		T.		T.	.31											.35	.15	.10	T		
Carrollton (Lock No. 1)	K	.14					1.27																				.03	.72			.24	T.	
Cold Spring, Dam 36	O	.31	T.			.80	.05	T.				10			.02	T			T		.02		T.	T.				.45	.18		.01		
Dix Dam, Burgin	K				.63	.83						12				.05							T.				.78	.05				
Eubank	C		.03			1	.22								.07	.11	.02	.21															
Frankfort	K	.25				.87		T.				.03			T.	.03	T.	T.		T.				.02	T.			.47	.40	T			
Franklin	G				.50																												
Gest, Lock No. 3	K	.15				.86		.02				.06													T			.73		.25			
Grant, Dam 33	O	.20	T.			.88		.03				.08			T.	T.		T.	T.	.01	T.		T.					.55	.52		T.		
Greensburg	C				.72	.12	.01					.14			.11		.14		.01				.03					.85	.16	.08	.02		
Hitch Bridge, Lock No. 7	K	.08				.80						.18					.03							.03				.70	.22		.04		
Irvington	O				.91	T.	T.					.08			.01		T.		T.					T.			.09	T	.11				
Jamestown	K	.15			.48	.35	.05					.14			.17		T.							T.				.87	.20	.16	.03	T.		
Lancaster	K	.20	.08				.72	.01				.05				.02												.87	.20	.16	.03	T.	
Leitchfield	G				.55	.25	.05					.13			.02	.02		.05	T.				T.			.42	1.10		.06			
Lexington	K	T.			.05	.07	T.	T.		T.	.13				T.		.01	T.	.01		T.	.04		.11	.01		.17	T.				
Little Hickman, Lock No. 8	K	.10			.12	.70					.08					I.	.18							T.			.04	.14				
Lockport, Lock No. 2	K			T.	.93					.06					T.									T.			.78	.18		.15		
Louisville	O				.97	.01	T.			.01	.02		T.	.01		T.	T.	T.						T.	T.		.58	.23		.12	T.		
Madisonville	C	.09			.12	.80					.15						.18							T.	T.		.50	.23		.10			
Mt. Sterling	S					.68				.05						.01												.87	.10	.30			
Nelson, Lock No 6	K	.15				.95	T.				.15	T.				T	.07							T.			T.	1.12	T.	.11	.05		
Nolt	L				.53	.75					.10				.04									T.				.25	T.	.17			
Owensville	S				.76	.23			.01		.09			T.			.03		.12					.01			.02	.05	.10	.16			
Parksville	S				.75	.17	T.				.07			T.		T.	.06							T.			.02	.05	.77	T.	.05			
Pyrone, Lock No. 5	L			.5	.03	T.				.25						T.								.03			.05		.10			
Williamstown	L				.09	.31						.10												.05			.05		.10			
Woodbury, Lock No. 1	G	.13			.20	.48						.12					.09	.06						T.			.65	1.40		.10	.02		
Eastern Division																															
Ashland	O	.27				1.20	.05	T.			.05	.03					.01	.03						.03			.28	.55		.02	.02		
Beattyville	K	.14				1.52	.02	.01	F.		.10	T.		T.	.05	.08	T.	T.	T.		T.	.10		.08	.20		.08	T.	T.			
Boyd	K	.15			.03	.17	.02				.07				.07		.11							.02	.01		.06		.16			
Catlettsburg	K	.10			T.	.95		T.			.15			T.	T.		.05										.06			T.		
Clay	L	.14				.80					.00			T.													.08			T.		
Ellwood	L	.18				.78	.02				.06			.02	T.					T.		T.					.08	.15		.04	T.		
Farmers	L	.12				.87		.04			.12						.04										.18	.17		.07			
Hagerhill	K				.78					.18																	.55	.19	.04				
Jackson, Lock No. 10	K	.02				.81	T.	T.	T.		.07	T.			T.	T.	T.	T.		T.		T.		T.	.01		.54		.13			
Louisa	O	.10				1.16					.03							.12									.60	.16		.02	.01		
Mesnap, Dam 30	O	.19	.01			.85	.04				.07	.02		T.						T.							.50		T.				
Parkers	C					.95					.15																.30		.05	.03			
Pikeville	K				.22	1.10	.05				.18	.08		.16	.09	.24				.22				.16			.50	.25		T.	.02		
Pound	B	.15				.61		T.			.32	T.			T.	T.	T.		T.								.15	.12	.07	.20	T.		
Riverside	B					1.12					.08																.15	.35		.35	.05		
Salyersville	K	.13				1.05		T.				.20															.37	.35		.35			
Savanna, Lock No. 12	K	.15				.35	T.		F.		.20			T.	T.	.18	T.										.48	.24		.12			
Sharpsburg	K	.18				.96					.12																.18	.25			T.		
Valley View, Lock No. 6	K				1.60	.14					.04																.20	.20					
Vanceburg, Dam No. 32	O	.12				.20	.35	T.			.34	.06		T.			.04										.15	.20					
Williamsburg	K	.02			.05	.55	.05				.35																.15	.20		.10			
Williamsburg	C	.12				1.61	.02	.06			.08						.35										.15	.02					
Wurtz, Lock No. 12	K					1.35				.25																	.45	.02					

Except as otherwise indicated observations are generally made daily at the afternoon, observation, sunset, and precipitation records, as for the 24 hours ending at time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24 hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours.

Separate dates of falls not recorded. T. Trace, or less than 0.01 inch. * Precipitation recorded on the next following morning observation.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for December, 1930.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	45	40	59	61	63	50	45	46	62	56	61	59	50	60	45	42	40	47	47	51	45	35	34	54	45	45	38	39	42	40	44	48.1
	Minimum	30	29	36	42	46	37	42	40	31	40	35	44	40	40	25	20	20	25	20	20	20	..	40	36	36	40	40	37	34	37	38	33.1
Calhoun	Maximum	44	35	58	61	56	46	44	44	63	57	61	56	48	46	39	34	34	41	45	45	40	36	36	40	40	37	34	37	38	39	43	45.0
	Minimum	29	16	32	41	43	41	36	35	50	41	37	32	51	34	32	19	26	30	34	28	23	20	22	16	31	33	31	26	26	18	22	30.0
Darlington	Maximum	43	39	56	60	54	46	42	43	59	53	60	51	45	43	39	33	38	42	45	47	41	43	32	39	40	37	33	36	41	39	40	44.3
	Minimum	27	17	32	30	38	14	16	35	28	44	40	29	27	36	28	18	26	32	34	25	23	16	19	14	32	33	30	26	25	19	19	29.1
Greenville	Maximum	44	41	56	63	54	47	43	45	..	61	59	57	47	..	34	34	33	40	48	45	37	32	40	41	41	38	33	35	41	39	40	44.8
	Minimum	25	15	29	28	42	41	38	34	..	26	36	39	26	..	31	18	25	30	31	25	22	15	18	13	30	31	28	22	21	16	17	27.0
Hopkinsville	Maximum	46	43	59	62	74	49	43	48	64	56	61	54	48	45	50	37	34	47	50	45	38	33	43	44	45	45	38	39	44	39	46	48.6
	Minimum	28	18	27	38	43	42	30	32	39	38	47	31	28	36	32	19	27	32	34	24	18	22	16	30	32	29	27	24	19	21	29	29.2
Lovelaceville	Maximum	42	42	58	59	65	61	50	51	62	61	63	60	49	48	41	34	38	43	45	45	39	37	39	41	43	41	40	37	38	40	46	45.4
	Minimum	28	24	32	42	46	34	42	41	50	51	38	42	33	40	40	26	27	30	36	36	30	28	32	34	37	36	34	27	27	25	22	34.8
Marion	Maximum	54	41	56	59	59	47	44	44	60	56	59	51	46	46	47	38	38	46	46	46	39	37	36	34	47	47	47	49	38	41	44	48.1
	Minimum	32	16	34	42	42	40	30	31	31	30	43	32	30	30	29	18	12	28	33	32	29	12	29	13	29	17	16	33	24	12	23	29.5
Marshall	Maximum	..	..	54	60	55	55	50	49	63	57	60	53	49	48	..	40	34	37	42	49	46	37	43	..	45	36	..	..	..	44	44	48.1
	Minimum	..	..	24	40	48	41	38	28	33	41	36	29	27	34	..	20	25	28	35	26	28	18	23	13	..	30	26	..	..	21	22	29.5
Murray	Maximum	45	46	56	62	57	50	46	48	63	57	62	49	50	42	40	34	36	40	45	50	45	38	33	43	40	39	33	35	44	41	45	45.5
	Minimum	25	18	28	33	43	33	39	24	26	35	45	29	23	35	27	18	26	30	30	20	18	15	12	8	30	31	27	25	25	21	26	26.1
Owensboro	Maximum	44	38	56	61	58	46	44	42	61	59	58	49	47	46	44	37	37	44	46	46	41	38	32	38	38	38	35	38	38	36	38	42.2
	Minimum	26	14	27	37	43	40	38	30	26	38	45	30	25	34	27	16	25	30	32	28	23	20	30	28	28	28	28	25	28	26	28	28.3
Paducah (near)	Maximum	42	40	54	58	59	45	45	45	63	58	58	52	47	46	44	37	36	42	45	46	42	39	34	40	40	40	37	33	35	42	42	40	43.3
	Minimum	28	17	30	39	42	42	37	27	33	41	44	28	28	34	32	18	25	28	32	28	24	19	27	20	14	30	27	24	25	19	23	28.0
Princeton	Maximum	41	40	55	60	54	46	43	42	60	54	58	50	46	43	39	34	33	40	44	48	40	35	32	36	38	38	33	36	40	38	41	43.2
	Minimum	26	17	26	40	46	42	35	31	27	35	46	20	27	35	30	18	26	31	34	24	23	17	20	15	28	33	29	26	21	20	20	28.3
Russellville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Central Division.																																	
Anchorage	Maximum	39	36	50	60	48	46	41	37	55	53	57	45	47	43	57	31	32	37	42	46	38	26	31	35	41	38	33	35	38	30	39	40.8
	Minimum	21	11	22	31	40	36	36	34	25	31	29	26	34	25	23	16	21	20	32	21	22	15	16	8	22	32	28	27	20	14	9	28.3
Bardstown	Maximum	55	41	54	63	56	49	45	46	66	58	58	48	47	46	48	37	36	46	47	49	41	36	32	38	44	46	38	36	41	37	41	45.4
	Minimum	30	15	32	43	43	41	38	34	28	35	45	27	32	35	34	16	22	21	35	23	20	18	19	10	24	32	30	27	21	14	11	27.8
Bowling Green	Maximum	46	42	59	66	55	48	46	44	61	56	59	48	52	48	50	36	38	44	46	49	42	38	35	41	44	44	38	38	37	37	40	46.6
	Minimum	30	18	27	40	42	44	36	35	38	38	34	30	29	28	27	20	27	33	35	24	23	16	20	17	33	32	30	28	25	23	20	29.3
Dix Dam	Maximum	36	40	48	58	53	50	45	45	56	53	54	50	48	44	45	38	38	41	46	49	44	37	37	43	43	42	36	38	40	38	40	45.0
	Minimum	10	16	30	26	46	45	40	34	27	35	47	31	31	33	28	18	25	33	37	27	27	18	24	16	22	22	28	29	24	18	18	28.5
Eubank	Maximum	56	47	51	60	52	50	48	48	58	57	55	55	48	44	40	39	35	34	36	39	37	34	37	34	37	37	34	33	33	33	33	42.1
	Minimum	26	14	32	36	45	40	42	32	28	35	34	28	28	31	27	15	25	29	30	20	30	14	17	9	22	27	27	24	25	23	19	27.0
Frankfort	Maximum	50	35	52	57	53	50	46	42	56	54	56	53	45	44	41	33	33	37	41	43	41	35	32	38	44	44	36	36	41	37	41	43.6
	Minimum	30	15	22	33	36	34	30	31	30	32	46	32	30	32	28	18	24	31	33	27	25	18	24	13	26	32	30	27	24	17	11	28.1
Franklin	Maximum	47	46	59	67	54	48	45	47	62	57	60	57	52	47	44	38	35	38	41	45	40	37	36	43	43	42	38	38	37	45	44	45.4
	Minimum	34	18	31	38	43	42	38	37	30	43	47	30	29	36	30	19	27	32	37	26	24	20	26	18	29	32	28	26	24	20	18	29.6
Greensburg	Maximum	53	41	58	63	58	49	45	40	62	57	61	48	44	41	34	35	37	45	47	42	31	35	37	47	45	44	37	42	44	42	42	44.6
	Minimum	27	15	21	36	38	40	38	35	25	31	45	27	28	30	30	17	23	31	34	22	24	16	20	18	17	41	39	34	28	39	35	30.1
Irvington	Maximum	42	37	53	61	52	45	45	43	55	54	58	49	47	42	39	34	34	39	44	46	39	33	34	38	39	38	34	36	38	36	38	43.1
	Minimum	24	15	30	40	45	42	38	28	30	40	46	38	34	37	29	18	21	28	32	28	25	23	22	14	27	33	30	27	23	15	19	29.1
Junction City	Maximum	57	40	55	61	58	51	41	38	58	58	58	56	47	41	38	35	35	34	42	45	41	38	35	42	40	35	35	40	38	35	43	45.7
	Minimum	29	14	23	35	41	43	37	32	27	35	45	26	26	33	28	15	23	30	28	18	15	15	20	9	16	31	27	25	23	17	12	28.4
Leitchfield	Maximum	43	38	50	62	56	47	42	39	60	52	58	52	47	42	40	32	33	38	39	44	47	42	30	32	37	42	42	33	37	41	37	43.1
	Minimum	28	16	30	40	41	42	38	34	29	35	46	31	29	36	30	17	25	31	34	26	21	19	19	9	27	32	29	22	26	16	17	28.3
Lexington	Maximum	37	36	52	54	46	48	49	44	53	50	53	49	44	39	38	34	34	36	41	39	35	33	34	38	39	38	34	36	38	36	38	41.3
	Minimum	15	12	32	42	41	40	33	30	29	30	40	29	33	33	18	14	23	30	31	26	20	18	17	14	25	31	25	25	23	13	16	26.3
Louisville	Maximum	38	37	50	57	47	45	45	43	56	54	56	48	46	43	40	36	36	38	42	44	40	36	35	40	42	41	37	38	39	38	39	42.8
	Minimum	19	15	32	39	41	41	36	28	33	41	39	31	38	36	32	19	27	33	34	28	22	23	17	17	27	30	30	30	28	23	15	29.4
St. Joseph	Maximum	35	42	58	59	50	46	46	46	59	56	58	55	47	45	42	38	40	41	46	46	42	38	35	41	44	44	38	38	37	37	40	46.1
	Minimum	26	13	30	36	40	41	35	34	30	39	44	34	34	34	30	17	26	30	30	28	23	20	17	13	30	32	30	30	28	23	16	29.4
Scott	Maximum	..	..	42	56	52	45	46	42	56	56	57	51	45	46	38	33	36	38	42	44	39	37	36	38	41	40	36	36	37	36	38	42.6
	Minimum	..	..	26	36	39	42	35	31	31	39	44	32	33	34	31	17	28	31	33	28	21	17	20	11	29	31	28	25	25	24	20	30.0
Shelbyville	Maximum	47	35	54	63	46	48	45	39	57	53	57	51	45	40	38	29	30	40	44	48	39	37	33	37	46	46	37	37	39	39	43	44.0
	Minimum	24	20	27	35	39	42	37	32	29	35	45	29	34	33	26	15	23	30	32	24	22	17	23	11	28	33	28	26	25	24	20	30.0
Taylorsville	Maximum	46	35	51	58	54	48	46	42	56	54	57	53	45	45	41	34	34	41	43	48	43	38	36	41	43	43	38	38	38	38	40	43.8
	Minimum	26	16	29	35	40	39	34	28	30	40	46	28	29	34	28	19	24	31	33	27	24	20	20	14	27	31	30	29	27	26	23	30.0
Williamstown	Maximum	49	38	56	65	62	48	46	46	62	56	64	49	48	46	46	37	37	42	42	46	42	37	37	38	42	42	37	37	38	37	40	45.3
	Minimum	22	10	25	34	35	40	36	30	28	37	42	30	33	33	24	13	19	27	30	23	21	17	20	9	17	31	26	25	26	24	21	28.0
Eastern Division.																																	
Ashland	Maximum	59	32	59	58	53	52	52	43	57	58	59	53	45	42	36	29	34	36	40	48	39	37	33	37	42	41	38	34	40	39	46	43.5
	Minimum	31	14	41	50	35	41	41	34	34	33	45	39	37	33	28	16	29	31	30	32	30	18	27	16	16	33	33	35	31	35	13	32.7
Beattyville	Maximum	53	38	54	59	46	52	45	38	57	56	57	53	47	44	40	33	37	38	42	46	42	36	36	39	43	42	36	36	38	36	38	43.5
	Minimum	23	14	28	30	30	43	37	33	29	33	44	32	26	30	25	15	25	30	32	26	25	20	20	15	24	30	28	28	26	25	22	29.2
Ivel	Maximum	57	40	57	61	59	51	50	39	56	54	58	56	55	46	42	40	39	42	44	49	45	39	34	39	45	45	39	37	39	40	42	46.0
	Minimum	26	18	19	37	41	46	36	30	30	29	42	34	33	35	15	17	30	32	25	28	26	21	15	24	28	25	25	27	22	19	7	25.7
Jenkins	Maximum	57	42	56	60	58	52	51	42	57	58	56	55	46	42	40	36	39	41	49	45	39	34	30	35	43	45	35	37	39	42	46	47.4
	Minimum	27	11	33	37	39	44	40	32	29	30	43	29	34	34	29	11	21	30	35	25	25	19	23	16	29	33	30	28	25	22	19	28.1
Pikeville	Maximum	53	36	61	60	51	53	48	42	59	58	59	53	47	45	43	36	38	42	46	48	43	38	36	40	43	44	38	38	38	39	42	45.3
	Minimum	32	18	27	40	42	44	36	35	38	38	34	30	29	28	27	20	27	33	35	24	23	16	20	17	33	32	30	28	25	23	20	29.3
Quicksand	Maximum	56	40	58	58	53	50	45	45	56	53	54	47	45	42	39	34	34	37	40	46	42	38	36	39	42	42	36	36	38	36	38	42.6
	Minimum	30	16	29	30	38	38	36	33	33	37	42	33	32	33	30	19	27	32	34	26	24	20	20	18	29	32	28	28	25	23	19	29.1
Tariff	Maximum	57	42	58	59	58	52	51	42	57	58	58	55	47	45	43	36	38	42	46	48	43	38	36	40	43	44	38	38	38	39	42	46.0
	Minimum	27	11	33	37	39	44	40	32	29	30	43	29	34	34	29	11	21	30	35	25	25	19	23	16	29	33	30	28	25	22	19	28.1
Tolliver	Maximum	53	36	61	60	51	53	48	42	59	58	59	53	47	45	43	36	38	42	46	48	43	38	36	40	43	44	38	38	38	39	42	45.3
	Minimum	32	18	27	40	42	44	36	35	38	38	34	30	29	28	27	20	27	33	35	24	23	16	20	17	33	32	30	28	25	23	20	29.3
Whitesburg	Maximum	46	36	53	55	48	52	49	41	56	54	56	53	45	45	41	34	34	41	43	48	43	38	36	40	43	43	38	38	38	38	40	43.8
	Minimum	26	14	31	34	43	39	33	31	34	33	46	28	29	34	28	19	24	30	32	24	22	17	23	11	28	33	28	26	25	24	20	30.0
Wilgreen	Maximum	55	45	57	59	58	53	51	42	57	58	58	55	47	45	43	36	38	42	46	48	43	38	36	40	43	44	38	38	38	39	42	46.0
	Minimum	32	18	27	40	42	44	36	35	38	38	34	30	29	28	27	20	27	33	35	24	23	16	20	17	33	32	30	28	25	23	20	29.3
Williamsburg	Maximum	56	46	58	61	58	53	51	42	57	58	58	55	47	45	43	36	38	42	46	48	43	38	36	40	43	44	38	38	38	39	42	46.0
	Minimum	32	18	27	40	42	44	36	35	38	38	34	30	29	28	27	20	27	33	35	24	23	16	20	17	33	32	30	28	25	23	20	29.3
Wilmore	Maximum	39	42	48	59	48	50	49	43	55	53	55	49	45	44	41	38	38	39	40	46	42	38	36	40	43	43	38	38	38	39	42	44.0
	Minimum	21	19	29	36	40	41	40	33	30	39	43	33	32	33	30	19	27	32	34	26	24	20	20	18	29	32	28	28	25	23	20	29.3

[illegible] were read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

[illegible] were read at 7 P. M. etc., days missing from record.

W. R. [illegible], [illegible].

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXV LOUISVILLE, KY., ANNUAL, 1930 No. 13

GENERAL SUMMARY.

The high average temperature for the year was due mainly to the excess warmth in February, April, July, and September. Except for the comparatively cold March and October, the other months varied little from normal. Following the warm February, some injury resulted from the freezes of March; also severe freezes late in April caused considerable damage to potatoes and fruits. Due to the alternation of warmth and cold in long periods during the winter grains largely escaped injury from freezing and thawing. The average precipitation was nearly 7 00 inches less than the lowest previous record, and only 61 per cent of the normal amount. It was near normal in January and February, but was largely deficient in all other months. From March to December, inclusive, the total precipitation was about one-half of the normal amount. During the growing season, April to September, inclusive, only 51 per cent of the average rainfall occurred. From March to October, inclusive, 30 to 50 per cent of the normal amount was received at most stations in a broad belt extending from the southern Purchase to the upper Ohio and lower Big Sandy. Drought became apparent before the end of April in the uplands of the central and northern counties. It grew steadily worse and expanded in area as the summer advanced, culminating in conditions more serious than ever before experienced in this state during the period of recorded history. Waves of heat in July, breaking all records, caused enormous damage to tasseling and silking corn and increased the suffering of animals from thirst. Subsoil moisture had shown marked depletion as early as April, hence such growth as occurred resulted from occasional moderate showers that penetrated but a few inches. In the central and northern counties pastures had been practically destroyed by July, compelling farmers to feed the limited crop of hay or sell their livestock. Water shortage began to cause inconvenience late in June. By August and September large creeks had ceased to flow, and by late fall wells and springs never known to fail were dry. In the northern and eastern uplands hauling of water began as early as July and continued during the remainder of the year. Springs were still failing in December. The catch in cisterns and creek pools from time to time temporarily relieved conditions, after which hauling would be resumed. By August the water supplies of some cities of the bluegrass region had failed or became alarmingly low and polluted. As a result of failure of crops, loss of stock, and enforced idleness, a considerable proportion of tenant farmers and farm workers were reduced to privation, requiring relief measures by the Red Cross and other agencies.

The Weather By Months

JANUARY.---Two weeks of mild weather that advanced vegetation was followed by a like period of cold. Heavy rains early in the month caused some flooding of lowlands in the western counties.

FEBRUARY.---Springlike weather rapidly advanced vegetation. Tobacco and clover seed were sown generally, and there was much plowing and potato planting.

MARCH.---Most young clover was killed by freezes. The dryness of the soil led to oats sowing and considerable advance in preparing land for corn. Low temperature delayed germination and growth.

APRIL.---Dry weather stimulated progress with spring work. Tobacco plants were watered artificially to keep them growing. Oats came up but were stunted by drought. In the last two weeks most land became too dry to be plowed or conditioned, which interfered with corn planting.

MAY.---Moderate rainfall brought up early corn and permitted some tobacco setting. Tobacco plants grew irregularly, mainly dependent on artificial watering. Hand setting in the hills was possible for only a day or two, hence most transplanting occurred on the smooth upland. All growth was retarded by drought.

JUNE.---The comparative coolness was favorable in delaying drought injury. The dry weather reduced hay crops, and killed most young clover and considerable late tobacco. Thorough and frequent cultivation helped crops to withstand the drought, but growth continued very irregular. Moderate rains revived pastures, after which the new growth died owing to subsoil depletion.

JULY.---This was the driest July of record. Early corn, which was twisting at the beginning, had been almost ruined by the end. On the 28th maximum temperatures of 113° and 114° were recorded, exceeding the records set in the heat wave of July, 1901. Pastures became barren and gardens died or ceased to producer Except on bottom lands growth ceased. Great distress resulted from the water shortage.

AUGUST.---High temperature, with rapid deterioration of crops, continued through the first decade. Moderate showers later revived tobacco and helped bottom corn. Low temperatures that followed assisted in conserving the moisture. High

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature.				Precipitation		Number of Days.				
	Mean.	Departure.	Highest.	Lowest.	Average.	Departure.	01 inch or more.	Clear.	Pt. Cldy.	Cloudy.	Av. depth of Snowfall.
1889	55.6	−0.9	101	3	35.97	− 9.87					
1890	57.1	+0.6	101	4	58.82	+12.98					
1891	56.3	−0.2	105	0	49.69	+ 3.85					
1892	55.8	−1.2	101	− 6	44.25	− 1.59					
1893	55.5	−1.6	101	−22	44.71	− 1.13					
1894	57.1	+0.6	105	−12	34.81	−11.03					
1895	55.0	−1.6	104	−18	38.47	− 7.37	156	103	104		
1896	57.6	+1.1	106	−12	44.68	− 1.16	94	151	111	104	
1897	57.2	+0.7	107	−16	46.72	+ 0.88	111	168	97	100	8.1
1898	57.2	+0.7	103	−22	52.38	+ 6.54	103	153	110	102	12.5
1899	56.4	−0.1	105	−30	46.38	+ 0.54	112	155	105	106	24.6
1900	57.7	+1.2	104	− 9	44.40	− 1.44	110	160	102	104	12.9
1901	55.3	−1.2	112	−22	35.65	−10.19	88	164	85	111	11.7
1902	56.5	0.0	107	− 3	44.35	− 1.49	102	162	91	112	14.0
1903	55.8	−0.7	104	−16	41.16	− 4.68	106	170	87	108	12.9
1904	55.3	−1.2	100	− 9	35.10	−10.74	100	162	88	116	9.7
1905	55.8	−0.7	106	−16	47.68	+ 1.84	114	161	78	126	18.1
1906	57.0	+0.5	100	−12	48.84	+ 3.00	113	152	78	135	14.9
1907	56.1	−0.4	102	−11	47.76	+ 1.92	119	155	73	137	14.5
1908	57.7	+1.2	104	2	41.94	− 3.90	109	169	82	115	9.5
1909	56.5	0.0	104	−14	51.36	+ 5.52	108	158	82	125	10.0
1910	55.3	−1.2	100	−20	50.67	+ 4.83	111	168	74	123	30.6
1911	58.0	+1.5	106	−16	46.77	+ 0.93	117	155	67	143	6.6
1912	54.6	−1.9	103	−20	42.93	+ 2.09	108	165	74	127	27.0
1913	57.9	+1.4	109	− 2	47.46	+ 1.62	107	163	77	125	5.8
1914	56.3	−0.2	103	−16	41.80	− 4.04	106	163	80	122	22.7
1915	56.2	−0.3	102	0	51.92	+ 6.08	114	150	93	122	14.4
1916	56.2	−0.3	102	−14	45.49	− 0.35	106	174	85	106	23.9
1917	53.5	−3.0	100	−21	46.01	+ 0.17	106	155	91	119	42.8
1918	56.5	0.0	111	−20	40.64	− 5.20	106	159	87	119	24.9
1919	57.9	+1.4	104	− 1	52.13	+ 6.29	116	170	81	114	3.7
1920	55.5	−1.0	103	− 6	46.90	− 1.06	104	154	81	131	10.1
1921	60.1	+3.6	106	11	49.42	+ 3.58	113	160	94	111	13.0
1922	58.5	+2.0	103	1	44.43	− 1.41	119	170	87	108	3.0
1923	57.1	+0.6	99	− 4	53.92	+ 8.08	115	161	81	123	3.9
1924	55.0	−1.5	103	− 9	42.68	− 3.16	105	169	79	118	6.3
1925	57.6	+1.1	110	− 9	41.11	− 4.73	104	168	85	112	10.1
1926	56.1	−0.4	107	−11	49.95	+ 4.11	129	149	89	127	13.1
1927	57.8	+1.3	103	− 3	53.43	+ 7.59	123	157	88	120	10.5
1928	56.0	0.5	101	− 8	45.61	− 0.23	111	166	89	111	6.2
1929	56.2	−0.3	101	−15	48.46	+ 2.62	121	155	86	124	25.4
1930	57.6	+1.1	114	−20	27.86	−17.98	95	175	87	103	9.1
Means and Extremes	56.5	0.0	114	−30	45.47	− 0.37	109	160	87	117	14.3

Compared with 40 years' normal.

Climatological Data for the Year 1930.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number of days				Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION																				
Beaver Dam	Ohio	441	27	59.0	110	Aug. 8	−12	Jan. 23	28	28.78	7.55	Jan.	0.75	July	7.0	62	218	49	98	S.
Calhoun	McLean	437	27	58.9	109	July 28†	−10	Jan. 18	28	33.21	8.28	Jan.	0.33	July	16.0	87	89	214	72	SW.
Earlington	Hopkins	420	41	59.2	110	July 27	−11	Jan. 18	41	36.41	10.43	Jan.	0.18	July	7.8	83	217	54	94	SW.
Ford's Ferry	Crittenden								2	80.50	7.22	Jan.	0.30	July	11.7	97				
Greenville	Muhlenburg	519	14	57.9	109	July 28	−15	Jan. 18	14	29.55	7.37	Jan.	0.69	July	9.0	80	171	127	188	S.
Hopkinsville	Christian	524	35	59.7	111	Aug. 9	−12	Jan. 18	35	31.68	7.01	Jan.	1.05	Aug	3.5	96	107	73	185	SE.
Kevil	Ballard		2		112	July 28	−15	Jan. 18	2	32.30	9.51	Jan.	0.02	Jul						
Lovelaceville	Crittenden	571	33	59.0	108	Aug. 10	−13	Jan. 18	34	27.06	8.61	Jan.	T.	July	5.8	56				
Mayfield	Graves	364	22	60.3	110	July 11†	−17	Jan. 18	22	35.89	11.10	Jan.	T.	July	3.0	49	§204	876	866	SW.
Murray	Calloway	412	5	57.8	110	July 27	−20	Jan. 18	5	33.16	9.80	Jan.	T.	July	8.4	64	141	112	112	S.
Owensboro	Daviess	479	34	59.6	106	July 28	−17	Jan. 23	34	28.27	6.42	Jan.	0.46	July	13.5	85	198	45	122	S.
Owensboro Dam 46	Daviess	479							3	29.39	7.67	Jan.	0.55	July	12.0					
Paducah (near)	Mc racken	516	14	59.0	112	Aug. 9	−17	Jan. 18	14	36.82	10.15	Jan.	0.55	July	9.7	70	197	77	91	SE
Paducah	McCracken	341							42	35.33	8.64	Jan.	0.56	July	7.1	75				
Princeton	Caldwell	529	24	58.0	106	Aug. 9	−15	Jan. 18	24	38.13	11.03	Jan.	1.03	July	9.0	106	145	126	94	S.
Ramsey, Lock 2	McLean	384							19			Jan.	0.39	July	12.9	95				
Russellville	Logan	550	19		108	July 28	−9	Jan. 18†	3	29.87	7.50	Jan.	0.26	July	7.0	96				
Uniontown Dam 49	Union	314																		
CENTRAL DIVISION.																				
Addison Dam 45	Breckinridge	352							3	28.87	7.27	Jan.	0.40	July		93				
Anchorage	Jefferson	700	30	55.7	111	July 28	−13	Jan. 18†	30	23.43	5.97	Jan.	0.34	July	8.8	72	§221	165	173	SW.
Bardstown	Nelson	687	34	58.2	112	July 28	−10	Jan. 18	34	29.44	5.83	Jan.	1.05	July	11.0	102	219	69	77	S.
Bardwell	Carlisle	500	42	60.2	113	July 28	− 5	Jan. 18	43	30.50	6.51	Jan.	1.12	April	4.4	91	150	133	82	S.
Bowling Green	Warren	469							6	26.33	5.37	Jan.	1.02	April	4.0	89				
Bowling Green No. 2	Warren	469							14	29.94	6.52	Jan.	0.83	Sept	4.0	97				
Brownsville, Lock 6	Edmonson	410							40	30.60	6.38	May	0.86	April	9.3	91				
Burnside	Pulaski	773							32	26.32	4.65	Jan.	0.71	Oct	8.7	99				
Carrollton, Lock 1	Carroll	422							5	22.93	4.31	Jan.	0.66	Oct.	7.5	111				
Cool Spring	Campbell	489							7	27.01	3.82	Jan.	0.81	April		82	169	116	80	SW.
Dix Dam, Burgin	Mercer	770	7	58.2	107	July 28	− 5	Jan. 18	37	28.73	5.75	May	1.03	April	10.8	71	144	61	118	S.
Eubank	Pulaski	1,177	37	56.7	106	July 28	− 7	Jan. 18	42	22.59	4.92	Jan.	0.18	July	4.8	92	181	53	131	S.
Frankfort	Franklin	560	39	57.9	106	July 28	− 6	Jan. 23	34	27.55	5.75	May	0.75	April	3.5	89	200	83	82	S.
Franklin	Simpson	691	34	60.6	111	July 28	0	Jan. 23	20	25.04	5.01	Jan.	0.81	Oct.		110				
Gest, Lock 3	Henry	449							20	23.04	5.01	Jan.	0.53	May		102				
Grant, Dam 38	Boone	506							6	23.38	4.37	Jan.	0.93	Oct.	4.0	119	61	26	278	SE.
Greensburg	Green	581	38	57.9	114	July 28	− 5	Jan. 18	42	32.85	5.54	Jan.	0.78	Oct.	6.9	89				
High Bridge, Lock 7	Jessamine	590							29	25.60	4.00	Jan.	0.78	Oct.	6.9	80				
Irvington	Breckinridge	646	33	58.0	107	July 28	−10	Jan. 18	33	28.82	5.83	Jan.	T.	July	8.4	72	174	78	113	SW.
Junction City	Boyle	966	37	57.2	105	July 27†	12	Jan. 19	28	32.42	4.53	Jan.	0.50	July	11.0	116	165	149	51	SW.
Lancaster	Garrard	1,32							5	25.19	4.31	May	1.24	April		104				
Leitchfield	Grayson	635	35	58.1	108	July 28	12	Jan. 23	35	29.69	7.00	Jan.	0.30	July	6.7	90	162	112	91	SW
Lexington	Fayette	989	47	56.0	104	July 28	− 6	Jan. 18	18	24.89	4.44	Jan.	0.45	July	10.0	110	186	108	97	SW.
Little Hickman, Lock 8	Jessamine	823							20	26.12	4.25	May	0.68	April	12.0	88				
Lockport, Lock 2	Henry	456							21	26.42	5.02	Jan.	0.58	July	9.4	71				
LOUISVILLE	Jefferson	525	58	57.6	107	July 28	− 8	Jan. 18	58	22.88	5.95	Jan.	0.25	July	8.1	105	131	136	98	S.
Bo Cherokee Park	Jefferson	553	21		105	July 28	−10	Jan. 18	22	26.30										
Madisonville	Hopkins	600							8	24.82										
Mt. John	Hardin	777	35	57.3	113	Aug. 8	−10	Jan. 23	35	32.39	6.34	Jan.	0.77	July	8.4	93	223	61	81	
Salvisa, Lock 6	Mercer	409							17	30.94	5.18	Jan.	1.07	Oct.	7.8	81				
Scott	Kenton	900	33	55.3	103	July 28	11	Jan 18†	33	27.20	4.31	Jan.	0.88	Oct.	9.9	92				S.
Shelbyville	Shelby	825	42	56.2	112	July 28	−15	Jan 18	42	28.64	6.69	Jan.	0.87	Oct.	11.8	122	173	22	170	S.
Taylorsville	Spencer	489	29	55.8	108	July 28	10	Jan. 18†	23	28.52	5.66	Jan.	0.40	July	8.1	100	120	83	92	SW.
Tyrone, Lock 5	Anderson	526							13	33.19	4.75	Jan.	0.75	Oct.		97				
Williamstown	Grant	943	28	57.0	110	July 28	−10	Jan. 18	28	25.25	4.43	Jan.	0.86	July	10.5	102	225	81	59	W.
Woodburn, Lock 4	Butler	553							14	27.28	6.40	Jan.	0.91	July	6.5	99				
EASTERN DIVISION.																				
Ashland	Boyd	534	11	56.3	107	July 28	− 1	Jan. 19	14	23.26	3.75	Aug.	0.68	Sept.	9.3	122	153	8	204	S.
Beattyville	Lee	650	27	55.9	104	July 28	− 9	Jan. 19	28	26.63	3.56	May	1.11	April	8.7	120	77	113	175	SW.
Berea	Madison	1,070	29	58.1	108	July 28	− 5	Jan. 19	29	24.23	3.76	May	0.88	April	12.6	114	185	69	111	W.
College Hill, Lock 11	Madison	601							21	23.13	2.81	Jan.	1.10	July	7.5	108				
Cynthiana	Harrison	684							13	23.79	3.91	Jan.	0.44	Oct.	10.5	88				
Falmouth	Pendleton	600							42	24.48	4.63	Jan.	0.89	Oct.	4.9	110				
Farmers	Rowan	668	23		105	July 28	−15	Jan. 19	23	25.80	3.39	Jan.	0.99	June	7.7	61	§202	§57	§58	E.
Flemingsburg	Fleming	870							6	31.28	5.40	Aug	0.83	July		79				
Ford, Lock 10	Clark	593							15	21.85	3.06	May	0.53	June	7.1	100				
Grayson	Carter	680							6	22.75	3.00	Jan.	1.27	April	8.2	88				
Greenup, Dam 30	Greenup	540							11	22.52	3.70	Aug	1.04	Oct.	5.2	122				
Harlan	Harlan		3	56.5	105	Aug. 8	4	Jan. 19†	3	31.61	4.68	May	1.43	Sept.	16.3	105				SW.
Hazard	Perry	880							7	28.03	5.13	May	1.01	April	8.9	114				
Heidelberg, Lock 14	Lee	664							14	28.00	4.40	May	0.62	April		103				
Jenkins	Bell	1,566							6	25.66	3.39	May	1.02	Sept		110				
Louisa	Lawrence	584							27	21.87	3.13			July		96				
Manchester	Clay								13	30.49	5.27	July	1.13	April	14.5	102				
Maysville	Mason	522	31	57.0	104	July 28†	− 6	Jan. 19†	34	20.34	3.07	Feb.	0.70	Oct	7.0	102	145	86	134	S.
Middlesboro	Bell	1,128	31		110	July 28	− 2	Jan. 19	34	32.59	3.91	July	0.97	April	10.5	78	§151	§175	§24	
Mount Sterling	Montgomery	790	41	54.8	109	July 28	−10	Jan. 19	42	27.71	3.50	Jan.	1.45	June	12.7	103				W.
Owenton, Dam 35	Campbell	497							5	24.04	4.32	Jan.	0.82	Oct.	8.6	103				
Pikeville	Pike	635							25	28.87	5.16	Aug	0.48	Jan		79				
Prestonsburg	Floyd	639							6	22.53	2.89	Mar.	0.73	Sept	9.5	93				
Quicksand	Breathitt	732	5	56.4	106	July 28	3	Jan. 19	5	29.50	3.80	May	0.86	April	11.5	92				
Riverton, Lock 12	Lee	525							13	28.38	2.58	Mar.	0.81	Nov		97				
Richmond	Madison	926	40	58.4	105	July 28	3	Jan. 18	40	27.17	3.76	May	1.23	Nov.	11.5	98	201	37	129	
Valley View, Lock 9	Madison	541							17	25.57	3.93	May	0.64	April	9.0	104				
Vanceburg, Dam 32	Lewis	525							6	26.27	4.46	Feb	0.82	July		94				
Whitesburg	Letcher	1,142							16	26.17	3.58	May	0.93	April	15.0	101				
Williamsburg	Whitley	939	34	57.8	104	July 12†	− 1	Jan. 18	36	34.78	5.60	July	1.06	June	9.5	88	§285	§53	§24	
Winous, Lock 13	Lee	611							10	22.55	4.50	May	0.58	Sept.	10.0					

†Partly interpolated.
‡Also on other dates.

All temperature data are taken from self-registering thermometers.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

temperature toward the end brought renewed suffering to crops and animals. Cutting and feeding of half-dried corn stalks and extensive selling of stock continued.

Scattered rains near the Ohio and in the Green River Valley revived pastures and helped late corn, tobacco and late forage crops. Late vegetables, second pasture and meadow regrowth for forage germinated. Plowing became possible in some western counties. The relief was only temporary in most districts. Tobacco grew out considerably and was saved in excellent condition.

October.—The drought grew slowly worse, its principal phase being the acute water shortage. A general freeze on the 20th ended the growing season. Late rota

Monthly and Annual Precipitation for the Year 1930, with Departures from the Normal.

Stations.	January.		February.		March		April.		May		June		July.		August		September		October		November		December		Annual	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Beaver Dam	7.56	+3.28	3.80	+0.62	1.45	−2.79	1.68	2.44	2.48	1.24	2.22	0.95	0.74	3.23	1.67	−1.70	1.45	−1.23	1.16	1.75	1.85	1.16	2.25	1.14	28.55	14.35
Calhoun	8.28	3.40	4.62	+1.36	1.34	−3.36	1.69	−2.99	3.66	−0.26	2.12	−1.46	0.23	−3.85	2.84	+0.81	3.49	+4.71	1.41	1.88	1.72	−2.17	2.70	−1.41	36.21	6.34
Carrington	10.42	+5.76	1.92	+1.37	1.28	−3.71	1.91	2.45	3.05	1.38	2.11	1.66	0.18	3.98	3.8	+0.18	2.76	0.41	1.77	−0.96	1.75	−2.27	2.71	−1.25	37.58	16.19
Ford's Ferry	7.25		2.47		2.29		1.82		1.25		3.06		0.36		0.78		1.02		2.16		1.34		1.76		30.24	
Greenville	7.35	+3.03	3.13	−0.21	1.31	−3.61	1.61	−3.24	2.78	1.22	1.88	−2.12	0.66	2.45	1.94	2.92	1.30	1.11	2.78	−1.28	2.29	1.18	2.25	−1.14	29.54	9.48
Hopkinsville	7.05	+1.82	4.05	+1.36	1.48	−3.57	1.56	−2.75	2.78	−1.28	2.74	−1.54	1.12	2.51	1.67	2.59	1.85	1.80	2.43	−0.42	2.14	0.74	2.52	−0.90	34.65	9.66
Lovelaceville	9.51		3.61		2.56		1.10		2.08		1.76		1.58		2.09		2.09		2.09		2.04		2.09		38.91	
Marion	8.61	+3.98	2.87	−0.18	1.62	−2.98	1.85	−2.69	1.98	2.25	1.42	2.16	T	−3.56	1.85	−1.42	1.78	−1.29	1.72	−1.15	1.87	1.18	2.25	−1.18	29.40	5.66
Mayfield	11.1	+7.07	3.38	−0.28	2.67	−2.36	1.67	−2.86	1.67	−0.30	1.26	2.37	0.00	−3.89	1.66	−2.56	2.24	−0.75	2.65	−0.04	2.88	−1.43	3.74	−2.15	36.25	5.66
Murray	9.8		4.36		2.61		1.61		1.42		1.38		T		0.3		1.61		2.37		2.20		2.66		30.06	
Owensboro	6.42	+2.33	3.06	+0.13	1.23	3.30	0.85	−3.17	1.67	2.03	2.11	1.64	0.46	−2.54	1.45	1.91	0.87	+3.94	0.81	2.44	1.73	1.36	1.81	−1.15	26.27	15.01
Owensboro No. 2	7.67		3.31		1.42		0.88		2.11		1.92		0.38		5.24		1.18		1.89		2.22		2.42		30.23	
Paducah (near)	10.15	+4.99	2.95	+0.32	2.47	−2.87	1.8	3.71	2.35	−1.38	0.55	2.55	2.5	−2.27	0.86	−2.95	1.40	−2.10	2.27	−2.18	2.83	−2.11	2.84	−2.43	29.51	2.48
Ransdell	8.61	+4.18	3.52	+0.15	2.29	2.08	0.9	3.66	1.58	2.45	3.1	1.75	0.56	3.01	2.66	−0.64	5.63	+2.43	1.78	−1.05	2.92	−1.81	3.09	−1.04	39.58	10.37
Princeton	11.03	+6.78	4.11	−0.02	1.53	3.62	1.62	2.46	4.35	0.22	2.91	0.66	1.03	−2.81	2.2	−1.12	3.49	+0.54	2.18	−0.31	1.71	−2.35	3.04	−0.54	38.16	8.77
Ramsey, Lock No. 2†	8.23	+4.12	3.16	+1.45	1.16	3.45	1.6	2.87	4.24	0.4	2.28	1.31	0.39	2.91	2.71	1.58	3.49	−0.61	1.37	−2.12	1.84	2.13	2.48	1.48	34.05	20.25
Russellville	5.88	+0.61	1.64	+0.37	1.32	−3.67	1.21	−3.12	1.27	+0.58	1.56	2.54	1.49	−2.64												
Uniontown	7.56		3.07		2.29		0.81		6.88		3.38		0.27		1.85		0.74		1.21		1.71		2.97		29.87	
CENTRAL DIVISION.																										
Addison	7.27		3.84		1.31		0.48		2.68		2.78		0.40		0.92		3.86		1.16		1.99		2.90		28.87	
Bardstown	5.97	+1.92	3.31	+1.47	1.26	−2.86	0.95	−2.97	6.98	−2.81	1.55	2.17	0.34	−3.89	1.66	−1.91	1.59	1.32	0.60	−1.30	1.85	1.24	2.27	−1.65	23.43	6.60
Bloomfield	5.88	+1.11	3.67	−0.02	1.78	−2.90	1.14	−2.54	3.41	0.25	1.07	−3.04	1.05	−2.86	2.46	1.28	2.47	−0.38	1.36	−1.52	2.61	−0.77	2.20	1.52	29.43	5.44
Boating Creek	5.31	+0.46	3.81	−0.09	1.48	−3.84	1.12	−3.83	3.48	0.12	1.38	−2.84	2.65	−1.68	2.9	−1.68	1.41	1.98	1.87	−0.85	2.56	−0.82	2.70	1.84	30.56	12.52
Do No. 2	5.37		3.11		1.17		1.02		3.11		1.87		1.69		1.72		1.24		1.23		1.85		2.70	1.84	30.50	12.52
Brownsville, Lock No 6	6.52	−0.82	4.60	+0.44	1.95	−4.38	1.67	−3.41	2.57	−2.95	1.56	−1.95	1.13	−1.97	1.85	−2.27	0.86	−2.95	1.40	−2.10	2.27	−2.18	2.83	−2.11	28.36	−24.83
Burnside	5.66	+0.97	3.71	+0.50	1.40	−2.25	0.56	−3.15	6.38	−2.39	1.48	−2.43	2.15	−2.74	1.33	−3.03	1.59	−2.13	2.58	−0.66	1.65	−1.35	3.46	1.48	30.60	−19.28
Carrollton, Lock No. 1	4.56	+1.46	3.15	+0.55	1.85	−1.73	1.55	−2.61	1.71	−2.52	0.87	−3.66	1.69	2.28	2.66	−0.81	4.45	+1.51	0.71	−2.17	1.16	1.39	2.38	0.46	29.32	−14.17
Cave Spring, Barn 26	4.31		3.19		1.66		2.00		1.41		0.85		1.29		1.29		1.06		1.14		1.47		2.96		22.36	
D X Dam, Bargin	4.82		2.76		2.33		1.83		2.86		2.82		1.22		2.47		2.72		1.11		1.46		2.96		25.15	
Eminence	2.65	−1.39	3.7	0.09	1.87	3.11	1.03	−2.87	5.28	+0.90	2.64	1.14	2.55	−1.99	1.66	−2.74	2.32	−1.09	1.66	−1.63	1.34	0.53	2.75	−1.15	29.57	1.19
Frankfort	4.92	+0.88	4.34	+1.47	1.42	3.19	0.92	−2.94	2.86	−0.82	0.91	−3.32	0.78	3.88	2.05	1.67	1.69	1.72	0.69	−1.91	1.15	−2.16	2.18	1.52	22.56	21.16
Franklin	3.26	+0.74	2.20	−1.24	2.00	3.08	0.7	−3.67	5.27	+1.35	1.20	−2.45	1.73	−2.47	2.26	−1.24	2.30	1.05	1.45	−2.26	0.7	−3.87	2.5	0.55	25.46	−21.19
Gas Lines, Lock No. 3	5.01	+0.36	3.45	+0.51	1.80	−2.38	1.24	2.7	2.06	−1.45	1.05	−2.98	1.59	−2.81	2.87	−1.65	2.37	−0.74	0.84	−2.59	1.26	−1.82	2.19	1.88	25.63	−19.61
Gasaway, Dam 3	4.87		3.09		1.75		1.55		1.63		1.6		1.65		1.99		3.46		0.78		1.85		2.87		26.84	
Greensburg	5.51	+0.74	3.25	−0.65	1.88	−3.2	1.31	2.63	4.05	0.27	2.47	−2.10	1.97	−2.28	1.72	−2.46	5.21	+2.20	0.55	−2.13	2.4	−1.47	2.21	0.43	32.85	5.28
Hardyville, Lock No. 7	4.0	0.3	3.25	+0.42	2.13	−1.5	0.36	2.0	3.47	0.42	1.34	2.68	1.02	−3.36	1.47	−2.76	2.16	0.81	0.78	−2.28	1.87	1.31	2.86	−1.58	25.60	−19.58
Irvington	5.83	+1.47	4.08	+0.67	1.08	−3.55	0.34	−3.74	1.8	−1.95	3.1	−0.74	T	−3.21	1.88	0.00	2.33	−0.00	1.1	1.88	2.61	−1.34	2.16	−1.78	25.1	−17.57
Junction City	4.52	−0.46	4.06	+0.31	3.05	−0.12	1.26	2.68	3.06	−0.14	2.54	−1.17	0.70	−3.80	2.85	−1.67	3.74	−0.18	0.45	−2.47	2.25	−1.43	3.03	−1.00	32.45	14.43
Lancaster	2.85		2.56		1.22		4.31		1.55		1.38		1.85		2.64		1.73				2.04		2.64		26.12	
Leitchfield	7.07	+2.31	3.91	+0.43	1.72	−2.99	3.3	0.84	2.32	1.41	0.36	−3.59	1.54	−2.15	1.80	−1.62	1.51	−1.92	2.4	−1.31	2.5	−2.16	2.5	−2.43	28.16	
Lexington	4.11	+0.29	2.93	0.71	2.14	−1.75	0.83	2.63	3.32	−0.56	1.89	2.16	0.45	−3.20	1.69	−1.76	2.80	−1.27	1.63	−1.46	1.30	−1.75	1.79	−1.68	24.85	18.46
Little Hickman, Lock 8	4.15	−0.57	2.97	−0.19	2.28	−1.61	0.68	−2.94	4.2	−0.16	1.16	−3.30	0.70	−3.52	1.63	−2.68	2.48	−0.81	1.17	−2.11	2.68	−1.07	1.97	−1.74	26.12	−20.49
Lockport, Lock No. 2	5.2	+0.78	3.37	+0.82	1.66	2.11	0.58	−3.34	3.14	−0.16	2.39	−2.13	0.68	−3.29	2.83	−1.22	2.93	−0.08	0.76	−2.49	1.42	1.42	2.64	−1.79	26.35	−17.32
LOUISVILLE	5.70	+1.96	3.80	+0.39	1.62	−2.77	0.61	−3.24	1.47	−2.29	1.77	−2.15	0.58	−3.46	2.29	−1.29	2.50	−0.48	1.11	−1.94	1.87	−1.87	2.58	−1.85	28.88	19.58
Do (Cherokee Park)	6.14	+1.75	3.88	+1.13	1.32	2.83	0.64	−3.84	2.1	−1.47	1.98	2.11	0.54	−4.09	1.92	−2.56	3.2	0.01	0.88	−2.22	2.0		2.6		30.05	
Mumfordville	6.23		3.88		2.52		2.13		4.04		0.19	−4.61	0.47		2.01	0.71	1.59	1.23	0.66		2.20		2.54	−0.74	28.82	
St. John	6.61	+1.74	4.20	+0.83	1.75	−3.24	1.09	−3.16	2.5	1.54	3.72	0.51	0.77	−2.72	1.97	−1.96	4.10	+1.10	1.40	−1.43	2.52	1.07	2.68	−2.47	32.36	−14.45
Salvisa, Lock No. 6	5.18	+0.21	3.79	+0.54	3.45	0.14	1.65	−1.77	3.47	0.12	1.87	2.78	1.66	3.09	1.68	−1.85	3.56	−1.37	1.07	−1.91	1.06	−1.42	3.22	−2.46	30.64	−14.51
Scott	4.21	+0.58	3.25	+0.60	2.07	2.33	2.77	−0.77	1.40	2.53	1.61	1.98	1.80	−1.89	1.77	−1.14	2.66	−1.05	1.17	−1.65	1.55	−1.53	2.7	−2.20	28.42	18.82
Shelbyville	6.66	+2.46	4.17	0.60	1.63	3.24	1.10	−2.83	2.37	1.67	2.07	−2.33	1.10	−3.18	2.41	−1.10	2.66	−0.46	0.87	−1.88	1.47	−2.24	1.71	−1.84	27.34	−16.46
Taylorsville	5.6	+1.14	4.51	+1.25	1.72	2.91	1.70	2.87	3.2	−0.58	2.17	2.01	0.40	−3.87	2.62	−1.25	2.15	1.64	1.29	−1.77	1.61	−1.46	1.87	−2.23	28.8	18.72
Tyrone, Lock No. 5	4.7	+0.9	3.51	+1.02	2.38	−1.55	1.72	2.72	3.66	+0.69	3.21	−1.52	1.60	3.04	3.14	−0.71	3.46	+0.51	1.57	−2.24	2.42	−0.66	2.20	−2.28	33.15	−12.52
Wilmington	4.43	+0.8	3.76	0.77	2.29	−2.18	1.84	1.49	1.91	1.46	−2.38	0.98	−2.83	1.86	−2.80	2.28	0.63	1.02	−1.88	1.53	−1.96	0.16	1.35	25.05	16.40
Woodbury, Lock No. 4	6.4	−1.3	3.73	−0.03	0.97	4.17	1.54	−2.17	3.39	0.13	1.18	−2.60	0.91	2.25	2.37	−2.13	1.81	1.54	1.82	−1.80	1.86	2.35	2.27	−2.16	27.29	21.18
EASTERN DIVISION.																										
Ashland	2.12	−2.26	3.27	−0.24	3.19	−0.8	1.57	−1.76	1.82	−2.15	0.86	−2.65	1.30	−2.75	3.7	−0.53	6.68	2.26	0.93	−1.75	1.14	−2.44	2.56	−0.66	29.29	−10.13
Beattyville	2.67	−2.2	3.24	−0.24	3.84	−1.8	1.41	3.62	3.56	−0.51	1.43	−3.10	2.69	2.67	2.26	−2.19	1.22	−1.88	1.28	−2.05	1.49	−1.14	2.82	−1.43	32.49	−22.45
Berea	3.2	−1.57	3.35	+0.25	1.86	−3.17	1.88	2.56	5.76	0.41	1.02	−3.54	1.21	−3.47	1.88	−2.73	1.10	−1.84	1.43	−1.64	1.46	1.14	2.43	−2.34	24.29	−29.27
College Hill, Lock No. 12	2.7	−1.9	2.84	−0.18	2.35	−1.78	1.16	2.16	3.14	0.17	1.57	−2.93	2.16	2.65	2.6	−1.96	1.59	−2.18	1.75	−2.11	2.01	−2.19	2.83	−2.12	28.13	−22.34
Cynthiana	3.47	−0.23	3.64	−0.76	2.04	2.23	2.55	1.53	1.79	1.24	−2.18	0.60	−2.61	2.68	−1.90	1.42	−2.19	0.10	−2.86	1.64	−1.58	1.56	−2.29	23.75	20.84
Fenton	1.6		2.91		2.75		1.52		2.66		1.6		1.70		5.07											
Falmouth	4.0	−0.37	3.24	+0.05	2.96	2.18	2.32	1.46	1.15	−2.42	2.48	−1.72	0.54	−2.71	2.27	−1.71	2.32	−0.66	0.86	−1.74	1.13	−2.1	2.11	−1.20	24.48	−15.66
Farmers	3.5	−0.80	3.04	+0.04	2.92	1.84	1.61	2.47	2.0	−1.66	0.99	−3.28	1.86	−2.80	2.85	−1.57	2.45	−0.52	1.26	2.10	1.21	−1.85	2.05	−2.14	25.80	−20.83
Flemingsburg	5.11		4.05		3.04		1.77		2.87		1.81		0.58		3.16		1.35		1.92		1.47		1.55		31.28	
Ford, Lock No. 10	2.3	−2.0	3.01	+0.2	2.15	−1.43	0.92	−2.58	3.06	−0.30	0.58	3.29	1.46	3.49	1.87	−2.05	2.35	−0.66	1.26	−1.48	1.58	−1.70	2.17	−1.50	27.45	21.37
Grayson	3.9		2.91		2.22		1.27		1.55		1.27		1.56		1.25		1.58		1.51		1.51		2.04		22.75	
Greenup, Dam 30	2.7	−1.7	3.37	+0.46	2.34	−1.32	1.24	−2.45	1.77	−1.83	1.15	−3.17	1.28	−2.97	3.59	+1.21	1.31	−1.02	1.04	1.46	1.15	−2.42	1.87	−1.77	22.52	−15.49
Harlan	1.8		2.47		3.44		1.74		4.78		1.46		2.04		3.69		1.43		1.61		2.69		3.47		33.13	
Hazard	1.40		2.91		2.75		1.89		5.15		1.89		2.58		2.49		1.40		1.50		2.68		3.45		28.02	
Heidelberg, Lock No 14	2.6	2.12	2.81		1.26	0.52	−2.34	4.46	+0.52	1.82	−2.45	2.77	1.75	2.98	−2.24	1.25	1.20	−2.46	2.11	−1.99	2.38	−2.17	28.09	−19.68
Jenkins	1.8		2.43		1.93		1.39		3.38		1.87		2.36		3.56		1.02		1.58		2.72		2.14		25.16	
Louisa	3.6	−1.3	3.63	−2.06	1.46	1.85	1.29	2.09	1.92	3.47	0.53	2.62	3.69	0.04	1.37	1.37	1.03	−1.89	1.40	−1.47	1.38	−1.72	21.87	−20.77
Manchester	1.8	−2.5	2.75	+0.78	3.13	1.46	1.17	−2.23	3.10	+0.23	1.06	−3.03	5.37		3.03	−1.46	1.24	1.83	2.12	−0.45	1.82	−1.24	3.14	−1.19	30.49	
Maysville	3.0	−1.0	3.07	−0.10	2.21	−2.27	1.64	1.99	2.56	0.56	3.19	1.15	−2.18	1.46	−2.17	2.05	−0.87	0.70	−1.06	0.81	2.21	1.59	−2.04	2.36	34.25	−2.55
Mud Boscoro	1.6	−3.6	2.67	−1.64	3.45	0.14	1.57	3.73	5.85	0.28	1.58	−3.51	2.91	−1.46	2.27	2.17	1.23	−0.68	1.86	−0.59	2.60	−0.26	3.19	−1.75	32.76	−7.15
Mount Sterling	3.9	−0.7	3.48	−0.75	2.76	−2.62	1.80	−2.77	2.79	−1.53	1.65	3.80	1.57	−3.41	3.20	−0.83	2.48	0.61	1.18	−1.82	1.48	−2.41	1.67	−2.21	31.73	−9.89
Oneida, Dam No. 35	4.22		3.65		1.98		1.26		1.14		1.77		1.59		1.13		1.33		0.82		1.30	−2.45	1.67	−1.36	24.06	
Pikeville	0.75	−3.65	2.47	1.08	2.72	−1.57	0.80	2.62	5.13	0.27	1.22	−3.17	1.16	−2.66	5.10	+1.09	2.66	1.24	1.18	−1.78	2.25	−0.14	1.48	2.37	35.87	−18.25
Prestonsburg	1.9		2.27		3.47		1.77		4.87		1.22		2.77		3.08		2.24		1.06		2.24		3.24		29.62	
Quicksand	2.45		3.6		3.47		2.86		4.87		1.55		2.46		2.99		2.49		1.29		2.11		2.96		32.77	
Ravenna, Lock No 12	2.15	−1.86	2.31	0.88	2.58	−1.48	0.96	−2.84	2.51	−1.59	1.47	2.99	0.98	−3.48	1.99	−2.85	1.32	−2.07	0.46	−2.07	1.84	−2.28	1.17	−2.76	19.80	−27.40
Ravenna	2.7	−1.74	2.31		2.58	2.08	2.06	−2.08	2.51	−1.98	2.28	1.79	2.10	−1.41	2.81	−1.33	1.56	−1.39	1.68	−1.73	1.5	−2.32	2.77	−1.97	27.77	−17.82
Wallace Dam, Lock No. 9	2.4	−2.0	2.47	−0.72	2.46	−1.70	0.64	−3.21	4.06	−1.20	0.8	−3.62	1.15	2.95	3.46	0.67	3.14	1.43	1.46	−0.98	1.88	−1.48	2.45	−2.07	30.77	−26.64
Greenup, Dam No 32	3.38	−0.83	3.47	+0.56	4.33	−0.38	1.97	−1.72	1.5	2.8	1.57	1.88	0.82	3.60	3.16	1.80	1.45	1.45	1.28	−1.50	1.97	−2.48	2.43	−1.57	26.27	−19.92
Wickliffe	1.42		3.1		2.65		0.87		8.75		2.62		2.95		2.95		1.50		2.10		2.11		2.61		32.46	
Williamsburg	2.6	−1.94	4.3	+0.72	3.34	−1.69	1.09	3.19	4.57	+0.47	1.06	−3.86	5.06	−0.29	2.87	−1.70	3.06	0.4	1.42	−0.64	1.57	−1.48	3.38	−0.54	21.78	14.36
Willow, Lock No. 13	1.49	−2.54	2.82		2.67	−1.42	0.65	2.18	4.76	+0.80	0.8	−4.39	1.80	−2.65	1.80	−2.61	0.58	−3.06	1.85	−1.57	1.21	−2.97	2.75	−1.49	22.25	

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. §Interpolated. *Partly interpolated. †Precipitation is less than one inch rain or melted snow.

†Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

toes had been so retarded by drought that they suffered extensive damage. Wheat sowing was confined to land from which other crops had been removed.

rapidly from top dry fields. After the 10th foggy, showery weather furnished the first favorable conditions for handling tobacco

NOVEMBER.—Two weeks of warm weather greatly benefited the undersized wheat, but severe cold near the close ended all growth. The limited corn crop was gathered

DECEMBER.—Ten days of moderate temperature caused slow growth of pastures. In two brief snow or rain periods some water collected in creek pools, but severe freezes rendered it difficult of access. Dry cold weather interfered with handling tobacco.

Monthly and Annual Mean Temperatures for the Year 1930, with Departures from the Normal.

Station.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
WESTERN DIVISION.																										
Beaver Dam	34.8	— 0.8	47.5	+11.3	45.8	— 1.8	59.3	+ 3.4	67.4	— 1.1	73.8	— 0.4	83.0	+ 5.2	77.4	+ 1.0	73.6	+ 2.7	56.6	— 2.1	48.8	+ 1.9	b39.6	+ 2.5	59.0	+ 2.0
Calhoun	34.0	— 2.7	48.0	+10.8	46.0	— 3.2	60.9	+ 2.8	68.4	+ 0.8	74.0	— 1.4	82.6	+ 4.6	78.6	+ 1.2	72.9	+ 0.9	57.0	— 3.0	48.4	+ 0.2	37.5	— 0.7	58.9	+ 0.7
Earlington	33.6	— 2.0	48.5	+11.2	46.6	— 1.1	60.9	+ 3.6	68.2	+ 1.3	74.4	— 1.2	83.2	+ 4.7	78.5	+ 1.4	74.0	+ 2.6	57.4	— 2.2	48.4	+ 0.6	36.7	— 1.9	59.2	+ 1.4
Greenville	33.7	— 1.9	47.7	+ 8.4	45.2	— 3.0	a59.3	+ 1.9	a67.0	+ 2.3	a78.3	— 1.6	81.2	+ 4.1	76.9	+ 0.2	a72.7	+ 1.7	a55.5	— 3.8	a47.2	— 0.6	a35.6	— 3.1	57.9	+ 0.3
Hopkinsville	34.0	— 3.5	47.7	+ 9.3	46.0	— 3.3	61.5	+ 4.2	68.9	+ 1.8	74.8	— 0.7	83.0	+ 4.2	80.0	+ 2.1	75.4	+ 3.3	59.0	— 1.6	49.3	+ 0.8	37.1	— 1.4	59.7	+ 1.3
Hopkinsville																			57.0		48.4		38.2			
Lovelaceville	31.2		47.8		47.2		61.0		67.6		75.8		83.4						57.5	— 2.6	48.5	+ 0.2	36.5	— 1.8	59.0	+ 1.0
Marion	33.4	— 2.4	48.4	+11.4	45.8	— 2.7	62.0	+ 4.4	68.6	+ 1.9	74.8	— 0.2	a81.8	+ 3.9	a77.4	— 0.6	73.0	— 0.6	a75.5	+ 3.5	a59.6	— 0.6	b49.2	+ 0.4	a38.8	— 1.2	60.3	+ 1.8
Mayfield	a33.4	— 3.2	48.6	+ 9.3	a47.8	— 3.1	b61.6	+ 3.7	67.5	— 1.8	b76.6	+ 1.9	a84.4	+ 6.5	a80.4	+ 3.0	b75.5	+ 3.5	58.0		49.2		38.8		57.8	
Murray	33.6		47.0		45.4		59.2		66.5		73.0		a81 0		77.4		74.3		58.0		49.2		38.8		57.8	
Owensboro	31.1	— 3.8	46.0	+ 9.9	43.6	— 3.5	58.3	+ 2.8	66 0	+ 0.4	72.4	— 1 9	80.2	+ 2.5	75.8	— 0.8	74.3	+ 1.3	58 8	— 2.0	48.8	0.0	35.6	— 3.7	57.9	— 0.1
Paducah (near)	32.0	— 3.9	47.4	+ 5.7	46.5	— 2.7	61.1	+ 2.9	66.4	— 0.2	75.0	— 2.0	83.0	+ 3.0	80.0	+ 2.1	75.4	+ 3.3	59.0	— 1.6	49.3	+ 0.8	37.1	— 1.4	59.7	+ 1.3
Princeton	32.1	— 5.5	46.8	+10.4	45.4	— 3.1	60.0	+ 1.9	67.0	+ 0.3	73.3	— 1.6	a81.2	+ 3.3	77.2	— 0.1	72.5	+ 1.0	57.2	— 1.9	48.0	+ 1.1	35.8	— 2.6	58.0	+ 0.2
Russellville	a32.8	— 2.7	46.2	+ 8.8	a45.7	— 3.1	a59.0	+ 1.0	c64.8	— 1.1	73.7	— 1.2	c81.2	+ 3.5												
CENTRAL DIVISION.																										
Anchorage	31.8	— 1.0	43.5	+10.5	a41.8	— 3.2	a57.5	+ 3.6	64.6	+ 0.9	71.2	— 0.8	79.8	+ 3.7	76.4	— 0.3	a70.4	+ 1.4	54.0	— 2.9	44.6	+ 0.2	33.0	— 1.5	55.7	+ 1.0
Bardstown	35.6	+ 0.8	46.6	+10.9	44.8	— 2.1	59.6	+ 4.0	67.1	+ 1.1	73.5	— 1.0	81.5	+ 0.8	77.7	+ 0.7	73.0	+ 2.5	56.6	— 3.1	47.5	+ 0.8	35.2	— 1.6	58.2	+ 1.0
Bowling Green	37.2	+ 0.2	48.4	+ 9.7	47.0	— 1.5	61.8	+ 3.5	68.8	+ 1.4	75.4	— 0.4	a83.5	+ 4.8	79.2	+ 0.9	75.6	+ 3.4	59.0	— 0.8	49.2	+ 1.6	37.0	— 1.8	60.2	+ 1.8
Dix Dam	37.0		47.0		45.4		59.3		67.4		73.8		80.6		76.7		73.8		56.0		46.0		34.9		58.2	
Eubank	36.1	+ 1.1	46.6	+11.8	44.2	— 1.9	57.6	+ 3.3	66.4	+ 2.4	71.6	— 0.2	77.8	+ 2.9	74.6	+ 0.8	71.6	+ 3.1	53.4	— 3.5	46.2	+ 1.1	34.5	— 1.9	56.7	+ 1.6
Frankfort	36.0	0.0	45.6	+ 9 7	44.6	— 2.0	59.2	+ 3.4	67.4	+ 2.2	73.1	— 0.5	81.0	+ 4.1	76.8	+ 1.7	72.6	+ 3.4	55.6	— 1.5	46.7	+ 0.3	35 8	— 1.4	57.9	+ 1 7
Franklin	37.8	— 0.8	49.0	+10.0	47.2	— 2.4	62.0	+ 2.8	69.5	+ 2.8	76.0	+ 1.4	84.3	+ 6.5	80.4	+ 3.6	75.6	+ 3.3	58.6	— 1.0	48.8	— 1.0	37.5	— 2.7	60.6	+ 1.8
Greensburg	36.4	+ 1.7	47 3	+12.4	44.0	— 2.6	59.1	+ 3.9	67.0	+ 2.2	72.9	— 0.4	81.0	+ 4.4	77 0	+ 1.7	72.6	+ 3.0	51.8	— 2.3	46.8	+ 1.6	35.7	— 0.6	57.9	+ 2.1
Irvington	33.8	— 1.8	46.7	+10.6	44.0	— 3.2	59.8	+ 3.9	67.1	+ 1.2	73.8	— 0.1	81.3	+ 4.0	78.0	+ 1.9	72.2	+ 1.9	55.9	— 0.8	47.5	— 0 9	35.8	— 0.9	58.0	+ 1.5
Junction City	35.2	+ 0.1	45.6	+11.0	44.2	— 1.9	57.8	+ 2.9	66.9	+ 2.3	73.7	+ 1.6	79 4	+ 4.0	78 5	+ 1.0	72.7	+ 3.4	54.2	— 3.4	46.0	+ 2.1	34.6	— 1.6	57.2	+ 1.8
Leitchfield	34.4	— 0.6	46.4	+11.2	44.6	— 1.9	59.4	+ 3.8	66.4	+ 1.3	73.2	0.0	81.4	+ 4.8	77 8	+ 2.2	73.0	+ 3.2	56.6	— 1.5	47.9	+ 1.4	35.7	— 0.9	58.1	+ 2.0
Lexington	32.6	— 0.3	43.8	+ 8.5	40.8	— 2.9	57.6	+ 3.3	65.4	+ 1.1	72.8	+ 0.6	79.6	+ 3.7	76.2	+ 1.7	71.2	+ 2.7	54.7	— 2.7	45.6	+ 0.8	32.2	— 3.6	56.0	+ 1.0
LOUISVILLE	32.5	— 1.9	46.0	+ 8.8	43.4	— 2.0	59.5	+ 3.1	67.2	+ 0.6	73.7	— 1.0	81.4	+ 2.8	77.8	+ 0 8	71 9	+ 1.4	56.4	— 2.9	46.8	+ 0.1	34.6	— 3.0	57.6	+ 0.6
Do. Cherokee Park	33.9	— 0.4	45.8	+ 9.3	44.0	— 2.2	58.8	+ 2.6	65.6	+ 1.2	71.4	— 1.0	79.2	+ 3.3	75.6	+ 1.1	70.4	+ 1.3	55.2	— 2.8						
St. John	33.8	0.0	46.8	+11.8	43.7	— 1.8	58.2	+ 3.6	65.2	+ 0.9	72.0	— 0.7	80.6	+ 4.6	76.4	+ 1.5	71.8	+ 2.5	56.6	— 1.1	47.7	+ 2.0	35.5	+ 0.1	57.3	+ 1.9
Scott	31.7	— 0.6	42.8	+10.6	41.8	— 1.9	56.2	+ 3.0	64.4	+ 1.0	71.2	— 0.5	78 4	+ 2.5	74.8	+ 0.2	69.7	+ 1.7	52.5	— 3.8	44.6	— 0.2	35.4	+ 0.2	55 8	+ 0.6
Shelbyville	32.2	— 1.2	43.7	+ 9.2	41 8	— 3.1	56.4	+ 1.7	64 6	0.0	71.8	— 0.5	80.4	+ 3.9	75.6	+ 0.4	a71.6	+ 2.3	53 8	— 3.8	44.6	— 0.2	35.4	+ 0.2	55 8	+ 0.6
Taylorsville	34.4	+ 0.2	44.2	+ 8.8	42.4	— 3.2	55.7	+ 1.2	65.6	+ 1.0	70.5	— 1.7	79.6	+ 3.5	74.8	+ 0.2	69.7	+ 1.7	52.5	— 3.8	44.6	— 0.2	35.4	+ 0.2	55 8	+ 0.6
Williamstown	33.7	+ 1.3	44.0	+12.0	42.2	— 2.4	58.8	+ 6.0	67.2	+ 3.6	74.4	+ 3.2	81.8	+ 6.1	78.0	+ 3 8	72.0	+ 3.4	54 6	— 0.5	45.0	— 0.1	32.9	— 0.6	57.0	+ 2.9
EASTERN DIVISION.																										
Ashland	30.6	— 4.6	43.0	+ 6 2	41.9	— 5.7	56.2	+ 0.4	66.3	+ 2.4	72.6	— 1.3	79.8	+ 3.7	75.2	— 0.8	72.2	+ 1.8	54 9	— 2.8	46.6	— 0.8	36.3	— 3.0	56.3	— 0.3
Beattyville	35.6	+ 0.7	44.2	+ 8.5	43.2	— 2.7	57.7	+ 3.2	65.0	— 0.8	70.4	— 2.3	77.6	+ 1.7	73.2	— 1.9	71.0	+ 1.2	53.4	— 4.4	45.6	+ 0.6	33.6	— 2.1	55.9	+ 0.3
Berea	36.2	— 2.0	46.8	+10.5	44 9	— 2.2	59.3	+ 3.5	66.6	+ 1.4	73.4	+ 0.5	80.8	+ 4.8	77.0	+ 2.6	73.8	+ 4.5	55 9	— 2.7	47.8	+ 0.2	34.6	— 2.0	58.1	+ 1.8
Dorton	39.8		45.9		43.8		57.0		65.2		69.4		75.7		b75.0											
Farmers	34.6	+ 0.1	a45.6	+ 9 0	44.6	— 0.7	56.9	+ 2.2	66 2	+ 3.4			80.6	+ 5 9	a72.9	— 0.9	a72.7	+ 4.8	56.2	— 0.4	a46 1	+ 1.0	34.6	— 1.4		
Harlan	38.2		44.9		43.8		57.6		65.8		70.8		a77.2		a71.8		72.3		55.6		46.1		31 8		56.5	
Maysville	34.8	+ 1.9	44.2	+ 9.5	44 1	— 0.2	57.6	+ 3.5	66 0	+ 1.4	a72.8	+ 0.4	a77 4	+ 2.6	a73.6	+ 0 6	a72.5	+ 3.4	53.4	— 4.0	45.4	— 0.6	34.4	— 4.0		
Middlesboro	38.8	— 0.4	c45.1	+ 5.3	a45.8	— 2.7	a59.0	+ 2.4			a71.6	— 0.8	79.1	+ 3.3	b73.5	— 0.8	73.7	+ 2.2	52 4	— 3.6	43 8	— 0.2	31.2	— 4.2	54.8	+ 0.2
Mt Sterling	32.7	— 0.8	42.7	+ 8.5	41.7	— 2.3	55.8	+ 2.0	62.4	— 1.4	70.6		a76.6		73.7		71.2		53.7		46.6		35.0		56.4	
Quicksand	37.4		45.0		44.0		a58.0		65.1		69.8	+ 4 1	77.5	+ 2.0	73.4	+ 2.9	58.4	— 2.7	47.6		36.4	— 3.7	58.4	+ 2.2		
Richmond	37.1	+ 2.8	47.6	+11.3	45.5	— 0.8	59.7	+ 3.8	66.8	— 1.2	73.8	+ 0.3	80.8	+ 4.1	77.5	+ 2.0	73.4	+ 2.9	56.4	— 3.2	47.7	+ 0.4	36.4	— 2.7	57.8	+ 0.4
Williamsburg	39.8	+ 1.1	46.7	+ 7.9	45.9	— 1.2	58.8	— 2.3	66.9	+ 0.2	71.8	— 2.6	78.4	+ 1.7	74.4	— 1.6	72.0	+ 1.8	56.4	— 3.2	47.7	+ 0.4	36.4	— 2.7	57 8	+ 0.4

All temperature data are taken from self registering thermometers.
The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1930.

STATIONS	Last in Spring.	First in Autumn.
WESTERN DIVISON		
Beaver Dam	April 25	Oct. 19
Calhoun	do 25	do 20
Greenville	do 25	do 18
Hopkinsville	do 24	do 18
Lovelaceville	Mch. 30	do 18
Marion	do 31	do 18
Mayfield	do 31	do 18
Owensboro	April 24	do 20
Paducah (near)	Mch. 30	do 22
Princeton	do 31	do 18
Russellville	April 25	
CENTRAL DIVISON		
Anchorage	April 25	Oct. 19
Bardstown	do 26	do 18
Bowling Green	Mch. 31	do 21
Dix Dam	April 26	do 20
Eubank	do 26	do 19
Frankfort	do 25	do 19
Franklin	Mch. 31	do 21
Greensburg	April 26	do 19
Irvington	April 25	Oct. 20
Junction City	do 25	do 19
Leitchfield	do 25	do 20
Lexington	do 25	do 19
Louisville	do 25	do 20
Do. Cherokee Park	do 26	do 20
St. John	do 26	do 19
Scott	do 26	do 19
Shelbyville	do 26	do 19
Taylorsville	do 26	do 19
Williamstown	do 25	do 19
EASTERN DIVISION		
Ashland	April 25	Oct. 19
Beattyville	do 26	do 18
Berea	do 26	do 20
Farmers	do 26	do 19
Maysville	do 26	do 20
Middlesboro	do 26	do 18
Mount Sterling	do 26	do 19
Richmond	do 25	do 18
Williamsburg	do 27	do 18

MONTHLY SUMMARIES, 1930.

MONTH.	Temperature.				Precipitation.		Average number of days.			
	State average.	*Departure.	Highest.	Lowest.	State average.	*Departure.	With .01 or more rain.	Clear.	Partly cloudy.	Cloudy.
January	34.5	— 0.8	75	—20	4.85	+ 0.60	13	11	5	15
February	45.1	+ 8.5	80	2	3.49	+ 0.04	8	11	7	10
March	44.5	— 1.8	76	9	2.17	— 2.52	9	15	7	9
April	58.9	+ 2.9	94	21	1.31	— 2.72	6	16	8	6
May	66.5	+ 1.2	94	33	2.96	— 1.04	9	15	8	8
June	73.1	— 0.7	104	38	1.76	— 2.49	6	19	7	4
July	80.5	+ 3.7	114	45	1.25	— 2.89	5	21	7	3
August	76.5	+ 0.9	118	42	2.25	— 1.48	7	16	9	6
September	72.6	+ 2.2	101	38	2.46	— 0.37	8	13	9	8
October	55.8	— 2.4	94	16	1.33	— 1.44	6	16	7	8
November	47.1	+ 0.7	86	— 4	1.81	— 1.75	10	12	6	12
December	35.4	— 2.1	69	2	2.21	— 1.82	8	10	7	14
Annual means and extremes	57.6	+ 1.1	114	—20	27.86	—17.98	96	175	87	103

*Compared with 40 years' normal.

NOTE. Tables and charts giving climatic data for Kentucky in detail during 1930 have been published for each month at the Kentucky section center, Weather Bureau Office, Louisville, Ky., and can be obtained from the Official in charge at that office. Indexes to special articles published during past years in Kentucky climatological reports will be found in the Monthly Report for June, 1909.

W B C Louisville, 2-9-31. 1250.

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. HENDALL, Meteorologist.

VOL. XXXVI LOUISVILLE, KY., JANUARY, 1931 No. 1

GENERAL SUMMARY.

Except for moderately low temperature on the 1st and on a
w days about the middle of the month, comparatively mild
eather prevailed. In the last decade temperatures rose con-
derably above normal, but heavy frosts at night restrained the
ndencies to growth. The drought passed through its eleventh
nth. Precipitation averaged less than one-third of the nor-
al amount, making this month the third driest in the drought
riod. The light winter precipitation received up to this time
d moistened the first four to six inches of soil, but no water
consequence reached the subsoil. Good showers on the 5th,
gether with the melting of the light snow on the ground,
ve some water to collect in creeks and started a slight flow
places. These meager supplies served livestock in the hilly
stands. The catch in cisterns largely cared for domestic needs,
t these supplies remained low. In the south-central counties
rface wells continued to go dry, and deeper drillings became
cessary to obtain water. Near the end of the month Rich-
ond commenced importing water, and other bluegrass towns
re approaching the end of their resources or existing on short
ater rations. The moisture in the upper soil was sufficient for
ter grains, but there was no saturation and therefore no in-
ry of consequence from lifting freezes. Although plants were
ten undersized, their condition was generally good to excellent.
e dry weather so interfered with the handling of tobacco as
greatly restrict marketing activities. Dirt roads dried out
d became dusty in places. The equable weather was decidedly
vorable for agencies engaged in relieving distress. It reduced
quirements for fuel and stock feed, and furnished almost ideal
nditions for automobile and truck transportation of supplies.
tdoor work progressed with unusual rapidity. Many tobacco
ntbeds were prepared for later sowing. An exceptional
ount of plowing was accomplished, with the plow frequently
inging up dry soil. The accumulated affect of the drought
owed in increased privation, and in the greater efforts and
penditures necessary to meet the needs of the destitute element
the population.

TEMPERATURE.

Reports from 41 stations gave a state average of 37.7°, an
cess of 2.3°. Most of this excess was due to the abnormal
rmth of the last decade. Temperatures on the 1st, 14th,
d 15th departed from 10° to 20° from the normal. In a
mited area in the western counties they fell below zero on the
th, but such low minima were not recorded in other districts.
e extremes were 72° on the 30th and −9° on the 15th, both
Lovelaceville.

PRECIPITATION.

The average precipitation, obtained from the records of 83
tions was 1.23 inches which is 3.12 inches less than the
rmal and the lowest of record for this month. Light to
derate showers occurred in the periods 5-6th, 12th, and
-19th; also light, scattered precipitation in some sections on
e 8th and 26-27th. A snowstorm on the night of the 13th
ought 2.0 to 7.0 inches of snow to the southern half of the
ate. Snowfall was negligible in the northern counties. The
al precipitation for the month was 1.0 inch or less at most
tions near the Ohio River and in much of the central blue-

grass region. In other central and southern districts it ranged
[illegible]

PRESSURE AND WIND.

[illegible]

HUMIDITY AND SUNSHINE.

[illegible]

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature: Monthly average	Temperature: Departure from normal	Temperature: Highest	Temperature: Lowest	Precipitation: Monthly average	Precipitation: Departure from normal	Precipitation: No. of days with .01 or more fell.	Average Number of Days: Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
1890	38.0	+2.6	65	13	3.52	−0.83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1891	42.0	+6.6	77	10	6.43	+2.08	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1892	37.0	+1.6	68	14	5.29	+1.05	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1893	29.0	−6.4	65	− 6	2.72	−1.63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1894	26.0	−9.4	57	−22	2.08	−2.37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1895	38.0	+2.6	74	− 2	2.01	−1.44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1896	30.0	−5.4	58	−16	5.71	+2.30	11	6	8	15	[illegible]
1897	36.1	+0.7	74	− 3	1.25	−3.39	6	9	7	15	[illegible]
1898	32.0	−3.4	75	−16	3.25	−1.10	8	11	8	12	4.2
1899	46.4	+8.0	72	− 6	8.76	+4.41	12	6	8	15	1.4
1900	34.4	−1.0	68	−18	6.53	+1.88	11	9	8	14	8.5
1901	37.2	+1.8	77	− 8	2.80	−1.55	8	12	7	12	0.9
1902	36.7	+1.8	65	4	1.85	−2.50	7	12	7	12	0.8
1903	35.7	−1.7	70	5	5.14	+0.79	7	14	5	12	2.3
1904	34.8	−0.6	82	− 9	2.50	−1.85	9	11	6	14	2.8
1905	37.3	+2.1	78	− 9	3.17	−1.1	10	12	6	13	3.5
1906	27.5	−7.9	50	−15	2.87	−1.23	11	12	6	13	12.5
1907	30.7	−4.3	80	− 9	3.48	−0.57	8	11	6	14	3.1
1908	43.2	+7.3	83	−11	8.02	+3.97	14	7	6	18	4.8
1909	35.0	−0.4	62	− 7	2.20	−2.15	8	13	5	13	1.0
1910	38.3	+2.9	77	− 8	3.47	−0.84	9	6	6	20	6.7
1911	32.8	−1.6	70	−20	4.41	+0.08	12	9	6	17	11.0
1912	35.7	+1.3	73	−16	2.88	−1.47	11	7	4	20	4.4
1913	25.9	−9.5	61	−20	5.03	−1.26	8	13	4	14	11.7
1914	42.5	+7.1	76	13	11.41	+7.06	14	8	6	17	1.4
1915	30.4	−4.9	70	6	2.51	−2.01	9	9	7	15	1.6
1916	33.0	−2.4	65	− 5	5.03	+0.68	13	8	5	18	12.0
1917	41.2	+5.8	78	− 8	7.27	+2.92	13	9	6	16	9.7
1918	36.7	+1.3	74	−17	6.03	+2.03	12	8	8	15	12.0
1919	26.6	−8.8	62	−20	5.49	+0.74	14	9	7	15	28.3
1920	37.9	+2.5	68	− 1	3.47	−0.78	7	16	6	9	1.6
1921	33.4	−2.0	72	− 5	6.75	+2.50	10	15	6	10	0.7
1922	39.7	+4.3	71	12	3.05	−1.29	10	16	7	14	4.0
1923	34.5	−0.8	67	1	3.25	−2.10	8	12	8	11	1.1
1924	41.0	+5.6	68	11	6.41	+1.76	12	8	6	17	T
1925	31.5	−4.1	66	− 8	3.05	−0.50	9	15	5	11	1.2
1926	35.8	+0.4	66	− 5	2.66	−1.25	10	12	6	13	4.1
1927	34.5	−1.0	69	13	4.61	−0.34	12	15	5	11	7.1
1928	35.6	−0.2	76	− 3	8.31	+3.38	12	12	6	13	2.2
1929	29.1	−6.9	70	− 8	2.47	−1.88	7	14	7	10	1.9
1930	32.1	−3.9	70	− 5	1.23	−3.12	5	14	7	10	1.8
1931	46.5	+10.5	72	20	5.73	+1.38	13	11	5	15	3.8
1932	37.7	+1.7	72	− 9	1.23	−3.12	5	12	8	11	2.3

Climatological Data for January, 1931.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	27	38.8	+ 2.7	69	24	8	15	39	1.90	−2.37	0.90	.....	6	15	6	10	n.	Mrs. Lena F. Taylor.
Calhoun	Mclean	437	27	39.4	+ 2.7	69	30	11	15	36	1.10	−3.78	0.35	5.0	8	5	17	9	sw.	W. A. Taylor.
Carlington	Hopkins	429	41	38.6	+ 3.0	68	30	3	15	31	1.48	−3.19	0.61	4.0	10	16	5	10	nw.	Brick Southworth.
Earlington	Hopkins	356	2	.....	.....	.....	.....	.....	.....	.....	0.53	.....	0.27	2.5	4	.....	.....	.....	.....	W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	356	2	.....	.....	.....	.....	.....	.....	.....	1.56	−2.78	0.60	6.5	8	13	8	10	w.	C. B. Lovell.
Greenville	Muhlenburg	519	14	38.3	+ 2.7	69	30	0	15	41	1.63	−3.56	0.55	7.0	11	5	6	20	se.	W. E. Graves.
Hopkinsville	Christian	524	35	39.5	+ 2.0	69	24†	1	15	37	1.63	−3.56	0.62	5.0	6	13	6	12	s.	Blaine Malone.
Lovelaceville	Ballard	.....	2	38.5	.....	72	30	− 9	15	42	1.50	.....	0.62	5.0	6	15	7	9	e	B. C. Paris.
Marion	Crittenden	571	33	38.7	+ 2.9	68	24†	10	15	35	0.75	−3.88	0.35	3.0	3	15	7	9	e	Mrs. C. R. Sowell.
Mayfield	Graves	361	22	39.6	+ 3.6	70	30†	− 1	15	37	0.99	−3.64	0.39	2.5	4	17	2	12	sw.	Harry B. Arnold
Murray	Calloway	412	5	38.4	.....	71	30	− 2	15	45	1.01	.....	0.33	2.4	4	16	3	12	s.	Henry S. Berry.
Owensboro	Daviess.	479	31	36.6	+ 1.7	66	30	11	1	37	0.86	−3.23	0.30	T.	7	12	6	13	nw.	George McClemary.
Owensboro, Dam 46	Daviess.	401	3	.....	.....	.....	.....	.....	.....	.....	0.90	.....	0.31	1.7	8	.....	.....	.....	.....	.....
Owensboro, Dam 46	Daviess.	401	3	.....	.....	.....	.....	.....	.....	.....	1.25	−3.91	0.31	6.0	7	14	4	13	nw.	J. W. Lilley
Padueah near S	McCracken	316	14	37.4	+ 1.5	68	30	− 3	15	36	0.96	−3.80	0.40	5.0	5	.....	.....	.....	.....	Frank L. Brown.
Padueah	McCracken	311	42	.....	.....	.....	.....	.....	.....	.....	0.96	−3.80	0.40	5.0	8	17	4	10	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	24	38.1	+ 2.5	68	30	− 1	15	38	1.78	−2.47	1.00	7.0	8	17	4	10	s.	Thos. L. Wetzell.
Ramsey, Lock 2	McLean	381	14	.....	.....	.....	.....	.....	.....	.....	0.96	−2.65	0.28	1.8	8	.....	.....	.....	.....	Wm. Shelton.
Russellville	Logan	590	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Karl Holder.
Uniontown, Dam 49	Union	357	3	.....	.....	.....	.....	.....	.....	.....	0.40	.....	0.18	.....	5	.....	.....	.....	.....	.....
Central Division.																				
Adairsville, Dam 45	Breckinridge	352	3	.....	.....	.....	.....	.....	.....	.....	1.22	.....	0.45	.....	6	.....	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	700	30	*34.6	+ 1.8	64*	24†	5*	1	37*	0.37	−3.68	0.13	T.	6	16*	9*	14*	e.	C. E. Barret.
Bardstown	Nelson	637	34	38.0	+ 2.7	65	24†	10	1	35	1.55	−3.17	0.70	0.5	9	17	7	7	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	42	39.9	+ 2.9	68	30	16	2	38	2.11	−2.80	0.70	3.0	9	13	7	11	w.	Mrs. Lillie G Causey.
Bowling Green	Warren	465	6	.....	.....	.....	.....	.....	.....	.....	3.21	.....	0.77	5.0	7	.....	.....	.....	.....	T. Rone
Bowling Green, No. 2	Warren	410	14	.....	.....	.....	.....	.....	.....	.....	2.05	−3.65	0.68	1.2	6	.....	.....	.....	.....	Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	778	40	.....	.....	.....	.....	.....	.....	.....	1.52	−3.13	0.35	4.0	8	.....	.....	.....	.....	T. A. Lewis
Burnside	Pulaski	422	32	.....	.....	.....	.....	.....	.....	.....	1.03	−2.45	0.42	.....	4	.....	.....	.....	.....	Shelby Angel.
Carrollton, Lock 1	Carroll	489	5	.....	.....	.....	.....	.....	.....	.....	0.99	−3.32	0.52	T.	6	.....	.....	.....	.....	Reuben Hartley.
Cold Spring, Dam 3a	Campbell	759	7	38.1	.....	64	26	14	1	38	0.81	.....	0.30	0.5	5	12	4	15	w.	C. W. Williams.
Dix Dam, Bergin	Mercer	1177	37	36.8	+ 1.8	68	25	5	15	37	0.99	−3.48	0.27	3.0	4	8	5	18	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	37	36.8	+ 1.7	64	25	10	2	35	1.16	−2.88	0.51	T.	5	9	6	16	w.	Sidney Wood.
Frankfort	Franklin	560	39	37.7	+ 1.7	64	25	10	2	35	1.03	−3.43	0.40	5.0	5	19	9	3	s.	M. E. Johnson.
Franklin	Simpson	691	36	40.2	+ 1.6	70	30	15	15	38	1.01	−3.10	0.30	0.2	6	.....	.....	.....	.....	Louis Shaddell.
Frankfort	Henry	449	20	.....	.....	.....	.....	.....	.....	.....	0.76	.....	0.42	.....	5	.....	.....	.....	.....	H. W. Sprague.
Gest, Lock 3	Boone	780	6	.....	.....	.....	.....	.....	.....	.....	1.71	−3.09	0.54	4.5	9	7	0	24	se.	Mrs. Bettie K. H. Alcorn
Grant, Dam 38	Boone	581	33	38.0	+ 3.3	66	30	7	15	41	0.69	−3.70	0.22	T.	9	.....	.....	.....	.....	Miss Ruby L. Stapson.
Greensburg	Green	559	29	.....	.....	.....	.....	.....	.....	.....	1.27	−3.06	0.88	T.	7	12	4	15	sw.	W. J. Piggott.
High Bridge, Lock 7	Jessamine	646	33	38.4	+ 2.8	65	25†	13	1	32	1.21	−3.78	0.36	1.0	6	9	14	8	sw.	Caroline Grubbs.
Irvington	Breckinridge	985	37	37.8	+ 2.3	65	24†	8	15	42	0.67	.....	0.24	.....	5	.....	.....	.....	.....	..... Anderson.
Junction City	Boyle	1032	5	.....	.....	.....	.....	.....	.....	.....	1.69	+2.96	0.70	3.0	9	14	6	11	sw.	H. H. Willis.
Lancaster	Garrard	945	55	38.2	+ 3.2	64	24	14	1	29	0.77	−3.41	0.30	T.	6	10	6	15	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	47	35.6	+ 2.7	60	24	12	1	28	0.90	−3.88	0.28	1.0	4	.....	.....	.....	.....	Horace Canter.
Lexington-Hickman, Lock 8	Jessamine	521	29	.....	.....	.....	.....	.....	.....	.....	1.15	3.09	0.50	T.	7	.....	.....	.....	.....	Frank Litch.
Lockport, Lock 2	Henry	476	24	.....	.....	.....	.....	.....	.....	.....	0.96	−3.04	0.65	0.2	7	10	5	16	sw.	U. S. Weather Bureau.
Louisville	Jefferson	525	58	37.6	+ 3.2	61	25	15	1	28	1.59	.....	0.55	2.1	6	.....	.....	.....	.....	A. G. Hubbard.
Maunfordville	Hart	690	8	.....	.....	.....	.....	.....	.....	.....	1.45	−3.15	0.95	T.	5	20	4	7	.....	Sisters of Loretto.
St. Joseph	Hardin	777	35	35.4	+ 1.6	65	26†	12	1	41	1.40	−3.57	0.45	T.	4	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 5	Mercer	490	17	.....	.....	.....	.....	.....	.....	.....	0.84	−2.91	0.46	0.5	4	18	3	13	w.	C. L. McDonald.
Scott	Kenton	500	33	*44.2	+ 1.9	60*	24	8*	1	25*	0.57	−3.69	0.23	T.	6	13	1	17	sw.	Miss Ruth Ralta.
Shelbyville	Shelby	825	42	36.2	+ 2.8	65	25	7	1	31	1.53	−2.93	0.88	T.	6	10	3	18	w.	E. D. Bourne.
Taylorsville	Spencer	480	29	*38.0	+ 3.8	64	25	10*	2	35*	1.29	−3.46	0.62	0.2	5	.....	.....	.....	.....	H. K. Vanahn.
Tyson, Lock 5	Anderson	526	13	.....	.....	.....	.....	.....	.....	.....	1.02	−2.61	0.55	.....	8	12	13	6	w.	Miss Nettie B. Simpson.
Williamstown	Grant	948	28	31.6	+ 2.5	63	25	7	1	32	1.72	−3.36	0.45	6.4	7	.....	.....	.....	.....	H. J. Lewis.
Woodbury, Lock 4	Butler	533	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ashland	Boyd	534	14	38.4	+ 3.2	66	26	14	3	36	1.14	.....	0.72	3.0	6	13	10	8	sw.	W. A. Worthington.
Augusta	Bracken	686	27	37.0	+ 2.3	66	25	7	2†	47	0.94	−3.44	0.30	.....	7	10	8	13	w.	Jacob Armbruster.
Beattyville	Lee	1070	26	38.5	+ 2.1	65	25	13	1	34	1.43	−3.31	0.66	4.4	9	6	3	23	nw.	Robert S. Smallwood.
Boyd	Madison	601	24	.....	.....	.....	.....	.....	.....	.....	0.99	−3.75	0.34	1.5	6	12	6	13	w.	Chas. C. Graham.
College Hill Lock 11	Madison	601	24	.....	.....	.....	.....	.....	.....	.....	1.06	−2.70	0.32	1.0	6	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	664	13	.....	.....	.....	.....	.....	.....	.....	1.16	−2.93	0.52	T.	5	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	630	42	.....	.....	.....	.....	.....	.....	.....	1.17	−2.51	0.50	.....	5	.....	.....	.....	.....	J. V. Oldham
Greenup	Boyd	558	23	*37.4	+ 2.6	66*	25	7*	2	45*	1.72	−2.47	0.81	.....	5	12*	6*	18*	e.	Mrs. R. E. Stamper.
Morehead	Rowan	841	6	.....	.....	.....	.....	.....	.....	.....	1.11	.....	0.35	.....	5	.....	.....	.....	.....	C. A. Glascock
Pleasureville	Henry	661	6	.....	.....	.....	.....	.....	.....	.....	0.66	−3.82	0.25	0.6	3	.....	.....	.....	.....	John A. Walters.
Point Lock 10	Clark	593	15	.....	.....	.....	.....	.....	.....	.....	1.07	.....	0.62	.....	3	.....	.....	.....	.....	Col. Frank Powers.
Grayson	Carter	589	6	.....	.....	.....	.....	.....	.....	.....	0.97	−2.75	0.41	.....	6	.....	.....	.....	.....	T. Mitchell.
Greenup, Dam 30	Greenup	540	13	.....	.....	.....	.....	.....	.....	.....	1.67	.....	0.81	7.0	8	16	2	13	sw.	W. W. Dalfield.
Harlan	Harlan	1197	2	36.5	.....	66	27	10	2	42	1.61	.....	0.35	1.0	7	.....	.....	.....	.....	Chas. O. Burig.
Hazard	Perry	869	7	.....	.....	.....	.....	.....	.....	.....	1.51	−3.30	0.67	.....	7	.....	.....	.....	.....	S. C. Cole.
Heidelberg Lock 14	Lee	661	14	.....	.....	.....	.....	.....	.....	.....	1.42	.....	0.41	.....	8	.....	.....	.....	.....	R. R Davidson.
Jackson	Breathitt	1566	6	.....	.....	.....	.....	.....	.....	.....	0.97	−2.74	0.27	.....	5	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	581	27	.....	.....	.....	.....	.....	.....	.....	1.31	−2.68	0.65	0.8	5	.....	.....	.....	.....	Jeanett H. White.
Morehead	Rowan	.....	11	.....	.....	.....	.....	.....	.....	.....	0.78	−3.21	0.28	.....	6	11	3	17	sw.	Perry E. Bennett
Mayo, near	Pike	597	34	36.7	+ 3.5	65	25	10	2	36	1.41	−3.34	0.65	3.0	4	11	15	3	.....	Matthew Woodson
Middlesboro	Bell	1125	35	*36.5	+ 2.7	62*	24	6*	16	38*	1.27	−3.42	0.76	.....	3	13	4	14	nw.	W. R. McKee.
Mount Sterling	Montgomery	952	11	35.3	+ 1.8	64	24†	9	1	37	1.20	−2.92	0.68	T.	6	.....	.....	.....	.....	Otto Riddle.
Owingsville	Bath	797	9	.....	.....	.....	.....	.....	.....	.....	1.18	−2.95	0.59	T.	6	.....	.....	.....	.....	Robert Repass
Paris	Bourbon	750	45	.....	.....	.....	.....	.....	.....	.....	1.18	.....	0.42	1.0	7	.....	.....	.....	.....	F. C. Hall.
Pikeville	Pike	649	6	.....	.....	.....	.....	.....	.....	.....	1.15	.....	0.56	.....	4	.....	.....	.....	.....	R. W. Jones.
Rockcastle	Rockcastle	702	5	38.0	.....	66	30	8	2	49	1.69	−2.27	0.70	.....	5	.....	.....	.....	.....	Walter P. Bush.
Rowland	Lincoln	651	12	.....	.....	.....	.....	.....	.....	.....	1.15	−3.36	0.30	3.0	6	12	0	19	.....	J. W. Crooke.
Rowland Lock 12	Lincoln	606	4	38.4	+ 4.2	68	24†	12	2†	30	1.40	−3.60	0.45	2.0	8	.....	.....	.....	.....	Thos. Sullivan.
Somerset	Pulaski	911	1*	.....	.....	.....	.....	.....	.....	.....	1.29	−2.81	0.55	.....	6	.....	.....	.....	.....	R. M. Faulin.
Spurlington, Dam 37	Lincoln	750	1*	.....	.....	.....	.....	.....	.....	.....	1.47	.....	0.58	2.0	7	.....	.....	.....	.....	G. H. Zimmerman.
Stanford	Lincoln	1142	9	.....	.....	.....	.....	.....	.....	.....	1.87	−3.72	0.57	16.0	7	20	2	9	.....	H. E. Davis.
Valley Mound	Woodbury	607	31	42.2	+ 4.0	72	26	14	2	45*	1.23	−2.71	0.70	2.0	5	.....	.....	.....	.....	Jessie Hicks.
Wayne Lock 13	Lee	611	12	.....	.....	.....	.....	.....	.....	.....	1.23	−3.12	1.10	2.3	6	13	5	13	sw.	
[illegible]	[illegible]	[illegible]	[illegible]	37.7	+ 2.8	72	26†	− 9	15	49	[illegible]									

All temperatures in the table are taken from self-registering thermometers.

Dashes indicate record normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

†Repeated. ‡Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

*Record for less than the month. Figures in the table indicate number of days missing; for example, 5 represents two days, etc.

Dashes in precipitation columns indicate no precipitation. T. Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

Dashes in other columns indicate no record received for periods not included in means and summaries. T. Precipitation is less than 0.01 inch rain or melted snow

*Also on other dates. †Received too late to be included in means and summaries. ‡Lock 10, Red House, Ky.; Scott, Independence, Ky.

*Part of record missing. §Lock 5, Low Precedence, Ky.; Lock 6, Vanceburg, Ky.; Lock 8, Nicholasville, Ky.; Lock 9, Jessamine, Ky.

MISCELLANEOUS.

Rainfall.—No rain fell on the upper reaches of the streams, therefore the Ohio and its tributaries remained practically unchanged. Light ice formed in the Ohio on a few occasions.

Errata for December, 1930.

Calhoun, precipitation on 23d T.
Frankfort, precipitation on 28th T.
Hopkinsville, precipitation on 29th T.
Paducah, near, precipitation on 23rd .02; total 2.01.

Daily Precipitation for January, 1951.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G					.90			*			*	*		*																	
Calhoun ..... G					.55	.04		.10			.14	.17		.10		T	T	.08	.17									T	1		
Carrollton ..... G					.61	.06		.03			.05	.30		.26				.02	.01	.08	.18								.02		
Ford's Ferry, Dam 50 ..... O					T.	T.		.08				.25		.12			T	T	T												
Greenville ..... G					.60	.06		.08			.03	.21		.41			.02		.11									T			
Hopkinsville C					.47	.01		.11			.01	.31		.55			.02	.16	.03												
Lowdenville ..... M					.21			.20				.28		.62					.04									.15	T		
Marion ..... O					T.						.35	.30																			
Mayfield ..... M							.05					.35		.26				.10													
Murray ..... T					.23			.33			T.		T.	.24			T	T													
Owensboro ..... O					.18			.05			.30	.16		T			.01	.08	.01									T	.21		
Owensboro, Dam 46 ‡ ..... O					.01	.31		.03				.25		T			.13	.4													
Paducah (near) ¶ ..... O					.20			.22			.20	.12		.31			.05														
Paducah ..... O					T.	.64		.10				.27		.40					1									T	.17		
Princeton ..... G				T.	.20	.01		.18	T.		.28		T	1.00			.01	.65										.4			
Roosevelt ..... G					.17	.16		.10				.28		.06				.06	.17										.6			
Tuscumbia, Dam 49 ..... O																																
						.15		.01				.18		.02			T	T.	T.										.10			
Central Division																																
Addison, Dam 45. ‡ ..... O					.27	.45		T.				.26					.04		.19									.01			
Anchorage ..... O						T.					.11	.15					.02	.01	.07	T.											
Bardstown ..... S					.70	.10		.04			.20	.14		.06			.10	.08	.15									.03			
Bowling Green ..... G					.70	.80		.28			.04	.31						.10	.05												
Bowling Green, No. 2 ‡ ¶ ..... G					.77	.77	.15	.81				.67		.82					.25												
Brooksville, Lock No. 6 ‡ ..... G					.61	.52		.61				.68		.01					.22												
Burnside ..... O				T	.20	.14	.04	.34				.22		.3					.15									.04			
Carrollton (Lock No. 1) ..... K					.42	.36						.25							.04												
Cold Spring, Dam 36 ‡ ..... O					.06	.52									T			.01	.16	.02											
Dix Dam, Burgin ¶ ..... K					.30						.28		.01				.05	.15													
Elmatok C						.23						.25		.2					.2												
Frankfort ‡ ¶ ..... K					.15	.51		T.	T.			.27					T.	T	.21	T	T							.02			
Franklin ..... G								.15				.35		.3				.18	.05												
Gest, Lock No. 3 ‡ ..... K					.20	.30						.22						.01	.16		T							.05			
Grant, Dam 33 ‡ ..... O					.01	.42						.19						.03	.16	.01											
Greensburg ..... G					.54	.12	.04	.08				.38		.20			.01	.12	.19									T.			
Green Bridge, Lock No. 7 ‡ ..... K					.17	.18	.02	.02				.03		.04			.4	.05	.22												
Irvington ..... O					.80	.42	T.					.17		T			.01	.02	.10	T.								T.			
Junction City ..... K					.3	.12	T	T			T	.26		.12			T.	.12	.18	T.											
Lancaster ‡ ..... K					.11	.14						.24						.12													
Lanesville ..... G					.70	.20		.07			.07	.32		.36			.15	.07	.15									T.			
Lexington *** ..... K					.16	T.	T.	T.			.19	.13	T.	T.		T	.04	.14	.04	T.							T.	T.			
Little Hickman, Lock No. 8 ‡ ¶ ..... K					.29	.05						.28		.04				.08	.12												
Lockport, Lock No. 2 ‡ ..... K				.35	.20						.20							.10	T												
Louisville *** ..... O					.05			.02			.19	.01	T	T		T	.01	.07	T	T.								.01	T.		
Lunsford ville ‡ ..... G					.18	.55		.04				.38		.16					.28												
Mt. Sterling ..... K			T.	T.	.9						T.	.30		.05			T		.12									.03			
Nilwaukee, Lock No. 6 ‡ ¶ ..... K					.25	.42		T.				.45		T			T	T.	.28									T			
Norfolk L					.45							.2		T					.12	.6											
Shelbyville ..... S						.06	T.				.04	.2					T	.09	.18	T.								.02	T.		
Taylorsville ..... K					.88	.08		T.			T.	.32					T.	.09	.17									T.	.03		
Towne, Lock No. 5 ‡ ..... K					.62			.02			.30							.28	T										.04		
Williamstown L					.55	.05						.07						.02	.11	.02								.01	.02		
Woodbury, Lock No. 4 ‡ ..... G					.45	.32		.10				.5		.4				.03	.10										T.		
Eastern Division																																
Annville C					.15	.72						.22		.1				.01	.19												
Ashland ‡ ..... O					.21	.29	.02					.3							.08	.01								.03			
Berea ..... K					.12	.6	.02	T				.25	T	.20	.02	T	T	.02	.12									.04			
College Hill, Lock No. 11 ‡ ¶ ..... K					.24	.01						.24		.11				.07	.20												
Cynthiana ‡ L					.18	.20		T				.34		.07	T		T	.10	.21									T.			
Falmouth ‡ L					.12	.62	T.					.2			T				.20		T.							.02			
Farmers ‡ L					.23	.50						.22						T.	.19	T.	T.						T.	.03			
Georgetown ‡ L					.15	.81						.33							.30									.04			
Grid, Lock No. 10 ¶ ..... K					.09	.06	T.	T.	T.			.27							.20									.12			
Grayson ‡ ..... O					.02	.22						.25					T.		.18	T.	T.						T.				
Greenup, Dam 30 ‡ ..... O					.01	.41						.23																			
Harlan ‡ ..... O												.38						.02	.11	.01							T.				
Hazard ‡ ..... K					.42	.30	.10	.28				.31		.15					.08									.05			
Hillsboro, Lock No. 14 ‡ ¶ ..... K					.35	.18	.05	T.				.1		.06	T			T	.08									.12			
Jenkins ‡ ..... E					.15	.67						.22		.2	.02			.02	.16									.07			
Louisa ‡ ..... B		.42			.44	.18					.09	.02	.15	.02					.16												
Manchester ‡ ..... K					.27	.23						.27							.4									.10			
Maysville ..... K					.14	.65						.20		.05					.18												
Middlesboro C					.06	.28						.27			T.		T	.01	.15		T.						.02			
Mount Sterling ‡ L					.30	.68								.30			.16														
Nebo ‡ ..... O					.76						.40							.11													
Newport, Dam 35 ‡ ..... O					.07	.68						.27	T	T			T	.14	T	.01							.03			
Owenton ‡ ..... B					.32	.59	.22					.08	.07	T.	T.			.12	T.								T.				
Pineknot ‡ ..... K					.20	.42						.22		.10				.06	.06								.04				
Pomona, Lock No. 12 ‡ ¶ ..... K					.17	.70	T.					.8						T	.14								T.				
Ravenna ‡ ..... K					.15	.10					.30			.30				.05	.25												
Salyersville ‡ ..... K					.10	.02		.06			.40		20				.15	.45									.01				
Somerset ‡ ..... O					.02	.55						.30						.01	.27								.04				
Williamsburg ‡ ¶ ..... K						.40					.07			.22				.07	.10								.03				
Willow Lock No. 13 ‡ ..... K					.11	.57	.20	.30				.26		.20					.47								.02				
					.03			.70				.26		.20				.10													

*Accept as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ ¶ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Daily Temperatures for January, 1931.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	40	50	57	51	50	40	34	45	38	38	45	46	40	35	35	38	44	46	41	40	39	35	61	69	68	59	61	58	54	68	64	48.2
	Minimum	14	18	30	38	39	28	30	23	29	25	32	34	24	26	8	19	33	23	24	26	26	22	25	33	38	39	41	27	33	29	30	28.4
Calhoun	Maximum	36	48	55	54	51	36	34	42	46	46	48	44	38	34	31	38	41	39	36	34	30	21	25	30	41	46	42	40	31	37	35	36	39.7
	Minimum	15	22	34	40	36	28	32	27	27	27	33	35	26	26	11	23	36	34	34	30	21	25	30	41	46	42	40	31	37	35	36	30	31.1
Earlington	Maximum	40	46	54	53	49	36	35	37	39	39	46	45	44	36	36	38	43	44	41	41	33	34	60	67	69	58	59	56	53	69	66	48	50.0
	Minimum	16	21	36	38	35	29	32	31	29	25	36	34	24	17	3	26	36	34	35	28	24	23	29	28	43	42	40	30	38	39	39	34	31.1
Greenville	Maximum	40	46	54	51	49	36	35	42	46	46	48	46	39	35	36	38	43	45	44	37	36	32	61	66	66	60	60	58	54	69	64	48.5
	Minimum	14	19	32	35	35	27	30	28	25	24	38	32	23	17	0	14	34	32	33	26	20	21	25	33	38	42	41	40	28	39	38	31	28.1
Hopkinsville	Maximum	39	49	58	53	49	35	39	45	49	50	56	55	48	37	15	33	39	42	44	44	39	40	51	65	68	68	62	60	58	69	67	49	52.1
	Minimum	17	19	30	38	36	29	32	31	30	29	36	35	28	17	1	15	33	30	34	29	22	24	31	36	37	42	47	33	34	32	34	29	29.8
Lovelaceville	Maximum	44	47	55	54	46	35	39	38	48	55	44	44	42	35	33	36	42	45	46	44	41	37	54	65	68	68	62	58	56	71	68	50	53.9
	Minimum	15	16	32	34	34	30	29	31	30	28	32	30	25	13	9	15	30	31	34	25	22	21	21	34	38	42	45	32	32	32	32	30	28.1
Marion	Maximum	40	47	53	52	49	30	37	39	46	47	46	44	37	32	30	37	41	44	45	48	41	37	62	66	67	67	62	59	58	70	67	48	50.1
	Minimum	12	23	33	41	33	22	30	29	27	27	32	30	24	13	10	26	33	32	32	27	26	23	29	36	41	47	44	39	40	42	41	32	29.2
Mayfield	Maximum	43	47	56	54	50	46	39	38	39	39	34	36	33	14	−1	19	34	34	34	32	28	28	37	52	55	47	44	39	40	56	52	46	46.0
	Minimum	17	23	31	37	33	29	29	31	29	29	34	30	23	14	−1	15	34	31	32	28	23	21	28	34	37	41	40	37	36	38	36	33	29.9
Murray	Maximum	40	48	58	55	52	35	40	40	48	51	47	46	39	35	36	42	46	48	46	44	41	41	58	64	68	68	64	60	57	71	68	50	53.8
	Minimum	17	19	30	38	36	29	32	31	30	29	36	35	28	17	1	15	33	30	34	29	22	24	31	36	37	42	47	33	34	32	34	29	29.8
Owensboro	Maximum	44	47	55	54	46	35	39	38	48	55	44	44	42	35	33	36	42	45	46	44	41	37	54	65	68	68	62	58	56	71	68	50	53.9
	Minimum	15	16	32	34	34	30	29	31	30	28	32	30	25	13	9	15	30	31	34	25	22	21	21	34	38	42	45	32	32	32	32	30	28.1
Paducah (near)	Maximum	40	47	53	52	49	30	37	39	46	47	46	44	37	32	30	37	41	44	45	48	41	37	62	66	67	67	62	59	58	70	67	48	50.1
	Minimum	12	23	33	41	33	22	30	29	27	27	32	30	24	13	10	26	33	32	32	27	26	23	29	36	41	47	44	39	40	42	41	32	29.2
Princeton	Maximum	43	47	56	54	50	46	39	38	39	39	34	36	33	14	−1	19	34	34	34	32	28	28	37	52	55	47	44	39	40	56	52	46	46.0
	Minimum	17	23	31	37	33	29	29	31	29	29	34	30	23	14	−1	15	34	31	32	28	23	21	28	34	37	41	40	37	36	38	36	33	29.9
Russellville§	Maximum	40	48	58	55	52	35	40	40	48	51	47	46	39	35	36	42	46	48	46	44	41	41	58	64	68	68	64	60	57	71	68	50	53.8
	Minimum	17	19	30	38	36	29	32	31	30	29	36	35	28	17	1	15	33	30	34	29	22	24	31	36	37	42	47	33	34	32	34	29	29.8
Central Division.																																	
Anchorage	Maximum	32	48	46	46	42	42	32	47	36	44	43	41	34	27	36	39	39	48	45	34	36	48	54	64	..	54	54	47	45	62	47	44.1
	Minimum	6	11	26	34	37	31	29	27	20	19	28	24	23	8	19	33	23	24	26	26	22	25	33	38	39	41	27	33	29	30	28	28	25.0
Bardstown	Maximum	39	50	51	52	48	41	34	45	41	46	45	42	40	38	35	39	45	50	45	44	37	36	58	68	70	42	41	40	37	52	51	47	47.8
	Minimum	10	14	31	37	41	41	30	31	26	23	31	32	25	20	12	26	30	34	34	30	21	21	30	35	54	61	37	35	33	41	39	28	28.6
Bowling Green	Maximum	39	48	55	53	48	40	33	42	37	48	46	44	41	36	33	38	44	46	46	46	39	39	54	64	67	65	63	61	60	67	65	48	48.3
	Minimum	15	16	32	36	40	28	30	31	30	28	35	35	26	28	18	34	35	38	37	33	28	26	51	57	58	57	54	53	49	68	58	45	37.2
Dix Dam	Maximum	35	48	58	52	47	44	36	46	37	44	46	44	37	33	34	42	47	50	46	44	38	34	51	57	58	57	54	53	49	68	58	45	46.0
	Minimum	14	18	28	32	42	33	31	32	30	25	29	34	28	22	17	21	35	37	34	29	21	18	24	29	34	39	40	31	29	38	36	32	29.0
Eubank	Maximum	37	58	59	57	50	33	41	47	40	42	46	43	35	30	33	45	45	48	52	47	37	29	53	60	66	66	55	60	58	66	57	47	47.7
	Minimum	13	9	32	35	41	29	27	24	23	26	27	33	25	20	5	10	20	25	30	25	17	15	23	29	34	39	40	30	28	33	30	21	25.9
Elkhorn	Maximum	33	48	48	51	49	45	37	43	42	42	45	44	39	34	32	41	43	49	47	46	39	37	58	67	68	68	63	61	58	68	66	48	48.6
	Minimum	12	10	32	36	37	35	31	32	25	23	29	30	24	16	8	14	33	30	32	27	22	19	21	29	36	42	43	41	31	37	36	30	28.6
Frankfort	Maximum	36	48	48	51	49	45	37	43	42	42	45	44	39	34	32	41	43	49	47	46	39	37	58	67	68	68	63	61	58	68	66	48	48.6
	Minimum	12	10	32	36	37	35	31	32	25	23	29	30	24	16	8	14	33	30	32	27	22	19	21	29	36	42	43	41	31	37	36	30	28.6
Franklin	Maximum	38	50	53	52	48	38	35	37	40	58	45	45	41	36	36	41	47	45	43	39	40	36	65	67	69	66	63	62	58	72	68	50	50.6
	Minimum	17	20	34	37	37	28	30	32	31	29	38	36	22	18	12	21	34	26	24	30	24	24	30	36	41	42	43	42	39	43	42	32	32.6
Greensburg	Maximum	38	54	53	55	53	46	36	44	43	42	45	48	46	38	34	42	48	46	46	46	38	37	58	66	68	68	65	63	60	75	65	57	50	66	62	66	62	48.9
	Minimum	14	19	27	30	41	29	29	31	30	25	28	31	28	22	7	12	28	26	33	28	23	20	24	26	34	33	49	56	64	63	56	58	51	50	65	57	46.0
Lexington	Maximum	35	42	49	53	48	36	35	41	43	37	45	46	38	36	32	34	37	44	49	44	34	33	49	56	64	63	56	58	54	61	56	57	43	41	57	57	48	46	46.3
	Minimum	13	22	34	40	36	29	30	31	29	25	35	34	23	24	18	27	34	33	28	31	27	19	21	29	36	42	43	41	31	37	36	33	28	30	37	38	25	30.7
Lexington	Maximum	37	52	52	51	45	42	35	42	43	46	47	46	41	33	32	44	47	51	46	43	33	34	53	60	68	68	63	62	58	67	65	57	45	42	59	58	50	48.0
	Minimum	16	16	27	30	32	30	29	31	28	25	25	33	26	16	8	14	33	34	32	32	28	23	29	36	42	43	41	40	30	38	36	32	26	30	38	38	28	29.0
Junction City	Maximum	36	46	47	50	48	39	39	38	38	35	37	40	36	34	33	38	42	46	46	46	38	36	58	66	68	68	63	61	58	68	66	48	48.6
	Minimum	12	10	27	30	32	30	29	31	25	23	25	25	23	16	8	14	33	34	32	32	27	19	21	29	36	42	43	41	31	37	36	30	28	30	37	38	25	30.7
Lancaster	Maximum	38	48	53	52	49	36	34	42	36	46	46	43	42	36	32	34	37	44	46	44	35	35	51	58	64	62	58	54	52	64	62	50	46	43	57	57	47	46.0
	Minimum	14	21	33	39	37	25	29	33	29	31	37	29	26	22	15	20	35	24	33	26	20	23	30	37	44	42	41	39	34	34	33	30	27	29	41	41	30	31.9
Lebanon	Maximum	37	45	46	46	47	40	33	38	37	39	42	42	37	33	29	36	42	48	44	41	31	27	45	56	60	58	51	50	48	61	55	49	42	40	51	52	43	43.1
	Minimum	12	20	34	41	31	26	28	28	25	27	34	27	24	16	17	23	32	35	28	26	17	22	37	39	42	43	41	40	31	37	36	33	28	30	37	38	25	30.7
Lebanon	Maximum	36	46	50	52	45	38	36	44	43	41	44	43	41	33	28	31	38	43	47	42	33	34	47	57	61	59	54	52	49	63	58	52	46	44	54	55	46	46.3
	Minimum	13	22	34	40	36	29	30	31	29	25	35	34	23	24	18	27	34	33	28	31	27	19	21	29	36	42	43	41	31	37	36	33	28	30	37	38	25	30.7
Louisville	Maximum	39	52	52	51	45	42	35	42	43	46	47	46	41	33	32	44	47	51	46	43	33	34	53	60	68	68	63	62	58	67	65	57	45	42	59	58	50	48.0
	Minimum	16	16	27	30	32	30	29	31	28	25	25	33	26	16	8	14	33	34	32	32	28	23	29	36	42	43	41	40	30	38	36	32	26	30	38	38	28	29.0
Louisville	Maximum	38	48	53	52	49	36	34	42	36	46	46	43	42	36	32	34	37	44	46	44	35	35	51	58	64	62	58	54	52	64	62	50	46	43	57	57	47	46.0
	Minimum	14	21	33	39	37	25	29	33	29	31	37	29	26	22	15	20	35	24	33	26	20	23	30	37	44	42	41	39	34	34	33	30	27	29	41	41	30	31.9
Louisville	Maximum	37	45	46	46	47	40	33	38	37	39	42	42	37	33	29	36	42	48	44	41	31	27	45	56	60	58	51	50	48	61	55	49	42	40	51	52	43	43.1
	Minimum	12	20	34	41	31	26	28	28	25	27	34	27	24	16	17	23	32	35	28	26	17	22	37	39	42	43	41	40	31	37	36	33	28	30	37	38	25	30.7
Louisville	Maximum	36	46	50	52	45	38	36	44	43	41	44	43	41	33	28	31	38	43	47	42	33	34	47	57	61	59	54	52	49	63	58	52	46	44	54	55	46	46.3
	Minimum	13	22	34	40	36	29	30	31	29	25	35	34	23	24	18	27	34	33	28	31	27	19	21	29	36	42	43	41	31	37	36	33	28	30	37	38	25	30.7
Louisville	Maximum	39	52	52	51	45	42	35	42	43	46	47	46	41	33	32	44	47	51	46	43	33	34	53	60	68	68	63	62	58	67	65	57	45	42	59	58	50	48.0
	Minimum	16	16	27	30	32	30	29	31	28	25	25	33	26	16	8	14	33	34	32	32	28	23	29	36	42	43	41	40	30	38	36	32	26	30	38	38	28	29.0
Louisville	Maximum	38	48	53	52	49	36	34	42	36	46	46	43	42	36	32	34	37	44	46	44	35	35	51	58	64	62	58	54	52	64	62	50	46	43	57	57	47	46.0
	Minimum	14	21	33	39	37	25	29	33	29	31	37	29	26	22	15	20	35	24	33	26	20	23	30	37	44	42	41	39	34	34	33	30	27	29	41	41	30	31.9

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
VOL. XXXVI LOUISVILLE, KY., FEBRUARY, 1931 No. 2

GENERAL SUMMARY.

Except on a few days, the weather was unseasonably mild. Tendencies to growth were restrained by frequent frosty nights and several well distributed and comparatively hard freezes. Temperatures were decidedly favorable for outdoor work, for stock on pastures, and for the advancement of spring plowing. Grass on warm slopes and limestone upland made some growth at times and furnished limited pasturage. On account of the limited dryness of soil this source of feed was available without serious damage to the turf. Some shrubs budded and occasional perennials sent up stalks, but fruit buds remained dormant. Toward the end of the month, tobacco plantbeds were sown, quite generally. This work was practically finished in the southern counties and reached an advanced stage in northern districts. Spring plowing was pushed far ahead of its usual stage at this early period. There was considerable activity in early gardening, some oats were sown, and considerable other spring seeding took place. Winter grains made some growth and remained in good to excellent condition. Because of the unsaturated condition of the soil, the rather frequent night freezes caused no appreciable damage to wheat. Not in many years have farm activities been so far advanced as at the end of this month.

Precipitation averaged slightly below normal. It occurred as light to moderate showers on ground completely thawed. As a result most of it entered the soil and run-off was sufficient merely to start the small streams. By the end of the month the soil was reported moist to a depth of six to twelve inches. In the northern counties small streams were barely running, but there was sufficient water available for livestock in most districts. The rains of the 8th and 13th so relieved the water shortage as to greatly reduce hauling and temporarily meet the needs of upland towns. The weather favored spring lamb, milk, and egg production. Its general mildness was also a highly favorable factor in connection with prevailing destitution and measures in use for its relief.

TEMPERATURE.

The State average temperature, based on reports from 16 stations, was 41.6°, an excess of 5.0°. Temperatures five to 20° above normal predominated through long periods, interrupted occasionally by a day or two of relatively cold weather. No low temperatures usual in this month were reported from any district. The extremes were 76° at Mayfield on the 8th and 12° at Beattyville on the 15th.

PRECIPITATION.

Reports from 82 stations gave a State average of 3.20 inches, a deficiency of 0.25 inch. This is the nearest approach to normal precipitation since February, 1930. Light to moderate rain occurred generally in the periods 6-11th, 12-14th, and 16-19th. The rains were fairly heavy throughout the State on the 8-9th and 13-14th. Nearly flurries of snow occurred in most of the State. At a few northern stations amounts ranged between 0.5 and 1.0 inch, and a limited area in the upper Kentucky basin received from 1.0 to 3.0 inches. Precipitation was quite irregularly distributed for a winter month. As a rule it decreased toward the eastern and northern boundaries. Areas limited to a few counties in the Purchase, the Green River Valley, and the southern bluegrass region received from 4.0 to 5.0 inches. In other central and western districts amounts ranged from 2.5 to 4 inches. In the eastern mountain counties and 2.0 inches. No thunderstorms were reported.

PRESSURE AND WIND.

Stations.	Pressure (Reduced to sea level). Average.	Highest.	Date.	Lowest.	Date.	Wind. Prevailing direction.	Wind. Average hourly velocity.	Wind. Highest velocity.	Wind. Date.	Wind. Direction.	Wind. Date.
Cairo	30.16	30.43	14	29.86	12			28	ne.	24
Cincinnati	30.11	30.47	14	29.78	12					
Evansville	30.11	30.40	14	29.85	12					
Lexington	30.09	30.43	14	29.74	12			35	w.	12
Louisville	30.11	30.40	14	29.80	12			24	ne.	14

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Rel. Humidity. Noon.	Rel. Humidity. 7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Sunshine. Average per cloudless day.	Sunshine. Average per cloudy day.
Cairo	85	59	61	185.1	302.5	61	13	8
Cincinnati	88	64	69	141.6	300.9	47	10	4
Evansville	78	54	62	160.6				
Lexington	83	57		121.9		40	9	4
Louisville	82	62	64	102.7	302.2	34	7	3

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature. Monthly average.	Departure from 20-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 20-year normal.	No. of days with .01 inch or more.	Average Number of Days. Clear.	Partly Cloudy.	Total No.	Average Snowfall.
1891	34.1	+ 2.5	73	8	1.93	−1.54					
1892	43.6	+ 9.9	76	16	7.98	+4.53					
1893	32.2	+ 3.6	66		4.72	+1.27					
1894	42.2	+ 5.6	70	11	2.92	−0.53					
1895	37.7	+ 1.1	70	3	4.49	+0.95					
1896	34.6	− 2.0	74	2	4.56	+1.21					
1897	25.9	− 10.7	59	−15	0.36	−2.79	5	12	8	9	
1898	39.3	+ 0.8	70	2	2.06	−0.39	9	9		12	
1899	39.8	+ 3.2	78	18	5.75	+2.40	11	8	7	13	1.2
1900	37.4	+ 0.8	77	− 3	1.61	−1.84	6	13	8	10	2.6
1901	26.2	− 10.4	51	−20	3.07	+0.52	11	9	5	13	10.6
1902	32.5	− 4.1	76	− 9	3.68	+1.23	12	7	5	16	5.0
1903	32.4	− 1.2	70	4	1.52	−2.18	7	13	3	11	2.1
1904	27.9	− 3.7	60	− 3	1.20	−2.15	7	15	6	12	2.8
1905	37.5	+ 5.9	75	−16	7.28	+3.83	9	11	4	13	6.1
1906	35.2	+ 3.1	76	− 2	2.32	−1.13	7	11	3	13	3.5
1907	27.9	− 4.7	55	−16	3.44	−1.01	7	10	3	15	5.9
1908	24.7	− 7.9	53	−12	1.81	−1.64	7	15	5	8	5.4
1909	33.7	− 6.9	53	−10	3.06	−0.99	9	11	3	12	3.6
1910	35.6	− 1.0	70	− 2	5.50	+2.11	13	9	5	15	3.1
1911	42.4	+ 5.8	76	− 5	8.17	+4.72	11	11	4	14	1.0
1912	39.9	+ 3.7	68	− 12	4.70	+1.35	10	12	4	13	11.2
1913	42.0	+ 5.4	80	− 2	3.23	−0.20	9	11	3	14	4.4
1914	29.7	− 6.9	68	− 16	3.38	−0.07	7	10	5	14	3.3
1915	38.8	− 1.8	67	− 2	2.61	−0.51	14	5		14	1.4
1916	32.2	+ 4.4	69	− 2	1.11	+0.69	11	9	3	13	2.2
1917	31.9	+ 3.3	57	13	1.74	−1.73	8	7	3	13	2.1
1918	35.6	+ 1.9	70	4	1.29	−2.17	9	11	3	13	2.1
1919	34.8	+ 3.8	80	− 2	3.51	−0.95	8	8	3	12	4.7
1920	36.3	+ 3.7	83	− 2	2.91	−1.47	11	7	3	18	4.8
1921	38.2	+ 5.6	82	12	4.79	+0.38	11	7	5	16	1.1
1922	41.3	+ 4.7	76	4	5.58	+0.13	11	6	4	15	3.8
1923	34.6	− 2.0	74	4	4.67	−1.22	11	10	3	13	1.6
1924	36.0	+ 0.6	71	4	3.95	−0.36	9	11	3	13	1.6
1925	41.0	+ 3.4	76	8	3.31	−0.98	12	6	3	13	1.6
1926	41.1	+ 4.5	76	4	3.91	−0.38	12	7	3	13	1.6
1927	45.6	+ 9.0	81	15	2.97	−1.30	11	10	3	12	4.2
1928	38.1	+ 1.6	75	8	2.48	−0.97	5	11	3	12	1.6
1929	31.2	− 5.4	73	4	3.58	−0.33	10	10	3	15	1.6
1930	41.1	+ 8.5	76	12	3.20	−0.53	11	7	3	12	1.6

Climatological Data for February, 1931.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches			Number of days:					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																			
Barnett Dam	Ohio	441	27	43.2	+ 7.0	70	7	19	15	40	4.33	+ 1.15	1.40	0	11	16	3	9	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	455	27	44.0	+ 6.9	69	7	21	15	34	3.99	+ 0.73	1.57	0	8	6	11	11	ne.	W. A. Taylor.
Earlington	Hopkins	420	41	46.2	+ 5.9	70	7	17	15	39	4.17	+ 0.56	1.86	0	8	14	0	14	n.	Brice Southworth.
Earlington	Hopkins										2.81		0.90	0	10					W. D. Batcher.
Fords Ferry, Dam 50	Ohio	356	2								3.32	− 0.02	0.90	0	10	13	4	13	n.	C. R. Lovell.
Greenville	Muhlenburg	519	14	44.4	+ 3.1	69	7	18	15	37	3.82	− 0.37	0.92	T.	8	12	1	15	se.	W. E. Graves.
Hopkinsville	Christian	524	35	44.9	+ 6.8	72	7	20	15	39	4.42		2.70	0	5	13	5	10	n.	Blaine Malone.
Lovelaceville	Ballard		2	42.3		69	8	19	15	38	4.42									B. C. Paris.
Marion	Crittenden	571	35	44.9	+ 7.5	69	8	20	16	42	2.17	− 0.87	0.80	0	5	12	7	9	w.	Mrs. C. R. Sowell.
Mayfield	Graves	363	22	45.3	+ 6.0	70	8	21	15	34	3.15	− 0.47	1.50	0	6	13	5	10	nw.	Harry B. Arnold
Murray	Calloway	412	5	43.8		72	7	18	15	40	3.58		0.92	T.	8	11	3	14	nw.	Henry S. Berry.
Owensboro	Daviess	479	34	41.1	+ 5.0	65	7	19	14	33	2.51	− 0.42	0.88	T.	7					George McClenary.
Owensboro, Dam 46	Daviess	404	3								2.50		0.70	T.	7					J. W. Lilley.
Parkway Gear S.	McCracken	340	14	42.4	+ 0.7	68	7	20	15	33	4.63	+ 1.97	2.37	0	7	13	4	11	se.	Frank L. Brown.
Sullivan	McCracken	340	42								3.78	− 0.31	1.40		7					B. W. L. Cash.
Princeton	Caldwell	529	24	43.2	+ 6.8	70	7	19	15	37	4.05	− 0.33	1.83	0	9	14	0	14	n.	Thos. L. Wetzell.
Rumsey, Lock 2	Hickman	384	14								4.24	+ 1.52	1.26		8					Wm. Shelton.
Sacramento	Logan	560	24	41.6	+ 4.2	68	2	18	15	45	2.98	− 0.45	1.38	0	7	13	1	14	n.	Earl Holder.
Uniontown, Dam 49	Union	357	6								2.40		0.61		8					
Central Division.																				
Addison, Dam 46	Breckinridge	352	3								3.00		0.70		9					C. L. Moore.
Anchorage	Jefferson	500	30	38.8	+ 5.8	64	7	13	15	37	3.35	+ 0.51	1.30	0.5	6	14	1	13	se.	C. E. Barret.
Bardstown	Nelson	657	34	41.1	+ 5.7	67	7	15	15	40	3.76	+ 0.63	1.25	1.0	6	16	3	9	s.	Mrs. Emily T. Sisco.
Barwick	Nelson	620	42	44.2	+ 5.5	71	7	18	15	40	3.82	− 0.08	1.10	0	10	12	10	6	w.	Mrs. Lillie G. Causey.
Bear Grass	Warren	520	42								3.43		1.52		7					T. Rose.
Bowling Green, No. 2	Warren	469	6								3.05	− 1.16	1.12	T.	6					Virgil L. Whalin.
Brandenburg, Lock 6	Meade	450	14								3.08	− 1.04	1.23	T.	6					T. A. Lewis.
Burnside	Pulaski	772	40								2.35	− 0.28	0.59		6					Shelby Angel.
Carrollton, Lock 1	Carroll	522	32								2.14		0.68		8					Reuben Hartley.
Coal Spring, Dam 36	Campbell	483	6								4.18		1.18	0	8	10	9	9	nw.	C. W. Williams.
Fox Dam, Burgin	Mercer	770	7	42.0		66	7	17	15	37	4.18		1.18	0	8	10	9	9	nw.	Mrs. Katie Payne.
Frankfort	Pulaski	1177	37	40.4	+ 5.6	68	2†	14	15	40	1.88	− 1.86	0.81	T.	5	7	13	10	n.	Sidney Wood.
Frankfort	Franklin	507	30	41.2	+ 5.3	64	7†	18	15	35	2.88	− 0.86	0.75	T.	7	8	5	15	w.	M. E. Johnson.
Franklin	Simpson	691	36	43.6	+ 4.6	71	7	19	15	37	5.49	+ 1.0	1.33	0	10	13	6	9	n.	Louis Shiddell.
Gest, Lock 3	Henry	449	20								2.78	− 0.18	0.74	0.5	7					H. W. Sprague.
Gnadenhutten	Boone	780	6								1.72		0.59		10					Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	36	41.6	+ 6.7	69	7	15	15	40	3.85	− 0.04	1.16	0	14	6	1	21	n.	Miss Ruby L. Simpson.
High Bridge, Lock 7	Jessamine	550	29								3.27	+ 0.02	1.21		8					W. J. Piggott.
Irvington	Breckinridge	645	33	42.0	+ 5.9	67	7	21	14	32	3.41	+ 0.28	1.25	T.	7	11	4	13	sw.	Caroline Grabbs.
Junction City	Boyle	985	37	40.0	+ 5.4	67	7	14	15	40	4.28	+ 0.54	1.16	0	8	9	13	6	sw.	..... Anderson.
Lancaster	Garrard	1052	5								3.22		1.65		8					H. H. Willis.
Leitchfield	Grayson	635	35	41.3	+ 6.1	63	7	19	15	29	3.56	+ 0.38	1.22	T.	9	11	5	12	ne.	U. S. Weather Bureau
Lexington	Fayette	980	47	39.3	+ 3.9	62	7	18	15	26	3.40	− 0.22	1.03	1.5	9	8	4	16	n.	Bourne Custer.
Louisville, Kanawha, Lock 8*	Jefferson	523	20								2.70	+ 0.05	1.20		6					Frank Litch.
Lusbyon, Lock 2	Henry	475	21								3.25	+ 0.74	0.74		7					U. S. Weather Bureau
Lusbyon, Lock 4	Jefferson	523	28	41.4	+ 3.2	63	7	20	14	27	2.88	− 0.67	0.89	1.0	7	7	7	14	n.	A. G. Hubbard.
Madisonville	Hopkins	600	8								2.31		1.09		6					Sisters of Loretto.
Mt. Eden	Bullitt	777	35	41.8	+ 7.3	65	1	20	14	41	3.55	− 0.17	1.40	0	4	19	3	6		Ernest M. Searcy.
Nelson, Lock 5*	Mercer	430	17								4.62	+ 1.37	1.50		6					C. F. McDonald.
Nortonville	Kenton	900	33								1.72		0.59		10					Miss Ruth Retta.
Shelbyville	Shelby	825	42	40.0	+ 5.5	65	7†	17	15	32	3.26	− 0.31	1.27	1.0	8	10	1	17	n.	E. D. Bourne.
Taylorsville	Spencer	550	29	40.7	− 5.3	68	3	17	15	44	3.52	+ 0.13	1.22	T.	8	13	3	12	w.	H. K. Vaughn.
Tyrone, Lock 5*	Anderson	506	13								2.82	− 0.31	0.80		7					Miss Nettie B. Simpson.
Williamstown	Grant	913	28	39.4	+ 7.4	61	8†	15	15	33	3.38	+ 0.85	1.40	0.5	11	12	7	9	e.	H. J. Lewis.
Woodcrest, Lock 4	Butler	523	14								3.30	− 0.26	1.41		7					
Eastern Division.																				
Annville	Jackson										2.90		1.11	3.5	8	11	4	13	nw.	W. A. Worthington.
Ashland	Boyd	551	14	40.5	+ 3.7	63	8	18	16	36	3.59	+ 0.50	1.22	1.2	10	10	6	12	w.	Jacob Armbruster.
Beattyville	Lee	650	27	43.6	+ 3.9	65	7	12	15	45	2.92	− 0.26	1.20	1.8	11	7	3	18	nw.	Robert S. Smallwood.
Berea	Madison	1070	26	41.3	+ 5.6	67	7	15	15	31	3.43	+ 0.24	0.57	0.5	11	11	3	14	nw.	Chas. J. Graham.
Berea	Madison	1070	26								2.76	+ 0.17	0.85	T.	9					Rudy Walden
College Hill, Lock 11	Madison	601	21								3.34	+ 0.46	0.95	T.	9					J. F. Renno.
Crosthwaite	Madison	664	13								2.90	+ 0.20	0.92	T.	11					J. V. Oldham.
Lakeside	Pendleton	650	42								3.76	+ 0.76	1.28	0	5	13	9	15	e.	Mrs. R. P. Stamper.
Paramus	Boyd	668	23	40.6	+ 3.4	66	27	14	15	45	3.91		0.93		8					C. A. Glascock
Pineville	Bell	841	6								2.77	− 0.43	1.05	0.1	7					John A. Walters.
Point Lock 10*	Clay	525	15								2.42		0.71	T.	7					Col. Frank Powers.
Sayersville	Carter	586	6								3.12	+ 1.18	0.75	0.8	12					T. Mitchell.
Sewanee, Dam 39	Greenup	548	11								2.52		1.22	T.	5	15	4	9	sw.	W. W. Penfield.
Tipton	Harlan	1197	3	36.6	....	61	6	14	15	43	2.75		1.20	0.8	8					Chas. O. Benz.
Tygart	Carter	570	6								2.77	− 0.60	1.32		7					S. A. Cole.
Vanceburg, Lock 14	Lewis	651	14								1.84		0.80		6					R. B. Davidson.
Jamestown	Fentress	1566	6								2.76	− 0.58	0.90		8					Russian Copley.
Lemon	Lawrence	584	27								2.52	− 0.02	1.25		7					Joseph H. Wilfle.
Manchester	Clay		11								2.90	− 0.27	0.98	0	10	8	6	14	sw.	Jessie E. Bennett
Maysville	Mason	524	34	40.2	+ 5.5	63	7	16	15	37	3.19	− 1.42	0.88	0	7	11	13	4		Matthew Woodson
Middlesboro	Bell	1128	35	40.5	+ 6.4	60	8	13	15	33	3.89	− 0.65	1.00	2.0	9	12	7	9	w.	W. R. McKee.
Mount Sterling	Montgomery	900	11	37.2	+ 3.0	64	7	13	15	30	2.98	− 0.99	0.78	T.	9					O. C. Gibble.
Owingsville	Bath	857	9								2.56	− 0.98	0.68	T.	7					Robert Lapsley.
Paris	Bourbon	696	25								2.15		0.81		6					E. P. Hall.
Pineville	Bell	840	6								2.14		0.65	T.	7					R. W. Jones.
Oddville	Breathitt	772	5	16.8		68	7	13	15	14	1.89	− 1.17	0.55		9					Walter P. Bush.
Ravenna, Lock 12	Estill	623	12								3.10	− 0.37	1.15	1.0	8	11	0	17		J. W. Combs.
Rockwood	Powell	1078	16	41.1	+ 4.8	65	7	17	15	31	5.60	+ 1.82	1.30		11					T. C. Sallee.
Rockwood, Lock 5	Madison	541	18								2.93	− 0.88	0.74		11					H. M. Fenno.
Stanton, Dam 42	Powell		16								1.51		0.56	0	7					G. B. Zimmerman.
Williamsburg	Whitley	1122	6								2.56	− 1.05	1.04	0	7	14	3	11		H. S. Davis.
Wilmore	Jessamine	960	51	43.8	+ 5.0	68	3†	16	15	45	2.95	− 0.92	1.15		6					Bessie Hicks.
Wilton, Lock 13	Lee	643	12								3.20	− 0.25	2.37	0.3	8	12	4	12	n.	
Stony Fork, Dam 44				11.6	+ 5.0	58	8	12	18	45	3.20	− 0.25	2.37	0.3	8	12	4	12	n.	

[illegible] Bureau [illegible] of the temperature.

[illegible] and precipitation [illegible] for such stations as have [illegible] years of record, but all complete reports [illegible]

[illegible] Locks on the Cumberland River; other Locks are on the Kentucky River

[illegible] representing accumulated [illegible] on days previous; [illegible] to [illegible] Precipitation is less than 0.01 inch; rain or melted snow [illegible] Oak.

* Pool [illegible] readings: Lock 3, Leavenworth, Ky.; Lock 6, Vevay, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

Rivers.—Enough rain or snow to slightly raise the stages of the Big Sandy, Licking and Kentucky rivers between March 26th and 28th. The flow of the Ohio was also [illegible]

Errata for January, 1931.

Bardstown, mean minimum temperature 28.3°, monthly mean 37.8, departure 4.2°.
Harlan greatest 24 hour precipitation 0.42 on the 5th
Junction City, precipitation on 15th T

Daily Precipitation for February, 1931.

Stations	Day of month.																												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			
Western Division																															
...n Dam	G					.05	.20	1.40	.18			.1	.36	.05			.40														
...ns	G					T		1.52	.46			T.	.36			.06	.12	T												
...nford	G					.01	.1	1.80								.05														
... Ferry, Dam 50	G						.10	.4						1		.42														
...ville	G					.02	.10	T	.76			.07	.47	.42			.17	.01	.42	.01										
...Prestville	C					T		.57				.02	.88			.02	.25		.02											
...dsville	M						.20	.2.70	.62	T			.32			.03	.34		.02					T	T					
...n	O							.25	.67				.30			T														
...ld	M								1.30	.07			.80																	
...y	T					T.	.9		.90	.55			.53			.18	.26		.11											
...Shore, Dam 46	O					T.	.10	.30	.12	T.		T.	.80	.12		1	.12		.11					.18	.15					
...ch Point *	O						.21	.88	.76	T.		T.	.47	.02			.18	T		.06		T.	T							
...ark	O					.21		2.37	.55				.90			.10	.02													
...ston	O						.16	1.40	.80				.58	.26			.03		T												
...y, Lock No. 2	G					.15	T	1.80	.27			T.	.55			.08	.21	T.	.01											
...ville	G						.27	1.26	1.12				.33	.08			.19	T.	.03	.16										
...town, Dam 49	O							.64	1.08				.35	.01			.14		.03					.40						
							.21	.56	.66			T	.04	.07			.15	T	.05	.04										
Central Division																															
...n, Dam 45	O						.15	.43	.76			.01	.33	.77			.51	.12	T.	.62			T.							
...range	O						.15	.48	.94	T		T.	1.55			T.	.42													
...town	S						.05	1.23	.65				.50				.56													
...ng Green	G					T.		.55	1.15			.2	.55			.05	.52			.01										
...se Season, No. 2	G							1.31	1.52			.06	.43	.63			.57													
...ville, Lock No. 6	G						T.	.88	1.12	T			.12	.72			.17	.14	T.											
...ton	C						.03	.31	1.20	T.			.26	.52			.04													
...ton (Lock No. 1)	K						.16	.39	.79				.57	.53		.51														
...spring, Dam 38	O						.10	T.	.54				.19	.06			.14		.06	.04			T	.02						
...an, Burgin	K					.12	.65	1.18					.10	.08		.71	.64													
...n	C							.70	.13					.50			.4	.05												
...ton	G						.08	.60	.51				.25	.77	T.		.44	.05	T.		T.									
...Lock No. 3	K							.92	1.36				.65			.02	.70			.12	.03			.10	1.10					
...Dam 38	O						.15	.40	.59				.40	.51			.45	.01				T.		T.						
...burg	O						.10	.02	.46	.01	T.	T.	.17	.59	T.		.19	.03	.05					.05						
...Bridge, Lock No. 7	K						.04	.51	1.17	.03		.01	.63	.03		.02	.55	.02	.02		.01			.07						
...ton	O						.12	.60	1.21	T.			.63	.58			.72	.02		.03										
...n City	K					.02	.04	1.25	.54	T.		T.	1.01			T.	.38	T.	T.											
...t	K						.10	1.12	1.16	.18			.68	.76			.66	T.	T.				T.							
...field	K						.05	.4	1.05	.02				.18			.60	.01		.01										
...ton ***	K					T.	.23	1.22	.96	.01			.87			.03	.50		.07											
...Hickman, Lock No. 8	K					.05	.11	.53	.74	F.		T.	.38	T.		.15	.37	T.	.04	T.		T.								
...rt, Lock No. 2	K						T.	1.06	1.30	T.			.38	.48			.72	.07			T.									
...ton	K					.12	.38	.62				.55	.54			.8														
...rville	O					.08	T.	.78	.13			T.	.9	T.		.17	.16	T.	T.	T.		T.								
...n	S						.02	.35	1.60				.22	.62			.00													
... Lock No 6	K						T.	1.52					1.46				.42	T.	T.			T.								
...ille	L						T.	1.80	1.10				.37	.80			.80	.12		T.										
...ville	S																													
...Lock No. 5	K						.19	.86	.41	T.		.09	1.37				.45	.13												
...stown	L					.16	.19	.86	.55	T.		.04	1.22			T.	.48		.04			T.								
...ry Lock No. 4	G						.45	.25	T.				.80				.48		.02	T.										
							.05	.51	1.11				.26	.62			.67	.04	.03			.02	.02								
Eastern Division																	.47						.02							
...e	C						.03	.02	1.11	.23	.02			.81			.58	.13												
...ille	O						.04	.82	1.22	.23	.18		T.	.58			.71	.08	.01	T.	T.			.6						
...ille	K						.08	.25	1.24	.22	.05		T.	.50			.52	.07	T.	.03				.02						
... Hill, Lock No. 11	K						.06	.73	.95	.01			.36	.07			.15	.05	.01	.02			T.							
...ns	L						.10	.47	.83	.15			.12				.80	.10	T.	.02										
...gh	L						.05	.50	.56	.7		.8	.22	.75		.09	.55	.31	T.	T.			T.							
...s	L						.10	.21	.47	T.		.01	.36	.90			.50	.66	.02			.7	.04							
...ssburg	L							1.11	1.25					.61			.63	.11												
...ck No. 10	K					.04	.46	.60				.39	.62			.01	.14													
	O						.10	.11	1.07	T.	T.		.14	.34	T		.51	T.		.08	T		T.							
...Dam 36	O		.22					.76	.71	.03			.67	.23			.75		.14											
	C						.06	.12	.76	.11	.05		.11	.78			.62	.26	.14				.13							
									1.29	T.				.90		.33		T.	.05										
...ks, Lock No. 14	K						.10		1.29	.05	.08			.62			.47	.21					.03	.02						
	K						.0	.06	1.32	.02	.06			.59			.30													
	K						.15	.80	.20	.11				.98			.28													
...ster	K						.06	.54	.90	.23	.06			.49				.44	.16											
...le	L						.05	.43	1.05	.13				.70			.60	.12												
...boro	C						.05	.21	.80	.04				.24	.88		.52	.02	T.		T.		.03	.03						
...terling	L								.88					.58	.10		.07		.14											
...Dam 35	O						.2	1.06	.85	.07			.68				.47	.05	.20					.72			.10			
							.7	.16	.56	T.	T.	T.	.11	.78			.32	.07	.02		T.		.06				.35			
...burg	B						.03		.28	.25				.76			.27	.45	T.	.12			T.							
...nd	K							.20	.81	.46				.72			.44	.12												
...k No. 12	K						.10	.37	.95	T.	.20			.61		.7		.18		T										
...nd	K						.08	.27	.75	.10	.04		T.	.23			.68	.10	T.											
...low, Lock No. 9	K						.16	.60	1.15	.05			.10	.35			.74	.45				.05								
...rg, Dam No. 32	O						.12	.70	1.40	.14	.2	.02	T.		.86	.16		.14	.03											
...rgaret	S						.15	.26	.67	.04				.20	.94			.35	.17	.03		T	.03	.12				.55			
...ooga	C					T.		.13	.76	.02					.62			.2	.23	.10										
...Lock No. 13	K							.05	1.04	T.					.52			.52	.24	.03				.15						
								.20	1.13					.50	.05												.05				

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

(Reference mark **) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland Tennessee; (O) Ohio; (M) Mississippi.

* Lone Oak

Daily Temperatures for February, 1931.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mea
Western Division.																																	
Beaver Dam	Maximum	51	60	66	61	57	62	70	68	48	40	48	60	58	40	50	18	52	49	46	49	50	56	58	54	57	58	68	56	..	..	..	54
	Minimum	22	23	26	30	20	30	46	36	34	28	21	35	30	23	19	38	45	41	32	36	36	24	40	27	32	24	26	34	..	..	..	31
Calhoun	Maximum	49	60	65	60	56	61	69	66	56	54	45	58	52	41	48	47	49	47	46	48	51	58	60	52	56	56	64	60	58	..	..	54
	Minimum	26	25	31	32	24	37	52	56	54	25	22	36	40	22	21	37	40	41	35	37	37	30	40	29	36	32	51	41	57	..	..	35
Earlington	Maximum	56	58	63	58	55	63	70	67	53	45	47	57	55	40	48	48	51	47	46	50	54	56	59	54	56	52	59	51	61	..	..	53
	Minimum	28	24	24	31	21	34	53	42	33	28	22	40	39	22	17	33	45	42	33	38	39	27	42	28	32	30	25	35	..	..	..	32
Greenville	Maximum	56	59	64	60	55	64	69	69	46	41	46	56	54	39	47	47	51	47	45	49	53	56	59	54	57	57	64	58	57	..	..	*51
	Minimum	24	24	27	32	20	34	50	45	32	28	19	34	38	22	18	34	44	40	31	36	36	..	26	27	31	24	28	34	37	..	..	56
Hopkinsville	Maximum	52	61	67	60	59	68	72	65	48	42	50	57	54	41	50	45	52	50	45	52	55	59	62	58	57	61	69	61	67	..	..	33
	Minimum	27	25	28	34	24	37	54	47	33	27	22	35	40	24	20	36	45	43	31	37	36	29	43	30	33	35	31	44	..	..	..	54
Lovelaceville	Maximum	55	62	65	62	56	64	68	69	48	40	46	56	56	42	48	46	49	50	48	50	53	57	63	56	57	59	62	58	60	..	..	32
	Minimum	24	25	27	34	24	34	52	42	28	24	23	36	41	23	19	34	44	42	31	40	37	31	44	30	32	32	30	34	37	..	..	66
Marion	Maximum	58	59	67	63	60	69	71	70	51	46	50	55	59	53	50	48	48	47	45	49	51	56	61	58	59	58	66	61	63	..	..	57
	Minimum	26	31	29	31	32	29	41	42	31	28	25	37	37	34	29	29	40	40	34	35	31	29	32	28	31	29	28	31	29	..	..	33
Mayfield	Maximum	57	62	65	65	58	66	71	70	61	59	48	51	56	45	53	52	56	50	49	52	56	59	63	57	59	61	64	58	59	..	..	54
	Minimum	27	29	35	33	24	41	53	43	33	28	25	35	35	27	24	34	43	41	30	37	36	29	43	30	33	36	31	44	..	..	..	54
Murray	Maximum	56	60	65	55	59	66	72	69	49	40	47	57	54	42	51	49	51	48	47	50	53	57	63	56	57	59	62	57	60	..	..	32
	Minimum	28	23	25	35	29	38	56	45	34	29	19	36	40	23	18	30	45	43	30	35	34	26	43	30	33	35	31	44	..	..	..	56
Owensboro	Maximum	49	57	62	57	56	62	68	63	42	34	43	57	54	40	46	46	48	44	44	48	50	54	61	56	57	58	66	58	60	..	..	54
	Minimum	29	24	24	30	22	32	47	42	31	26	24	32	40	19	20	32	42	38	33	40	39	29	44	31	34	33	30	35	37	..	..	32
Owensboro (near)	Maximum	51	58	62	57	56	62	68	64	43	37	44	59	54	40	46	46	48	44	44	48	50	54	61	56	57	58	66	58	60	..	..	54
	Minimum	24	26	29	32	24	30	50	41	32	33	24	38	38	22	20	36	42	41	32	38	38	28	41	30	33	34	31	38	37	..	..	32
Paducah (near)	Maximum	47	55	60	55	55	61	70	63	46	41	47	57	52	40	49	46	50	47	48	49	51	56	62	56	57	59	66	58	60	..	..	53
	Minimum	27	26	28	34	23	36	53	43	32	33	24	38	40	28	23	36	42	42	32	38	37	29	43	30	33	35	31	40	39	..	..	33
Princeton	Maximum	54	60	66	59	57	65	71	68	49	43	48	58	56	42	50	48	51	48	47	50	53	57	62	56	57	59	66	58	60	..	..	54
	Minimum	28	28	28	33	23	36	53	43	32	33	24	38	40	28	23	36	42	42	32	38	37	29	43	30	33	35	31	40	39	..	..	33
Russellville	Maximum	52	63	64	58	54	65	72	68	46	39	46	56	54	40	48	46	49	47	45	49	52	56	61	54	56	58	66	58	60	..	..	54
	Minimum	24	23	23	24	19	23	38	45	32	26	17	27	41	21	14	25	41	41	30	33	33	28	43	30	33	35	31	40	39	..	..	33
Central Division.																																	
Anchorage	Maximum	42	55	61	46	54	59	64	58	42	37	42	56	50	38	44	47	49	45	44	39	41	49	49	49	54	54	59	54	..	..	..	49
	Minimum	20	24	34	30	18	24	37	41	30	23	16	27	38	22	23	28	41	40	33	33	31	23	34	28	25	24	33	..	..	..	..	29
Bardstown	Maximum	51	60	65	50	55	63	67	63	44	40	47	56	50	38	46	46	49	47	45	48	50	54	60	54	56	56	64	58	59	..	..	53
	Minimum	25	21	25	30	19	29	48	42	32	27	20	32	40	23	19	30	42	40	33	35	34	26	38	29	35	30	28	35	33	..	..	32
Bowling Green	Maximum	50	59	67	60	57	65	71	69	46	41	48	57	54	41	48	47	50	48	46	49	52	56	61	56	57	59	66	58	60	..	..	54
	Minimum	26	25	27	33	24	34	52	46	33	29	21	33	41	25	18	32	43	42	33	39	38	26	40	27	32	33	29	36	35	..	..	33
Dix Dam	Maximum	50	59	64	58	52	62	66	63	45	39	47	55	52	41	48	47	50	48	46	49	52	56	61	56	57	59	66	58	60	..	..	54
	Minimum	30	24	28	35	21	25	48	45	33	30	22	30	40	24	17	28	42	42	33	35	34	29	43	30	33	35	31	40	39	..	..	33
Eolia	Maximum	52	63	64	58	54	65	72	68	46	39	46	56	54	41	48	46	49	47	45	49	52	56	61	56	57	59	66	58	60	..	..	54
	Minimum	24	24	23	24	19	23	38	45	32	26	17	27	41	21	14	25	41	41	30	33	33	28	43	30	33	35	31	40	39	..	..	33
Frankfort	Maximum	48	59	66	56	54	63	69	66	46	40	46	56	54	40	46	46	49	47	45	49	52	56	61	56	57	59	66	58	60	..	..	54
	Minimum	27	25	25	33	21	25	47	43	32	29	21	29	42	22	18	30	42	41	32	36	35	28	43	30	33	35	31	40	39	..	..	33
Franklin	Maximum	49	57	62	56	54	63	69	66	46	40	46	56	54	40	46	46	49	47	45	49	52	56	61	56	57	59	66	58	60	..	..	54
	Minimum	27	24	25	33	21	25	47	43	32	29	21	29	42	22	18	30	42	41	32	36	35	28	43	30	33	35	31	40	39	..	..	33
Greensburg	Maximum	48	57	62	56	54	63	69	66	46	40	46	56	54	40	46	46	49	47	45	49	52	56	61	56	57	59	66	58	60	..	..	54
	Minimum	26	26	23	31	18	25	48	45	32	29	18	29	43	24	15	26	42	42	32	36	35	28	43	30	33	35	31	40	39	..	..	33
Irvington	Maximum	46	56	61	51	51	61	67	58	45	35	44	56	48	39	45	46	50	48	45	47	49	53	59	54	56	58	64	57	59	..	..	51
	Minimum	24	25	29	31	24	34	51	42	33	28	24	36	38	21	21	36	45	41	33	40	39	29	47	34	36	37	33	38	37	..	..	32
Junction City	Maximum	52	59	62	57	55	61	67	63	44	37	44	56	50	41	46	46	49	47	45	48	50	54	60	54	56	58	65	57	59	..	..	52
	Minimum	25	18	24	24	18	24	45	43	31	28	21	28	38	23	20	30	43	42	34	36	34	28	43	30	33	35	31	40	39	..	..	33
Lebanon	Maximum	47	54	59	53	50	59	65	64	44	38	44	56	50	39	45	45	48	46	44	48	50	54	60	54	56	58	65	57	59	..	..	52
	Minimum	25	26	29	33	24	36	49	43	32	28	23	33	39	22	19	33	43	41	32	38	37	29	43	30	33	35	31	40	39	..	..	33
Leitchfield	Maximum	47	54	59	53	50	59	65	64	44	38	44	56	50	39	45	45	48	46	44	48	50	54	60	54	56	58	65	57	59	..	..	52
	Minimum	25	26	29	33	24	36	49	43	32	28	23	33	39	22	19	33	43	41	32	38	37	29	43	30	33	35	31	40	39	..	..	33
Lexington	Maximum	43	54	57	46	46	56	62	55	39	29	40	52	48	33	42	40	43	41	39	43	45	49	54	48	49	51	58	51	53	..	..	46
	Minimum	23	31	30	31	29	46	39	34	28	26	22	32	37	19	18	34	40	39	34	32	31	28	37	27	30	32	28	34	32	..	..	32
Louisville	Maximum	46	57	61	51	50	60	63	56	41	32	40	52	48	35	42	40	43	41	39	43	45	49	54	48	49	51	58	51	53	..	..	46
	Minimum	28	32	34	35	28	34	50	40	29	26	23	37	37	23	21	37	41	40	30	34	33	29	41	30	33	35	31	40	39	..	..	33
Louisville	Maximum	49	58	61	53	52	60	67	61	48	39	46	56	50	40	46	48	49	47	45	48	50	54	60	54	56	58	65	57	59	..	..	52
	Minimum	28	32	34	35	28	34	50	40	29	26	23	37	37	23	21	37	41	40	30	34	33	29	41	30	33	35	31	40	39	..	..	33
St. John	Maximum	24	24	31	32	27	32	49	40	30	28	28	36	33	29	34	36	42	40	36	34	34	31	40	31	34	29	27	29	27	..	..	35
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scott	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Shelbyville	Maximum	43	56	61	51	50	59	65	65	42	35	42	54	49	38	42	40	48	46	45	41	39	47	49	51	51	54	59	52	54	..	..	49
	Minimum	24	24	29	31	24	29	47	43	32	27	20	31	38	22	18	32	43	41	32	34	32	31	42	28	37	36	32	31	29	..	..	33
Taylorsville	Maximum	47	56	61	52	51	60	66	65	43	36	43	55	49	38	43	42	46	44	43	46	48	52	57	52	54	56	62	55	57	..	..	50
	Minimum	25	24	28	32	24	32	49	43	32	28	22	32	38	22	19	32	43	41	32	36	35	29	43	30	33	35	31	40	39	..	..	33
Williamstown	Maximum	47	56	61	52	51	57	61	59	43	36	43	55	49	38	43	42	46	44	43	46	48	52	57	52	54	56	62	55	57	..	..	50
	Minimum	23	26	28	30	24	24	42	41	33	25	19	32	38	17	15	31	38	37	30	29	31	27	33	24	25	29	26	32	30	..	..	33
Eastern Division.																																	
Ashland	Maximum	60	61	63	61	58	61	57	69	62	48	36	41	52	52	48	47	52	52	48	42	40	46	46	46	53	52	57	52	..	..	..	51
	Minimum	38	32	33	25	25	22	23	41	38	33	30	19	32	37	22	18	26	40	35	30	29	34	33	34	37	27	27	27	..	..	..	29
Beattyville	Maximum	48	56	63	51	51	61	66	58	46	38	44	57	48	47	46	47	50	47	46	42	41	49	47	48	50	51	54	51	..	..	..	49
	Minimum	35	18	22	31	17	20	30	46	32	28	14	22	34	22	12	21	30	43	37	34	32	34	33	32	38	38	31	31	..	..	..	27
Berea	Maximum	45	54	62	52	52	61	67	60	45	34	45	58	50	42	46	46	48	46	44	42	41	49	47	48	50	51	54	51	..	..	..	49
	Minimum	29	28	30	35	29	33	47	44	32	27	20	26	42	22	13	32	41	40	33	33	31	31	33	31	38	38	31	31	..	..	..	27
Farmers	Maximum	48	56	61	50	50	61	65	61	51	36	45	54	51	44	45	46	46	44	44	42	41	49	47	48	50	51	54	51	..	..	..	49
	Minimum	20	17	21	27	10	19	42	45	32	28	18	28	34	22	14	32	40	41	32	33	31	28	33	31	38	38	31	31	..	..	..	27
Hazard	Maximum	60	60	61	60	57	61	56	66	60	46	35	40	48	50	48	46	50	48	46	42	40	46	46	46	52	52	56	52	..	..	..	50
	Minimum	37	32	33	24	24	21	23	40	37	32	29	18	31	36	21	17	25	39	34	29	28	33	32	33	36	37	30	30	..	..	..	27
Jackson	Maximum	58	58	60	59	56	60	55	65	59	45	34	39	47	49	47	45	49	47	45	41	39	45	45	45	51	51	53	50	..	..	..	48
	Minimum	36	31	32	23	23	20	22	39	36	31	28	17	30	35	20	16	24	38	33	28	27	32	31	32	35	36	29	29	..	..	..	26
Mount Sterling	Maximum	49	57	62	56	54	62	68	64	44	37	44	56	50	41	46	46	48	46	44	48	50	54	60	54	56	58	65	57	59	..	..	52
	Minimum	28	28	29	33	24	34	50	40	29	26	23	37	37	23	21	37	41	40	30	34	33	29	41	30	33	35	31	40	39	..	..	33
Owingsville	Maximum	50	59	62	56	56	62	68	66	46	40	46	56	50	40	46	46	49	47	45	49	52	56	61	56	57	59	66	58	60	..	..	54
	Minimum	28	28	28	33	23	36	53	43	32	33	24	38	40	28	23	36	42	42	32	38	37	29	43	30	33	35	31	40	39	..	..	33
Richmond	Maximum	52	59	62	57	55	63	68	66	46	40	46	56	50	40	46	46	49	47	45	49	52	56	61	56	57	59	66	58	60	..	..	54
	Minimum	28	28	28	33	23	36	53	43	32	33	24	38	40	28	23	36	42	42	32	38	37	29	43	30	33	35	31	40	39	..	..	33
Williamsburg	Maximum	65	66	68	67	65	65	68	68	64	57	60	62	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	..	..	58
	Minimum	20	20	23	27	21	22	40	52	32	29	14	28	28	20	16	26	36	37	28	24	24	20	28	26	25	27	25	25	27	..	..	25

* Temperature at 7:30 a.m. read to the morning; the maximum temperature then read is charged to the preceding day, on which daily max always occurs.

** and ... indicate respectively 1, 2, 3 ... etc. days missing from record.

W. B. O. [illegible] 2 p.m. 19[illegible]

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

MAY 1931
LIBRARY OF THE

13 KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
VOL. XXXVI LOUISVILLE, KY., MARCH, 1931 No. 3

GENERAL SUMMARY.

The month was decidedly cold, yet temperatures varied less than usual and there was no severe weather. The equable conditions favored outdoor activities, the saving of spring lambs, and the use by livestock of available pasture. Frequent freezes in the first half kept vegetation practically dormant During the last two weeks winter grains and bluegrass grew slowly, but chilly days and temperatures near freezing at night retarded the development of fruit buds. In the last week peaches, plums, and early pears began blooming in the southern counties. As a rule the low temperature discouraged or prevented germination of seeds sown during the month. Sowing plant beds was finished earlier than usual.

Good rains in the first and last weeks considerably increased the supply of soil moisture. Moderate snowfall at this time in the north-eastern districts aided in raising the water content. Plowing advanced rapidly and was completed on many farms. The exceptionally loose, friable soil was conditioned with a minimum of labor into an ideal seed bed. It did not become really wet until the heavy rain of the 27th. Small streams were drying up when this rain replenished them to a greater degree than at any time since the long drought began. On account of the excellent working condition of the soil, early gardening activities were pushed in spite of the low temperature. Potato planting and oats sowing made unusual progress for this month. Impressed by its remarkable drought resistance, farmers considerably increased the sowing of lespedeza, especially in the southern counties. Bluegrass on warm slopes was of some service and rye pastures provided considerable grazing. Even early wheat was grazed lightly in the effort to conserve the limited amount of feed. While wheat remained small in a large proportion of fields, its development and condition were highly satisfactory. The earliest stooled to some extent late in the month. The dryness of the soil prevented any injury from the freezes.

TEMPERATURE.

Reports from 41 stations gave an average temperature for the State of 41.4°, which was deficient by 4.9° and lower than February preceding. Except on a few days, mean temperatures were continuously below normal, with the greatest departures in the periods 8-11th and 29th-31st. The deficiency was due mainly to the low maxima; for minimum temperatures, with a few exceptions, fell but little below freezing. The extremes were 73° at Williamsburg on the 24th, and 18° at Mt. Sterling and Middlesboro on the 5th.

PRECIPITATION.

The State average, obtained from the reports of 83 stations was 3.66 inches, which is 1.03 inches less than normal. This is the thirteenth month with a precipitation deficiency. Light to moderate rain or snow occurred in the periods 1st-2d and 6-10th. Light precipitation of a local and rather scattered character was reported on most days from the 15th to 26th, and moderate to heavy rains from the 27th to 29th. The rains were also heavy in the western and central districts on the 4th and 5th. Only flurries of snow occurred in the southern counties. In the central and northern districts the total snowfall ranged between 2 and 5.6 inches, increasing toward the Upper Ohio and Big Sandy. The heaviest snow fell on the 4th and 5th. In a belt extending from the southern Purchase to the upper Big Sandy, and lengthening northward to the upper Ohio, the monthly precipitation was 4.0 to 5.0 inches. More than 5.0 inches also occurred in the lower Green River Valley. In most other sections it ranged from 3.0 to 4.0 inches, while some northern counties received less than 3.0 inches. Thunderstorms were reported from central and eastern stations on the 27th. At many stations this was the first occurrence of thunder for six months.

PRESSURE AND WIND.

Stations	Atmospheric Pressure (Inches to be added to or subtracted)					Wind				
	Average.	Highest.	Date.	Lowest.	Date.	Prevailing Direction.	Average Velocity.	Maximum Velocity.	Direction.	Date.
Cairo ..... Ill.	29.30	30.36	12	29.27	7	[illegible]	[illegible]	[illegible]	NW.	[illegible]
Cincinnati ..... Ohio	29.28	30.35	26	29.28	7	[illegible]	[illegible]	[illegible]	NW.	24
Evansville ..... Ind.	29.25	30.34	12	29.26	7	[illegible]	[illegible]	[illegible]	W.	24
Lexington ..... Ky.	29.00	30.36	12	29.30	7	[illegible]	[illegible]	[illegible]	W.	24
Louisville ..... Ky.	29.00	30.34	12	29.28	7	[illegible]	[illegible]	[illegible]	NW.	7

[illegible] For any day indicate period. [illegible] By 8-mile anemometer [illegible] passing [illegible]

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Rel. Humidity. Noon.	Rel. Humidity. 7 p. m.	Sunshine. Total hours of Sunshine.	Sunshine. No. of hours possible.	Sunshine. Percentage of possible.	Number of days 80 per cent or more.	Number of days 20 per cent or less.
Cairo ..... Ill.	76	58	58	196.8	371.4	53	12	9
Cincinnati ..... Ohio	86	67	72	132.2	371.1	36	4	14
Evansville ..... Ind.	84	68	68	138.2	371.2	37	4	15
Lexington ..... Ky.	78	76	..	167.3	371.2	29	3	12
Louisville ..... Ky.	80	66	64	119.9	371.2	32	6	14

COMPARATIVE DATA FOR MARCH.

Year.	Temperature. Monthly average.	Temperature. Departure from 41-year normal.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Monthly average.	Precipitation. Departure from 41-year normal.	Precipitation. No. of days with .01 in. or more rain.	Average Number of Days. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
Mean	46.3	.....	91	− 3	4.69	.....	11	12	7	12	1.9
1889	40.5	− 5.8	84	18	1.52	−3.17					
1890	43.2	− 5.1	78	4	8.84	+3.65					
1891	41.8	− 4.5	84	2	5.08	+3.89					
1892	40.6	− 5.7	82	5	4.08	−0.61					
1893	45.0	− 1.3	84	5	2.76	−1.93					
1894	50.8	+ 4.5	86	10	2.72	−1.57					
1895	45.9	− 1.3	88	15	3.17	−1.52	12	13	7	11	
1896	41.1	− 5.2	80	8	6.16	+1.47	12	9	8	13	
1897	49.6	+ 3.3	89	20	7.91	+3.25	13	8	9	14	0.2
1898	50.5	+ 4.4	84	16	7.59	+2.60	15	8	8	14	1.8
1899	43.9	− 2.4	86	6	8.10	+3.41	15	8	12	11	2.4
1900	42.8	− 3.5	81	5	2.58	−2.11	9	11	8	12	3.5
1901	46.4	+ 0.1	87	3	3.50	−1.19	10	9	7	15	0.5
1902	47.2	+ 0.9	82	7	4.44	−0.25	11	16	2	13	0.3
1903	51.6	+ 5.2	85	19	4.48	−0.26	12	9	5	17	0.1
1904	47.7	+ 1.4	88	12	6.26	+1.52	12	8	5	18	0.5
1905	52.2	+ 5.9	85	22	4.45	−0.24	9	15	6	10	1
1906	54.2	+ 7.1	75	33	8.37	+1.68	16	6	5	20	2.0
1907	53.0	+ 8.6	92	18	2.25	−2.41	10	13	6	12	0.8
1908	54.8	+ 5.5	89	32	5.42	+0.73	13	10	7	14	0.7
1909	44.8	− 1.5	72	17	5.14	−0.15	11	11	7	13	2
1910	55.0	+ 8.7	93	11	0.70	−3.99	3	18	7	6	0.3
1911	46.0	− 0.3	87	7	2.97	−2.12	9	14	6	11	0.6
1912	41.3	− 5.0	88	19	6.32	+1.53	15	6	5	19	5.3
1913	40.5	− 6.2	82	9	7.98	+2.53	15	12	7	12	6.5
1914	41.8	− 4.5	78	9	2.71	−1.67	12	10	6	15	6.4
1915	37.8	− 8.5	68	11	2.43	−2.58	8	12	5	14	3.5
1916	43.5	− 2.8	84	4	3.20	−1.80	10	12	8	11	3.1
1917	45.3	− 0.4	84	9	6.52	+1.52	14	10	6	12	3.1
1918	43.7	− 2.0	84	11	2.72	−2.28	8	13	7	11	2
1919	45.6	+ 1.8	81	15	5.85	+0.85	9	15	6	10	1.2
1920	46.2	+ 0.0	88	4	4.85	+0.13	10	15	6	10	0.5
1921	46.7	+ 0.3	86	15	5.75	+1.03	11	13	9	9	1
1922	49.4	+ 3.1	90	18	3.41	−1.32	14	9	7	15	0.5
1923	49.6	+ 0.7	88	8	5.97	+0.58	9	15	7	9	1
1924	41.5	− 4.8	81	14	2.95	−1.84	9	8	5	17	1.8
1925	39.2	− 2.9	81	4	3.89	−1.10	9	16	7	8	0.4
1926	40.2	− 6.1	84	4	2.80	−1.93	14	12	6	13	2.8
1927	48.1	+ 2.1	89	16	5.64	+1.05	11	12	5	14	3.5
1928	45.6	− 0.7	85	12	2.54	−2.05	8	16	8	7	2.7
1929	52.0	+ 5.7	84	26	4.47	−0.82	10	13	8	10	0.7
1930	44.5	+ 1.8	76	9	2.17	−2.52	8	16	7	8	1.2
1931	41.4	− 4.9	73	24	3.66	−1.03	12	7	7	17	1.9

Climatological Data for March, 1931.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches			Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departures from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	
Western Division.																			
Beaver Dam	Ohio	441	27	43.6	— 4.0	68	22	23	4†‖	38	4.60	—0.24	1.10	0.5	11	12	7	12	n.	Mrs. Lena F Taylor.
Calhoun	Mclean	457	27	42 8	— 6.1	64	23	26	3†	30	4 72	0 00	1.92	1.0	11	1	18	12	nw.	W. A. Taylor.
Earlington	Hopkins	420	41	42.5	— 5.2	67	13	20	3†	34	3.58	—1.41	1.07	1.0	11	11	5	15	n.	Brick Southworth.
Fordsville	Ohio	536	2	....	....	....	....	....	....	....	4.22	.....	1.58	0 9	10	....	....	....	....	W. D. Hatcher.
Fords Ferry, Dam 50	Hancock	359	14	42.0	— 6 2	67	13	21	3†	36	3 77	—1.78	1.27	0	12	6	13	12	n.	C. R. Lowell.
Greenville	Muhlenburg	519	14	42.0	— 6 2	67	13	21	3†	36	3 77	—1.78	1.27	0	12	6	13	12	n.	C. R. Lowell.
Hawesville	Hancock	524	35	43.8	— 5.5	70	13	24	3	33	3 68	—1.05	1.35	T	10	11	4	15	se.	W. E. Graves.
Hopkinsville	Christian	....	35	43.3	— 5.5	70	13	22	3	34	3 93	.....	2.07	1.0	6	9	12	10	n.	Blaine Malone.
Lovelaceville	Ballard	....	2	45.4	....	65	13	22	3	34	3.93	.....	2.07	1.0	6	9	12	10	n.	B. C. Paris.
Marion	Crittenden	571	33	43.0	— 5.5	68	7	26	21	37	3.88	—0.72	1.93	1.5	6	13	7	11	w.	Mrs. C. R. Sowell.
Mayfield	Graves	364	22	*44.7	— 6.2‡	67a	13	25a	3	31a	2.70	—2.31	1.20	0.1	4	12a	7a	11a	nw.	Harry B. Arnold
Murray	Calloway	412	5	43.0	.....	67	13	22	3†	37	4 07	.....	1.85	2.8	6	14	5	12	n.	Henry S. Berry.
Owensboro	Daviess	379	34	40.8	— 6.3	66	13	23	5	30	3.43	—1.10	1.51	1.0	10	5	8	18	nw.	George McClemary.
Owensboro, Dam 46	Daviess	404	3	....	....	....	....	....	....	....	3.71	.....	1.28	1.3	11	....	....	....	....	J. W. Lilley
Paducah (nears)	McCracken	316	14	42.8	— 6.4	63	13	24	3†	29	4.21	—1.11	1.40	0.5	8	9	8	14	ne.	Frank L. Brown.
Paducah	McCracken	341	42	....	....	....	....	....	....	....	3.46	—0.91	1.70	T	8	....	....	....	....	Dr. W. L. Cash.
Paducah	McCracken	329	24	42.8	— 5.7	67	13	23	3	34	3.49	—1.66	1.15	1.0	7	9	7	15	n.	Thos. L. Wetzell.
Princeton	Caldwell	384	14	....	....	....	....	....	....	....	4.47	—0.15	2.04	0.5	9	....	....	....	....	....
Ramsey Lock 2½	Mclean	590	20	40.6	— 8.2	68	13	21	5	37	4.18	—0.81	1.20	0	11	14	4	13	n.	Wm. Shelton.
Russellville	Logan	357	3	....	....	....	....	....	....	....	‖ 81	.....	2.03	1.0	10	....	....	....	....	Earl Holder.
Uniontown, Dam 49	Union	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Central Division.																				
Addison, Dam 45	Breckinridge	352	3	....	....	....	....	....	....	....	3.95	.....	1.24	....	12	....	....	....	....	C. L. Moore.
Anchorage	Jefferson	700	30	39.2	— 5.8	64	14	18	3†	35	2.98	—1.15	1.01	2.5	8	12	2	17	ne.	C. E. Barret.
Bardstown	Nelson	657	34	41.4	— 5.5	66	14†	20	5	36	3.64	—1.13	1.00	2.5	12	9	8	14	e	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	42	44.0	— 4.5	69	13	25	5†	39	4.80	—1.02	1.40	0 5	13	8	11	12	w.	Mrs. Lillie G Causey.
Bowling Green	Warren	469	6	....	....	....	....	....	....	....	3 03	.....	1.36	1.5	10	....	....	....	....	E. Rouc
Bowling Green, No. 2	Warren	469	14	....	....	....	....	....	....	....	3.89	—2.42	1 58	0.1	9	....	....	....	....	Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	419	14	....	....	....	....	....	....	....	4.51	—0.73	1.78	1.5	9	....	....	....	....	T. A. Lewis
Burnside	Pulaski	773	40	....	....	....	....	....	....	....	3.07	—0.51	1.18	....	8	....	....	....	....	Shelby Angel.
Carrollton, Lock 1	Carroll	422	32	....	....	....	....	....	....	....	2 11	.....	0.66	3 5	13	....	....	....	....	Reuben Hartley.
Cold Springs, Dam 36	Campbell	489	5	....	....	....	....	....	....	....	3.32	.....	1 18	0.5	10	6	10	15	nw.	C. W. Williams.
Dix Dam, Burgin	Mercer	770	7	41.8	.....	65	14†	24	3†	34	3.29	.....	1.57	0.2	6	3	4	24	n.	Mrs. Katie Payne.
Eubank	Pulaski	1177	37	40.4	— 5.7	65	14†	18	5†	38	3.29	.....	1.57	0.2	6	3	4	24	n.	Sidney Wood.
Frankfort	Franklin	560	39	41.6	— 5.0	66	14	21	3†	29	3 55	—1.06	1 07	2.6	11	8	5	18	w.	M. E. Johnson.
Frankfort	Simpson	691	36	43.6	— 6 0	68	13	23	9	34	5.00	+0.52	1.25	0	10	16	8	7	n.	Louis Shiddell.
Franklin	Henry	449	20	....	....	....	....	....	....	....	2 95	1.21	0.86	2.5	13	....	....	....	....	H. W. Sprague.
Gest, Lock 3	Henry	780	6	....	....	....	....	....	....	....	2 21	.....	0.97	....	11	....	....	....	....	....
Grant, Dam 38	Boone	881	28	41.9	— 4.7	67	23	19	5	38	4 08	—1 09	1.09	2.5	14	0	3	27	n.	Mrs. Bettie K. H. Alcorn
Greensburg	Green	556	29	....	....	....	....	....	....	....	3.73	—0.71	1.21	T	12	....	....	....	....	Miss Ruby L. Simpson.
High Bridge, Lock 7	Jessamine	646	33	42.2	— 5.0	64	23	25	5	22	4.15	—0.57	1.60	2.0	9	8	4	19	nw.	W. J. Piggott.
Irvington	Breckinridge	446	37	43.1	— 5.7	65	14	20	5	34	4.40	—0.72	1.00	1.5	12	6	15	10	w.	Caroline Grubbs.
Junction City	Boyle	985	37	40.1	— 5 7	65	14	20	5	34	4.40	—0.72	1.00	....	11	....	....	....	....	..... Anderson.
Lancaster	Garrard	1032	5	....	....	....	....	....	....	....	3 98	.....	1.77	....	11	....	....	....	....	H. H. Willis.
Leitchfield	Grayson	635	35	40.6	— 5 9	61	24	24	5	25	4.05	—0.63	0.88	1.0	13	6	10	15	nw.	U. S. Weather Bureau
Lexington	Fayette	980	47	37.8	— 5.9	62	14	21	10	28	3 19	1.13	1 16	3.9	11	5	8	18	w.	Horace Center.
Scott Beckman, Lock 8	Jessamine	723	29	....	....	....	....	....	....	....	3 72	—0 11	1.30	1.0	10	....	....	....	....	Frank Litch.
Lockport, Lock 2	Henry	456	24	....	....	....	....	....	....	....	2.37	—1.71	0.85	1.5	8	....	....	....	....	....
Louisville	Jefferson	525	58	40.1	— 5 3	65	14	27	11	22	2 81	—1 56	1 03	2.4	9	5	7	19	n.	C. S. Weather Bureau
Munfordville	Hart	600	8	....	....	....	....	....	....	....	4.12	.....	1.45	0 6	9	....	....	....	....	A. G. Hubbard.
St. Joan	Hardin	777	35	40.8	— 4.7	62	23	22	6	33	2.46	—2 53	0 96	2.0	6	18	6	7	....	Snyders of Lagetto.
Salvisa, Lock 6	Mercer	490	17	....	....	....	....	....	....	....	4.05	+0 57	1.50	3 0	9	....	....	....	....	Ernest M. Searcy.
Scott's	Kenton	960	33	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	C. A. McDonald.
Shepherdsville	Shelby	825	42	39 8	— 5.1	69	14	23	5†	25	3 50	—1 39	0 68	4.0	12	5	6	26	ne.	Miss Ruth Ratta.
Taylorsville	Spencer	489	29	*40.6	— 6.0	65a	14	22a	5	33a	3.23	—1.41	0 70	1 2	12	6	4	21	e.	E. D. Bourne.
Tyrone, Lock 5	Anderson	926	13	....	....	....	....	....	....	....	3.35	0.18	1 26	1.0	10	....	....	....	....	H. K. Vaughn.
Williamstown	Grant	945	28	38 2	6 4	66	14	21	5†	33	3 1	1 25	0.71	5.0	14	9	8	14	e.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	533	14	....	....	....	....	....	....	....	4.62	0.81	1.25	1 4	11	....	....	....	....	H. J. Lewis.
Eastern Division.																				
Angville	Jackson	....	....	....	....	....	....	....	....	....	4 34	.....	1.63	4 2	14	5	7	19	ne.	W. A. Worthington.
Ashland	Boyd	534	14	40.7	— 6.9	66	24	24	3	28	3.24	—0.75	0.64	1.0	18	4	2	23	w.	Jacob Armbruster.
Ashland	Boyd	530	27	40.4	— 6.5	66	24b	19	5†	35	3 9	—1 13	1.16	2 3	16	0	5	26	n.	Robert S. Smallwood.
Beattyville	Lee	1050	27	40.9	— 6.2	65	14	22	5	31	3.72	—0 98	0.79	1.3	14	8	5	18	w.	Chas. C. Graham.
Berea	Madison	691	21	....	....	....	....	....	....	....	3 44	—0 50	1.09	0.5	12	....	....	....	....	Kelly Walden
College Hill, Lock 11	Madison	691	21	....	....	....	....	....	....	....	3.77	—0 50	1.01	T.	11	....	....	....	....	P. H. Kehoe.
Cynthiana	Harrison	684	13	....	....	....	....	....	....	....	3.38	—0.50	1.01	T.	11	....	....	....	....	J. V. Oldham.
Falmouth	Pendleton	660	42	....	....	....	....	....	....	....	2.96	—1.17	0 77	5.2	12	....	....	....	....	Mrs. R. F. Stamper.
Farmers	Rowan	966	25	41.4	— 3.9	65	7†	19	3	39	3.89	—0.55	0.98	....	10	8	3	20	e.	C. A. Glascock
Flemingsburg	Fleming	841	6	....	....	....	....	....	....	....	5.15	.....	1.10	....	12	....	....	....	....	John A. Walters.
Ford, Lock 10*	Clark	593	15	....	....	....	....	....	....	....	3.31	—0.22	1.60	3 0	12	....	....	....	....	Col. Frank Powers.
Grayson	Carter	585	6	....	....	....	....	....	....	....	3.34	.....	0.77	4.0	10	....	....	....	....	T. Mitchell.
Greenup, Dam 30	Greenup	500	11	....	....	....	....	....	....	....	3.16	—0.50	0.73	3 0	17	....	....	....	....	W. W. Dunfield.
Harlan	Harlan	1197	2	38 1	....	63	13	20	11	40	3.88	—0.77	0.77	4 0	14	7	5	19	sw.	Chas. O. Ihrig.
Hazard	Perry	860	7	....	....	....	....	....	....	....	3.70	.....	1.18	2.5	18	....	....	....	....	S. C. Cole.
Hazard	Perry	860	7	....	....	....	....	....	....	....	4.05	—0 19	1 28	....	13	....	....	....	....	R. R Davidson.
Heidelberg, Lock 14	Lee	953	14	....	....	....	....	....	....	....	3.23	.....	0.85	....	14	....	....	....	....	Russian Copley.
Jenkins	Letcher	1306	6	....	....	....	....	....	....	....	2.82	—1.27	0.73	6 4	18	....	....	....	....	Jeanet H. White.
Louisa	Lawrence	584	27	....	....	....	....	....	....	....	4.02	—0.48	1.25	....	10	....	....	....	....	Perry E. Bennett
Morehead	Rowan	....	11	....	....	....	....	....	....	....	3.70	—0.78	0.90	1.5	15	3	7	21	sw.	Matthew Woodson
Mt. Sterling	Montgomery	820	34	40 1	— 4.2	63	23	21	3	29	3 24	—2.34	1.30	1.0	10	5b	20b	4	....	....
Mt. Sterling	Bell	1128	35	*41.4	— 7 1	64b	7	18b	5	35b	2 98	—1.83	0.90	6.5	8	8	2	21	w.	W. B. McKee.
Mount Sterling	Montgomery	820	41	38 8	— 5.2	65	24	18	5	31	2.25	—1.33	0.59	7.0	12	....	....	....	....	Otto Riddle.
Owingsville, Dam 33	Bath	446	9	....	....	....	....	....	....	....	4.18	—0 21	1 25	....	12	....	....	....	....	Robert Bigstaff.
Pineville	Bell	1160	6	....	....	....	....	....	....	....	5.04	.....	1.06	1.0	18	....	....	....	....	F. C. Hall.
Pineville, Dam 42	Bell	636	6	....	....	....	....	....	....	....	5 79	.....	1.52	3.0	15	....	....	....	....	R. W. Jones.
Quicksand	Breathitt	702	5	41 9	....	72	24	19	11	36	5.19	+1 46	1.21	....	13	....	....	....	....	Walter P. Bush.
Riverton, Lock 12	Lee	621	12	....	....	....	....	....	....	....	3 83	—0 42	1.30	....	10	10	0	21	....	J. W. Crooke.
Sassafras	Knott	996	46	41 6	— 5.0	65	18	24	5†	33	4.46	0 58	1.70	4 0	13	....	....	....	....	Chas. Sullivan.
Tallega	Madison	841	18	....	....	....	....	....	....	....	4.49	—0.22	0.82	2.0	15	....	....	....	....	H. M. Prunty.
Tompkinsville, Dam 47	Lewis	595	10	....	....	....	....	....	....	....	3 63	.....	0 85	2 5	13	....	....	....	....	H. M. Brannin.
Wax, Lock 9	Logan	1102	6	....	....	....	....	....	....	....	3 87	—1 10	1.20	6 1	11	7	11	13	....	G. H. Zimmerman.
Williamsburg	Whitley	920	34	42 0	— 2.1	73	24	22	12	31	2 71	—1.45	1 25	0 5	8	....	....	....	....	H. F. Davis.
Wilmore, Lock 13	Lee	911	12	....	....	....	....	....	....	....	3.66	—1.03	2 07	1.9	17	7	7	17	n.	Jessie Hicks.
State average and extremes				41 4	1.9	73	24	18	3†	40										

All temperature data are taken from hourly observations of thermometers.
Precipitation data are normal to temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. Dates of normal temperature and precipitation are Lockport, Owensboro, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Stations in the mountainous section or division meeting.
Records incomplete, and so appearing in the table indicate number of days missing; for example, b represents two days, etc.
Records or dates in question. Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.
Not enough data. Locks 5, Lawrenceburg, Ky.; 1 Locks 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

Floods.—There was a moderate-size flood stream toward the end of the month. It commenced about 4 p.m. 24th and culminated by the 30th in the Licking, Kentucky, Big Sandy and Upper Cumberland.

Errata for February, 1931.

Bowling Green, days partly cloudy 9; cloudy 7.
Mt. Sterling, mean maximum temperature 49.4; minimum 27.8; monthly mean 38.6; departure from normal +4.4.

Daily Precipitation for March, 1931.

Stations		Day of month.																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																	
Beaver Dam	G	.30					.80	1.10	.1									.10	.10		.05				.60							.9	3.44
Calhoun	G	.18					.75	1.90	.08	T.							T.		.18			.05	.05		.55							.26	4.00
Farmington	G	.05	T.				.75	1.05	.10	T.									.18				.05		.55							.26	4.24
Fords Ferry, Dam 50	O	.60	T.		T.		.60	1.58	.80	.05					T.				.03			.08	.04		.60				1.00	.24		.10	4.00
Greenville	G	.28					.70	1.27	.05	.02										.09	T.	.10			.75	T.							3.77
Hendersonville	C	.10					.75	.91	.14			T.							.13	.02		.05			.02								3.12
Lawrenceville	M			T.				2.05	.05										.17	T.		.05	.02						1.40	.3			4.02
Marvel	O							1.05	.10													.09							.60				3.47
Mayfield	M						1.05	.80	.4																				.20				2.49
Maxey	T						.50	.70																					.10				1.30
Owensboro	O						.51	.81	T.										T.			.21					T.	1.20					2.33
Owensboro, Dam 46	O	.27					.43	1.61	.07										.22			.07						.05	.02			.54	4.48
Owensboro, Dam 46	O	.50	T.		T.		.65	1.28	.70	.02												.22	T.	.03		.02	.02		.10	.6	T.	1	5.63
Paducah ¶	O	.18					1.10	1.18	.05															.03					.10				3.04
Padukah	O	.42						1.10	.50	.10												.08							1.40	.04			4.34
Princeton	G		T.				.78	1.05	.10											T.			.08		.03								3.47
Ramsey, Lock No. 2	G	.70					.04	2.04	.42	T.				T.		T.		.07				.14							1.30	T.		.25	8.49
Russellville	G	.74					.57	.58	.25	.08									.12				.06						.27	.77			4.47
Uniontown, Dam 49	O	.48	T.				.08	2.03	.12	.08									.68				.06		.12				.42	.30			4.19
																			.13		T.	.02			.05	T.			.03	.01	T.		2.33
Central Division																																	
Addison, Dam 45	O	.43	T.		T.	.01	.05	1.24	.03	.02										.25		T.	T.		.11	.07			.21	.87	.03			3.06
Anchorage	O	.40			T.		.52	.75	.02								T.	T.							.11				.21	.57				3.29
Bardstown	S	.50					.70	.40	.15	.10									.14						.18				1.05				.10	2.87
Bowling Green	G	.23					.95	.62	.07	.06									.05	.10		.15			.20				1.00	.58			.04	3.64
Bowling Green, No. 2	G	.55					.21	.88	.51	.15									.01	.16		.05	.02			.12			1.40	.45			.09	3.99
Brownsville, Lock No. 6	G	.18	.87	.47	.11															.08			.02		.10				.30	.30				2.98
Burnside	C	.56	T.		T.		T.	.74	.36	.23										.21			.15		T.	T.			.42	.58				3.89
Catlettsburg (Lock No. 1)	K	.55						.18	.48	.08										.12				.18	T.	.22	T.			.30	.78	T.		T.	4.51
Cecil Spring, Dam 36	O	.18	T.			.01	T.	.18	.25	.45	.06	.01					.05			.17					.03				1.15					2.17
Dix Dam, Burgin	K	.10				.16	.40	.50												.14					.13	.04	.02	T.		.08	T.			2.11
Eminark	C				T.			.60	.57										.12			.10		.22	T.	.24	1.18					.41	2.64
Frankfort	K	.75			T.	T.	.19	.72	.28	11	T.						T.	T.							.11				.21		.23	.57			3.29
Franklin	O	.38					.05	.70	1.00																	.10	.07	.03	1.1	1.05				3.33
Gest, Lock No. 3	K	.74				T.	.10	.30	.28	.12									.09						.08				1.2	.05		.25		2.60
Grant, Dam 38	O	.25	T.			T.	.18	.30	.30	.03	T.				T.		.01	T.		.14					.04	.10	.02	.25	.86		.01			2.36
Greensburg	G	.34			.02		.55	.20	.05								.01	T.		.06	T.				.13	T.	.01	.03	.92	T.				2.21
Hath Bridge, Lock No. 7	K	.72	.08				.10	.54	.28	.02										.09		.01	.05		.18	.01		1.0	1.05		.2	.20		4.46
Hodgenville	O	.32					.3	1.60	.22											.16					.12	.02	2.31	.21						5.56
Lancaster	K	.60	.10			.01	.50	.25	.33	.05				T.			T.	T.		.19					.12	.23	.05		1.50	.95			.15	5.49
Leitchfield	G	.90						.28	.42	.12										.07					.11	.58			2.1	.77				3.98
Lexington ***	K	.10					.48	.85	.21	.03					T.					.15	.10				.01	.10	.02		.88	.72		.10		3.65
Little Blackmon, Lock No. 8	K	.74				T.	.50	.35	.25	T.			T.	T.	T.	T.				.16					.04	.64		.22	.64		1.16	.35	T.		.08	5.19
Lockport, Lock No. 2	K						.05	.42	.42	.04						T.									.05			.12		T.	.28	1.30				3.72
Louisville ***	O	T.			T.	.14	.56	.37	.07											.14	T.		T.						.10		.15	.5		.20	2.37
Madisonville	S	.70					.70	.36	.11	T.						T.	T.		.18			T.			.02	.01	T.	.02	.23	T.		.20	2.83
Mt. Sterling	S	.35			.02	T.	.08	.14	.08	.05	T.									.10					.07			.16		.42	1.45				4.12
Nassau Lock No 6	K	.80	T.			T.	T.	.82	.30	.15							T.			.25						T.			.52	.95	1		.27	5.46
Scott	L																																
Smithville	S	.65				.01		.51	.68	.32																							
Taylorsville	S	.07			.02			.50	.35								T.	.01		.14									.07		.56	.49			1.58
Tyrone, Lock No. 5	K	.03				T.		.57	.37	.06								.04		.14	T.		T.		.05	.01			.70	.30			.01	2.26
Uniontown	L	.45			.02	.01	.05	.75	.30	.10										.16					.05	.09	.18		.26				.05	3.35
Woodbury, Lock No. 4	L	.60			T.		.25	1.22	.42	.08										.01	.11				.15	.07			.67	.35			.05	3.13
Eastern Division																					.15				.04				.03	T.				4.48
Annville	C	.52	.02			T.		.47	.48	.14	.02							.02		.15					.30				.01	.10	1.03	.11			3.54
Ashland	O	.51	.06			.04	.13	.26	.64	.10	.02						.21	.02	T.	.08					.13	.01		.09	.17	.04		.57	.25			3.24
Beattyville	K	.58	.02			T.		.47	.49	.10	.04		T.				.13	.03	T.	.16					.28	T.		.13	.07	.02	.14	1.35	.12			3.95
Berea	K	.25			.01		.40	.30	.02	.20						.03				.08					.35			.27	.04		.07			.24	3.75
College Hill, Lock No. 11	K	.55	.05			.01	.05	.46	.42	.02	T.			T.			.10	T.		.12	T.				.20			.27	T.	.45	T.	1.20		T.		3.64
Cynthiana	L	.50	T.	T.			.66	.51	.67	.20	T.						.02	T.		.14								.12	.10	T.	1.21	.71				3.77
Falmouth	K	.68			T.	T.	.22	.37	.48	.10	T.						.01			.16								.05	.05	.01	.6	.77				2.96
Flemingsburg	L	.52				T.	.01	.74	.14											.34					.17			.02	.06		.2	.06			2.36
Ford, Lock No. 10	K	.70	.03			T.	.11	.46	.40	.05	T.			T.	T.	.02	T.			.14	T.	T.		T.	.20	T.	T.	T.	.12	.9	T.	T.		4.75
Grayson	O	.25						.51	.41	.36										.21					.21						.77	.03			3.34
Greenup, Dam 30	O	.73	.06			.02	.04	.24	.48	.10	T.									.02					T.	.03	.01	.25	.08	T.	.18	.21			3.16
Harlan	C	.40	.01		T.			.10	.65	.15							.07	T.		.12					.55		.25		.02	.2	.77	.36	.02		3.88
Jeffersonville, Lock No. 14	K	.40	.10			.04		.20	.28	.18	.04						.02	.02	.03	T.	.02				.08	.05	.14	.05	T.	.20	1.18	.30			8.70
Jenkins	K	.60	.06					.40	.56	.06	.01						.11			.18					.28			.11	.04	T.	1.25	.25			4.05
Morisa	K	.20				.11																			.11	.04	T.	.20	1.25	.25				3.15
Manchester	B	.59	.05	.06			.04	.29	.73	.12	.02		.01		.12	.02	.02			.25	.50	.15	.02	.12		.04	.85	.10		.57	.30	.25			3.25
Maysville	K	.50						.36	.59	.22					.12	.16	.04	.02		.05		.30	.13				.13	.19							2.80
Millersboro	O	.80	.02		T.		.16	.34	.58	.10	T.									.17		.41			.25			.22	1.25	.07				4.42
Mount Sterling	L	.20						.02	.05											.18					.29	.11	.04	.01	.50	.00				3.50
Pocahontas Dam 35	O	T.		T.			.59	.30	.40	.10					.32					.18		.56			.28				1.20			.07		3.74
Pineville	O	.21	T.		T.	.04	.16	.46	.42	.11	.01	T.	T.								T.	.04			.65				.40	.40				3.38
Prestonsburg	B	.45	.15			T.		.23	.49	.06	T.	T.					.16			.05		.05	.20	T.		.01	.04	T.	T.	.55	T.	T.			2.25
Quicksand	B	.48	.09				.05		.10	.51	.11	.05								.05		.05	.20	T.		T.			1.15	.26	.32				4.18
Ravenna, Lock No. 12	K	.62	.18			T.		.60	.29	.50	.25						.27			.36		.76	.64	.05	.11	.04	.14	1.6	.45					5.44
Richmond	K	.58	.12		T.	T.	T.	.26	.42	.16	T.						1.16			.14	T.		.40	T.	.07	.05	T.		1.21	.11				5.79
Silver View, Lock No. 9	K	.75						.50	.49	.10										.10			.10		.35	.03		.20	1.00					5.10
Spencerburg Dam No. 32	O	.05			.10	.35	.45	.65	.12								.02			.15			.18		.37	.02	.12	1.50						3.85
Stanton	K	.88	.03		T.		.86	.52	.58	.10	.03						.08			.20	T.				.18			.02	.12	1.50					4.40
Williamsburg	C	.76	.10			.07		.18	.33	.24	.03			T.								.76			.12	.29	.15	.10	.80	.14				4.40
Willow, Lock No. 13	K	.30				.08		.21	.44	T.	.07						.11			.17		.62			.15			.15	.85	.27		.02		3.68
					.35		.10			.08					.05							.25		.25			.11	1.25					3.27

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Daily Temperatures for March, 1931.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	48	48	47	44	50	47	55	44	42	49	59	54	66	64	56	55	58	50	49	52	62	68	63	63	53	55	56	55	45	56	53	53.5
	Minimum	40	28	24	23	23	37	36	29	29	27	25	29	36	52	46	46	51	54	48	48	52	61	64	60	52	55	55	55	44	54	51	50.5
Calhoun	Maximum	47	47	43	40	48	47	54	46	41	47	49	51	57	63	56	46	51	54	48	48	51	60	64	62	55	57	58	58	46	53	51	52.9
	Minimum	30	29	26	30	26	38	36	34	26	29	28	26	37	52	39	34	29	35	36	29	46	42	34	45	39	32	44	40	34	31	39	34.6
Earlington	Maximum	46	48	43	40	52	48	54	53	40	45	49	52	67	64	56	46	51	54	48	48	51	60	64	62	55	57	58	58	46	53	51	51.1
	Minimum	39	30	30	30	23	37	35	29	30	27	25	24	28	37	36	35	26	32	39	28	46	42	34	45	39	32	44	40	34	31	39	34.6
Greenville	Maximum	47	44	42	40	50	46	54	37	41	45	48	53	67	65	59	44	51	55	48	48	51	60	64	62	55	57	58	58	46	53	51	51.1
	Minimum	38	29	21	28	21	35	35	28	28	26	25	25	31	52	34	33	26	30	34	26	38	42	27	49	33	30	43	38	38	33	31	32.9
Hopkinsville	Maximum	48	50	44	43	55	52	58	48	45	49	53	57	67	68	62	46	55	59	52	50	52	60	64	63	56	57	59	58	45	56	53	53.7
	Minimum	38	32	24	31	25	39	35	29	29	26	28	27	37	53	37	34	26	34	36	29	40	42	32	49	39	35	45	39	35	32	31	33.8
Lovelaceville	Maximum	49	46	45	44	56	55	59	55	44	52	58	58	65	64	60	46	55	55	55	46	49	60	63	61	57	59	60	58	46	57	56	55.6
	Minimum	37	30	22	24	29	41	35	28	31	25	30	29	37	47	34	35	24	38	34	31	41	42	29	46	38	38	34	36	35	38	33	32.4
Marion	Maximum	54	46	44	45	51	51	63	60	47	51	57	61	68	64	56	43	52	59	52	52	59	64	62	62	55	57	58	58	46	57	54	54.7
	Minimum	37	28	27	27	27	30	33	29	29	27	27	27	36	48	35	32	29	32	35	28	39	39	32	45	36	33	43	39	34	42	33	33.7
Mayfield	Maximum	52	50	43	44	55	54	56	54	50	50	52	52	67	63	60	52	54	53	48	49	59	64	62	62	55	57	58	58	46	57	53	53.7
	Minimum	36	30	25	28	29	43	35	28	30	26	30	27	36	53	35	40	27	36	35	30	39	42	33	46	35	36	43	41	42	43	38	32.2
Murray	Maximum	48	47	42	45	58	57	58	57	45	50	58	57	67	68	62	46	55	59	52	50	52	60	62	64	58	58	55	57	46	57	53	53.7
	Minimum	38	27	22	24	24	40	30	28	30	26	27	29	30	48	34	32	23	30	33	30	39	42	26	46	34	33	45	35	33	27	33	32.2
Owensboro	Maximum	46	44	40	38	49	44	51	45	37	44	46	48	66	60	45	42	51	52	47	47	50	58	62	62	54	55	57	58	44	54	51	49.8
	Minimum	35	27	25	28	28	35	34	25	28	26	25	26	36	50	32	33	22	27	34	33	34	37	31	44	35	41	39	36	34	31	37	32.4
Paducah (Weather Bureau)	Maximum	46	43	42	40	53	50	58	52	41	48	50	52	63	60	55	43	53	57	50	49	52	60	63	62	54	55	57	57	46	55	53	53.3
	Minimum	36	28	24	29	28	39	32	27	29	26	28	24	36	47	36	33	27	37	34	29	40	41	38	44	36	33	43	39	34	30	38	31.6
Princeton	Maximum	47	46	43	40	53	49	53	54	43	48	51	53	67	63	53	45	53	54	49	50	49	60	64	61	54	57	55	54	47	54	49	51.5
	Minimum	38	29	28	30	24	40	34	28	30	28	27	29	37	52	38	34	24	36	35	35	42	43	40	48	39	33	43	39	34	30	38	34.1
Russellville§§	Maximum	43	41	41	40	52	52	53	51	43	47	49	52	68	62	47	43	52	57	42	46	50	59	65	64	51	57	56	44	44	51	48	51.3
	Minimum	39	32	22	27	21	38	39	28	26	26	24	25	31	38	39	33	24	29	30	25	31	42	31	49	37	29	39	40	33	28	33	31.6
Central Division.																																	
Ancmoral	Maximum	45	45	45	38	46	40	45	36	35	42	41	49	54	64	56	41	48	54	45	55	55	57	63	57	45	52	55	54	41	50	45	48.3
	Minimum	38	21	18	20	19	31	33	28	25	25	18	18	28	38	35	31	21	28	35	35	36	41	28	44	35	40	49	33	32	27	33	30.2
Bardstown	Maximum	47	46	42	39	51	44	53	49	37	45	47	52	62	66	56	44	51	56	49	56	60	66	68	64	54	58	61	60	48	56	52	52.9
	Minimum	37	26	21	29	20	33	36	28	24	26	22	20	29	45	37	34	24	30	37	34	37	39	33	49	36	33	45	39	34	32	36	31.8
Bowling Green	Maximum	46	46	47	42	56	48	57	58	42	49	51	52	66	63	59	46	51	54	48	48	51	60	64	62	55	57	58	58	46	53	51	52.9
	Minimum	41	32	26	32	25	37	38	30	23	28	28	25	36	50	40	32	28	29	37	30	38	40	33	49	35	32	45	39	34	30	38	34.1
Dix Dam	Maximum	48	44	43	38	48	41	57	50	35	42	41	50	57	65	61	42	48	58	53	46	57	63	65	63	53	59	58	58	42	54	46	50.9
	Minimum	37	29	21	32	24	34	36	30	30	26	24	27	29	45	37	31	26	27	35	34	36	42	33	47	35	35	53	39	37	33	34	33.6
Eubank	Maximum	46	46	42	39	52	43	46	44	35	43	41	48	61	65	54	42	46	51	53	48	52	59	64	62	54	56	57	57	43	52	48	50.4
	Minimum	36	32	22	26	18	33	35	25	26	22	18	20	25	48	37	33	24	24	33	32	30	38	32	47	36	33	45	39	34	32	36	31.8
Frankfort	Maximum	50	46	43	40	45	46	50	40	35	40	43	54	66	61	54	43	53	57	51	51	57	62	63	63	55	57	58	58	46	54	51	52.6
	Minimum	37	27	24	32	24	28	35	29	29	27	28	26	29	41	37	34	28	29	37	34	37	39	33	49	36	32	44	39	34	32	36	32.8
Franklin	Maximum	47	48	44	42	51	48	53	37	42	48	52	52	68	65	58	45	54	60	50	47	52	61	64	64	56	58	59	58	46	55	51	53.5
	Minimum	40	33	25	31	24	38	37	28	23	27	27	27	34	52	40	37	36	36	37	29	39	40	34	50	35	32	45	39	34	32	36	33.8
Greensburg	Maximum	48	46	46	40	49	46	55	41	38	48	48	52	64	65	58	46	50	59	50	50	54	61	64	63	55	57	58	58	46	55	52	52.9
	Minimum	40	29	21	30	19	33	37	27	28	27	22	24	29	39	30	30	27	26	33	33	35	41	29	50	33	29	42	38	32	32	34	32.2
Irvington	Maximum	46	45	41	39	48	47	51	45	35	43	49	50	62	62	55	43	52	55	47	46	51	57	61	61	53	55	56	56	44	52	49	50.1
	Minimum	37	28	24	31	25	34	35	23	29	27	26	24	34	51	38	35	29	35	35	32	37	44	34	46	36	32	50	42	36	32	36	33.6
Lexington	Maximum	47	45	44	39	48	46	54	54	36	43	43	52	50	65	57	41	48	58	55	45	54	60	62	62	55	57	58	58	46	54	51	52.6
	Minimum	37	27	21	30	20	32	36	26	25	25	24	23	28	41	35	32	23	28	36	28	36	38	30	46	36	32	44	40	34	32	36	32.8
London	Maximum	46	44	41	37	45	44	51	50	36	40	43	47	60	60	54	43	44	49	45	41	50	55	58	61	51	55	56	56	44	52	49	50.1
	Minimum	34	30	25	28	28	32	30	28	25	27	25	26	36	48	36	33	27	31	30	28	32	35	31	37	32	32	42	38	32	30	34	32.2
Lovelaceville	Maximum	49	46	45	44	56	55	59	55	44	52	58	58	65	64	60	46	55	55	55	46	49	60	63	61	57	59	60	58	46	57	56	55.6
	Minimum	37	30	22	24	29	41	35	28	31	25	30	29	37	47	34	35	24	38	34	31	41	42	29	46	38	38	34	36	35	38	33	32.4
Marion	Maximum	54	46	44	45	51	51	63	60	47	51	57	61	68	64	56	43	52	59	52	52	59	64	62	62	55	57	58	58	46	57	54	54.7
	Minimum	37	28	27	27	27	30	33	29	29	27	27	27	36	48	35	32	29	32	35	28	39	39	32	45	36	33	43	39	34	42	33	33.7
Mayfield	Maximum	52	50	43	44	55	54	56	54	50	50	52	52	67	63	60	52	54	53	48	49	59	64	62	62	55	57	58	58	46	57	53	53.7
	Minimum	36	30	25	28	29	43	35	28	30	26	30	27	36	53	35	40	27	36	35	30	39	42	33	46	35	36	43	41	42	43	38	32.2
Murray	Maximum	48	47	42	45	58	57	58	57	45	50	58	57	67	68	62	46	55	59	52	50	52	60	62	64	58	58	55	57	46	57	53	53.7
	Minimum	38	27	22	24	24	40	30	28	30	26	27	29	30	48	34	32	23	30	33	30	39	42	26	46	34	33	45	35	33	27	33	32.2
Owensboro	Maximum	46	44	40	38	49	44	51	45	37	44	46	48	66	60	45	42	51	52	47	47	50	58	62	62	54	55	57	58	44	54	51	49.8
	Minimum	35	27	25	28	28	35	34	25	28	26	25	26	36	50	32	33	22	27	34	33	34	37	31	44	35	41	39	36	34	31	37	32.4
Paducah (Weather Bureau)	Maximum	46	43	42	40	53	50	58	52	41	48	50	52	63	60	55	43	53	57	50	49	52	60	63	62	54	55	57	57	46	55	53	53.3
	Minimum	36	28	24	29	28	39	32	27	29	26	28	24	36	47	36	33	27	37	34	29	40	41	38	44	36	33	43	39	34	30	38	31.6
Princeton	Maximum	47	46	43	40	53	49	53	54	43	48	51	53	67	63	53	45	53	54	49	50	49	60	64	61	54	57	55	54	47	54	49	51.5
	Minimum	38	29	28	30	24	40	34	28	30	28	27	29	37	52	38	34	24	36	35	35	42	43	40	48	39	33	43	39	34	30	38	34.1
Russellville§§	Maximum	43	41	41	40	52	52	53	51	43	47	49	52	68	62	47	43	52	57	42	46	50	59	65	64	51	57	56	44	44	51	48	51.3
	Minimum	39	32	22	27	21	38	39	28	26	26	24	25	31	38	39	33	24	29	30	25	31	42	31	49	37	29	39	40	33	28	33	31.6

§§Instruments as read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

W E O Louisville 4-7-31 250

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
VOL. XXXVI LOUISVILLE, KY., APRIL, 1931 No. 4

GENERAL SUMMARY.

The temperature averaged near normal, yet there was much decidedly cool weather. Killing frosts occurred generally on the 7th and at most central and eastern stations on the 27th or 28th. Due to the delayed growth of tender vegetation, these frosts caused little damage. All grains, and such grasses as were not weakened by last year's drought, made normal progress; but crops requiring steady warmth were retarded at times and remained a week or two behind the season. Tobacco plants came up late, with germination seriously delayed by cold weather, and failed to make seasonal growth. Cutworm activity, favored by this type of weather, caused damage to truck fields and also to very early corn. The period of warm weather in the second and third weeks, and the excellent condition of the soil, inclined farmers to the early planting of corn, therefore the work advanced much more rapidly than usual in the southern counties and was more than half completed in some localities. A fair beginning was made in northern districts. Conditions favorable for rapid and complete germination during this warm period brought up considerable corn to good stands. The cool weather later on delayed germination and discouraged further planting. The heavy growth of rye and bluegrass soon met the needs of livestock.

Heavy rains in the first week caused deeper saturation of soil than at any time for more than a year. This was evidenced by standing water on plowed fields and a heavy run-off that raised streams. Until this rain the top soil had contained little excess moisture at any time. A decade with frequent showers after the middle of the month supplied additional moisture that was needed on uplands. In the western region of heavier soils fields remained too wet to be worked for several days. Because farm work was so far advanced interference by the showers was not serious. Tree fruits set an exceptionally heavy crop, which was not injured by the frosts. Small fruits showed the weakening effect of last years drought in their small and relatively feeble plants.

TEMPERATURE.

The State average temperature, determined from the records of 42 stations, was 55.9°, which is practically normal. Subnormal temperatures prevailed in the first week, but deficiencies were much greater in the last decade when freezing temperatures were registered at most stations. In the period 13-20th daily average temperatures 5° to 15° above normal were the rule. Extremes were 89° at Franklin, Hopkinsville, and Marion on the 15th or 16th; and 25° at Williamstown on the 2d and at Farmers on the 7th.

PRECIPITATION.

Reports from 83 stations gave a State average of 5.32 inches, which is 0.49 inch above normal. This is the first month with a precipitaton excess for the State since February, 1930. Light to heavy showers occurred in the periods 1st-4th; 10-11th; 16th-22d, and 25th-26th. The rains were generally heavy on 2d. In the eastern counties and some parts of the Central ... amounts ranged from 3.0 to 6.5 inches. Most of the western ... the State received 4.5 to 6.0 inches. In the central ... 6 and 4.0 inches. From this district, there was a ... The range for the State was between 2.01 ... above 10.00. Rains with thunderstorms were ...

THE LIBRARY OF THE
JUN 1931
UNIVERSITY OF ILLINOIS

PRESSURE AND WIND.

Stations	Atmospheric Pressure (Readings reduced to sea level) Average	Highest	Date	Lowest	Date	Wind Movement Total	Average hourly	Direction of Prevailing Wind	Number of Days with Maximum Velocity 25 miles per hour or more	Number of Days with Maximum Velocity 50 miles per hour or more
Cairo ..... Ill.	29.67	30.40	22	28.58	7	3245	7	SW	1	0
Cincinnati ..... Ohio	29.60	30.36	12	29.39	1	4365	9	SW	3	0
Evansville ..... Ind.	29.66	30.42	12	28.76	1	5417	7	S	4	0
Lexington ..... Ky.	29.62	30.39	12	29.30	7	7740	11	S	3	0
Louisville ..... Ky.	29.62	30.34	12	29.14	1	6085	8	S	3	0

Highest wind velocity recorded ... Direction ... Date ... 1931.

HUMIDITY AND SUNSHINE.

	Relative Humidity 7 a. m.	Noon.	7 p. m.	Total hours Sunshine	No. of days Partly cloudy	Percentage of possible Sunshine	Number of days with .01 inch or more precipitation	Number of days Clear.	Number of days Cloudy.
Cairo ..... Ill.	82	56	57	280.3	258.8	74	12	5	14
Cincinnati ..... Ohio.	74	51	56	295.6	276.1	72	19	3	13
Evansville ..... Ind.	80	56	57	254.6	226.1	63	15	3	14
Lexington ..... Ky.	75	50	55	260.6	236.1	75	14	3	13
Louisville ..... Ky.	78	61	62	261.7	236.1	64	11	3	14

COMPARATIVE DATA FOR APRIL.

Year	Temperature: Monthly average	Departure from 46-year normal	Highest	Lowest	Precipitation: Monthly average	Departure from 46-year normal	No. of days with .01 inch or more	Average Number of Days: Clear.	Partly Cloudy.	Cloudy.	Average Snowfall
Mean	56.0	.....	98	13	4.63	.....	19	13	7	10	0.2
1889	57.0	+ 1.0	89	24	1.61	−2.42	.	.	.	.	.
1890	57.0	+ 1.0	92	28	4.01	+0.01	.	.	.	.	.
1891	58.0	+ 2.0	92	24	2.52	−1.51	.	.	.	.	.
1892	56.0	0.0	88	22	7.12	+3.09	.	.	.	.	.
1893	58.0	+ 2.0	91	21	6.99	+2.96	.	.	.	.	.
1894	56.0	0.0	94	26	3.54	−0.49	.	.	.	.	.
1895	57.2	+ 1.2	94	32	3.18	−0.85	9	13	8	9	.
1896	54.8	− 1.2	90	24	1.65	−2.38	6	13	12	5	.
1897	56.0	0.0	89	26	6.03	+2.00	11	11	9	10	1.0
1898	52.4	− 3.6	89	20	2.78	−1.25	9	12	8	10	1.1
1899	57.2	+ 1.2	96	26	3.16	−0.87	9	13	3	9	0.3
1900	56.2	+ 0.2	90	15	2.15	−1.88	8	14	5	8	T
1901	50.9	− 5.1	91	23	4.61	−0.02	10	11	5	14	2.8
1902	54.2	− 1.8	93	32	2.65	−1.98	9	14	9	7	0.1
1903	55.4	− 0.6	86	32	4.63	+0.40	12	10	5	13	T
1904	50.8	− 5.2	85	16	2.83	−1.40	11	10	5	13	1.7
1905	56.7	+ 0.7	91	23	3.00	−1.63	9	12	5	13	0.2
1906	59.5	+ 3.5	94	38	1.40	−2.63	6	17	7	6	0.0
1907	48.2	− 7.8	87	19	2.78	−1.25	11	10	5	15	6.2
1908	58.8	+ 2.8	94	31	6.56	+2.53	14	12	5	12	0.8
1909	56.1	+ 0.1	96	24	5.08	+1.05	10	14	5	9	T
1910	55.4	− 0.6	88	33	5.14	+1.11	14	12	6	12	0.7
1911	53.8	− 2.2	93	29	7.06	+3.03	14	11	5	14	T
1912	58.4	+ 2.4	87	33	7.30	+3.87	12	11	7	12	T
1913	56.3	+ 0.7	88	32	2.92	−1.30	10	14	7	9	T
1914	55.7	− 0.3	91	33	4.02	−0.41	10	11	8	11	T
1915	60.1	+ 4.1	96	37	6.95	+3.07	5	17	5	8	0.0
1916	54.0	− 2.0	93	31	3.24	−1.57	9	11	5	14	1.3
1917	55.8	− 0.2	96	32	5.02	+0.99	8	14	3	9	0.3
1918	54.8	− 1.2	90	33	4.07	+0.04	12	8	8	14	0.3
1919	56.7	+ 0.7	93	19	3.51	−0.52	9	13	7	10	0.0
1920	58.8	+ 2.8	96	32	6.16	+2.13	13	9	7	14	0.2
1921	58.2	+ 2.2	93	32	4.69	+0.06	10	15	7	8	T
1922	58.5	+ 2.5	95	34	4.25	−0.38	10	14	8	8	0.0
1923	54.8	− 1.2	90	27	4.85	+0.22	9	15	6	9	0.6
1924	57.5	+ 1.5	93	19	5.31	+0.68	15	13	7	10	0.7
1925	61.2	+ 5.2	98	36	3.16	−1.47	10	13	7	9	0.0
1926	51.6	− 4.4	93	26	3.17	−1.46	13	9	7	14	T
1927	58.5	+ 2.5	92	32	6.63	+2.00	15	11	8	11	0.6
1928	56.0	0.0	94	31	4.01	−0.62	11	14	4	12	T
1929	55.1	− 0.9	96	33	3.57	−1.06	11	14	4	12	0.6
1930	58.0	+ 2.0	94	21	1.21	−3.42	6	16	5	9	0.0
1931	55.9	− 0.1	89	25	4.52	+0.09	13	8	9	9	0.1

Climatological Data for April, 1931.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy		
Western Division.																				
Beaver Dam	Ohio	441	27	57.7	+ 1.8	87	14[a]	30	2[a]	40	4.43	+0.31	1.50	0	11	21	0	9	w.	
Calhoun	McLean	437	27	57.8	− 0.6	86	16	35	1[a]	33	3.78	−0.84	0.92	T.	11	5	19	6	ne.	Mrs. Lena F Taylor.
Earlington	Hopkins	420	41	57.4	+ 0.1	85	16[a]	30	7	38	4.09	−0.27	2.10	0	11	18	3	9	n.	W. A. Taylor.
Fords Ferry, Dam 50	Crittenden	356	2								3.31		1.05	0	10					Brick Southworth.
Greenville	Muhlenburg	519	14	[a]56.1	− 1.8	84[b]	16	29[a]	7	39[a]	4.52	−0.35	1.92	0	9	17	11	2	s.	W. D. Butcher.
Henderson	Henderson	382	17			86[c]	16	34[c]	27	32[c]			0.76	0		8	5	17	se.	Richard Stites
Hopkinsville	Christian	524	35	58.2	+ 0.9	89	16	29	2	41	2.91	−1.42	1.11	0	7	8	5	17	se.	W. E. Graves.
Lovelaceville	Ballard		2	57.8		86	16	29	2	41	4.12		1.82	0	5	13	10	7	s.	Blaine Malone.
Marion	Crittenden	571	35	58.0	+ 0.4	89	18	31	2†	37	4.17	−0.28	2.49	0	4	18	5	7	w.	B. C. Faris.
Mayfield	Graves	364	22	[b]58.2	+ 0.3	[b]85	15	34[b]	22†	35[b]	3.60	−0.90	1.10	0	6	18	7	5	nw.	Mrs. C. R. Sowell.
Murray	Calloway	412	5	57.0		87	16	28	2	44	3.05		1.06	0	5	11	10	9	s.	Harry B. Arnold
Owensboro	Daviess	479	34	55.2	− 0.8	84	16	30	2	36	3.70	−0.36	0.91	0	11	15	4	11	s	Henry S. Berry.
Owensboro, Dam 46	Daviess	401	3								3.14		0.86	0	14					George McGlemary.
Paducah (near)	McCracken	316	14	56.2	− 2.0	84	16	34	21	33	5.79	+0.21	2.40	0	7	20	4	6	se.	J. W. Lilley
Paducah	McCracken	341	42								5.21	+0.60	1.97	0	7					Frank L. Brown.
Princeton	Caldwell	529	24	57.5	− 0.6	87	16	30	2	39	3.47	−0.53	1.04	0	9	13	8	9	s.	Dr. W. L. Cash.
Rumsey, Lock 2	McLean	384	14								4.09	−0.52	1.66	0	10					Thos. L. Wetzell.
Russellville	Logan	566	20	[a]55.2	− 2.8	84[b]	17	30[a]	3†	33[a]	3.70	−1.13	1.53	0	4	20	0	10	n.	Wm. Shelton.
Uniontown, Dam 49	Union	357	3								3.80		1.80	0	9					Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	352	3								3.89		1.04	0	13					C. L. Moore.
Anchorage	Jefferson	700	30	[a]52.8	− 1.1	85[b]	16	24[a]	2	34[b]	4.59	+0.67	1.15	0	10	20	3	7	e	C. E. Barret.
Bardstown	Nelson	637	34	55.4	+ 0.8	86	16	28	7	37	4.71	+0.73	1.64	0	7	18	9	3	e.	Mrs. Emily T. Sisco.
Beechburg	Warren	560	42	59.3	+ 1.0	88	15†	32	27	40	3.85	−0.60	1.63	0	6	14	11	5	s.	Mrs. Lillie G Causey
Bowling Green	Warren	542	6								3.86		1.70	0	6					T. Rone
Bowling Green, No. 2	Warren	542	6								3.89	−1.13	1.51	0	6					Virgil M. Whalin.
Greenville, Lock 6	Lebanonon	416	14								4.18	+0.03	1.78	0	6					T. A. Lewis
Burnside	Pulaski	773	40								5.29	+1.63	1.36	0	8					Shelby Angel.
Carrollton, Lock 1	Carroll	422	32								5.08		1.45	T.	9					Reuben Hartley.
Cold Spring, Dam 38	Campbell	489	5								4.64		2.20	0	7	17	6	7	sw.	C. W. Williams.
Dix Dam, Burgin	Mercer	770	7	56.0		84	19	33	2†	34	5.11	+1.21	1.88	0	8	5	5	17	n.	Mrs. Katie Payne.
Eubank	Pulaski	1177	37	55.7	+ 1.4	85	15†	28	27	38	4.16	+0.30	1.56	T.	7	16	5	9	w.	Sidney Wood.
Frankfort	Franklin	560	39	55.2	− 0.6	86	19	30	23†	44	3.10	−1.28	1.05	0	7	20	8	2	n.	M. E. Johnson.
Franklin	Simpson	691	36	59.0	− 0.2	89	16	33	23	37	4.47	+0.52	1.76	0	11					Louis Shiddell.
Gest, Lock 3	Henry	419	20								3.40		1.00	0	12					H. W. Sprague.
Grant, Dam 38	Boone	780	6								4.45	+0.52	1.89	0	7	4	1	25	n.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	661	38	56.0	+ 0.8	85	19	28	7	39	4.81	+1.05	2.20	0	9					Miss Ruby L. Stapson.
High Bridge, Lock 7	Jessamine	550	29								2.95	−1.13	0.79	T.	9	12	9	9	sw.	W. J. Piggott.
Irvington	Breckinridge	646	34	56.4	+ 0.5	82	19	33	7†	31	6.49	+2.55	1.26	0	9	12	12	6	sw.	Caroline Grubbs.
Junction City	Boyle	885	37	54.8		82	16†	29	23	30	4.81		2.07	0	7					——Anderson.
Lancaster	Garrard	1032	5								3.55	0.58	1.80	0	8	11	12	7	s.	H. H. Willis.
Leitchfield	Grayson	685	38	56.0	+ 0.4	85	19	32	2	33	4.36	+0.86	1.61	0.2	9	16	6	8	sw.	U. S. Weather Bureau
Lexington	Fayette	989	47	54.0	− 0.3	81	19	30	2	28	4.60	+1.01	1.80	0	6					Horace Canter.
Little Hickman, Lock 8	Jessamine	523	20								5.06	+0.94	1.52	T.	10					Frank Litch.
Lockport, Lock 1	Henry	476	21								3.87	−0.01	1.10	T.	12	10	9	11	n.	U. S. Weather Bureau
Louisville	Jefferson	525	58	56.0	− 0.4	82	16	33	1	28	3.80		1.50	0	6					A. G. Hubbard.
Muldraugh's	Hart	600	8								4.98	+0.77	1.39	T.	10	20	2	8		Sisters of Loretto
St. John	Hardin	777	35	55.2	+ 0.6	83	16	29	2	37	5.00	+1.58	1.50	0	6					Ernest M. Searcy.
Salvisa, Lock 6	Mercer	490	17																	C. B. McDonald.
Scott	Kenton	960	33								3.28	−0.56	1.97	0.4	16	16	2	12	s.	Miss Ruth Ratta.
Shelbyville	Shelby	825	43	54.8	+ 0.1	83	14	30	2	33	4.10	−0.27	1.21	T.	10	14	9	7	w.	E. D. Bourne.
Taylorsville	Spencer	486	25	54.9	+ 0.4	81	15†	28	7†	40	4.05	0.39	1.78	0	6					H. R. Vaughn.
Tyrone, Lock 5	Anderson	526	13								5.20	+1.96	1.60	0.5	12	21	1	8	e.	Miss Nettie B. Simpson.
Williamstown	Grant	943	28	54.4	+ 1.6	86	16[a]	25	2	40	4.13	−0.49	1.48	0	8					H. J. Lewis.
Woodberry, Lock 4	Butler	533	14																	
Eastern Division.																				
Annville	Jackson										5.25		1.77	T	7	13	6	11	sw.	W. A. Worthington.
Ashland	Boyd	534	14	51.6	− 1.2	83	19	32	27†	40	5.27	+1.94	2.20	X	8	14	7	9	n.	Jacob Armbruster.
Beattyville	Lee	650	27	51.4	− 0.1	86	9	29	7	43	4.88	+0.78	1.62	1.0	8	9	12	9	n.	Robert S. Smallwood
Berea	Madison	1070	26	55.4	− 0.4	83	19	31	23	32	4.13	+0.56	2.10	0	7					Chas. C. Graham.
Cedar Hill, Lock 11	Madison	601	21								5.44	+0.68	1.68	T	7					Kelly Walden
Cynthiana	Harrison	681	13								5.23	+1.61	1.75	T.	9					D. H. Rebee.
Edmonton	Pendleton	620	42								4.49	+0.50	1.51	0	6	14	3	13	e.	J. V. Oldham.
Flemingsburg	Fleming	668	23	53.8	− 0.9	82	15†	25	7	45	5.05		2.11	0	9					Mrs. R. F. Stamper
Fleming, Lock 14	Fleming	841	6								4.11	+0.61	1.59	0	7					C. A. Glascock
Ford, Lock 10	Clark	563	15								5.06	+1.64	2.25	0	7					John A. Walters.
Grayson	Carter	589	6								5.73	+2.04	1.78	0	10					Col. Frank Powers.
Greenup, Dam 30	Greenup	540	11								5.96		2.35	0.5	10	14	7	9	sw.	Dr. Mitchell.
Harlan	Harlan	1197	3	51.9		82	15	32	21	40	5.28		2.49	0	10					W. W. Bulfield.
Hazard	Perry	899	7								5.11	+2.25	1.63	1.0	6					Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	664	14								5.04		1.57	0	12					S. C. Cole.
Jenkins	Letcher	1305	6								6.07	+2.76	2.26	0	9					E. R Davidson.
Louisa	Lawrence	581	27								4.11	+0.56	1.85	0	7					Cassian Copley.
Manchester	Clay		11								5.81	+2.40	2.10	0	10	14	6	10	sw.	Garnett H. White.
Maysville	Mason	504	34	54.6	− 0.1	84	19	28	7	41	4.05	+0.06	2.52	0	11	12°	4°			Perry E. Bennett
Middlesboro	Bell	1128	35	55.6	− 1.0	87	14	32	23	48	5.55	+1.66	2.00	0	9	17	4	9	w.	Matthew Woodson.
Mount Sterling	Montgomery	909	41	52.9	− 0.9	82	13†	26	7†	42	5.75	+1.66	2.00	0	9					W. R. McKee.
Oneonta, Dam 35	Campbell	497	9								5.26	+1.03	1.96	1.0	10					Otto Riddle.
Pikeville	Pike	626	25								4.10	+0.52	1.66	0	9					Robert Repass
Pinnacle	Floyd	646	6								5.59		2.53	0	9					C. C. Hall.
Quicksand	Breathitt	792	5	55.2		85[a]	19	30[a]	23†	45[a]	6.47		2.50	0	6					R. W. Jones.
Riverton, Lock 12	Estill	661	12								4.70	+1.41	2.60	0	8					Walter P. Bush.
Rockhouse	Marshall	456	40	55.6	− 0.3	[a]2*	16†	32	2	30	4	+0.84	1.90	0	6	22	0	8		W. Crooke.
Sanders	Marshall	501	28								4.59	+0.67	2.10	0	8					Thos. Sullivan.
Tarr, Lock 9	Shelby	525	16								4.94	+1.26	1.50	0	10					H. M. Faulin.
Tarr, Dam 32	Jessamine	525	16								5.23		2.60	0	12					C. H. Zimmerman.
Vanceburg	Lewis	1132	6								5.23	+0.71	2.50	0	8	20	7	3		H. E. Davis.
Versailles	Woodford	959	34	57.2	− 0.7	87	16	30	1	41	3.20	+0.42	1.80	0	4					Jessie Hicks.
Wallace, Lock 13	Estill	611	12								4.72	+0.49	2.90	0.1	8	15	6	9	s.	
State or district averages				55.2	− 0.1	[a]9	16†	25	2†	48	4.72	+0.49	2.90	0.1	8	15	6	9	s.	

[a] Records for less than normal number of years. [b] Records for more than one month. [c] Records for more than two months.

Precipitation data are computed only for such stations as have ten or more years of record, but all complete reports are used in the averaging section or division averages. Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Subscript letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. T. Precipitation is less than 0.01 inch rain or melted snow. (Long Dash)

* Also on other dates. † Received too late to be included in means and summaries.

* Postal or addresses—Lock 2, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 7, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

MISELLANEOUS.

April 16 a boy and two mules were killed when lightning struck a barn near Hopkinsville. A farmer and his team were killed by lightning in a field near Danville.

Floods.—The heavy rains of the 22d caused sharp rises in the Big Sandy, Licking, and Kentucky rivers. The rise in that district was larger than from any single rainfall for more than a year. The Ohio rose moderately at this time.

Errata for March, 1931.

Flemingsburg, page 10, total precipitation should be 4.68; page 11, .47 on 31st should be omitted, and total should be 4.68

Daily Precipitation for April, 1931.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Western Division																															
Beaver Dam	G.	.40	.15		.13					.30	.40						.14			.02	.46	.56		.65	1.40						
Calhoun	G.	.44	T.	.81	.16					.37		T.				T.		T.	.51	.75	.16			.47							
Carlinton	G.	.36	.06	.02	.30					.31	.26								.03	.37	.27		.65	2.10							
Ford's Ferry, Dam 50	O.	.24	.02	T.	.15					.30	.27						T.	T.	T.	1.06											
Greenville	G.	.73	1.	.10	.09					.78							T.		.16	.50	.27			1.2							
Henderson	O.									.50							T.			.73			.46	.60							
Hopkinsville	C.	.20	T.		.23					.01	.42									.18	.71			1.41							
Lewisburg	M.			.17						1.60																					
Marion	O.			.25						.80										1.82				1.62							
Maxwold	M.				.30					.90									.30	1.10			2.30								
Murray	T.									.80										.65											
Owensboro	O.	.25	.03	T.	.26		T.			.12	.81			.07		T.			.15	.30	.52		T.	T.	1.06			1.	T.		
Owensboro, Dam 46	O.	.32	.06		.24	.01				.14	.27			.17			.02		.17	.35	.44		.66	.81							
Paducah (near) *	O.	.10		.15						1.60										2.40											
Paducah	O.	.16		T.	.10					1.05	.20		T.						T.	1.75				.05	1.41			.08			
Princeton	G.	.17	T.	.25	.02					.82		T.		T.		T.		T.	T.	1.44		.03		.65	1.03						
Shawnee, Lock No. 2	O.	.41	.06		.47					.32	.26								.24	.36	.76		.18	1.42							
Russellville	L.					.67					.55										1.63										
Uniontown, Dam 49	O.	.16	T.	T.	.45					.45	.08		.02							1.35	.67		.05	.7	.72						
Central Division																															
Addison, Dam 45	O.	.37	.08	.01	.58					.14	.36				T.		.02			.43	1.04	.61	.65	.01	.83	T.						
Anchorage	O.	.22		1.15	T.					.41			.09						.50	.79	.28		.08	.65	.70						
Bardstown	S.	.61	.22		.23						.36										1.48		.16	1.64							
Bowling Green	G.	.52	.12		.10						.38					T.				T.	1.63			1.10							
Bowling Green, No. 2	G.	.46	.08		.10						.33										1.70			1.40							
Brownsville, Lock No. 6	G.	.53	.14		.21						.27										1.61			1.40							
Burnside	C.	.54	.12		.43						.75					T.				T.	1.78			T.							
Carrollton (Lock No. 1)	K.	.21	.43	1.10	1.38						.84										1.04										
Cold Spring, Dam 56	O.	.18	.02	.09	1.28						.18					T.	.61			.71	1.45		T.	T.	.52						
Dix Dam, Burgin	K.	.33		.08						.80							.05		.71	1.45		T.	T.	.52						
Eubank	C.	.45	.21		.28						.79				.07		.03		.03	2.20		T.		1.17							
Frankfort	K.	.43	.34		.83						.15									.44	1.38			1.04							
Franklin	S.	.23	.05														T.			T.	1.56		.45	T.	.80						
Gest, Lock No. 3	K.	.20	.38	.11	1.29					.47							.26		.15	.45	1.05				.65						
Grant, Dam 35	O.	.20	.45	.06	1.03						.12									.03	1.28		.08	.01	.50						
Greensburg	G.	.31	.15	.03	.03					.02	.16						.08	.05		.16	.77		.01	T.	.42						
Hays Bridge, Lock No. 7	K.	.38	.57		.16					T.	.86										1.59			T.	1.15						
Irvington	O.	.47		.22	.19						.60									.02	.06	2.20		.02	1.50						
Junction City	K.	.62	.79		.43	T.				.28			.06			T.			T.	.79	.18		.02	T.	.74			T.			
Lancaster	K.	.26	.03		.01					.80	.88								.10	.80	1.26			T.	1.13						
Louisville	G.	.50		.10	.12					.95										.68	2.07				1.08						
Lexington ***	K.	.39	T.		.34					.25										.93	.32		.08	T.	1.20			T.			
Leslie Buckman, Lock No. 8	K.	.33	.26		.03					.57							T.		.39	1.26	.36	T.	.65	.16	.58						
Lockport, Lock No. 2	K.	.33	.26		.03						.88									1.15	1.80				1.15						
Louisville ***	O.	.28	.82	1.50						.12							.22		.82	1.52		.00	.07	.65							
Munfordville	G.	.46	T.	1.10						.49									T.	1.78		.10	T.	T.	1.04						
Mt. John	S.	.56	.18		.03						.40						.18	.02	.13	.67	.04		.08	.35	.18						
Nelson, Lock No 6	K.	1.15	.25	T.	.40					.03	.20										1.60				1.08						
Scott	L.	.30	.20		.30						.55						.02			.23	1.20		.08		1.39						
Saulsbyville	S.	.39	.46	.01	1.27					.19									.15	T.	1.80		T.		1.50						
Taylorsville	S.	.64	.08	.18	.25					.23										.01			.06	.02	.70						
Tyrone, Lock No. 5	K.	.58		.50						.25						T.	.14			.01			.06	.02	.89						
Williamstown	L.	.24	.72	.54	1.33						.15									1.21	.51		.06	.02	.89						
Woodbury, Lock No. 4	G.	.47	.06		.19						.38					T.	.18		T.	1.78		.10	T.	T.	1.04						
Eastern Division																.09			.05	.42	1.41				1.48						
Annville	C.	.47	.15		.95						.96									.13	1.77				.82						
Ashland	O.	.72	.35	T.	.27						.48						.08			2.20	.18		T.	T.	1.01						
Beattyville	K.	.40	.30	T.	.58					1.32							T.			.02	1.62	T.		.02	.82	T.					
Berea	K.	.25	.68		.05						.79				.07				.01	.70	1.18			.02	.76						
College Hill, Lock No. 11	K.	.30	.20		.03						.55						T.			.05	2.10		T.		.95						
Cynthiana	L.	.48	.40		1.35						.25								.20	T.	1.68		.04		.60						
Falmouth	L.	.28	.62	.24	1.62						.14						T.		T.	.04	1.75		T.	.01	.53						
Farmers	L.	.31	.34		.13						.95										.96				1.51						
Fleminsburg	L.	.47	.22	.14	1.42						.49								.17		2.11	.07			.76						
Ford, Lock No. 10	K.	.21	.12		.14						.76									T.	1.89		.03	T.	1.18	T.					
Grayson	O.	.65	.19		.17							.52								.07	2.26				1.15						
Greenup, Dam 30	O.	.76	.34	.01	1.39						.52								.05		1.78	.26		.03	.63	.42					
Harlan	C.	.40	.22		.40		.20				1.12				.08				.10		2.85			.47	.62						
Harrod	K.	.45	.22		.17		.21	.02			.78									.55	2.40			.10	.40						
Heidelberg, Lock No. 14	K.	.47	.28		.65	T.					1.09										1.63				.99						
Jenkins	K.	.43	.02	.27	.20	.38	.32			.03							.23				1.57	.10		.28	.56						
Louisa	B.	.50	.14		.29	T.					.51								1.00		2.36	.14		.08	.05						
Manchester	K.	.40	.25								.99								.02		1.85			.06	.58						
Maysville	O.	.31	.15	.02	2.00						.50								.14		1.92	.18	T.	T.	.36						
Middlesboro	C.	.10		.10	.25		.13			.20	.60								.24	.04	2.52		.18		.02						
Mount Sterling	L.	.30	.30	T.	.16						.76									.10	2.06	.03	.05	T.	1.05						
Owenton Dam 35	O.	.21	.60	.18	1.60						.10			.01		T.	.12			.03	1.96		T.	T.	.45						
Pikeville	B.	.50	.25		.36		.25	.38			.55						T.			T.	1.06	.25		T.	.50						
Prestonsburg	B.	.60	.28		.02		.18	.06			.50						T.			T.	2.58	.29			.58						
Quicksand	K.		.45		.06					1.60									.06		2.00	T.			.80						
Ravenna, Lock No. 12	K.	.18	.15	.12						1.07										.06	2.00	.12			.80	T.					
Richmond	K.	.20	.20		.01					1.10											1.90			1.10							
Valley View, Lock No. 9	K.	.30		.01						.85							.02			2.10		.02		1.20	.02						
Zanesburg, Dam No. 32	O.	.52	.30	T.	.20						.68				.02	T.	.07			.47	1.90	.05			.77						
Whitesburg	K.	.42	.15	.42		.43	.20	.10			1.60					T.	.08				2.00	.07	.12		.28						
Williamsburg	C.	.55	.15		.15		.12				.85						.07				2.50				.60						
Willow, Lock No. 13	K.		.25		.25															1.50	T.			.80	T.					

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

†Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi. ¶Lone Oak

Daily Temperatures for April, 1931.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	46	61	67	56	69	61	70	82	78	78	75	79	84	87	84	87	77	83	87	86	76	53	59	58	62	63	54	67	78	72	..	71.0
	Minimum	35	30	52	43	35	33	30	50	51	52	37	32	46	50	49	54	54	53	51	04	47	36	32	44	48	37	31	32	48	51	..	41.4
Calhoun	Maximum	47	61	67	57	69	66	68	79	75	68	75	77	80	84	82	80	77	80	85	75	68	53	56	55	61	60	56	68	79	70	..	69.2
	Minimum	35	35	52	43	38	37	35	54	54	51	42	38	51	56	52	51	57	58	65	63	47	36	35	44	49	47	36	36	50	50	..	46.5
Earlington	Maximum	48	68	70	54	58	58	68	80	76	69	74	78	82	82	82	83	75	78	80	86	69	52	56	57	63	56	58	68	79	74	..	69.5
	Minimum	37	32	53	49	36	31	30	55	50	52	37	33	49	49	48	52	55	54	50	64	48	37	33	41	50	47	32	33	51	51	..	48.2
Greenville	Maximum	48	61	66	56	67	56	68	78	74	69	73	75	..	81	80	83	75	76	83	78	69	53	56	55	62	66	58	66	77	72	..	*68.1
	Minimum	35	30	53	43	37	36	29	55	55	50	36	43	..	48	51	52	55	53	50	61	46	34	31	43	48	46	30	32	49	52	..	*44.1
Henderson	Maximum	..	..	..	..	..	..	..	79	75	65	74	77	81	83	82	86	76	80	85	75	68	54	56	56	58	57	57	67	78	68	.....	.....
	Minimum	..	..	..	..	..	..	..	64	51	49	43	50	51	55	51	56	55	48	55	62	46	37	36	43	48	45	34	37	52	48	.....	.....
Hopkinsville	Maximum	51	63	68	56	59	61	72	84	72	69	76	78	85	84	86	89	77	86	87	80	72	58	61	57	66	60	63	70	81	73	..	71.4
	Minimum	37	29	55	46	37	36	31	51	52	52	37	43	42	56	53	55	55	52	61	46	34	32	36	43	44	40	47	31	35	42	54	45.1
Lovelaceville	Maximum	52	66	69	56	58	58	72	78	76	70	70	78	81	85	82	86	80	83	76	71	57	56	59	63	61	61	68	78	77	..	..	70.1
	Minimum	38	29	54	44	34	36	31	49	46	49	45	49	47	58	52	55	56	51	62	44	37	33	44	51	47	45	32	33	47	48	..	45.4
Marion	Maximum	47	60	68	66	65	68	77	71	69	67	65	77	78	80	78	81	80	76	79	80	72	68	70	73	55	54	60	68	76	71	..	68.9
	Minimum	34	31	50	48	38	40	51	55	47	49	45	44	50	58	54	55	57	52	57	62	44	04	45	42	37	46	35	37	48	53	..	47.6
Mayfield	Maximum	50	64	70	64	60	57	70	76	76	70	72	78	84	82	85	84	81	..	82	78	68	54	56	59	..	66	57	67	76	72	..	*70.4
	Minimum	38	35	52	48	37	36	35	50	53	48	44	50	55	50	55	64	56	..	51	60	44	34	35	43	..	46	34	39	47	51	..	*45.9
Murray	Maximum	56	67	71	64	60	61	72	80	72	68	72	80	83	84	86	87	76	80	84	75	72	56	60	61	67	63	64	68	78	69	..	70.9
	Minimum	37	28	52	50	35	36	29	51	45	51	35	42	46	56	48	54	51	48	50	61	44	31	32	40	47	37	31	33	48	53	..	43.0
Owensboro	Maximum	47	59	65	61	58	58	68	78	74	64	74	78	80	80	79	81	75	79	83	81	71	55	55	54	55	58	56	65	69	65	..	67.0
	Minimum	34	30	48	42	37	35	32	43	47	49	34	43	42	53	48	53	56	45	51	60	43	35	33	42	47	45	32	33	47	48	..	43.3
Paducah Cesar	Maximum	49	58	66	54	55	56	68	75	72	67	75	77	78	81	80	81	78	81	80	72	68	54	54	56	62	56	58	65	76	67	..	67.2
	Minimum	36	34	50	44	34	35	31	52	45	48	35	52	55	56	52	55	56	53	61	48	34	34	34	39	44	41	34	36	49	50	..	43.2
Princeton	Maximum	50	62	71	66	58	58	71	79	75	66	71	78	81	81	83	85	78	83	82	76	68	55	52	62	65	58	61	67	77	70	..	69.5
	Minimum	36	30	51	48	36	38	32	52	50	50	41	49	53	62	55	59	61	53	62	47	33	34	41	50	47	34	35	44	55	..	..	*37.2
Russellville	Maximum	51	64	72	65	58	58	72	80	76	68	72	76	82	82	86	84	78	81	84	76	69	51	56	58	60	57	58	63	66	..	..	*65.5
	Minimum	35	31	..	50	39	37	32	51	49	60	38	41	48	57	53	51	51	50	50	54	50	35	31	31	47	47	30	32	38	50	..	*43.4
Central Division.																																	
Anchorage	Maximum	10	58	64	54	59	57	62	69	76	68	71	76	80	81	82	80	77	..	..	75	67	51	61	62	58	54	54	64	75	67	..	*65.1
	Minimum	32	28	47	36	33	32	28	39	47	43	36	41	42	51	52	57	44	..	..	57	46	38	29	42	45	43	38	30	29	40	42	*40.6
Bardstown	Maximum	48	63	67	57	68	66	65	80	79	69	75	77	83	85	83	85	72	81	86	83	71	55	54	55	60	58	57	66	78	73	..	69.3
	Minimum	37	29	50	42	31	34	28	49	48	54	38	44	46	52	49	50	50	51	56	50	39	32	33	44	47	40	30	30	51	45	..	43.5
Bowling Green	Maximum	44	63	71	63	55	59	70	83	80	70	77	81	84	85	88	88	79	84	86	86	69	55	60	58	62	63	60	70	81	75	..	71.9
	Minimum	36	33	53	45	40	37	35	51	50	54	37	45	53	56	55	53	54	56	55	62	37	40	33	45	48	47	34	36	49	52	..	46.1
Brandenburg	Maximum	43	60	67	66	56	58	68	78	74	64	71	76	80	78	82	81	75	78	84	82	73	53	52	55	70	57	54	62	73	72	..	69.7
	Minimum	34	33	43	43	33	33	30	45	50	53	38	42	46	45	62	49	50	51	50	65	51	39	35	43	45	47	34	35	49	44	..	44.6
Elizabeth	Maximum	41	60	61	54	53	52	62	79	79	67	71	77	81	83	85	82	73	75	85	82	72	60	63	53	57	58	59	67	69	67	..	67.9
	Minimum	31	30	48	40	33	36	30	44	47	55	36	39	43	45	51	48	51	55	51	58	50	44	36	37	41	45	28	25	47	41	..	42.7
Frankfort	Maximum	45	57	68	58	55	55	66	75	78	76	74	77	83	84	86	84	77	80	84	84	71	54	56	57	60	57	55	66	75	69	..	68.4
	Minimum	35	32	47	43	33	37	32	42	46	55	37	39	48	46	56	51	49	44	57	59	39	30	43	44	46	34	30	30	51	45	..	42.0
Franklin	Maximum	44	64	67	66	55	59	70	77	77	67	74	80	82	85	85	89	77	81	89	78	78	76	68	58	68	65	62	67	80	78	..	71.9
	Minimum	36	37	53	45	41	36	35	51	52	51	39	48	51	53	55	53	54	56	55	62	37	40	33	45	48	47	34	36	49	52	..	46.1
Greensburg	Maximum	45	62	68	56	57	56	65	79	79	71	73	77	81	84	83	84	76	81	85	80	70	54	58	59	64	60	60	66	78	73	..	69.7
	Minimum	35	31	50	42	33	35	28	44	48	52	36	40	42	48	50	48	50	52	52	57	45	47	40	32	43	45	47	30	31	44	..	42.2
Irvington	Maximum	41	59	62	56	55	56	64	76	75	65	73	77	79	81	83	84	77	79	83	81	72	57	56	56	60	58	56	64	74	71	..	66.8
	Minimum	35	33	55	43	38	36	33	51	53	52	41	43	54	56	53	52	55	56	53	53	47	39	36	44	48	46	36	36	53	48	..	45.9
Lancaster	Maximum	47	59	63	61	58	53	62	75	78	72	75	74	79	81	81	82	71	76	82	80	72	52	53	54	60	58	54	65	75	68	..	67.8
	Minimum	34	32	45	40	36	31	30	40	44	52	35	34	43	46	48	48	52	50	47	46	47	36	29	41	41	38	35	30	51	46	..	40.6
Lawrenceburg	Maximum	41	54	67	54	52	52	61	73	73	70	71	76	82	86	83	82	76	74	85	75	66	55	51	55	60	58	54	65	75	70	..	66.6
	Minimum	31	33	47	43	37	34	33	49	55	53	37	40	51	55	54	54	57	55	62	51	46	37	33	43	46	45	34	35	49	48	..	46.4
Lebanon	Maximum	43	59	62	56	56	56	64	76	74	65	73	77	79	81	83	84	76	80	85	80	70	54	58	59	64	60	60	66	78	73	..	67.2
	Minimum	30	30	52	47	32	30	28	50	50	50	36	40	42	48	50	48	50	52	52	55	47	40	32	43	45	47	30	31	44	43	..	42.2
Lexington	Maximum	45	59	62	56	55	56	64	76	75	65	73	77	79	81	83	84	77	79	83	81	72	57	56	56	60	58	56	64	74	71	..	66.8
	Minimum	34	33	55	43	38	36	33	51	53	52	41	43	54	56	53	52	55	56	53	53	47	39	36	44	48	46	36	36	53	48	..	45.9
Louisville	Maximum	47	59	63	61	58	53	62	75	78	72	75	74	79	81	81	82	71	76	82	80	72	52	53	54	60	58	54	65	75	68	..	67.8
	Minimum	33	34	44	42	39	37	35	51	50	50	45	50	53	56	57	55	57	58	58	61	42	42	35	41	42	42	35	35	53	44	..	46.6
Shelbyville	Maximum	43	60	63	61	58	53	62	75	78	72	75	74	79	81	81	82	71	76	82	80	72	52	53	54	60	58	54	65	75	68	..	67.8
	Minimum	33	34	44	42	39	37	35	51	50	50	45	50	53	56	57	55	57	58	58	61	42	42	35	41	42	42	35	35	53	44	..	46.6
St. John	Maximum	39	58	67	55	55	55	65	79	74	69	70	81	86	81	81	83	75	78	85	82	66	46	47	49	52	53	49	58	65	67	..	67.7
	Minimum	34	29	51	41	35	34	32	46	46	46	37	41	45	50	50	53	52	49	48	56	46	37	32	42	43	43	32	31	49	43	..	42.8
Scott	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Smiths Mills	Maximum	47	57	62	60	51	53	60	75	74	65	73	76	80	84	80	82	71	75	82	80	71	52	53	57	56	54	64	72	66	..	..	66.2
	Minimum	33	30	46	44	35	34	31	44	49	52	40	45	48	53	50	53	57	55	54	58	47	38	31	42	41	45	33	31	49	41	..	43.8
Taylorsville	Maximum	46	55	65	57	55	52	61	73	78	73	73	77	81	84	84	84	74	77	84	81	71	52	52	54	59	57	54	63	73	68	..	67.1
	Minimum	35	31	47	42	33	32	27	38	39	49	33	40	43	47	45	49	46	46	50	56	39	31	34	45	47	45	31	31	49	43	..	42.7
W H Smithtown	Maximum	44	58	66	54	57	55	66	79	79	70	71	78	83	84	84	85	78	80	83	85	70	51	52	55	57	55	51	64	69	70	..	67.0
	Minimum	33	25	40	39	34	32	30	39	51	50	40	43	46	51	50	50	46	45	50	59	36	32	29	42	43	31	30	29	39	..	..	41.9
Eastern Division.																																	
Ashland	Maximum	45	57	70	51	54	48	57	79	81	78	70	70	81	83	79	82	79	74	83	81	70	60	53	57	62	61	49	63	67	68	..	67.3
	Minimum	34	34	49	42	35	41	33	51	44	46	39	38	40	47	50	45	49	50	44	55	43	36	37	40	47	48	32	32	52	36	..	41.8
Beattyville	Maximum	41	60	65	55	53	59	68	78	76	68	70	76	81	84	84	84	77	80	84	84	71	56	56	58	62	59	56	66	74	72	..	68.0
	Minimum	32	32	44	40	35	40	29	35	45	47	34	37	..	45	49	47	46	48	50	52	39	32	33	42	45	43	32	32	48	40	..	40.9
Berea	Maximum	40	58	66	54	54	64	69	77	78	73	69	74	78	79	80	81	71	72	83	76	75	59	56	54	62	61	52	61	72	68	..	67.1
	Minimum	30	33	47	41	35	36	36	46	47	49	40	42	47	50	51	50	51	50	51	55	47	36	37	37	41	42	45	32	38	36	45	*39.7
Boston	Maximum	32	32	47	41	35	36	36	46	47	49	40	42	47	50	51	50	51	50	51	55	47	36	37	37	41	42	45	32	38	36	45	40.9
	Minimum	43	58	67	57	54	59	69	78	81	77	76	74	79	81	82	81	77	78	78	80	78	60	56	58	60	60	51	61	70	72	..	68.8
Farmers	Maximum	43	60	67	49	46	48	56	75	70	70	65	76	80	80	82	80	66	69	68	69	59	59	58	60	46	49	39	28	40	56	..	61.0
	Minimum	34	33	38	41	30	36	35	39	42	42	37	37	36	37	44	42	45	40	41	58	53	30	26	35	42	46	29	28	36	38	..	39.0
Harrodsburg	Maximum	43	60	67	49	46	48	56	75	70	70	65	76	80	80	82	80	66	69	68	69	59	59	58	60	46	49	39	28	40	56	..	61.0
	Minimum	34	33	38	41	30	36	35	39	42	42	37	37	36	37	44	42	45	40	41	58	53	30	26	35	42	46	29	28	36	38	..	39.0
Maysville	Maximum	41	56	66	56	53	54	62	74	78	73	69	75	78	82	80	81	76	78	84	81	77	58	52	55	59	58	53	63	67	67	..	66.4
	Minimum	44	34	49	42	42	42	36	48	51	50	46	49	50	53	52	53	56	54	56	58	54	42	43	44	46	46	32	31	51	34	..	41.6
Middlesboro	Maximum	38	..	32	41	38	33	31	39	38	45	..	55	38	39	45	48	43	54	45	51	..	58	51	45	48	52	34	35	47	48	..	*45.0
	Minimum	30	..	29	35	32	30	30	36	36	36	..	39	36	36	39	41	39	40	39	40	..	39	36	32	36	38	28	28	32	34	..	*34.8
Mount Sterling	Maximum	40	59	66	58	58	58	69	77	76	70	73	77	80	83	84	86	75	79	83	81	72	56	56	58	62	60	56	66	73	71	..	68.0
	Minimum	30	28	40	38	32	32	30	37	46	47	36	40	40	50	50	51	50	49	50	55	45	47	45	48	45	46	36	37	48	48	..	43.2
Owingsville	Maximum	41	54	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	31	33	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Richmond	Maximum	42	60	65	59	57	56	67	75	80	69	73	75	80	80	80	83	75	77	83	82	73	57	60	63	62	63	58	65	73	72	..	69.7
	Minimum	30	32	48	42	36	36	34	44	50	52	47	42	49	50	51	51	52	50	51	54	53	40	36	41	44	45	34	34	54	44	..	45.7
Stanford	Maximum	40	57	68	52	56	58	68	80	79	70	74	78	82	83	84	86	77	80	84	83	73	57	58	60	63	62	58	66	76	72	..	71.6
	Minimum	30	32	48	42	36	36	34	44	50	52	47	42	49	50	51	51	52	50	51	54	53	40	36	41	44	45	34	34	54	44	..	45.7
Williamsburg	Maximum	46	64	70	54	55	59	65	81	80	73	75	80	80	80	83	85	77	81	84	83	76	60	59	60	66	65	60	68	77	74	..	72.9
	Minimum	30	31	52	45	39	38	34	46	52	47	42	40	41	44	56	51	48	56	51	52	50	37	33	43	47	48	31	33	46	41	..	42.9

(Dash) Not read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(Dots) Data not available (estimates I. C. C. rule, days missing from record)

W. B. O. Lesley, S. C. O. [illegible]

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVI LOUISVILLE, KY., MAY, 1924 NO. 5

GENERAL SUMMARY.

Except for two short periods of a few days each in the last half of the month, unseasonably low temperatures predominated and exercised a retarding influence on all vegetation. Light to heavy frosts in eastern districts on the 8th caused some damage to tender vegetables, potatoes, and corn. The persistent coolness of the first two weeks discouraged corn planting and considerably delayed its completion. Although germination was slow, it was more complete than expected on account of the unsaturated condition of the soil. Early corn that had come up in April turned yellow and stood for three weeks or longer almost without growth. With temperatures near normal in the last week, its appearance and condition showed much improvement. The cool weather favored cutworms, which were more numerous than usual, and also prolonged their period of activity by delaying their maturity. Most of the replanting of corn was due to their ravages.

Tobacco transplanting was delayed about two weeks by the slow development of the plants. Cutworms damaged beds in many places. Lack of rain also interfered with setting in the hilly districts. The work was well advanced in the southern counties and had commenced generally in the northern districts by the end of the month. Precipitation was generally deficient, only a few stations reporting the normal amount. Soil moisture was sufficient at all times for the growth of cultivated crops, partly because the low temperature tended to conserve it. Grasses on dry slopes showed the effect of rain shortage. Oats were also delayed by dry weather as well as by low temperature. The weather was mainly favorable to wheat, which continued its excellent progress. The condition of this crop was the best in many years. The fine set of tree fruit developed normally, and small fruits did better than expected; but there were indications that lack of subsoil moisture was affecting growth.

TEMPERATURE.

The average temperature for the State, based on reports from 40 stations was 62.7°, which is 2.6° below normal. In the first half and the period 20-24th daily deficiencies ranged from 5° to 20° on most days. Temperatures 5° to 10° above normal prevailed in the periods 16-18th and 27-29th. Extremes were 97° at Bowling Green on the 29th and 30° at Lone Oak on the 9th.

PRECIPITATION.

A State average of 2.59 inches, obtained from the reports of 82 stations, is 1.41 inches less than normal. Light to moderate showers, generally local in character, occurred in the periods 1st-8d, 5-14th, 20-26th, and 30th-31st. Rainfall was heavy at a few stations on the 9th and 10th. In a broad belt extending from the Purchase through the center of the State to Bracken and Mason counties monthly amounts ranged from one to slightly more than two inches, with the area of lightest rains in the central bluegrass region. Amounts increased northwest and southeast from this district. The region of the heaviest rains was in the southeastern mountains, where from 3.50 to 5.00 inches occurred. The range for the State was between 0.38 inch at Frankfort and 5.06 inches at Burnside. Dates with thunderstorms were 6, 9, 11, 12, 16, 17, 19, 22, 24, 25, 29, 30.

PRESSURE AND WIND.

Stations	Atmospheric Pressure. In inches reduced to sea level. Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Average velocity.	Direction. Prevailing.	Direction. Extreme velocity. Miles per hour.	Direction. Extreme velocity. Date.
Cairo Ill	29.85	30.36	23	29.39	9	5828	7.8	SW.	28	W. 8
Cincinnati ..... Ohio	29.75	30.29	23	29.38	9	4443	6.0	SW.	32	NW. 17
Evansville ..... Ind.	29.95	30.35	23	29.57	9	4295	5.8	SW.	36	S. 17
Lexington ..... Ky.	29.98	30.29	21	29.69	9	8458	11.3	SW.	25	SW. 9
Louisville ..... Ky.	29.96	30.32	23	29.70	9	7616	9.4	SW.	36	W. 19

*For any five minute period. †By Kemp an Anemometer log reading direct in miles.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Rel. Humidity. Noon.	Rel. Humidity. 7 p. m.	Sunshine. Total hours of Sunshine.	Sunshine. No. of hours possible.	Sunshine. Percentage of possible.	Sunshine. Number of days 80 per cent or more.	Sunshine. Number of days 20 per cent or less.
Cairo ..... Ill.	82	61	62	294.1	439.0	67	15	4
Cincinnati ..... Ohio.	75	58	58	290.7	444.6	65	13	4
Evansville ..... Ind.	78	60	59	316.8	441.4	72	12	3
Lexington ..... Ky.	77	62	..	242.3	441.4	55	9	7
Louisville ..... Ky.	76	62	58	246.6	441.4	56	10	7

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Monthly average.	Temperature. Departure from 10-year normal.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Monthly average.	Precipitation. Departure from 10-year normal.	Precipitation. No. of days with .01 in. or more.	Average Number of Day. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
Mean.	65.3	.....	106	27	4.00	.....	10	14	9	8	T.
1889...	63.6	− 1.7	94	28	4.03	+0.03	..	..	..	..	..
1890...	63.9	− 1.4	93	32	4.22	+0.22	..	..	..	..	..
1891...	62.6	− 2.7	90	29	1.78	−2.22	..	..	..	..	..
1892...	64.6	− 0.7	90	36	5.49	+1.49	..	..	..	..	..
1893...	63.2	− 2.1	96	37	5.59	+1.59	..	..	..	..	..
1894...	64.5	− 0.8	99	32	3.54	−0.46	..	..	..	..	..
1895...	63.9	− 1.4	99	29	3.16	−0.84	8	12	10	8	..
1896...	72.2	+ 6.9	106	42	5.34	+1.31	11	14	11	6	..
1897...	61.4	− 3.9	92	32	3.27	−0.73	10	15	9	7	T.
1898...	67.6	+ 2.3	93	31	4.52	+0.52	10	14	11	6	0.2
1899...	68.8	+ 3.5	94	42	4.79	+0.79	11	11	12	8	0
1900...	66.3	+ 1.0	96	29	3.49	−0.51	10	15	8	8	0
1901...	63.7	− 1.6	97	34	2.65	−1.35	10	12	9	10	0
1902...	70.0	+ 4.7	98	35	3.55	−0.45	9	17	9	5	0
1903...	68.0	+ 2.7	98	29	3.09	−0.91	8	15	16	6	0
1904...	65.0	− 0.3	98	33	3.55	−0.95	10	14	9	8	0
1905...	68.0	+ 2.7	95	38	5.23	+1.23	11	12	9	10	0
1906...	69.5	+ 4.2	95	31	2.54	−1.46	9	16	7	8	T.
1907...	61.3	− 4.0	93	30	5.07	+1.07	12	12	7	12	0
1908...	66.7	+ 1.4	96	28	4.34	+0.34	12	13	5	10	0
1909...	63.9	− 1.4	93	27	4.64	+0.64	12	13	7	11	T.
1910...	61.1	− 4.4	89	30	4.81	+0.81	12	13	6	12	0
1911...	69.4	+ 4.1	105	29	2.46	−1.54	5	22	5	4	0
1912...	66.7	+ 1.4	97	37	4.53	+0.53	10	15	6	9	0
1913...	66.1	+ 0.8	99	39	2.92	−1.08	8	16	7	8	0
1914...	66.5	+ 1.2	103	32	2.16	−1.84	5	20	6	5	0
1915...	66.2	− 0.1	95	35	6.62	+2.62	15	9	8	14	0
1916...	67.2	+ 1.9	98	33	4.02	+0.02	9	14	9	8	0
1917...	58.9	− 6.4	92	30	3.43	−0.57	10	12	8	11	0
1918...	69.4	+ 4.1	97	28	4.23	+0.29	8	16	8	7	0
1919...	63.9	− 1.4	95	35	6.05	+2.05	14	9	8	14	0
1920...	64.2	− 1.1	94	32	4.08	+0.08	11	13	7	11	0
1921...	65.9	+ 0.6	97	32	2.45	−1.55	8	16	8	7	0
1922...	67.9	+ 2.6	94	35	3.87	−0.13	10	14	10	7	0
1923...	63.9	− 1.4	91	27	2.93	−0.93	13	11	7	13	T.
1924...	58.9	− 5.4	92	34	5.04	+1.04	14	10	7	12	0
1925...	61.2	− 4.1	88	28	2.61	−1.39	8	16	8	7	T.
1926...	66.2	+ 0.9	101	31	2.36	−1.64	7	17	8	6	0
1927...	65.7	+ 0.4	93	31	7.41	+3.14	16	10	10	11	0
1928...	63.2	− 2.1	84	29	3.55	−0.45	9	16	7	8	0
1929...	64.1	− 1.2	98	32	7.35	+3.35	14	12	8	11	T.
1930...	66.5	+ 1.2	94	33	2.96	−1.04	9	15	8	8	0
1931...	62.7	− 2.6	97	30	2.59	−1.41	11	13	8	10	0

Climatological Data for May, 1931.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	27	63.4	− 2.9	93	29	31	24	45	3.13	−1.10	1.08	0	9	17	2	12	s.	
Calhoun	McLean	437	27																	Mrs. Lena F. Taylor.
Earlington	Hopkins	420	41	64.4	− 2.5	94	27†	33	24	39	2.71	−1.72	1.03	0	12	15	8	8	n.	W. A. Taylor.
Fords Ferry, Dam 50	Crittenden	356	2								3.19		1.43	0	16					Brick Southworth.
Greenville	Muhlenburg	519	14	62.3	− 2.4	93[b]	28	36[b]	24	39[b]	3.01	− 0.91	0.90	0	12	10	18	3	s.	C. D. Hatcher.
Henderson	Henderson	382	17	62.6		90	17	37	7	33	3.24	−0.85	1.19	0	15	12	13	6	ne.	Richard Stites
Hopkinsville	Christian	524	35	64.8	− 2.3	95	28†	39	7*	38	2.11	−2.17	0.51	0	13	9	7	15	se.	W. E. Graves.
Lowhacreville	Ballard	....	2	63.8		94	29	39	24	38	2.01		0.75	0	8	11	14	6	s.	Blaine Malone.
Marion	Crittenden	571	33																	B. C. Paris.
Mayfield	Graves	364	22	64.7	− 1.5	92	27†	39	7	32	2.19	−2.40	0.65	0	5	16	9	6	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	5	64.2		95	28	37	24	41	2.45		0.81	0	6	9	12	10	s.	Harry B. Arnold
Owensboro	Daviess	479	34	61.3	− 4.3	89	17	36	7	33	2.58	−1.18	1.30	0	12	12	6	13	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	3								2.48		1.05	0	15					George McGlemary.
Paducah (near) §	McCracken	516	14	62.0	− 4.6	90	28	30	9	35	2.68	−1.49	0.78	0	10	16	6	9	sw.	J. W. Lilley
Paducah	McCracken	341	42								2.76	−1.24	1.43	0	10					Frank L. Brown.
Princeton	Caldwell	529	24	63.6	− 3.1	92	27†	40	14†	37	2.89	−1.72	1.35	0	12	14	10	7	s.	Dr. W. L. Cash.
Ramsey, Lock 2 ‡	McLean	384	14								2.42	−1.42	0.72	0	12					Thos. L. Wetzell.
Russellville	Logan	580	20	°61.5	− 4.4	93[a]	28†	36	8†	41[a]	2.06	−1.83	0.73	0	15	13	9	9	s	Wm. Shelton.
Uniontown, Dam 49	Union	357	3								2.28		1.08	0	13					Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	352	3								2.76		0.85	0	13					C. L. Moore.
Ancarage	Jefferson	700	30	59.8	− 3.9	88	28	34	3	37	2.46	−1.83	0.77	0	8	19	4	8	se.	C. E. Barret.
Bardstown	Nelson	637	34	63.5	− 2.5	94	29	33	24	41	1.12	−2.52	0.27	0	8	17	7	7	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	42	66.0	− 1.4	97	29	38	8	41	1.14	−2.27	0.20	0	9	17	7	7	w.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	469	6								1.07		0.27	0	9					T. Rone
Brownsville, Lock 6 ‡	Edmonson	410	14								2.14	−3.36	0.36	0	13					Virgil M. Whalin.
Burnside	Pulaski	773	40								5.06	+1.07	1.86	0	17					T. A. Lewis
Carrollton, Lock 1	Carroll	422	32								2.73	−1.38	0.78	0	6					Shelby Angel.
Cold Spring, Dam 36	Campbell	489	5								2.15		0.47	0	12					Reuben Hartley.
Dix Dam, Burgin	Mercer	770	7	63.8		91	28†	36	8	38	1.59		0.41	0	12	13	11	7	s.	C. W. Williams.
Eubank	Pulaski	1177	37	62.6	− 1.4	93	27†	31	24	43	3.45	−0.93	0.88	0	17	12	2	7	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	39	63.6	− 1.6	98	28†	35	8	48	0.38	−3.24	0.20	0	5	14	4	13	s.	Sidney Wood.
Franklin	Simpson	691	36	65.7	− 1.0	95	28	39	8	42	1.78	−2.62	0.55	0	8	22	7	2	s.	M. E. Johnson.
Gest, Lock 3	Henry	449	20								1.44	−2.01	0.40	0	10					Louis Shiddell.
Grant, Dam 38	Boone	780	6								2.93		0.68	0	10					H. W. Sprague.
Greensburg	Green	581	35	63.0	− 1.8	93	29	35	8†	42	2.82	−1.52	0.40	0	15	4	3	24	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	29								0.81	−3.04	0.37	0	10					Miss Ruby L. Simpson.
Irvington	Breckinridge	646	34	62.8	− 3.1	88	17†	39	24	34	2.76	−1.02	0.52	0	11	12	7	12	sw.	W. J. Piggott.
Junction City	Boyle	985	37	62.3	− 2.0	91	29	34	8†	41	3.37	−0.72	1.02	0	12	7	22	2	sw.	Caroline Grubbs.
Lancaster	Garrard	1032	5								2.35		0.60	0	13					..... Anderson.
Leitchfield	Grayson	635	35	62.6	− 2.5	92	29	38	24	36	2.20	−1.90	1.03	0	12	13	10	8	sw.	H. H. Willis.
Lexington	Fayette	989	47	61.2	− 3.1	88	29	30	8	34	1.13	−2.78	0.31	0	9	13	6	12	sw.	U. S. Weather Bureau
Little Beckman, Lock 8 ¶	Jessamine	523	20								1.47	−2.62	0.50	0	8					Horace Conner.
Lockport, Lock 2	Henry	476	21								2.09	−1.51	0.39	0	8					Frank Litch.
Louisville	Jefferson	525	58	62.4	− 4.2	89	29	40	8	32	1.94	−1.78	0.60	0	9	8	9	14	s.	U. S. Weather Bureau.
Munfordville	Hart	690	8								1.74		0.60	0	9					A. G. Hubbard.
St. John	Hardin	777	35	61.8	− 3.0	91	29	34	24	38	1.63	−2.44	0.32	0	12	18	2	11		Sisters of Loretto.
Salvisa, Lock 6 ¶	Mercer	490	17								1.50	−2.11	0.70	0	4					Ernest M. Searcy.
Shelbyville	Shelby	825	42	62.0	− 2.6	91	29	36	8	37	2.01	−2.01	0.42	0	12	13	2	16	s.	C. D. McDonald.
Taylorsville	Spencer	489	29	°62.5	− 2.1	90°	29	35	8	35°	1.29	−2.28	0.37	0	9	18	6	7	s.	Miss Ruth Ratta.
Tyrone, Lock 5 ¶	Anderson	526	13								2.11	−1.50	0.46	0	11					E. D. Bourne.
Williamstown	Grant	943	28	62.4	− 1.2	92	28†	33	8	44	2.01	−1.55	0.48	0	12	18	5	8	s.	H. K. Vaughn.
Woodbury, Lock 4 ‡	Butler	533	14								1.63	−1.81	0.35	0	14					Miss Nettie B. Simpson.
Eastern Division.																				H. J. Lewis.
Annville	Jackson										3.60		0.89	0	18	13	5	13	se.	
Ashland	Boyd	534	14	61.7	− 2.2	93	29	36	24	41	3.82	−0.13	0.60	0	17	13	7	11	w.	W. A. Worthington.
Beattyville	Lee	650	27	61.8	− 2.4	92	29	32	24	42	3.12	−1.05	0.75	0	15	7	8	16	s.	Jacob Armbruster.
Berea	Madison	1070	26	62.8	− 2.4	89	29	38	24†	36	3.71	−0.46	0.92	0	15	13	7	11	w.	Robert S. Smallwood.
College Hill, Lock 11	Madison	601	21								2.44	−1.64	0.40	0	13					Chas. C. Graham.
Cynthiana	Harrison	684	13								1.52	−1.74	0.49	0	9					Kelly Walden
Falmouth	Pendleton	609	42								1.82	−2.24	0.45	0	9					P. H. Kehoe.
Farmers	Rowan	668	23	°62.4	− 0.4	97[b]	30	32[b]	24	41[b]	2.41	−1.42	0.48	0	8	14	10	7	e.	J. V. Oldham.
Flemingsburg	Fleming	841	6								3.14		0.64	0	8					Mrs. R. F. Stamper.
Good, Lock 16 ¶	Clark	593	15								2.81	−0.55	0.58	0	14					C. A. Glascock
Grayson	Carter	589	6								3.21		0.53	0	10					John A. Walters.
Greenup, Dam 30	Greenup	540	11								3.47	−0.11	0.67	0	15					Col. Frank Powers.
Harlan	Harlan	1197	3	59.6		89	29	36	24	32	4.45		0.80	0	16	13	7	11	sw.	T. Mitchell.
Harrodsburg	Mercer	869	7								4.38		0.55	0	15					W. W. Bullfield
Heidelberg, Lock 14	Lee	664	14								2.93	0.85	0.81	0	13					Chas. O. Ihrig.
Jenkins	Letcher	1505	6								5.60		1.57	0	12					S. C. Cole.
Louisa	Lawrence	584	27								3.48	−0.58	0.47	0	15					R. R. Davidson.
Manchester	Clay		11								3.09	+0.19	0.72	0	15					Russian Copley.
Maysville	Mason	524	34	62.2	− 2.4	93	29	34	24	43	2.63	−1.92	0.64	0	9	13		15	e	Jennett H. White.
Middlesboro	Bell	1128	35	°62.9	− 1.6	95[a]	29	34§	8	42[a]	3.74	−0.44	1.04	0	10	15	16	0		Perry E. Bennett
Mount Sterling	Montgomery	930	41	°59.7	− 4.1	92[a]	29	31[a]	8	40[a]	2.74	−1.50	0.68	0	13	14	5	12	w.	Matthew Woodson
Owenton, Dam 35	Campbell	497	9								2.35	−0.88	0.42	0	11					W. R. McKee.
Pikeville	Pike	636	25								3.40	+0.03	0.65	0	12					Otto Riddle.
Prestonsburg	Floyd	646	6								3.16		0.50	0	11					Robert Repass
Quicksand	Breathitt	739	5	62.2		91	18†	36	24	45	4.27		1.10	0	13					F. C. Hall.
Riverside, Lock 12	Estill	631	13								3.31	−0.83	0.74	0	14					R. W. Jones.
Salvisa	Madison	920	40	62.2	− 3.4	90	29	39	8†	37	2.56	−1.18	0.70	0	8	15	0	16		Walter P. Bush.
Valley View, Lock 9	Madison	841	18								2.13	−1.44	0.40	0	11					I. W. Crooke.
Vanceburg, Dam 32	Lewis	525	16								2.71	−0.87	0.47	0	13					Thos. Sullivan.
Wheelersburg	Scioto, O.	1142	6								3.86		0.51	0	13					H. M. Francis.
Williamsburg	Whitley	920	31	65.0	− 0.8	91	29†	36	8†	38	4.36	+0.26	0.85	0	16	17	6	8		C. H. Zimmerman.
Wolford, Lock 13	Lee	611	12								2.17	−1.93	1.10	0	7					H. F. Davis.
State averages and extremes				62.7	− 2.6	97	29†	30	9	48	2.59	−1.41	1.57	0	11	13	8	10	s.	Jessie Hicks.

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. ** Received too late to be included in means and summaries. † Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

‡ Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

¶ Post-office addresses: — Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

RIVERS. — A rise in the upper Ohio at the end of the first week and another near the middle of the month were followed by moderate stages until the close. Tributary streams in the state remained low.

May 12. — Near Glasgow a woman was killed by lightning in a pasture field. At Louisville a residence was fired and a street car was rendered useless when struck by lightning.

Daily Precipitation for May, 1931.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G	.10	1.08				.25					.10	.10							.20											
Cayuga	G																														
Darlington	G	.06	.20																												
Goods Ferry, Dam 50	O	.07	.12				.11	.12		.05	T	.07	.22	T						1.02	T	T	.15		4.	.02						
Hawesville	G						.03	.66		.02		.18	.10	.03	T					.21	.43	.04	.03	.06		.10	.2		T	T		
Henderson	G	.17				T	.17	.02		.15	T	.16	.10							.16	.29		.12			8.					
Hopkinsville	O	.03				.05	.11	.14	.02		.06	.18	.05	.01						.35	1.10		.17								
Lewisburg	C	.03	.19				.11	.15		.06	.04	.11	.06	.27	.03									.11							
Manner	O					.02	.25					.20								.51											
Mayfield	M	.54																		.75			.20			2.					
Murray	T	.81					.81					.10	.09																		
Owensboro	O	.07	.02			.20	.19		T			.33	T							.65											
Owensboro, Dam 46	O	.06	.01				T.	11		T	T.	.13	.25	.06	T			T.		.84											
Paducah (Near) ¶	O	.55					.01	.15		.01		.15	.26	.02	T					1.80		T	.16		2.	.02			.02	.28	
Paducah	O		.03				.02	.26				.15	.10							1.05	T	.01	1.		3.	.02			.01	.01	
Princeton	G	.03	.20				.12	.15												.78	.50		.21		.15						
Ramsey, Lock No. 2	G	.22				.10	.19		T		T.	.34	T	T							1.43	T	T	.14		T	.07		.08	.10	
Russellville	G	.03					.11	.13			T.	.12	.18	.05						.01	1.35	.05		.22		.11					
Scottsville	G	.03	.11				.02	.20		.20	.05	.18	.24	.08								.52			.25	.08			.24	.26	
Shelbyville, Dam 49	O	.04	.02				.07	.09		T		.08	.14	.14	.04							.03			.13		.01		.12	.28	
Central Division												.07	.22									1.08	.62	.02	.07		.29	.03	.73	1	
Addison, Dam 45	O		.02																											1.8	
Beechgrove	O	T.				T.	.18		.04		.17	.22	.14	.01						.57		T	.20		.25	.05					
Bardstown	S					.16		.24	.48	.14	.30									.77		.42							.30	.24	
Bowling Green	G	.04	.12			T.	.17		.04	.16		.15								.08					.27	.16				.15	
Bowling Green, No. 2	G		.09				.20		.15	.20	.12	.10								T.				T				.04		
Brownsville, Lock No. 6	G		.01				.27		.40	.08	.14	.08									.09		.25		.36	.17					
Burnside	C	T.	.45			.06	.04	.18	.08	.84	.06	.01	.25	.24	.19		T			.46	.08		.25		.28	.10					
Carrollton	K					.17	.31				.81										.78									
Cave Dam, Burgin	K	.04				T.	.41		.05	.22	.17	.14	.02	.05		.05				.28			.35		.17			T		
Chaplin	C	.03	.19			.09	.05	.36	.03	.88	.09	.01	.32		.06	.02			.03		.13		.17	.07						
Franklin	K	T.						.08		T.	.03	T.	.05	.02						.02				.30		.70	.10				
Frost, Lock No. 3	K	.30					.16			.40		.16	.55							T.			.20	T.							
Grand, Dam 38	O			T.			.16			.16	.11	.18	T.	.01						.02		.05			.45	.04					
Greensburg	G	.22	.18				.25			.02	.14	.04	.15	.05	T		T			.28	.03		.46			.05					
High Bridge, Lock No. 7	K		.02			.02	.22			.21	.04	.09	.31	.12						.66	T		.48			.06					
Irvington	O	T.				.02	.37			.05	.04		.11	.14						.11	.40		.26		.33	.20					
Junction City	K	.03	T.			.42	.23	.08		.42	.05	.20	.46							.52		.26		.25							
Lancaster	K		.05			.01		.10		.35	.02	.06	.24	.48						.05		.18		1.02							
Lexington	G	.10					.11	T.		.13	.05	.15	.05	.10										.12		.15	.03				
Lock Nickman, Lock No. 8	K	.06	T.		T.	.30	.01	T.	.12	T.	.11	.15	T.	T.	T.					.02	.03		.20		1.03					
Lockport, Lock No. 2	K		.05		T.		.26		.22	.05	T.	.50	.25							T.	.04		.15		T.					
Lowesville	K																														
Lucasville	O	T.				.39		.10	.23	.15	T									.05	.30		.52		.12	T.					
Madisonville	G		.06		T.	.12		T.	.13	.11	.16	.16	T.							T.	.60		.40		T.	.20					
Melvin, John	S	.03	.02				T.	.20		.06	T	.16	.50		.02											.02					
Nervisa, Lock No 6	S		.15							.15	.12	.10	.06	.08	.14								.22			.18					
Nett	L						.45		T	T.	T.	T.	.70							.14			.19		.28	.32					
Owensville	S																			T.			.20							
Paoli	S		.01				.29		.02	.20	.15	.03	.42																		
Pone, Lock No. 5	K	.10	.04			.05	.29		.60	.09	T.	T.		.12		T				.18			.39		.07	.05					
Williamstown	L					.32	T.	.11		.14		.10	.42							.07		.37			.07						
Woodbury, Lock No. 4	G	.01	.09				T.	.19		.08	.07	.03	.13	.03						.09				.30	.06						
Eastern Division																				.43	.02		.45							
Ashville	C	.02	.26	.04				.15	.22	.89	.15	.06	.15	.12	.01					.03			.10		.35	.15					
Beaverdam	O		.06	.26				.69	.45	.29	.09	.02	.57	.55	.27																
Bellefonte	K	.03	.12	.12		T		.11	.22	.75	.32	.04	.09	.23	.20		.06			.01	.02		.27		.81	.02				
Boone Hill, Lock No. 11	K	T.	.10	.10	T.		.23	.13		.76	.07	.16	.22	.07			T			.37	.07		T		.22	.23					
Bullitt	L		T.		.05	.03	.40	.04	.40	.15	T.	.12	.40	T.						.05	T.	.36	.01		.34						
Crossroads	L						.29		.05	.63	.02	.26	.15	T.						T.	T.		.10		.30	.10					
Farmers	L						.35		.07	.01	.05	T.	.07	.02						.09			.40			.32					
Glensburg	L		.11					.47	.35	.09										.21			.45								
Hall, Lock No. 10	K		.07	.02		.01	.69	.18	.44			.17	.21										.81								
Hanap, Dam 30	O		.04				.18	.01	.30	.01	.02	.42	.48	T.						.35		.22									
Harman	O		.03				.43	.53	.48	.12			.44	.12						T.	T.		.15		.16	T						
Harrod	C	.13	.15				.22	.38	.20	.38	.02	.25	.67	.15		.51				T.			.30								
Heidelberg, Lock No. 14	K		.10				.26	.30	.50	.13	.02	.28	.13	.05		.28				.01			.30								
Holmes	K		.15				.16	.55		.30	T.	.21	.35	T.		.07				.06	.80		.57		.20	.86					
Hosa	K	.25	.27	.20	.28	.33	.05	.22		.81	.26	.04	.30	.05		.12		.20	.12	.49			.40		.50	.14					
Jamestown	B	.12							.93											.18	.11	T.		.20	.35						
Jerusalem	K	.06	.07				.22	.47	.14	.28	.05	.28	.58	.20		.23				1.57	.10				.28	.50					
Jonesboro	O						.15	.82	.72	.12	.05	.12	.21	.05		.30		.06	.10	.17			.42								
Kuttawa	C						.04	.16	.36	.02	.04	.01	.31	.03						.28			.43		.26	.22					
Mount Sterling	L					.06	.52		.60		.11	.26	.11										.46								
Nauta, Dam 35	O		.05	.12		.03	.16	.03	.45	.03	T.	.30	.12	.10		T.				1.04		.41			.42						
Neville	L		T.		T.		.42		.18	.11	.06	T.	T.						.37		.01		.45	T.							
Onsburg	B	.22	T.				.35	.65	T.		.05	.28	.32	.12						.87	.01		.55			.14			.15	.18	
Pleasant	K	.09					.21	.50		.45		.16	.30	.29			.15		T.	.08			.85		.18	.15					
Pump, Lock No. 12	K	.08	.16				.26	.39	.10	.32	.06		.31					.14		.29			.80			.38					
Raymond	K	T.	.22	.18		.15	.12	.15	.74	.08	T.	.05	.26	.10						.82			.30	.32		.28					
Sky View, Lock No. 9	K	.06	.15				.30		.30			.50	.70						T.	T.			.23		.25	.2					
Spurlington, Dam No. 32	O	.26			.15	.40		.20	.10	.05	.40	.20														.30					
Stamping	O		.01				.47	.32	.35	.13		.33	.05	.13		.40				T.	.03		.13	T.		.03					
Stanislaus	K	.21	.07		.02		.10		.50	T.	.25	.26	.40							.27	.51		.32		.43	.43					
Tow, Lock No. 13	K	.12	.15		.30			.05		.10	.10		.25	.85	.08	.05		.65		.05	.20		.85			.75			.29	.40	

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Errata for April, 1931

Page 14, Bardstown, partly cloudy days should be 3, and cloudy 9; Junction City, should be 3.87 and number of days, with 0.01 inch, 11; page 15, .02 on 18th should be omitted, and total should be 3.55.

Page 14, Bardstown, partly cloudy days should be 3, and cloudy 9; Junction City, should be 3.87 and number of days, with 0.01 inch, 11; page 15, .02 on 18th should be omitted, and total should be 3.55. Louisville, page 14, total precipitation

Daily Temperatures for May, 1931.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	64	79	69	78	76	69	59	70	71	67	66	65	68	74	83	86	92	87	82	74	63	68	65	70	79	83	89	91	93	81	78	75.6
	Minimum	53	52	42	42	59	47	40	49	59	47	47	47	43	44	45	52	64	67	65	55	40	49	40	31	58	54	57	62	65	63	58	51.2
Calhoun	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Farlington	Maximum	65	79	74	78	75	64	63	72	71	61	62	62	67	74	83	89	91	87	80	67	71	65	64	77	66	85	94	94	90	86	75	75.5
	Minimum	56	51	45	40	59	59	39	42	58	50	48	48	45	44	50	62	69	69	66	55	40	52	40	38	60	56	66	62	65	64	58	53.2
Greenville	Maximum	64	78	70	77	70	65	59	70	70	63	62	61	67	73	79	85	88	86	80	68	69	64	60	65	78	80	81	88	89	89	75	74.1
	Minimum	54	50	43	42	59	44	38	38	56	47	46	46	43	46	47	56	66	68	64	60	40	48	40	36	59	...	54	61	64	...	56	50.5
Henderson	Maximum	63	78	67	76	70	63	62	69	68	61	59	63	72	77	83	88	90	84	80	68	69	64	62	68	80	81	88	89	89	78	75	73.6
	Minimum	53	46	41	43	57	40	37	41	54	48	47	45	45	46	48	53	55	65	67	63	54	42	43	41	42	60	58	56	66	69	58	51.6
Hopkinsville	Maximum	63	78	67	76	70	63	62	69	68	61	59	63	72	77	83	88	90	86	80	68	69	64	62	68	80	81	88	89	89	78	75	73.6
	Minimum	53	46	41	43	57	40	37	41	54	48	47	45	45	46	48	53	55	65	67	63	54	42	43	41	42	60	58	56	66	69	58	51.6
Lowellsville	Maximum	63	78	67	76	70	63	62	69	68	61	59	63	72	77	83	88	90	86	80	68	69	64	62	68	80	81	88	89	89	78	75	73.6
	Minimum	53	46	41	43	57	40	37	41	54	48	47	45	45	46	48	53	55	65	67	63	54	42	43	41	42	60	58	56	66	69	58	51.6
Marion	Maximum	63	78	67	76	70	63	62	69	68	61	59	63	72	77	83	88	90	86	80	68	69	64	62	68	80	81	88	89	89	78	75	73.6
	Minimum	53	46	41	43	57	40	37	41	54	48	47	45	45	46	48	53	55	65	67	63	54	42	43	41	42	60	58	56	66	69	58	51.6
Mayfield	Maximum	68	77	76	76	73	69	64	71	71	68	62	65	69	73	80	88	89	84	86	86	71	65	65	78	79	87	92	92	91	87	80	76.9
	Minimum	54	47	45	43	56	44	39	42	51	48	47	46	45	46	51	58	58	67	66	64	56	43	44	40	42	61	56	61	64	67	60	52.5
Murray	Maximum	67	80	69	81	72	68	66	75	70	66	65	68	70	76	81	89	90	86	82	73	75	70	65	78	82	89	93	95	98	88	77	77.2
	Minimum	54	47	49	47	57	44	39	40	52	46	43	48	45	46	50	56	57	68	61	62	55	41	51	40	37	60	59	61	66	66	66	51.1
Owensboro	Maximum	61	73	67	75	68	65	59	68	69	64	58	61	67	73	80	85	89	84	80	67	71	65	62	72	78	85	93	93	94	80	74	73.9
	Minimum	53	47	42	44	57	40	36	40	53	47	46	45	44	43	46	48	53	62	65	61	54	42	43	41	42	60	56	61	64	67	64	51.4
Paducah (near)	Maximum	63	72	69	72	71	68	65	67	65	58	57	62	68	71	78	85	86	82	76	66	70	64	62	68	78	85	89	90	89	80	72	72.5
	Minimum	53	47	46	42	56	42	39	42	50	48	48	46	46	46	46	52	57	63	63	63	53	43	48	32	44	60	56	67	64	67	64	51.4
Princeton	Maximum	63	72	69	72	71	68	65	67	65	58	57	62	68	71	78	85	86	82	76	66	70	64	62	68	78	85	89	90	89	80	72	72.5
	Minimum	53	47	46	42	56	42	39	42	50	48	48	46	46	46	46	52	57	63	63	63	53	43	48	32	44	60	56	67	64	67	64	51.4
Russellville[28]	Maximum	62	75	61	79	68	65	58	72	70	63	62	63	67	73	80	88	88	84	80	68	69	64	62	68	80	81	88	89	89	78	75	73.6
	Minimum	52	49	45	42	43	57	39	36	42	46	47	48	43	44	49	53	56	64	63	54	41	44	41	36	42	53	57	61	63	63	59	49.4
Central Division.																																	
Anchorage	Maximum	64	75	64	77	75	67	47	65	68	60	62	61	68	74	78	83	87	84	80	76	70	57	57	71	73	80	86	88	87	79	69	71.9
	Minimum	52	44	34	40	44	44	40	35	47	46	44	45	42	44	42	52	62	63	61	53	36	47	41	36	58	54	52	55	62	63	52	47.8
Bardstown	Maximum	67	78	72	83	79	72	48	72	75	64	65	66	68	75	84	86	92	89	85	78	73	68	65	76	77	85	92	93	94	85	78	76.7
	Minimum	51	55	40	39	57	47	40	37	56	48	48	45	46	49	50	56	64	67	65	66	57	38	52	39	53	57	54	60	55	69	65	57	50.3
Bowling Green	Maximum	67	82	79	83	82	68	61	71	74	72	66	68	75	80	86	90	94	90	85	78	79	70	64	80	84	90	93	93	97	88	80	79.5
	Minimum	54	53	45	43	59	49	41	38	58	58	57	54	49	46	46	50	53	65	65	64	54	44	52	43	49	61	58	72	75	83	89	91	91	92	80	75.4
Dix Dam	Maximum	68	69	75	80	76	78	64	69	71	67	62	60	65	71	79	83	88	85	85	78	79	70	64	80	84	90	93	93	94	85	78	76.2
	Minimum	52	51	41	43	56	56	43	36	60	50	55	46	48	48	48	53	55	65	63	60	52	42	52	42	52	58	56	65	68	68	62	57	49.6
Eubank	Maximum	68	78	71	81	81	71	59	68	75	68	66	65	70	77	83	89	91	87	83	78	76	72	67	80	83	92	94	95	92	88	84	78.5
	Minimum	49	54	41	43	54	54	42	35	55	48	47	45	41	41	41	50	50	60	59	59	49	39	49	40	41	56	55	58	60	60	58	53	41.3
Frankfort	Maximum	68	78	71	81	81	71	59	68	75	68	66	65	70	77	83	89	91	87	83	78	76	72	67	80	83	92	94	95	92	88	84	78.5
	Minimum	52	54	39	39	56	56	42	38	56	48	48	44	42	43	43	46	48	59	57	59	50	39	51	42	40	64	58	62	64	64	63	60	46.3
Franklin	Maximum	67	78	76	80	76	67	62	72	74	66	64	63	69	75	81	87	90	86	82	73	74	64	63	75	75	83	89	92	93	87	77	76.2
	Minimum	54	50	46	44	59	47	40	38	59	50	49	48	45	46	48	52	55	67	65	66	56	42	49	39	38	57	56	60	60	60	58	57	49.3
Glasgow	Maximum	62	77	72	82	77	72	56	72	74	65	66	64	68	74	81	88	88	83	80	69	71	65	62	72	78	86	91	92	93	87	77	76.2
	Minimum	49	55	42	40	56	55	40	36	55	46	47	45	40	41	41	48	47	63	60	59	50	39	49	39	39	59	58	63	63	64	56	53	43.9
Irvington	Maximum	63	75	70	76	70	67	58	67	69	62	62	62	65	72	78	84	87	84	80	67	70	64	62	68	78	85	89	90	91	86	78	76.2
	Minimum	53	51	42	43	61	45	40	38	56	49	47	48	46	47	53	57	66	66	66	59	49	41	44	41	42	60	58	62	64	64	60	56	46.3
Junction City	Maximum	64	76	69	79	69	68	56	68	70	60	63	62	66	72	80	86	91	88	85	78	76	70	62	69	74	82	89	90	92	86	78	76.2
	Minimum	53	53	43	43	58	48	39	39	59	47	47	47	44	46	52	56	65	67	66	58	42	49	39	38	57	56	60	64	64	64	58	56	46.3
Lancaster	Maximum	67	71	60	76	74	69	45	65	69	59	59	60	65	72	78	84	88	84	80	68	69	64	62	68	78	85	89	90	91	86	78	76.2
	Minimum	49	43	39	42	56	43	40	40	52	43	48	46	45	47	51	58	64	67	66	58	49	47	41	44	60	57	58	62	64	64	58	56	46.3
Lexington	Maximum	63	75	70	76	70	67	58	67	69	62	62	62	65	72	78	84	87	84	80	67	70	64	62	68	78	85	89	90	91	86	78	76.2
	Minimum	53	51	42	43	61	45	40	38	56	49	47	48	46	47	53	57	66	66	66	59	49	41	44	41	42	60	58	62	64	64	60	56	46.3
Louisville	Maximum	63	77	71	77	73	67	57	67	69	62	62	62	65	72	78	84	87	84	80	67	70	64	62	68	78	85	89	90	91	86	78	76.2
	Minimum	53	51	42	43	61	45	40	38	56	49	47	48	46	47	53	57	66	66	66	59	49	41	44	41	42	60	58	62	64	64	60	56	46.3
Louisville	Maximum	65	77	65	77	69	66	58	66	69	60	60	60	65	72	78	84	87	84	80	67	70	64	62	68	78	85	89	90	91	86	78	76.2
	Minimum	52	50	41	44	62	42	40	40	52	50	48	46	45	47	51	58	64	67	66	58	49	41	44	41	42	60	58	62	64	64	60	56	46.3
Louisville	Maximum	65	77	65	77	69	66	58	66	69	60	60	60	65	72	78	84	87	84	80	67	70	64	62	68	78	85	89	90	91	86	78	76.2
	Minimum	52	50	41	44	62	42	40	40	52	50	48	46	45	47	51	58	64	67	66	58	49	41	44	41	42	60	58	62	64	64	60	56	46.3
St. John	Maximum	65	77	65	77	69	66	58	66	69	60	60	60	65	72	78	84	87	84	80	67	70	64	62	68	78	85	89	90	91	86	78	76.2
	Minimum	52	50	41	44	62	42	40	40	52	50	48	46	45	47	51	58	64	67	66	58	49	41	44	41	42	60	58	62	64	64	60	56	46.3
Shelbyville	Maximum	65	71	67	78	75	67	52	69	71	62	63	62	65	72	78	84	87	84	80	67	70	64	62	68	78	85	89	90	91	86	78	76.2
	Minimum	50	51	38	41	57	52	40	36	57	46	45	45	44	46	47	52	57	67	66	58	49	41	44	41	42	60	58	62	64	64	60	56	46.3
Taylorsville	Maximum	66	75	74	77	77	69	58	69	71	65	63	63	67	73	80	86	89	86	82	70	72	66	64	70	80	87	91	92	93	87	79	77.2
	Minimum	52	52	39	42	56	58	42	38	56	46	46	46	44	46	48	52	57	67	66	58	49	41	44	41	42	60	58	62	64	64	60	56	46.3
Williamstown	Maximum	66	76	66	81	81	74	65	66	72	63	65	64	65	74	82	86	89	86	82	70	72	66	64	70	80	87	91	92	93	87	79	77.2
	Minimum	44	49	33	37	58	56	40	33	52	45	44	44	43	41	46	53	66	66	62	50	41	47	43	35	59	60	48	50	64	63	56	49.3
Eastern Division.																																	
Ashland	Maximum	64	75	72	76	80	78	66	66	75	71	67	62	60	70	80	85	87	84	84	79	72	68	54	71	76	80	89	91	93	90	78	77.2
	Minimum	46	51	42	37	53	62	50	40	62	49	50	52	43	50	60	60	60	64	62	51	50	47	36	53	53	48	55	59	61	63	51	51.8
Beattyville	Maximum	64	74	69	82	79	74	61	72	68	68	66	66	70	77	84	88	90	86	84	79	73	74	60	77	84	90	90	92	87	87	83	79.5
	Minimum	51	50	41	40	54	45	45	36	52	48	49	48	45	45	45	51	56	67	67	60	59	57	46	44	44	52	53	55	57	58	55	54	49.3
Berea	Maximum	65	72	64	80	76	74	62	70	70	60	60	60	66	73	83	87	87	83	83	77	71	68	56	69	70	...	88	89	93	87	84	77.2
	Minimum	52	51	39	44	55	57	43	39	59	50	50	50	46	44	45	50	57	67	65	58	49	46	45	45	52	48	...	47	50	54	50	49.3
Farmers	Maximum	66	78	70	80	81	75	72	69	72	72	...	65	57	78	77	83	87	83	89	84	76	73	61	73	82	85	89	90	91	86	78	76.2
	Minimum	48	58	37	41	51	51	45	36	50	44	47	46	46	41	40	44	53	68	58	56	43	41	45	45	52	48	49	50	52	58	53	49.3
Harlan[28]	Maximum	61	61	72	72	73	76	66	66	66	67	54	60	66	70	73	78	75	80	78	76	73	61	74	50	66	63	80	77	70	76	68	70.3
	Minimum	50	54	47	46	50	52	52	39	47	44	46	48	45	48	48	53	64	68	64	60	52	51	45	45	50	46	48	44	54	51	48	49.3
Maysville	Maximum	66	76	65	79	79	76	64	68	72	69	61	63	69	74	83	87	89	86	84	78	74	68	62	70	79	87	90	91	93	88	80	77.2
	Minimum	47	53	37	36	53	56	43	35	54	47	49	46	46	46	46	52	58	68	66	62	52	49	43	43	52	48	49	51	54	55	52	49.3
Middlesboro	Maximum	61	71	70	79	78	70	64	70	65	69	59	65	72	83	81	90	88	83	77	78	78	64	57	68	76	83	89	90	91	86	78	76.2
	Minimum	48	54	39	39	57	54	48	34	51	42	45	43	44	48	48	54	57	68	64	60	52	49	43	43	52	48	49	51	54	55	52	49.3
Mount Sterling	Maximum	71	76	63	78	78	76	61	67	71	65	67	65	67	76	78	83	88	88	91	84	73	74	63	69	70	76	82	84	90	91	91	79.5
	Minimum	38	51	35	40	45	46	41	32	54	44	46	44	41	42	43	44	47	57	58	58	48	43	45	36	52	54	49	52	54	59	57	49.3
Quicksand	Maximum	65	74	70	84	77	75	64	72	74	67	67	61	68	72	78	83	88	91	84	73	74	67	69	70	76	82	84	90	91	91	72	77.2
	Minimum	48	54	41	39	51	58	46	38	51	45	45	45	48	46	44	48	51	65	64	62	52	46	44	39	56	56	56	60	64	64	62	49.3
Race Hotel	Maximum	63	70	63	80	73	65	52	70	68	62	62	60	64	72	78	83	88	91	84	73	74	62	64	70	80	86	90	91	91	85	76	77.2
	Minimum	52	54	40	43	60	55	43	39	55	46	46	44	46	50	46	44	56	66	64	60	52	46	44	39	56	56	53	57	60	64	62	49.3
Williamsburg	Maximum	70	75	74	81	78	75	68	70	70	73	73	71	72	77	83	88	91	84	83	76	76	72	67	74	82	86	90	91	91	85	76	77.2
	Minimum	54	57	47	47	55	57	45	39	57	48	47	45	46	45	48	53	65	65	65	60	57	51	45	44	55	56	57	58	59	63	60	49.3

[28] Instrument(s) are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* * * indicate respectively 1, 2, 3 date days missing from record.

W. B. O. Louisville 6-27-31—150

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
Vol. XXXVI LOUISVILLE, KY., JUNE, 1931 No. 6.

THE LIBRARY OF THE
UNIV

GENERAL SUMMARY.

In the first decade several days with low temperature were favorable for completing tobacco setting, made possible in most districts except the central bluegrass region by timely rains. Dry weather delayed the starting of tobacco and caused some of it to die. The variable and deficient rainfall, together with the high temperature of the last two weeks, had a tendency to develop irregular crop conditions. In some districts enough rain fell to keep crops growing normally, while other sections remained so dry that seasonal progress was impossible. Moisture received in localities surrounded by dry and heated districts was largely lost by evaporation and gave the minimum benefit. The scant reserves of water in the subsoil had considerable influence in hastening the appearance of drought effects. The dry belt from southwest to northeast across the center of the State was not entirely reached by good rains, yet the moderate showers that occurred were sufficient to prevent actual injury to the staple crops.

Wheat harvest commenced in the southwest near the 15th and moved north and east across the State during the next two weeks. While the high temperature advanced ripening and drying, it caused such suffering to men and teams as to hinder progress. The tangled condition of the very heavy grain also hampered operations. This weather favored the saving of the unusually heavy crop of bluegrass seed. Oats and potatoes were injured seriously, young clover died extensively, hay crops were shortened, and bush fruits, gardens, and field tomatoes were adversely affected. The rains were hardly sufficient to support pastures, which deteriorated in some upland districts. The weakening of springs and wells showed the depletion of ground water. At the end of the month the condition of corn and tobacco averaged fairly good, but they were suffering for rain in many places. In the presence of rainfall deficiency the excessive heat continued to be an unfavorable feature.

TEMPERATURE.

Reports from 42 stations gave an average temperature of 73.8 for the State, which is 1.5 above normal. Cool and warm periods, a few days in length, alternated during the first half; but temperatures in the last half were continuously above normal, with the highest reading generally in the last week. The extremes were 10° at Henderson on the 29th, and 39° at Mt. Sterling on the 2d.

PRECIPITATION.

Reports from 84 stations gave a State average of 2.80 inches, which is 1.45 inches less than normal. The rainfall varied greatly in daily and monthly amounts; and occurred almost entirely in connection with local thunderstorms, which were unusually frequent even for this summer month. Most western and some central localities received moderate to heavy showers in the period 5-7th. Light to heavy showers occurred [illegible] There were but few [illegible] amounts exceedingly [illegible] Green Rive[illegible] [illegible] received less than 2.00 [illegible] [illegible] the amount was little more than [illegible] [illegible] from the central [illegible] [illegible] [illegible]

Climatological Data for June, 1931.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Barnett Dam	Ohio	441	27	76.6	+ 2.4	100	19	43	8	35	1.45	−1.72	0.70	0	3	27	1	2	s.	Mrs. Lena F. Taylor
Calhoun	McLean	437	27	77.6	+ 2.2	104	28	48	1	33	3.21	−1.72	1.17	0	5	5	22	3	sw.	W. A. Taylor.
Earlington	Hopkins	420	41	78.0	+ 2.4	101	28†	47	2†	35	3.39	0.49	1.23	0	8	24	6	0	sw.	Brick Southworth.
Fordsville	Ohio	456	2	.....	.....	.....	.....	.....	.....	.....	1.71	.....	1.04	0	4	.....	.....	.....	.....	W. D. Hatcher.
Frank Berry, Dam 50	Crittenden	336	2	.....	.....	.....	.....	.....	.....	.....	2.23	−1.78	0.94	0	9	15	15	0	s.	C. R. Lovell.
Grandville	Muhlenberg	519	14	76.4	+ 1.5	100	28†	45	9	41[b]	2.76	−0.81	2.31	0	6	27	3	0	s.	Richard Stites
Henderson	Henderson	382	17	77.6	.....	106	29	47	1	30	3.76	−0.81	2.31	0	8	14	7	9	se.	W. E. Graves.
Hopkinsville	Christian	524	35	78.1	+ 2.6	103	28†	47	2†	36	2.85	−1.68	1.48	0	9	15	15	0	s.	Blaine Malone.
Hopkinsville	Ballard	.....	2	78.2	.....	105	28†	44	2	41	1.46	.....	1.25	0	2	26	4	0	s.	B. C. Paris.
Lovelaceville	Carlisle	371	33	78.0	+ 3.0	101	28	48	8	28	1.31	−2.27	0.60	0	3	24	4	2	o.	Mrs. C. R. Sowell.
Marion	Crittenden	557	33	78.2	+ 3.0	101	29	48	2†	36	4.61	+0.88	2.60	0	4	24	6	0	se.	Harry B. Arnold
Morehead	Graves	564	22	77.7	+ 3.0	101	29	48	2†	45	2.07	.....	0.90	0	4	14	10	6	s.	Henry S. Berry.
Murray	Calloway	412	5	76.6	.....	102	28	44	2	45	2.08	−1.67	1.40	0	6	23	6	1	s.	George McGlemary.
Owensboro	Daviess	479	34	75.0	+ 0.7	101	29	47	1	29	2.62	.....	1.80	0	6	.....	.....	.....	.....	J. W. Lilley.
Owensboro, Dam 46	Daviess	404	3	.....	.....	.....	.....	.....	.....	.....	3.61	−0.24	2.51	0	5	20	8	2	so.	Frank L. Brown.
Raymond near S	McCracken	316	14	75.8	− 1.2	100	28†	47	1†	32	4.27	−0.58	2.00	0	6	.....	.....	.....	.....	Dr. W. L. Cash.
Railroad	McCracken	341	42	.....	.....	.....	.....	.....	.....	.....	4.74	+1.17	1.97	0	7	17	13	0	n.	Thos. L. Wetzell.
Rosenfelt	Caldwell	529	24	76.0	+ 1.1	98	28	49	2	33	2.12	−1.67	0.96	0	5	.....	.....	.....	.....	.....
Shawneetown	Mclean	384	11	.....	.....	.....	.....	.....	.....	.....	3.80	+0.20	1.57	0	5	24	3	3	s.	Wm. Shelton.
Shawneetown, Lock 2	Gallatin	390	20	75.0	+ 0.1	100[b]	30	45	9	32	1.47	.....	1.10	0	7	.....	.....	.....	.....	Earl Holder.
Slaughtersville	Webster	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Uniontown, Dam 49	Union	357	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Utica	Daviess	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.62	.....	0.97	0	7	.....	.....	.....	.....	C. L. Moore.
Addison, Dam 45	Breckinridge	352	3	.....	.....	.....	.....	.....	.....	.....	2.21	−1.51	0.52	0	7	17	11	2	sw.	C. E. Barret.
Anchorage	Jefferson	780	50	73.0	+ 1.0	100	28	42	9	57	2.58	−1.51	0.75	0	7	20	1	9	sw.	Mrs. Emily T. Sisco
Auburn	Nelson	647	34	76.0	+ 1.5	102	19	42	2	41	3.68	−0.04	2.40	0	5	17	8	5	s.	Mrs. Lillie G. Causey
Bardwell	Carlisle	500	42	79	3 + 3.6	105	19†	47	9	41	3.00	.....	1.50	0	5	.....	.....	.....	.....	T. Rone
Bowling Green	Warren	469	6	.....	.....	.....	.....	.....	.....	.....	1.39	2.51	0.56	0	5	.....	.....	.....	.....	Virgil M. Whalin.
Brandenburg, No. 2	Meade	410	14	.....	.....	.....	.....	.....	.....	.....	3.42	−0.70	1.25	0	9	.....	.....	.....	.....	T. A. Lewis
Brownsville, Lock 6	Edmonson	773	40	.....	.....	.....	.....	.....	.....	.....	2.56	−1.27	1.05	0	5	.....	.....	.....	.....	Shelby Angel.
Burnside	Pulaski	822	32	.....	.....	.....	.....	.....	.....	.....	3.83	.....	1.15	0	13	.....	.....	.....	.....	Reuben Hartley.
Carrollton, Lock 1	Carroll	389	5	.....	.....	.....	.....	.....	.....	.....	2.36	.....	0.84	0	9	20	10	0	sw.	C. W. Williams.
Cave in Rock, Dam 36	Campbell	770	5	76.0	.....	99	18†	44	2†	41	2.21	−1.87	0.70	0	8	18	5	6	s.	Mrs. Katie Payne
Dix Dam, Burgin	Mercer	1157	37	73.2	+ 1.8	98	28	40	2	42	2.86	−1.37	1.13	0	10	15	6	9	s.	Sidney Wood.
Edmonton	Pulaski	950	39	75.0	+ 1.4	100	19†	42	2	45	3.59	−0.06	1.08	0	7	20	9	1	s.	M. E. Johnson.
Frankfort	Franklin	550	39	78.6	+ 3.4	105	19	47	2†	39	2.38	−1.05	1.00	0	13	.....	.....	.....	.....	Louis Shiddell.
Franklin	Simpson	691	36	.....	.....	.....	.....	.....	.....	.....	3.56	.....	1.26	0	11	.....	.....	.....	.....	H. W. Sprague
Glenview	Henry	449	20	.....	.....	.....	.....	.....	.....	.....	3.40	−1.15	1.10	0	9	3	7	20	n.	Mrs. Bettie K. H. Alcorn.
Grant, Dam 5	Boone	780	6	.....	.....	.....	.....	.....	.....	.....	2.89	−1.03	0.84	0	8	.....	.....	.....	.....	Miss Ruby L. Simpson.
Greensburg	Green	544	38	75.6	+ 2.3	102	28	42	2†	44	2.29	−1.56	0.81	0	6	16	11	3	sw.	W. J. Piggott.
Hag. Bridge, Lock 7	Jessamine	550	29	.....	.....	.....	.....	.....	.....	.....	2.92	−0.79	1.45	0	5	11	19	0	w.	Caroline Grubbs.
Irvington	Breckinridge	646	33	73.7	+ 1.8	99	28	47	9	28	1.65	.....	0.40	0	9	.....	.....	.....	.....	..... Anderson.
Louisville City	Jefferson	986	87	78.2	+ 1.1	99	28	11	2†	39	1.02	−2.11	0.70	0	5	15	14	1	se.	H. H. Willis.
Lancaster	Garrard	1032	5	.....	.....	.....	.....	.....	.....	.....	1.85	−2.22	0.81	0	9	12	16	2	sw.	U. S. Weather Bureau
Leitchfield	Grayson	645	35	76.3	+ 3.1	102	28	45	9	37	3.41	+1.05	0.82	0	8	.....	.....	.....	.....	Horace Canter.
Lexington	Fayette	980	47	74.8	+ 2.6	96	28	49	1	29	1.97	−2.49	0.51	0	7	.....	.....	.....	.....	Frank Litch.
Lewisburg, Locks 4	Logan	528	20	.....	.....	.....	.....	.....	.....	.....	3.14	−0.68	0.84	0	10	6	16	8	s.	U. S. Weather Bureau
Liberty, Lock 2	Henry	476	21	.....	.....	.....	.....	.....	.....	.....	4.02	.....	1.86	0	6	.....	.....	.....	.....	A. G. Hubbard.
Louisville	Jefferson	525	58	76.6	+ 1.3	99	28	50	1	27	1.82	−2.21	0.95	0	6	26	3	1	.....	Sisters of Loretto
Magnolia	Hart	620	8	.....	.....	.....	.....	.....	.....	.....	2.76	−2.31	1.20	0	4	.....	.....	.....	.....	Ernest M. Searcy.
Mayfield	Graves	777	35	74.3	+ 1.6	102	28	43	2†	39	2.78	−1.62	1.24	0	7	15	2	13	s.	Miss Ruth Rolfe.
Meadow Lark[6]	Meade	490	17	.....	.....	.....	.....	.....	.....	.....	3.74	−0.52	0.77	0	8	19	5	6	so.	E. D. Bourne.
Mt. Sterling	Montgomery	1000	5	.....	.....	.....	.....	.....	.....	.....	3.48	1.05	1.70	0	11	.....	.....	.....	.....	H. K. Vaughn.
Munfordville	Hart	650	5	.....	.....	.....	.....	.....	.....	.....	1.85	−1.99	0.36	0	9	26	3	1	s.	Miss Orville B. Simpson.
Nicholasville	Jessamine	1000	5	.....	.....	.....	.....	.....	.....	.....	2.03	−1.65	0.72	0	6	.....	.....	.....	.....	H. J. Lewis.
Owensboro	Daviess	405	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Owenton	Owen	900	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Paducah	McCracken	340	14	.....	.....	.....	.....	.....	.....	.....	2.91	.....	1.35	0	10	15	12	3	sw.	W. A. Worthington.
Paris	Bourbon	750	5	.....	.....	.....	.....	.....	.....	.....	3.04	−0.50	1.18	0	12	17	7	6	nw	Jacob Armbruster.
Pembroke	Christian	650	5	.....	.....	.....	.....	.....	.....	.....	3.26	−1.84	0.72	0	11	5	14	11	s.	Robert E. Smallwood
Pineville	Bell	1050	5	.....	.....	.....	.....	.....	.....	.....	1.45	−3.13	0.42	0	9	21	9	0	e.	Chas. C. Graham.
Plum Lick	Mason	600	5	.....	.....	.....	.....	.....	.....	.....	2.67	−1.26	0.55	0	12	.....	.....	.....	.....	Kelly Walden
Princeton	Caldwell	600	5	.....	.....	.....	.....	.....	.....	.....	2.22	−1.16	1.06	0	9	.....	.....	.....	.....	P. H. Rehoe.
Richmond, Lock 11	Madison	601	21	.....	.....	.....	.....	.....	.....	.....	3.93	−0.27	0.84	0	13	.....	.....	.....	.....	J. V. Oldham.
Smithland	Livingston	400	5	.....	.....	.....	.....	.....	.....	.....	3.16	−0.81	1.16	0	7	17	7	6	e.	Mrs. R. F. Stamper.
Springfield	Washington	684	13	.....	.....	.....	.....	.....	.....	.....	3.43	.....	0.78	0	8	.....	.....	.....	.....	C. A. Glascock
Williamsburg	Whitley	1100	5	.....	.....	.....	.....	.....	.....	.....	3.04	−0.78	0.93	0	10	.....	.....	.....	.....	John A. Walters.
Williamstown	Grant	900	5	.....	.....	.....	.....	.....	.....	.....	1.88	.....	0.56	0	5	.....	.....	.....	.....	Col. Frank Powers
Winchester	Clark	1000	5	.....	.....	.....	.....	.....	.....	.....	2.82	1.54	1.17	0	11	.....	.....	.....	.....	C. Mitchell.
Woodburn	Warren	600	5	.....	.....	.....	.....	.....	.....	.....	3.65	.....	0.60	0	13	20	8	2	s.	W. W. Dudfield.
Worthington	Jefferson	500	5	.....	.....	.....	.....	.....	.....	.....	1.84	.....	0.66	0	7	.....	.....	.....	.....	Chas. O. Benz.
Wurtland	Greenup	540	11	.....	.....	.....	.....	.....	.....	.....	3.80	−0.47	1.84	0	9	.....	.....	.....	.....	S. C. Cole.
Yosemite	Harlan	1197	3	71.4	.....	98	18	44	2†	36	4.61	.....	0.86	0	8	.....	.....	.....	.....	E. R. Davidson.
Zion	Perry	860	7	.....	.....	.....	.....	.....	.....	.....	3.20	.....	1.88	0	8	.....	.....	.....	.....	Russian Gruber.
Zion, Lock 14	Bell	1023	14	.....	.....	.....	.....	.....	.....	.....	3.47	1.71	1.31	0	8	.....	.....	.....	.....	Bennett H. White.
Zoneville	Caroline	1146	6	.....	.....	.....	.....	.....	.....	.....	3.22	0.73	1.10	0	11	9	8	13	sw.	Perry F. Bennett
Zoneville	Lawrence	884	27	.....	.....	.....	.....	.....	.....	.....	3.31	1.31	0.55	0	5	13	17	0	e.	Matthew Woodson.
Zoneville	Clay	.....	11	.....	.....	.....	.....	.....	.....	.....	1.81	3.18	0.57	0	5	13	17	0	e.	W. R. McKee.
Zoneville	Mason	520	34	73.4	+ 0.2	98	19†	43	11	44	3.66	+1.19	1.11	0	9	20	6	4	w.	Otto Riddle.
Zoneville	Bell	1125	25	71.2	− 1.2	100	28†	40	2	42	3.49	+0.76	2.27	0	11	.....	.....	.....	.....	Robert Repass
Zoneville	Campbell	597	9	.....	.....	.....	.....	.....	.....	.....	2.20	2.19	0.72	0	6	.....	.....	.....	.....	E. C. Hall.
Zoneville	Pike	670	25	.....	.....	.....	.....	.....	.....	.....	1.95	.....	0.69	0	8	.....	.....	.....	.....	R. W. Jones.
Zoneville	Floyd	640	6	.....	.....	.....	.....	.....	.....	.....	1.88	.....	0.42	0	8	.....	.....	.....	.....	Walter P. Bush.
Zoneville	Breathitt	732	5	72.6	.....	99	20	43	2	45	3.11	−1.35	0.85	0	10	.....	.....	.....	.....	J. W. Crooke.
Zoneville, Lock 12	Estill	631	13	.....	.....	.....	.....	.....	.....	.....	3.42	−0.53	0.70	0	11	19	0	11	.....	Thos. Sullivan.
Zoneville	Madison	926	46	74.3	+ 0.8	97	29†	47	1	32	1.08	−0.14	2.25	0	6	.....	.....	.....	.....	C. M. Finnell.
Zoneville, Lock 9	Madison	744	18	.....	.....	.....	.....	.....	.....	.....	3.67	+0.29	0.65	0	11	.....	.....	.....	.....	C. L. Zimmerman.
Zoneville	Lewis	755	16	.....	.....	.....	.....	.....	.....	.....	2.95	.....	1.15	0	6	.....	.....	.....	.....	H. E. Davis.
Zoneville	Lewis	1142	6	.....	.....	.....	.....	.....	.....	.....	2.06	2.26	0.64	0	10	15	4	7	.....	Jessie Hicks.
Zoneville	Fulton	350	5	75.1	− 1.6	103	28	44	3†	44	2.99	0.98	1.40	0	4	.....	.....	.....	.....	.....
Zoneville, Lock 13	Lee	541	12	.....	.....	.....	.....	.....	.....	.....	2.20	1.45	2.60	0	8	17	8	5	s.	.....
Zoneville	Lee	.....	.....	75.2	+ 1.5	100	29	39	2	48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[illegible] are those for which [illegible] only for such [illegible] have ten or more years of record, but all complete reports are [illegible] [illegible] [illegible]

Daily Precipitation for June, 1931

Stations	Day of month																																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Western Division																																	
Barren Dam	G					.07	T	1.17					.38	.21																			
Cadiz 2E								.50						.07																			
Eddyville	G					T	.14	1.28																									
Fords Ferry, Dam 50	O					T	.14	1.04					T.	.22	T.	T.																	
Hopkinsville	G		.02	T	.16	.10	.94							.22	.25	.20	.02																
Henderson	O						2.81							.47	.32				T														
Hawesville	O						.53								.16	.01																	
Lawrenceville	M						1.28																										
Marion	O					.26	.60																										
Mayfield	M						.64																										
Murray	T					.05							.15			1.15																
Owensboro	O														T	.19																
Owensboro, Dam 46	O		T		.11		1.40							.32	.12																	
Paducah (map)	O		T		.15		.51		T					.41	.06																	
Paducah	O					.05	2.91								.46																	
Princeton	G						.10						.21																			
Rumsey, Lock No. 2	G				.05	T.	1.45							.09		.55																
Russellville	G		T.		.05		.60						.02	T.	T.																	
Tompkinsville	G						.90							.20	.20																	
Uniontown, Dam 49	O				.02		1.10							.73																		
Central Division														.03																		
Addison, Dam 45	O				.01		.07	T.																								
Ambergate	O				.08	.25	.73							18	.07																	
Bardstown	S				.10		.04								.22				T	.71												
Bowling Green	G					.02	.90								.32					.36	.45	.76	.12									
Bowling Green, No. 2	G	.08																		.40			.12									
Brandenburg, Lock No. 6	G						.3							.4	T.					.50	.14		.17									
Burnside	S	.1				T	.7	.11						.11						.50	.15	.12	.13									
Carrollton (Lock No. 1)	K				.3			1.35												.11			.52									
Cedar Spring, Dam 3	O	.01		T.	.02		1.15								.13						.17											
Dix Dam, Bargrin	K		.01			.44	.03	T							.53	.03	.14				T											
Elkhorn	C	.20																		.02												
Frankfort	K	.15			.17		.25	T							.27						.55	.15	.12									
Glendlin					.70		1.08								.10	.19																
Gen. Lock No. 3	K	.08			.14	.01	.55						.30																			
Grant, Dam 35	O	.02		.01			1.27	.10	.02	1				.02	.25	1.00	.08															
Greensburg	G	.15					.51	.19						.02	.83																	
Hall Bridge, Lock No. 7	K	.11					.25							.02	.12																	
Irvington	O						.3																									
Junction City	K			T	T		.84																									
Lancaster	K	.2			.01		.3	.18								.25																
Leitchfield	G		T.		.12		.55							.07	.70																	
Lexington ***	K			.10	T.	.61	.42						T.	.01		T				.18	.10	.21	.60		T		T					
Little Hickman, Lock No. 8	K	.32			T		.46	.20							T	.02					.62			.82	.03							
Lockport, Lock No. 2	K				.37	T	.81	.30						.54	.15					.15		.15										
Louisville ***	O		T.		.26	.05	.75	.51			T.			.04	.01				T.	.69	.12	.58										
Lunfordville	O							.22	T					.03						.80	.50		1.86									
St. John	S	.24					.93							.10	.01	...	T						.15	.40								
Shelby, Lock No 6	K				.50		.30																.50	1.20								
Shelbyville	S				.06	T.	.10				T.			1.24	.03	.02					1.02		.02									
Taylorsville	S		T.	T.	T.	.51	.30		T.					.03	.46	.01				T.	T.		.58									
Tyrone, Lock No. 5	K		.1	.13	.1	.20	.03							.76						.45	.20	1.70										
Washingtown	L	.2			.07		.86	.26							.10	.08							.12									
Woodbury, Lock No. 4	G					T	.52			v2				.45						T.		.05	.08	.03								
Eastern Division																																	
Annville	C	.20					.10	.13					1.55	.03	.02	.08							.70										
Ashland	O	T		T	.08	.14	.06	.36	.01					.07	.05																		
Beattyville	K	.3			.03		.30	.90						.08	.40	.72					.51	1.18											
Berea	K				.05		.02								.10						.50												
College Hill, Lock No. 11	K				.04	T.	.30	.20					.20	.10	.20	.43				.60	.02	.53											
Cynthiana	L	.07		T	.06		.10	.04						.80	.0					.45	T	.02	.05										
Falmouth	L	.12		T.	.02		.35	.21	.03					.02	.84	.01	T			.02	1.00		1										
Farmers	L	.1					.01								.45					.25	.41												
Georgetown	L				.33		.75	.13						.07						1.16	.45												
Girard, Lock No. 10	K	.15			1	.21	.11	.13	.05					.06		T				.52													
Grayson	O							.20													.76	.08	.02									
Greenup, Dam 30	O	.01			.03	.20	.13	.29	.01						.22					.43				.56	.40								
Harlan	C	.30			.15		.02	.30	.05					.12	1.17							.68		.19	.25	.48							
Hazard	K	.20													.85	.18				.40	.20	.15		.32		.19						
Heidelberg, Lock No. 14	K						.10	.31						.40	.10		T.				.13	.10	.25		.67							
Jenkins	K				.05		.09							.02	.16	1.83	.65						.07									
Louisa	B	.05		T.	.11	.08		.17						.04	.18	.59					.15	.35		.56	.60							
Lancaster	K	.15														.80				1.88				T.								
Lewisville	O	.2		T		.66	.08							1.31	.22	.75	.20					.29	.6									
Middlesboro	C					.37											.12				1.14	1.10	.24		.05	.02						
Mount Sterling	L				.80		.66	.32						.35	.03							.13										
Pineville	O						.40	.18	T					.49	.04					1.11	.60	T			T							
Rockville	B	.38			T.	T.		.42	T					.03	.78	T	T			T	2.35	.05		T		T						
Rockport	K	.10						.10								.62						.06	T									
Sacksand	K	.10			.04			.10						.09								.25										
Savanna, Lock No. 12	K	.15			.42			.1						.27	.30	T						.65										
Richmond	K	.2			.08		.20	.2						.44	.04	.12	.42					.10										
Valley View, Lock No. 9	K				.27		.60	.30						.50	.20	.20					.31	.10	.50									
Vanceburg, Dam No. 32	O	.17				.61	.31													.34	2.25										
Whitesburg	K	.75					.15	.86	.10								.28	.63			.04	.54	.33				.36	.31				
Williamsburg	C	.40					1	.86						.04		1.15					.04		.63									
Willow, Lock No. 13	K					.1	.05						.05	.12	.10					.64	.05	.12										

Except as otherwise indicated, [illegible] are generally made late in the afternoon, [illegible] preceding [illegible]
time of observation.
(D) Reference mark *** Regular Weather Bureau station. [illegible]
† Precipitation measured in the [illegible] for the preceding period.
‡ Separate dates of [illegible] for the preceding [illegible]
River drainage area in which station is located is indicated as follows: (B) Big Sandy (C) Licking; (K) Kentucky; (L) Salt; (O) Ohio; (S) Green; (T) Cumberland; (M) Mississippi

[illegible] Long Oak

[illegible] Small streams were low and rivers remained at [illegible]

canboats were blown from their mooring across the Ohio and beached on the south
de, and a tug was sunk. Lightning turned a 55,000 barrel oil tank and struck [illegible] room.
sidewise. About 500 trees were uprooted or blown down and about 200 houses partly
wholly unroofed. [illegible]

Errata for May, 1931.

[illegible]

Daily Temperatures for June, 1931.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	75	78	89	91	90	91	82	72	80	87	91	91	81	90	91	85	87	91	100	97	98	100	96	95	94	97	100	100	94	96	..	90.3
	Minimum	47	46	59	59	65	63	64	48	55	57	60	66	66	62	63	63	67	56	65	74	67	71	70	69	69	71	71	74	72	68	..	63.0
	Maximum	76	79	87	90	89	87	75	72	78	85	89	88	88	91	91	89	89	93	99	96	98	99	95	92	96	98	101	104	102	97	..	90.2
	Minimum	48	49	62	62	64	65	63	49	49	59	62	67	66	66	67	67	69	69	68	75	70	73	72	68	71	74	72	74	76	72	..	65.0
	Maximum	76	81	90	91	92	90	85	72	82	90	91	90	88	91	91	90	93	96	99	97	98	99	95	93	95	98	100	101	101	96	..	91.2
	Minimum	49	47	59	62	66	66	65	48	47	56	62	67	67	68	66	65	69	70	76	70	75	78	69	69	73	71	72	75	78	75	..	61.7
Farmington	Maximum	75	78	90	91	89	87	83	..	86	87	88	90	87	87	89	85	85	92	98	92	95	95	95	..	93	97	98	100	100	95	..	960.6
	Minimum	49	46	56	62	66	66	65	48	47	56	62	67	67	68	66	65	69	69	74	69	73	76	68	..	67	70	70	70	74	70	..	62.3
	Maximum	75	78	90	91	89	87	83	..	86	87	88	90	87	87	89	85	85	92	98	92	95	95	95	..	93	97	98	100	100	95	..	960.6
	Minimum	49	46	56	62	66	66	65	48	47	56	62	67	67	68	66	65	69	69	74	69	73	76	68	..	67	70	70	70	74	70	..	62.3
	Maximum	77	77	87	90	89	86	73	71	78	85	89	89	83	90	91	87	88	91	96	95	98	99	99	93	91	96	99	100	103	106	102	90.1
	Minimum	47	46	56	58	63	64	58	48	51	59	62	66	65	61	66	66	69	69	72	71	73	74	71	71	71	67	69	75	74	77	78	65.0
Henderson	Maximum	77	77	87	90	89	86	73	71	78	85	89	89	83	90	91	87	88	91	96	95	98	99	99	93	91	96	99	100	103	106	102	90.1
	Minimum	47	46	56	58	63	64	58	48	51	59	62	66	65	61	66	66	69	69	72	71	73	74	71	71	71	67	69	75	74	77	78	65.0
	Maximum	77	77	87	90	89	86	73	71	78	85	89	89	83	90	91	87	88	91	96	95	98	99	99	93	91	96	99	100	103	106	102	90.1
	Minimum	47	46	56	58	63	64	58	48	51	59	62	66	65	61	66	66	69	69	72	71	73	74	71	71	71	67	69	75	74	77	78	65.0
Hopkinsville	Maximum	79	83	90	93	90	91	85	76	82	90	91	91	86	92	91	90	91	93	96	97	98	101	98	94	96	99	103	105	105	101	..	93.0
	Minimum	50	47	57	59	64	62	64	48	47	57	64	62	65	63	66	68	69	70	72	68	69	72	68	69	72	72	71	74	73	..	..	63.4
Lewisburg	Maximum	74	85	91	93	94	89	81	77	82	91	90	89	89	91	91	90	91	93	97	96	98	101	98	94	96	99	103	105	105	101	..	93.0
	Minimum	50	47	57	59	64	62	64	48	47	57	64	62	65	63	66	68	69	70	72	68	69	72	68	69	72	72	71	74	73	..	..	63.4
Lewisburg	Maximum	74	85	91	93	94	89	81	77	82	91	90	89	89	91	91	90	91	93	97	96	98	101	98	94	96	99	103	105	105	101	..	93.0
	Minimum	50	47	57	59	64	62	64	48	47	57	64	62	65	63	66	68	69	70	72	68	69	72	68	69	72	72	71	74	73	..	..	63.4
Madisonville	Maximum	78	82	91	92	91	92	77	78	82	90	92	87	90	91	90	90	90	95	98	91	96	101	97	96	97	99	101	102	104	98	..	91.6
	Minimum	47	48	59	59	61	60	63	50	45	56	62	66	64	62	65	65	66	67	71	70	70	72	67	66	67	74	72	74	75	74	..	61.6
Mayfield	Maximum	77	83	90	92	91	92	77	78	82	90	92	87	90	91	90	90	90	95	98	91	96	101	97	96	97	99	101	102	104	98	..	91.6
	Minimum	47	48	59	59	61	60	63	50	45	56	62	66	64	62	65	65	66	67	71	70	70	72	67	66	67	74	72	74	75	74	..	61.6
Murray	Maximum	77	83	90	92	91	92	77	78	82	90	92	87	90	91	90	90	90	95	98	91	96	101	97	96	97	99	101	102	104	98	..	91.6
	Minimum	47	48	59	59	61	60	63	50	45	56	62	66	64	62	65	65	66	67	71	70	70	72	67	66	67	74	72	74	75	74	..	61.6
Owensboro	Maximum	75	69	78	86	87	87	83	69	74	74	86	86	78	84	85	85	85	86	88	86	89	92	89	89	89	91	93	98	98	97	..	87.3
	Minimum	47	50	60	61	63	62	59	48	48	60	59	67	64	65	65	66	66	68	72	68	72	74	71	71	71	70	68	67	69	71	70	64.4
Owensboro	Maximum	78	82	91	92	91	92	77	78	82	90	92	87	90	91	90	90	90	95	98	91	96	101	97	96	97	99	101	102	104	98	..	91.6
	Minimum	47	48	59	59	61	60	63	50	45	56	62	66	64	62	65	65	66	67	71	70	70	72	67	66	67	74	72	74	75	74	..	61.6
Paducah	Maximum	76	84	91	92	91	95	87	78	81	91	92	87	88	92	92	88	87	91	96	94	95	94	96	96	98	98	100	100	103	100	..	94.4
	Minimum	49	48	59	62	66	64	58	48	51	59	62	66	65	64	64	61	67	62	67	71	70	72	67	66	67	74	72	74	75	74	..	64.4
Princeton	Maximum	77	83	90	92	91	92	77	78	82	90	92	87	90	91	90	90	90	95	98	91	96	101	97	96	97	99	101	102	104	98	..	91.6
	Minimum	47	48	59	59	61	60	63	50	45	56	62	66	64	62	65	65	66	67	71	70	70	72	67	66	67	74	72	74	75	74	..	61.6
Providence	Maximum	77	83	90	92	91	92	77	78	82	90	92	87	90	91	90	90	90	95	98	91	96	101	97	96	97	99	101	102	104	98	..	91.6
	Minimum	47	48	59	59	61	60	63	50	45	56	62	66	64	62	65	65	66	67	71	70	70	72	67	66	67	74	72	74	75	74	..	61.6
Central Division																																	
Bowling Green	Maximum	76	77	87	87	86	85	74	66	74	75	87	91	87	86	84	82	82	85	96	94	94	89	82	86	93	97	96	100	90	94	..	85.8
	Minimum	48	49	55	62	62	62	66	48	42	60	62	62	62	60	63	60	63	59	58	64	63	65	65	65	69	70	71	68	73	71	68	60.1
Campbellsville	Maximum	74	81	87	90	89	92	89	76	79	81	94	96	89	91	91	89	91	93	96	98	99	99	95	95	96	98	100	100	96	90	..	89.4
	Minimum	46	42	56	58	61	62	63	48	43	55	56	67	61	63	65	62	62	67	66	63	61	67	65	65	68	67	70	72	71	68	..	61.7
Cynthiana	Maximum	82	85	95	95	96	94	87	75	82	92	93	91	89	92	93	91	92	94	99	94	96	98	95	95	95	98	100	103	105	104	..	94.1
	Minimum	50	58	55	62	67	66	67	55	47	56	60	67	65	66	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Danville	Maximum	82	85	95	95	96	94	87	75	82	92	93	91	89	92	93	91	92	94	99	94	96	98	95	95	95	98	100	103	105	104	..	94.1
	Minimum	50	58	55	62	67	66	67	55	47	56	60	67	65	66	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Elizabethtown	Maximum	71	78	84	89	95	90	85	73	81	88	91	93	85	88	86	83	91	93	94	99	96	94	88	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Glasgow	Maximum	71	78	88	87	84	88	77	67	79	86	91	92	88	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Harrodsburg	Maximum	74	80	87	89	86	90	85	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Hodgenville	Maximum	71	78	88	87	84	88	77	67	79	86	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Lebanon	Maximum	74	80	87	89	86	90	85	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Leitchfield	Maximum	74	80	87	89	86	90	85	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Lexington	Maximum	78	76	84	86	85	82	72	69	75	79	84	92	86	86	86	84	84	86	90	97	96	94	90	88	92	94	96	98	98	97	..	90.3
	Minimum	50	50	62	60	67	67	68	59	58	59	62	70	68	68	67	68	68	69	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Louisville	Maximum	72	77	84	90	87	91	86	76	79	88	87	89	87	89	87	89	87	89	94	96	97	97	96	95	95	97	98	98	98	97	..	90.3
	Minimum	45	41	56	55	62	60	60	52	41	49	52	65	61	64	65	64	66	66	70	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Madison City	Maximum	75	77	86	89	88	89	86	76	79	88	87	89	87	89	87	89	87	89	94	96	97	97	96	95	95	97	98	98	98	97	..	90.3
	Minimum	45	41	56	55	62	60	60	52	41	49	52	65	61	64	65	64	66	66	70	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Mayfield	Maximum	77	83	90	92	91	92	77	78	82	90	92	87	90	91	90	90	90	95	98	91	96	101	97	96	97	99	101	102	104	98	..	91.6
	Minimum	47	48	59	59	61	60	63	50	45	56	62	66	64	62	65	65	66	67	71	70	70	72	67	66	67	74	72	74	75	74	..	61.6
Middlesboro	Maximum	77	80	87	89	86	90	85	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Mount Sterling	Maximum	76	78	83	90	86	91	78	79	80	79	87	89	88	87	86	84	86	86	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	43	39	54	54	60	61	61	46	41	47	53	62	57	60	61	57	59	58	64	63	61	67	65	63	66	67	70	72	73	70	..	64.5
Owenton	Maximum	73	77	84	87	87	90	83	65	74	83	86	90	88	88	86	85	84	86	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	45	43	47	55	57	59	59	52	44	43	47	59	60	60	60	60	60	60	46	51	58	62	66	68	65	66	64	64	66	67	..	64.5
Owingsville	Maximum	67	70	80	85	87	87	78	66	77	80	85	92	85	85	83	82	80	85	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	47	50	60	65	63	66	66	63	58	48	55	60	68	67	68	67	62	68	56	61	64	68	67	72	72	73	75	74	73	68	..	64.5
Shelbyville	Maximum	75	78	88	90	88	92	89	76	79	88	91	93	85	88	86	83	91	93	94	99	96	94	88	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Springfield	Maximum	74	80	87	89	86	90	85	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Taylorsville	Maximum	74	80	87	89	86	90	85	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Williamstown	Maximum	74	80	87	89	86	90	85	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Eastern Division																																	
Ashland	Maximum	68	79	81	90	85	91	83	69	75	80	85	85	80	88	83	86	81	86	95	100	95	94	93	90	92	86	94	94	94	94	..	86.8
	Minimum	49	46	60	61	66	62	61	48	50	62	66	68	64	62	60	62	51	54	66	66	67	68	67	68	67	68	67	68	67	70	..	63.0
Catlettsburg	Maximum	70	79	83	90	87	91	85	70	76	82	87	87	82	88	85	86	83	88	96	100	96	95	93	92	94	88	96	96	96	96	..	87.7
	Minimum	49	46	60	61	66	62	61	48	50	62	66	68	64	62	60	62	51	54	66	66	67	68	67	68	67	68	67	68	67	70	..	63.0
Grayson	Maximum	70	78	85	87	86	90	86	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Harlan	Maximum	72	76	85	89	88	88	78	70	76	86	89	89	84	86	83	86	83	88	96	100	96	95	93	92	94	88	96	96	96	96	..	87.7
	Minimum	47	43	56	58	62	60	60	52	41	49	52	65	61	64	65	64	66	66	70	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Hazard	Maximum	72	76	85	89	88	88	78	70	76	86	89	89	84	86	83	86	83	88	96	100	96	95	93	92	94	88	96	96	96	96	..	87.7
	Minimum	47	43	56	58	62	60	60	52	41	49	52	65	61	64	65	64	66	66	70	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Jackson	Maximum	72	76	85	89	88	88	78	70	76	86	89	89	84	86	83	86	83	88	96	100	96	95	93	92	94	88	96	96	96	96	..	87.7
	Minimum	47	43	56	58	62	60	60	52	41	49	52	65	61	64	65	64	66	66	70	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Maysville	Maximum	69	78	86	88	87	89	85	73	77	79	87	90	85	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	43	43	49	60	63	62	60	52	42	59	64	62	62	65	62	57	51	52	54	61	66	65	64	67	68	64	68	68	68	70	..	64.5
Middlesboro	Maximum	77	80	87	89	86	90	85	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	51	46	56	59	60	61	59	51	43	50	59	61	63	68	64	52	50	50	59	62	67	68	67	68	67	68	67	68	67	70	..	63.0
Mount Sterling	Maximum	76	78	83	90	86	91	78	79	80	79	87	89	88	87	86	84	86	86	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	43	39	54	54	60	61	61	46	41	47	53	62	57	60	61	57	59	58	64	63	61	67	65	63	66	67	70	72	73	70	..	64.5
Owenton	Maximum	73	77	84	87	87	90	83	65	74	83	86	90	88	88	86	85	84	86	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	45	43	47	55	57	59	59	52	44	43	47	59	60	60	60	60	60	60	46	51	58	62	66	68	65	66	64	64	66	67	..	64.5
Owingsville	Maximum	67	70	80	85	87	87	78	66	77	80	85	92	85	85	83	82	80	85	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	47	50	60	65	63	66	66	63	58	48	55	60	68	67	68	67	62	68	56	61	64	68	67	72	72	73	75	74	73	68	..	64.5
Shelbyville	Maximum	75	78	88	90	88	92	89	76	79	88	91	93	85	88	86	83	91	93	94	99	96	94	88	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Springfield	Maximum	74	80	87	89	86	90	85	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Taylorsville	Maximum	74	80	87	89	86	90	85	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72	73	75	76	72	..	64.5
Williamstown	Maximum	74	80	87	89	86	90	85	67	76	83	91	92	87	87	86	84	82	83	90	97	96	95	93	91	95	97	97	98	98	97	..	90.3
	Minimum	46	44	55	58	61	64	61	66	57	61	66	70	66	67	67	67	69	70	72	68	69	72	68	69	72	72

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

THE LIBRARY OF THE
SEP 1931
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVI LOUISVILLE, KY., JULY, 1931 No. 7

GENERAL SUMMARY.

Prevailing high temperature and irregular rainfall brought about exceptional contrasts in crop condition. The eastern third of the State received timely rains in moderate to excessive amounts that relieved incipient drought, restored satisfactory conditions of growth, and replenished water supplies. In the southwestern counties the rainfall was generally sufficient to keep crops from suffering, but could not altogether support pastures. In most of the central upland district, the lower Green River basin, and the section southwest to the Purchase, precipitation was deficient and crops made uneven and often poor progress, depending on the type of soil and its varying resistance to drought. Early corn was caught in its critical stage of tasseling and silking and suffered considerable damage. Pastures largely dried up on the uplands. Because of the high temperatures and the surrounding dry districts, moisture received from local showers was quickly lost by evaporation. Under these conditions the effects of depleted subsoil were most pronounced, causing crops to exhibit distress quite soon after the showers. Moderate rainfall had only a temporary effect on the growth of corn and tobacco, and little of consequence on pastures or alfalfa. In about half of the State, pastures continued to deteriorate. The temperatures were high enough to interfere wiih the pollenization of corn, where soil moisture was deficient. The growth of tobacco was retarded and firing occurred in the driest areas. The heat and dryness injured tomatoes, causing curling of leaves and shedding of blossoms. In this relatively dry western section, however, there were many localities, favored by repeated showers, in which crops made reasonably good progress. The weather was favorable for threshing and hay harvest. The splendid crops of wheat and bluegrass seed were saved in perfect order. In some upland districts of the central and western counties the water supply remained deficient.

TEMPERATURE.

Based on reports from 40 stations the temperature for the State averaged 79.9°, which is 3.1° above normal. Except for a few cool days in the second and fourth weeks, consistently high temperatures prevailed. As in the preceding month, the high night temperatures caused much discomfort, The extremes were 104° at Greensburg on the 31st and 51° at Eubank on the 12th.

PRECIPITATION.

For the State, reports from 88 stations gave an average of 3.85 inches, which is slightly less than normal. The remarkable contrasts in precipitation are illustrated by the range in monthly amounts between 0.45 inch at Marion and 9.51 inches at Oneonta. In the section eastward from the Kentucky and Upper Cumberland basins from 4.0 to 8.0 inches occurred. Limited areas in the central and extreme northern bluegrass and in the southeastern mountain section received 6.0 to 8.0 inches. A small district east of the Lower Cumberland received more than 4.60 inches. The bulk of such rains fell in heavy single downpours that caused damaging wash-ing. Westward from the mountain and bluegrass areas to heavy rains the precipitation decreased sharply, averaging from 2.0 to 3.5 inches in most of the central district. The 1.0 to 2.0 inches occurred in a large section from Jefferson and Meade counties south to Green River, and also in several counties along the Ohio from Daviess to the Purchase. There were local showers from the 2d to 5th and more general but scarcely distributed rains from the 17th to 24th. Excessive local rains were reported on the 3d, 4th, 20th, and 23d. Dates with thunderstorms were: 1, 2, 3, 5, 9, 14, 15, 16, 17, 18, 19, 20, 22, 23, 31.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly Velocity.	Max. Velocity.* Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.93	30.10	9	29.70	23	3824	5.1	29	ne.	1
Cincinnati ..... Ohio	29.95	30.16	12	29.62	5	3231	4.3	30	sw.	22
Evansville ..... Ind.	29.94	30.12	12	29.66	5	4459	6.0	32	w	22
Lexington ..... Ky.	29.98	30.16	12	29.67	5	4322	5.8	40	n	5
Louisville ..... Ky.	29.93	30.17	12	29.66	5	5091	6.8	43	nw	19

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	75	56	85	326.4	447.1	73	15	1
Cincinnati ..... Ohio.	75	51	59	295.8	452.3	87	23	0
Evansville ..... Ind.	72	50	48	349.9	449.8	78	12	0
Lexington ..... Ky.	71	55	..	290.0	443.8	67	11	3
Louisville ..... Ky.	76	50	55	355.0	449.8	79	18	0

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Monthly average.	Departure from 40-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 40-year normal.	No. of days with .01in or more rain.	Average Number of Day. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
Mean .	76.8	.....	114	40	4.14	.....	9	16	9	6	0
1889...	75.1	− 1.7	8	50	5.62	+1.48	..	..	..	..	..
1890...	73.0	− 3.8	9101	44	2.66	−1.48	..	..	..	..	..
1891...	74.0	− 2.8	91	47	4.08	−0.06	..	..	..	..	..
1892...	76.5	− 0.3	100	48	3.30	−0.84	..	..	..	..	..
1893...	75.8	+ 2.0	101	50	3.48	−0.66	..	..	..	..	..
1894...	76.2	− 0.6	105	43	2.03	−2.11	..	..	..	..	..
1895...	75.2	− 1.6	99	49	5.75	+1.61	9	10	13	9	..
1896...	77.4	+ 0.6	103	47	7.44	+3.30	11	11	12	8	0
1897...	77.8	+ 1.0	107	50	4.29	+0.65	10	14	11	6	0
1898...	77.8	+ 1.0	102	48	4.71	+0.57	11	13	13	5	0
1899...	77.3	+ 0.5	109	47	3.78	−0.36	9	15	10	6	0
1900...	77.9	+ 1.1	101	50	4.91	+0.77	11	16	11	5	0
1901...	81.7	+ 4.9	112	48	1.72	−2.42	5	21	7	3	0
1902...	78.1	+ 1.3	107	48	1.91	−2.23	6	19	9	3	0
1903...	77.5	+ 0.7	104	49	3.53	−0.61	8	17	9	5	0
1904...	75.2	− 1.6	99	46	3.40	−0.74	10	16	9	6	0
1905...	75.9	− 0.9	102	52	5.93	+1.79	13	14	9	8	0
1906...	75.2	− 1.6	100	51	6.02	+1.88	11	14	9	8	0
1907...	78.1	+ 1.3	102	40	4.71	+0.57	9	18	8	5	0
1908...	76.9	+ 0.1	100	50	3.94	−0.20	10	16	8	7	0
1909...	74.8	− 2.0	99	48	6.01	+1.87	11	14	9	8	0
1910...	76.2	− 0.6	96	51	8.63	+4.49	16	10	9	12	0
1911...	75.8	− 1.0	105	42	2.28	−1.86	7	16	8	6	0
1912...	76.8	0.0	100	53	5.50	+1.36	12	13	10	8	0
1913...	79.9	+ 3.1	109	48	2.54	−1.60	7	17	10	4	0
1914...	78.8	+ 2.0	109	48	3.20	−0.94	6	17	9	5	0
1915...	75.7	− 1.1	102	49	5.30	+1.16	11	14	11	6	0
1916...	78.6	+ 1.8	102	52	4.17	+0.03	9	17	9	5	0
1917...	75.3	− 1.5	100	50	4.38	+0.24	11	12	10	9	0
1918...	73.8	− 3.0	103	46	3.28	−0.86	8	15	9	7	0
1919...	79.5	+ 2.7	104	50	2.10	−2.04	5	20	8	3	0
1920...	75.2	− 1.6	99	44	3.83	−0.31	9	16	9	6	0
1921...	81.1	+ 4.3	106	52	2.65	−1.49	7	17	10	4	0
1922...	76.4	− 0.4	102	47	4.77	+0.63	9	17	9	5	0
1923...	76.8	0.0	99	44	3.59	−0.61	8	17	9	6	0
1924...	75.7	− 1.1	99	45	3.33	−0.51	8	18	8	5	0
1925...	76.7	− 0.1	103	46	3.93	−0.21	9	15	10	6	0
1926...	77.6	+ 0.8	107	53	4.56	+0.42	9	16	9	6	0
1927...	75.7	− 1.1	101	45	3.71	−0.43	9	17	9	5	0
1928...	77.0	− 0.2	109	50	4.07	−0.07	8	17	10	4	0
1929...	76.7	− 0.1	101	46	3.97	−0.17	9	16	10	5	0
1930...	70.5	− 6.7	104	45	1.25	−2.89	5	21	7	3	0
1931...	79.9	+ 3.1	104	51	3.85	−0.29	8	18	8	5	0

Climatological Data for July, 1931.

Stations	Counties	Elevation above sea level.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, melted.	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	27	80.6	+ 2.8	100	17	55	12	38	4.60	+ 0.62	2.00	0	6	25	0	6	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	457	27	81.4	+ 3.4	101	18	59	11	39	1.55	− 2.68	0.40	0	7	15	17	4	sw.	W. A. Taylor.
Carrollton	Hopkins	420	41	81.4	+ 2.9	99	13†	56	11†	39	2.29	− 1.47	1.00	0	8	23	6	2	sw.	Brick Scantlworth.
Cedarbluff	Hopkins										1.59		0.58	0	8					W. D. Hatcher.
Ports Ferry, Dam 50	Crittenden	356	2																	C. R. Lovell.
Caseyville	Muhlenburg	509	14	79.8	+ 2.7	101*	19	56*	12	37b	4.76	+ 1.62	1.70	0	7	17	14	0	s.	Richard Stites
Henderson	Henderson	382	17	81.4		101	28	59	11	39	0.91	− 2.36	0.45	0	4	24	4	3	sw.	W. E. Graves.
Hopkinsville	Christian	554	35	81.9	+ 3.1	101	13	59	11	39	3.17	− 0.01	1.45	0	5	7	9	15	se.	Blaine Malone.
Hopkinsville	Ballard		2	81.0		103	1	55	11	43	2.61		1.06	0	6	20	10	1	s.	B. C. Paris.
Lewisville	Crittenden	571	53	81.4	+ 3.5	98	13	62	10†	30	0.45	−3.11	0.15	0	1	21	7	3	e.	Mrs. C. R. Sowell.
Margo	Graves	374	22	80.0	+ 2.1	99	1	56	25	34	3.65	−0.34	1.62	0	5	16	15	0	sw.	Harry B. Arnold
Mayfield	Graves	412	5	80.2		101	1†	53	12	42	2.09		1.41	0	4	9	10	12	s.	Henry S. Berry.
Murray	Calloway	479	34	79.9	+ 2.2	97	1†	55	11	34	0.84	−2.53	0.56	0	6	20	6	5	s.	George McClemary.
Owensboro	Daviess	404	3								0.80		0.65	0	5					
Owensboro, Dam 46	Daviess	404	3								1.86	−1.04	0.92	0	6	20	5	6	sw.	J. W. Lilley
Paducah, near	McCracken	316	14	79.1	− 0.9	97	1	58	10†	34	2.54	−1.08	1.23	0	5					Frank L. Brown.
Paducah	McCracken	341	42								3.01	−0.88	1.28	0	9	12	19	0	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	24	80.6	+ 2.7	98	13	59	11	35	1.09	−0.71	0.38	0	7					Thos. L. Wetzell.
Princeton, Lock 2	McLean	384	14								3.92	−0.44	1.32	0	8	21	5	5	s.	Wm. Shelton.
Rose Hill	Logan	590	29	*79.6	+ 1.9	93a	2†	55	12	39a	3.29		0.82	0	5					Earl Holder.
Uniontown, Dam 49	Union	357	3								1.60		0.83	0	5					
Central Division.																				C. L. Moore.
Anderson, Lock 15	Breckinridge	382	3								3.44		2.30	0	6					
Ashbrook	Jefferson	700	30	75.2	+ 2.1	97	30	53	12	38	5.36	+ 1.11	2.38	0	7	27	3	1	se.	C. E. Barret.
Audubon	Jefferson	687	34	73.5	− 0.4	100	2	51	12	40	3.51	− 0.37	0.55	0	8	22	2	7	ne.	Mrs. Emily T. Sisco.
Bardstown	Nelson	800	42	80.0	+ 4.3	102	17‡	50	12	51	1.59	−2.74	0.80	0	6	12	15	4	s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	569	42								2.58		1.12	0	4					T. Rone
Bowling Green, No. 2	Warren	469	6								6.78	−2.22	0.60	0	2					Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	419	14								3.74	−1.15	1.73	0	8					T. A. Lewis
Burnside	Pulaski	753	40								1.15	−2.18	0.62	0	3					Shelby Angel.
Carrollton, Lock 1	Carroll	422	32								5.68		2.49	0	7					Reuben Bentley.
Cecil Spring, Dam 36	Campbell	489	5								2.87		1.01	0	6	17	14	0	nw.	C. W. Williams.
Isle Dam, Bargin	Mercer	770	7	79.9		100	3	56	12†	37	2.60	− 0.94	1.00	0	6	16	12	3	s.	Mrs. Katie Payne.
Ballard	Pulaski	1177	37	78.4	+ 3.5	98	2	53	12	40	5.13	+ 1.07	1.45	0	9	27	1	3	s.	Sidney Wood.
Frankfort	Franklin	560	30	79.8	+ 2.9	101	2	53	12	40	2.40	1.75	0.95	0	6	25	4	2	e.	M. E. Johnson.
Franklin	Simpson	641	30	81.8	+ 4.0	101	2†	58	12	40	2.19	−3.35	1.50	0	5					Louis Shiddell.
Frenchburg	Powell	443	20								4.21		1.78	0	8					H. W. Sprague.
Grand Dam 38	Boone	780	5								2.58	−1.57	0.92	0	7	7	5	13	n.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	824	38	81.0	+ 4.4	104	31	58	12	42	2.54	−1.98	1.08	0	8					Miss Ruby L. Simpson.
Hiley Bridge, Lock 7	Jessamine	859	29								1.26	1.95	0.53	0	6	24	5	2	sw.	W. J. Piggott.
Irvington	Breckinridge	646	34	80.6	+ 3.3	97	29†	59	11	31										Caroline Grabbs.
Lancaster	Garrard	985	37								3.46		1.22	0	7					Anderson.
Lawrenceburg	Anderson	1062	5								1.38	−2.57	0.68	0	3	16	15	0	sw.	H. H. Willis.
Lebanon	Marion	635	35	81.0	+ 4.4	100	15	57	12	36	5.50	+ 4.85	3.57	0	11	15	13	3	s.	U. S. Weather Bureau
Lexington	Fayette	980	37	79.3	+ 3.5	96	17	63	11	24	2.52	−1.60	1.00	0	6					Horace Canter.
Lock 1, Kentucky River	Jessamine	523	29								3.95	+0.19	2.50	0	6					Frank Hitch.
Lock 2, Kentucky River	Boone	473	21								1.73	−1.97	0.42	0	10	16	11	4	sw.	U. S. Weather Bureau
Louisville	Jefferson	525	58	81.2	+ 2.6	97	14	62	12	29	2.68		0.55	0	5					A. G. Hubbard.
Maud	Pike	699	8								2.00	−0.89	1.15	0	8	24	6	1		Sisters of Loretto.
Maysville	Mason	737	55	79.4	+ 3.4	101	13†	52	11	42	3.38	−1.36	0.74	0	7					Ernest M. Seeley.
Moorefield	Nicholas	1000	5								2.00		1.00	0	6					Miss Ruth Fetta.
Moreland	Garrard	1000	5								2.70	−1.43	0.89	0	12	14	1	16	s.	
Mount Eden	Spencer	1000	5								2.67	−1.60	0.75	0	11	21	7	3	no.	E. D. Bourne.
Mount Eden	Spencer	785	29	79.0	+ 2.8	99	13	52	12	40	4.68	+0.18	1.70	0	9					H. K. Vaughn.
Mount Eden, Lock 5	Spencer	1000	5								4.53	+0.58	1.48	0	9	30	0	1	s.	Miss Nettie E. Simpson
Mount Eden, Lock 5	Shelby	526	12																	
Mount Eden, Lock 5	Grant	943	28	80.0	+ 4.3	102	17	57	11†	34	2.44	0.72	1.27	0	7					H. J. Lewis.
Mount Eden, Lock 5	Butler	533	14																	
Eastern Division.																				
Ashland	Jackson										7.54		2.80	0	13	19	10	2	nw.	W. A. Worthington.
Ashland	Boyd	534	14	80.0	+ 3.9	101	16	57	12	38	3.95	−0.09	0.55	0	11	15	6	16	w.	Jacob Armbruster.
Ashland	Lee	650	27	78.4	+ 2.8	98	17	52	12	40	4.12	−0.35	1.06	0	9	7	10	14	s.	Robert S. Smallwood.
Beattyville	Magoffin	1070	26	79.2	+ 3.2	99	13	55	12	37	8.12	−1.26	1.15	0	9	14	15	1	s.	Chas. C. Graham.
Campton	Wolfe	1070	26								6.50	−2.44	1.52	0	9					Kelly Walden
Clay City, Lock 9	Powell	691	5								4.42	+1.21	1.05	0	9					P. H. Kehoe.
Cynthiana	Harrison	1000	13								3.74	−1.46	0.63	0	8					L. V. Oldham.
Danville	Boyle	1000	12								2.51	−1.11	1.41	0	5	25	2	5	e.	Mrs. R. F. Stamper.
Frankfort	Franklin	848	28	78.2	+ 3.5	103	31	51	12	43	5.26		1.18	0	13					C. A. Glascock.
Georgetown	Scott	831	6								5.91	+1.04	1.80	0	11					John A. Walters.
Grayson	Carter	588	15								4.04		2.02	0	10					Col. Frank Powers.
Greenup	Greenup	580	6								2.56	0.99	1.05	0	10					T. Mitchell.
Harrodsburg, Dam 39	Mercer	840	11								5.96		1.70	0	11					W. W. Daniell.
Harlan	Harlan	1197	3	77.2		91	3	65	23	28a	6.60		0.73	0	10					Chas. O. Barig.
Henry	Henry	850	7								6.68	+1.66	1.65	0	10					S. C. Cole.
Lee	Lee	1001	14								5.25		1.76	0	14					H. B. Davidson.
Lexington	Fayette	1000	6								3.25	0.04	0.98	0	11					Russian Copley.
Lexington	Lexington	981	27								3.25	−0.40	0.86	0	11					Jeanett H. White.
Olive Hill	Carter		14								6.52	+4.08	2.56	0	11					
Owingsville	Bath	924	34	79.2	+ 2.4	100	2	55	13†	36	5.42	+1.32	1.52	0	10	13	8	10	se.	Perry E. Bennett
Maysville	Mason	724	34	79.2	+ 2.4	100	2	55	12	28	6.81	+1.47	1.57	0	10	16	15	0		Matthew Woodson
Middlesboro	Bell	1128	29					52	12	33	5.31	+0.73	1.48	0	9	22	5	3	w.	W. E. McKee.
Morehead	Rowan	962	11	78.9	+ 2.5	100	2	55	11	33	6.51	+0.73	1.48	0	11					Otto Estille.
Mount Sterling	Montgomery	1000	11								6.51	+2.77	5.08	0	11					Robert Bergess
Nicholasville	Jessamine	997	5								8.59	+4.84	2.24	0	11					W. S. Hall.
Olive Hill	Carter	656	29								4.17		0.89	0	11					
Paris	Bourbon	950	6								4.77		2.23	0	10					R. W. Jones.
Pineville	Bell	1142	5	78.6		99	14	53	13	43	7.27		2.23	0	11					Walter T. Bush
Richmond	Madison	843	5								4.12	−0.73	0.95	0	9					J. W. Crooke.
Salyersville	Magoffin	1000	13								5.98	+1.91	1.25	0	10	25	0	6		Thos. Sullivan.
Vanceburg, Lock 12	Lewis	525	26	78.4	+ 1.7	97	3	60	11†	25	5.14	+2.87	1.50	0	11					
Versailles	Woodford	961	18								3.99	+1.09	0.81	0	10					H. M. Rumin
Versailles, Lock 9	Woodford		26								8.1		1.86	0	12					C. B. Zimmerman.
Wallins Creek	Harlan	1142	5								4.07	0.63	1.18	0	8	24	2	5		H. F. Davis.
Williamsburg	Whitley	1000	24	76.4	+ 0.2	103	17	55	12	33	2.05	−1.20	0.75	0	5					Jessie Hicks.
Williamsburg	Laurel	691	12								2.85	2.21	1.08	0	8	18	8	5	s.	
Winchester	Clark			79.9	+ 3.1	104	31	51	12	43										

[illegible] Lock 3, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

* Also on one or more days. † Reported too late to be included in the monthly summary. ‡ Instrument(s) changed during month.
a Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.
b Lock 7, Carrollton, Ky.; Lock 8, Frankfort, Ky.; Lock 9, Lawrenceburg, Ky.; Lock 11, Lexington, Ky.; Lock 12, Versailles, Ky.; Lock 13, Frankfort, Ky.

MISCELLANEOUS.

July 7.—A rainfall of 3.25 inches in one hour at Lexington caused considerable damage by flooding basements. At Midlesboro a windstorm damaged several thousand dollars. At Simpsonville [illegible]

Lightning destroyed a barn and contents valued at $15,000.

July 16.—A man was killed by lightning in the open near Ruddles Mills, Bourbon County. Wind destroyed a large tobacco barn, with a loss of about $2000, and has caused some damage to tobacco in the vicinity of Athens, Fayette County.

Daily Precipitation for July, 1931

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
[illegible] Dam				1.60			.65																									
[illegible]		T.	.65		T	.30	.25			T					T			T	.35	1.10	.20	.55									4.60
[illegible]			1	.11		.02													1	.05	.10	.40	.05	.41								.84
[illegible]				.02		.17														.05	.10	.40	.05	.40								.97
[illegible]		.31	.65			.45	.22						1			.35				.02	T			.02	.02							.93
Henderson																						1.75										1.75
Hopkinsville			.64	.11		.46														.45	.10	.50										1.51
Lexington		.25		.35																	.01	.11										.37
Marion																					.54	.04		.40								.98
Mt. Sterling				T																		.40										.40
Murray			1.55																													
Owensboro		1.44	T	T	T	T			T												.10											.10
Owensboro, Dam 46			T			T	.05			T					T		T	T		.15	.01	T	.22	.1								.38
Paducah (near)			T			T	.20			T										.13		.02										.15
Paducah		.26	.20		.08															.08	.26	.02										.56
Princeton			.52	.02	.10	.08														.05	.24											.29
Tennessee, Lock No. 2			.40	.65		.32	T		T													1.10	T	T								2.47
Tennessee, Lock No. 2				.04			.37	.84						.62		T				.12	.74	1.28		.12	T		.3					3.61
Uniontown, Dam 49				.41	.02		.5															.04		.02								.06
Uniontown				.10																		.08										.18
Central Division																																
Addison, Dam 45					2.30		.02	.10																								
Beechgrange			2.35		.20																	.07										.07
Bardstown					.05	.07													1.20	.31	.05	T	T	.02								1.63
Bowling Green		.05	.02																													
Bowling Green, No. 2				.17																	T											.17
Brownsville, Lock No. 6																						1.12	.4									1.52
Burnside																				T	T											
Carrollton				.2	.42	.9	T							.08	T				.22	T	.10	.52	T	T	T								2.04
Cecil Spring, Dam 36				.2																.12												
Dix Dam, Burgin						.11													.17			.55	.76		.28	T							1.19
Edmonton			.62		.02																.01	1.01	.81	.06								2.01
Frankfort						.2																										
Franklin			1.35	1.45		.04	T		T					.1								1.00	1.11									3.60
Gest, Lock No. 3					.40	.50							15	.10					T		.10	T	.28	.27								1.15
Grand, Dam 35				1.1		.02														.35	.15											.52
Greensburg				1.2		.07			T											.05	.12	.4	.8	T								.29
High Bridge, Lock No. 7				.02		.16															.2	1.2	1.5	.60	.61							4.21
Hopkinsville				.21	.01															.61		.57	.15									2.68
Jamestown			.75		T															.14		1.1	.55	.12								2.51
Jamestown City																			.15	.7	.52			T								.74
Lancaster				.03																												
Larkfield		T.	.10											.00	.06					.2		1.22										1.28
Lexington		T.	3.50	.01	.32			T							T	1.27		1.59	T.	.15	.57	.11	.12									3.46
Lock Bluckman, Lock No. 8				.30	T											.10					1.1												1.40
Prospect, Lock No. 2		T.	2.50																		.10	.28											.38
Pursevillepost		T.	.36	.13	T.		.01	T						T.					.12	.10	.01	.24	.28										.75
Simmonsville			.15											.24				.03	T.	.15	.15	.12	.7	T										.49
South																				.36		.40												.76
Wilson, Lock No 6						.07															.01	.10	.05	.1		.01								.27
Wilsonville						.20															.42		.25											.67
Taylorsville		.02	0	.50	.01		.02														.42		.25		.15								.84
Tyrone, Lock No. 5		T	.14	.03	.14	.09	.01													.05		.25	.30	.05	.1								.94
Shannonstown		T	1.70	.6	.42										.01					.06	.6	.75	.34	.06									2.49
Country, Lock No. 4				1.45		.12														1	.05	.16	.90	.15									2.27
Eastern Division				.28	.42	.02				.02					.10	.03				.15	1.40	.08	.4	.2									4.38
Annville															.90						T.	1.10	.24			T							2.24
Ashland			.01	.2		.83	.01	.02								.12		.01	.61		1.87	.6	.80	.84	.1								6.27
Barryville				.1		.06										.01		.05	.02	.05		.80	.3	.6	.40								1.84
Bone			1.46			.16	T											T			.42	.27	.2	.1								2.97
Bridge Hill, Lock No. 11				.21	.14	.17	.3							T		T		T					.1									4.31
Centralia					1	1.01		.10							.12		T	T	T	1.05	1.8	.15	.78	.1	T								3.32
Dalmouth			.05	.6		.05				.45						T		.06			.2	.25	.1	.1								6.99
Farmers				.35		.40														.08	.27	.02	.25	.11	.1								4.32
Greensburg				.51																.79				.42									2.72
Ford, Lock No. 10			.01		.47															.01	.6	1.18	.12	.3									7.77
Jessamine			1.05	.6		.14			T				T	T		1.30				.8	.2	.54	.2	.10									3.45
Lexington, Dam 30		T.		.23						.02						.05	.5	.8	.2	.2	.17	.7	.3										3.42
Marion				.57	.04	.1	.1		T	.07						.41	.50	.02				.4	.3										3.86
Morehead				.5									1.55									.1	.1	.12	.6								5.55
Middleburg, Lock No. 14			.5	.05	.1			.01								.50				.02		.1		.05									4.90
Paris		.1		.07	.2	.10			.50			.2	.47						.24		.01	.2		.52									5.25
Rochester				.05		.02	.11								.77	.17	.02	.10		.2	.2	.1	.2	.17	.20								3.45
Sadieville			T	.24		.2			.08					.12		.1		.2	.2	.1	.1	.1	.1										8.89
Mount Sterling		1.45	.3	.57									1.20					.2	.34	.1	.2	.07	.5	.40									5.02
Swanta Dam 35			1.2		.4					.05								.2	.34	.1	.2	.07	.5	.40	.16								6.84
Waverly			.4			T		T	.05											.05	.2	.1	.2	.12									5.71
Watersburg				2.12	.08	.1										T				.05	.2	.1	.2	.12									9.51
Whitehead				.21	.2	.25														.10		.42	.1	.10									1.08
Wilmore, Lock No. 12			.2	.11		.54		.09							.85		.11			.08	.10	.05	.05	.05									2.27
Richmond				.1		.20	.15	.22							T	T	T		T		.02	.02	.2										7.75
Valley View, Lock No. 6			1												.01		.07	.2		.1	.1	.1	.1	.1									4.12
Versailles, Dam No. 32		.50			.54										.35		.26		.1	.1	.1	.1	.1	.1									3.46
Wilmington						.01													.4	.02	.01	.01	.1	.1									6.04
Williamsburg			.01		.25	.61		1.10							.01					.02	.01	.01	.1	.1	.1								3.40
Willow, Lock No. 13					.1	.20									.70					.03	.54	1.18	.02		.25								8.19
[illegible]																				.02	.25	.01	.1									2.06

Except as otherwise [illegible] time of observation.

(Reference mark [illegible]) Precipitation [illegible]

T. Precipitation [illegible]

[illegible] Separate dates of [illegible]

River [illegible]

July 22.—Hail damaged crops in Bourbon County. Several persons were shocked [illegible] when lightning struck a barn near Paris. Windstorms damaged crops and power [illegible] lines in Letcher County.

July 23.—Lightning destroyed a tobacco warehouse at [illegible] $60,000.

Rivers.—Streams were but little influenced by the heavy local rains, and remained at low stages.

Daily Temperatures for July, 1931.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	96	96	99	91	90	89	92	92	87	89	90	93	93	98	96	98	100	98	99	97	85	94	90	86	85	93	92	97	99	98	99	93.7
	Minimum	72	73	73	71	67	69	65	67	56	55	59	61	69	68	70	69	71	72	74	72	70	67	70	69	59	59	58	69	69	71	72	67.5
Calhoun	Maximum	99	96	97	91	88	88	93	95	90	92	93	94	101	95	96	98	96	99	96	92	88	92	86	90	90	93	93	95	94	95	98	93.6
	Minimum	74	75	74	72	74	65	69	71	68	66	69	60	62	71	71	70	74	74	72	71	73	70	72	70	60	61	66	70	72	74	75	69.3
Earlington	Maximum	98	98	94	90	89	83	94	93	91	90	92	95	99	97	97	98	99	95	93	95	72	71	72	70	59	58	65	69	72	74	76	88.8
	Minimum	74	74	74	73	73	67	70	70	66	57	56	56	60	71	73	71	73	74	74	74	72	71	72	72	58	58	58	68	69	73	73	68.9
Greenville	Maximum	96	98	93	90	..	91	96	90	88	86	88	92	96	96	95	96	96	94	101	94	94	95	92	90	93	88	85	86	..	92	94	93	98	b62.6
	Minimum	72	70	71	71	..	67	68	69	66	58	56	55	59	68	68	68	70	70	78	67	70	67	70	67	60	..	58	67	69	70	71	b66.9
Henderson	Maximum	98	101	94	93	89	89	96	95	92	94	91	95	101	97	100	99	98	95	95	92	90	93	88	85	90	94	96	95	96	96	96	94.3
	Minimum	77	76	74	71	74	61	67	70	65	61	59	61	62	70	71	71	71	73	78	71	73	70	67	65	59	65	66	70	71	73	73	68.7
Hopkinsville	Maximum	99	100	97	92	88	90	95	94	91	93	93	98	101	97	96	97	100	97	98	95	88	95	87	83	92	95	96	97	97	98	98	94.7
	Minimum	73	72	71	71	74	70	68	71	70	62	59	61	62	69	70	72	73	74	71	71	71	69	69	64	69	64	61	67	69	71	72	69.1
Lovelaceville	Maximum	103	99	94	91	96	90	90	94	92	94	95	95	101	98	100	98	92	96	100	96	90	94	88	84	89	95	94	96	96	96	97	94.5
	Minimum	73	71	75	71	70	64	65	69	66	57	55	59	58	68	70	68	72	71	73	71	73	69	69	71	65	57	67	67	67	71	73	67.5
Marion	Maximum	98	96	94	93	90	90	94	91	89	88	90	94	98	95	94	96	98	94	96	97	85	87	84	86	86	90	94	95	93	94	95	92.8
	Minimum	75	72	71	70	72	64	68	70	66	62	62	73	71	72	69	72	74	72	72	72	73	69	73	70	63	64	70	73	71	74	74	70.1
Mayfield	Maximum	99	95	95	89	86	89	92	91	90	90	93	91	98	96	98	96	90	91	96	95	88	91	88	80	90	92	92	95	94	94	98	92.3
	Minimum	75	70	70	72	71	67	67	67	61	59	60	61	64	67	70	70	73	70	73	71	70	67	69	69	56	62	68	68	70	72	72	67.8
Murray	Maximum	101	97	95	92	87	90	94	95	90	90	91	95	100	97	100	97	95	93	100	101	88	95	85	88	79	90	94	95	95	95	96	93.8
	Minimum	73	70	72	73	72	70	64	70	66	54	54	58	58	65	67	68	71	71	72	70	71	66	72	70	61	62	64	65	69	68	69	65.5
Owensboro	Maximum	97	97	98	92	91	88	91	92	88	89	89	94	95	96	96	96	96	94	91	91	85	92	87	88	88	91	93	93	94	94	94	91.8
	Minimum	74	73	72	71	73	61	66	69	66	58	58	64	63	70	71	70	73	72	75	70	71	67	70	69	62	64	63	68	70	71	72	68.0
Paducah (near)	Maximum	97	95	88	87	88	85	92	89	85	88	90	92	95	93	94	95	96	90	95	87	85	92	83	82	90	92	90	91	90	92	92	90.3
	Minimum	71	73	71	73	70	63	67	68	62	58	58	64	63	70	71	70	73	72	74	74	71	68	67	70	58	58	68	68	68	69	69	67.9
Princeton	Maximum	97	94	91	90	85	85	92	90	88	89	89	92	98	94	92	94	94	96	94	94	87	91	84	80	90	94	96	95	95	96	96	91.6
	Minimum	75	72	74	72	72	66	69	70	68	61	59	61	63	65	72	71	72	74	74	74	73	71	71	71	74	70	63	60	67	70	72	72	73	69.5
Russellville§§	Maximum	98	98	94	89	84	83	90	90	88	90	94	95	98	98	96	98	98	96	97	96	84	91	84	80	90	94	96	95	96	96	..	a91.6
	Minimum	72	71	70	71	70	69	70	69	69	59	59	55	61	67	66	68	70	72	72	71	70	68	72	67	62	60	65	67	70	71	72	67.6
Central Division.																																	
Anchorage	Maximum	96	95	94	89	86	82	90	90	83	87	85	91	95	96	95	95	95	94	89	89	78	89	87	84	85	84	93	93	95	97	96	90.4
	Minimum	68	71	69	70	71	63	67	67	67	56	55	53	67	66	68	68	70	71	68	71	70	67	67	65	55	58	59	67	68	71	70	65.9
Bardstown	Maximum	99	100	100	89	92	86	90	92	87	89	88	94	98	100	99	99	97	98	92	94	80	92	87	89	88	91	94	95	98	99	99	93.4
	Minimum	73	73	73	71	73	66	67	67	66	59	55	54	62	68	70	71	71	71	71	72	71	66	69	66	60	59	59	68	70	71	71	67.2
Bowling Green	Maximum	100	101	93	96	91	92	96	100	93	95	95	100	99	97	98	101	102	98	98	88	86	95	92	84	92	96	96	98	99	101	102	96 1
	Minimum	74	72	75	73	73	69	70	69	69	62	60	59	65	70	70	72	74	75	73	73	71	69	72	69	62	63	67	71	73	73	75	69 8
Dix Dam	Maximum	96	97	100	91	93	84	92	91	91	97	87	98	98	98	99	95	99	93	94	94	81	90	88	86	88	86	86	86	88	89	92.0	
	Minimum	64	75	74	72	72	72	72	66	67	66	66	57	56	66	71	70	73	72	74	71	74	70	61	68	68	62	60	61	67	71	74	73	67 8
Eubank	Maximum	96	98	93	89	92	84	88	92	85	87	87	93	97	94	95	96	97	90	94	94	80	89	87	86	87	89	92	94	94	95	96	91.3
	Minimum	67	68	71	71	69	71	67	60	65	62	54	51	60	65	68	65	67	67	67	70	70	68	65	68	67	65	60	59	64	70	68	69	65.5
Frankfort	Maximum	99	101	97	92	94	86	93	93	87	88	89	93	98	98	98	100	99	97	95	94	81	93	91	89	86	90	95	97	99	99	98	93.8
	Minimum	71	70	73	71	71	68	66	65	62	62	56	58	60	67	68	70	68	72	69	70	72	69	66	66	56	56	57	64	68	70	70	65.9
Franklin	Maximum	98	101	97	97	89	92	94	98	92	93	95	98	97	96	98	99	104	99	99	100	83	85	91	86	92	96	97	98	98	100	100	95.4
	Minimum	74	74	72	73	73	70	69	69	71	62	59	58	67	72	69	70	74	70	73	72	71	70	74	69	68	64	67	72	74	74	76	70.2
Greensburg	Maximum	96	101	98	91	95	88	94	96	89	92	92	95	101	98	98	101	101	97	98	100	81	94	90	87	90	92	97	97	100	101	104	95.3
	Minimum	70	71	72	72	71	70	69	65	66	63	55	53	60	66	66	68	70	70	70	70	64	69	65	64	61	60	61	66	69	69	71	66.7
Irvington	Maximum	96	94	96	89	88	83	88	88	88	87	87	87	91	95	95	94	96	93	93	92	93	88	87	87	90	94	96	97	96	97	96	91.3
	Minimum	74	75	74	72	73	66	69	70	69	63	59	60	66	72	73	72	73	75	73	73	72	70	72	70	62	62	64	71	74	74	76	69.9
Junction City	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Leitchfield	Maximum	97	96	98	91	91	87	90	92	88	88	87	93	100	98	94	98	98	97	93	91	82	92	87	86	89	91	96	95	96	97	98	92.8
	Minimum	72	76	73	72	73	66	70	69	68	60	58	57	65	70	71	70	73	75	73	72	71	70	70	69	64	60	64	70	72	74	75	69.1
Lexington	Maximum	95	92	93	87	90	81	86	90	80	85	83	89	94	94	94	93	96	91	90	90	76	87	84	83	86	91	92	93	96	97	98	88.4
	Minimum	76	78	69	69	69	69	71	70	66	65	63	67	72	73	71	69	74	67	72	70	68	65	67	67	64	68	71	74	74	76	77	70.0
Louisville	Maximum	96	96	94	90	89	84	89	89	86	86	85	91	96	97	95	94	92	95	91	91	82	92	87	84	88	89	94	94	96	96	96	91.0
	Minimum	76	78	73	72	73	68	70	71	67	65	64	62	72	74	76	74	75	75	70	72	72	72	68	63	63	68	75	77	78	79	77.8	
St. John	Maximum	96	99	98	92	94	88	94	94	90	90	89	94	98	101	100	97	99	98	94	94	83	94	89	88	88	89	95	100	98	99	101	94.8
	Minimum	68	79	68	66	67	59	64	63	64	55	52	53	67	64	64	64	67	77	64	67	65	63	65	64	56	58	57	54	65	66	68	64.0
Shelbyville	Maximum	97	98	96	90	90	85	91	93	88	88	88	94	99	99	99	98	101	98	94	92	80	92	89	85	85	88	95	96	97	98	98	92.9
	Minimum	72	74	69	70	73	74	65	68	65	60	58	59	65	68	70	71	71	73	70	72	71	68	68	66	58	62	63	70	71	72	73	68.1
Taylorsville	Maximum	96	94	93	90	91	86	89	90	86	87	85	92	93	96	95	96	94	95	74	91	90	91	89	84	85	88	90	92	94	95	95	90.7
	Minimum	72	74	74	72	72	71	68	65	65	68	58	52	61	67	68	70	69	72	74	73	68	69	67	66	58	58	59	68	69	70	71	67.2
Williamstown	Maximum	100	99	93	92	93	85	92	91	89	89	87	92	96	96	99	102	99	97	78	92	88	95	93	88	88	87	89	93	96	98	99	93.2
	Minimum	72	75	73	69	70	66	65	67	65	60	57	58	65	71	69	70	70	71	68	72	70	71	68	64	57	60	61	68	71	74	73	66.9
Eastern Division.																																	
Ashland	Maximum	95	98	95	89	93	87	88	92	89	84	85	90	100	98	96	101	96	86	97	96	80	92	88	87	85	87	94	95	97	97	98	92.1
	Minimum	72	73	75	74	71	73	63	65	65	67	59	57	62	72	68	62	75	71	70	71	71	65	66	67	61	59	62	68	69	74	73	67.8
Beattyville	Maximum	98	98	88	87	91	86	87	91	90	87	86	92	98	96	96	94	97	94	88	93	75	89	87	86	84	89	95	95	95	95	97	91.6
	Minimum	68	70	69	70	69	69	65	60	63	62	57	52	58	65	64	64	66	70	69	69	68	64	65	64	59	60	65	67	70	69	65.4	
Berea	Maximum	97	98	93	88	93	85	86	92	85	87	86	92	96	96	96	95	98	95	92	94	75	89	87	84	87	88	92	94	95	95	94	91.4
	Minimum	69	73	72	71	70	70	67	64	64	64	56	55	62	66	65	63	73	73	70	72	72	70	67	64	64	64	62	63	70	74	75	67.1
Farmers	Maximum	95	97	97	89	92	85	88	90	86	96	86	89	98	98	95	96	99	96	94	97	77	90	86	87	86	87	93	93	97	96	100	91.9
	Minimum	68	71	72	71	69	71	61	59	62	57	51	53	66	66	63	67	68	71	67	68	69	63	63	64	57	54	57	60	65	73	69	64.4
Harlan§§	Maximum	89	89	91	88	85	86	86	88	88	..	..	..	..	..	..	..	..	..	..	..	90	84	83	82	84	85	88	90	..	..	84	88	90	.....
	Minimum	67	70	70	70	70	70	66	65	67	..	..	..	..	..	..	..	..	..	..	..	..	68	66	63	66	68	66	..	..	..	..	66	72	.....
Maysville	Maximum	97	100	95	90	95	85	86	92	86	87	85	91	98	98	96	98	98	93	93	79	91	87	85	89	93	95	95	96	99	92.6		
	Minimum	71	72	74	71	70	72	61	63	60	63	56	56	62	67	67	67	71	71	68	70	68	62	64	64	56	60	60	64	68	75	71	66.9
Middlesboro	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	67	68	68	69	68	70	67	64	63	63	55	52	59	66	65	66	67	65	65	67	67	64	68	66	66	64	65	65	68	69	65.1	
Mount Sterling	Maximum	98	100	97	94	94	87	89	91	82	86	88	89	98	97	96	97	98	97	93	95	86	93	97	87	85	87	93	94	99	99	99	92.3
	Minimum	68	71	69	68	68	67	62	61	63	61	55	57	66	66	65	68	68	68	64	68	67	63	61	63	57	56	54	61	67	73	70	63.8
Quicksand	Maximum	99	99	98	96	93	85	88	93	91	88	88	91	96	96	96	97	97	94	90	93	83	88	88	87	89	89	91	94	94	96	97	92.1
	Minimum	69	69	70	69	69	69	66	67	65	61	56	55	53	63	74	67	66	69	68	67	67	62	61	65	64	60	62	66	67	69	71	65.1
Richmond	Maximum	90	95	97	92	81	90	81	86	87	82	82	78	85	93	92	92	92	92	90	90	72	90	87	85	87	89	93	94	99	99	99	88.0
	Minimum	72	73	72	70	72	70	67	67	64	60	60	59	60	67	70	70	72	70	72	70	67	65	67	64	63	65	70	73	74	75	68.8	
Williamsburg	Maximum	96	101	102	95	92	85	90	96	87	93	88	95	98	99	96	96	97	96	94	95	90	90	90	90	95	95	98	102	100	95	95.4	
	Minimum	70	70	72	71	70	70	67	65	65	63	57	55	61	66	66	67	69	67	70	69	69	66	68	67	71	66	66	70	70	70	71	67.3

§§ Instruments are read in the morning; the maximum temperature than read is charged to the preceding day, on which it almost always occurs

a, b, etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville 8-31-31 1100

51.05
NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
VOL. XXXVI LOUISVILLE, KY., AUGUST, 1931 No. 8

GENERAL SUMMARY.

During the first few days high temperature and deficient rainfall remained unfavorable in the dry central and western districts. In the second week generous rains in most of the State greatly improved the agricultural situation. Pastures began to revive in the western counties, and improved or held their own in eastern sections. On most of the central uplands these rains were not sufficient to restore pastures. Even where they started grass, subsoil dryness soon checked its growth. These rains were too late for early corn in the same district, and also in the lower Green River Valley. Late corn was helped and tobacco grew out rapidly to a fair size by the time topping had to be completed. Cutting proceeded somewhat irregularly, delayed by the greening and vigorous growth resulting from the rains. Tomatoes, fall forage crops, and late vegetables improved decidedly. Heavy and more general rains in the third week maintained this growth and had a further beneficial effect on pastures. These rains finally reached all dry districts in moderate to heavy amounts, bringing about a general revival of late crops. Surface water supplies were renewed and considerable run-off occurred in the eastern counties. Moderate rains in the last week, in addition to the moisture already received, went far toward restoring normal growth in central and western districts. As a rule crops made good to excellent progress throughout the month in the eastern counties, where soil moisture had been generally sufficient. The showery weather late in the month was unfavorable for curing tobacco and harvesting alfalfa. There was some complaint of tobacco sweating in barns. Temperatures below normal in the last half were not favorable for growth of late corn. Some fall plowing was done, but in general this work awaited the harvesting of tobacco.

TEMPERATURE.

Reports from 42 stations gave a temperature average of 74.9 for the State, which is slightly less than normal. The first nine days and a short period near the middle were decidedly warm, otherwise moderately cool weather prevailed. After the first decade night temperatures were mostly comfortable. The extremes were 102° at Bowling Green on the 1st and 45° at Farmers on the 30th.

PRECIPITATION.

The average precipitation, obtained from reports of 84 stations, was 5.35 inches, which is 1.63 inches above normal. This is the largest monthly average for 18 months and the second time within that period when the normal has been exceeded. Light to heavy local showers occurred nearly every day from the 1st to 14th and 25th to 29th. Heavier and more general rains occurred in the period 17th-22d. The distribution was quite irregular, with extraordinary variation in amounts reported from adjoining counties. Areas of a few counties in the western Purchase and lower Green River Valley received 5.0 to 8.0 inches. Similar rainfall occurred in the southeastern counties, including practically all of the mountain section and much of the south-central district. In a belt from the lower valleys of the Cumberland and Tennessee northeastward to the Ohio and Big Sandy Rivers the amounts ranged from 3.0 to 5.0 inches, and in a few scattered stations less than 3 inches. Despite the heavy local character of many of the rains, these widely distributed amounts gave Kentucky 1.67 inches above normal for July, and with thunderstorm rains [illegible]

PRESSURE AND WIND.

Stations.	Atmospheric pressure (reduced to mean of 24 hours)					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Average hourly velocity.	Prevailing direction.	Number of days with high winds.	Highest velocity.
Cairo	30.03	30.26	18	29.79	9	4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cincinnati	30.05	30.26	15	29.70	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Evansville	29.94	30.24	18	29.76	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lexington	30.07	30.26	15	29.72	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Louisville	29.96	30.14	18	29.76	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] day [illegible] month period. [illegible] [illegible]

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.			Number of clear days.
	7 a. m.	Noon.	7 p. m.	Total hours of possible sunshine.	No. of hours of sunshine.	Percentage of possible.	80 per cent or more.	20 per cent or less.
Cairo	[illegible]	60	68	302.4	326	72	16	1
Cincinnati	[illegible]	60	68	279.9	423.5	66	15	[illegible]
Evansville	[illegible]	62	60	281.8	421.5	73	11	[illegible]
Lexington	Ky.	62	[illegible]	191.5	421.7	45	6	[illegible]
Louisville	Ky.	84	[illegible]	267.4	421.5	49	7	[illegible]

Property of the University of Kentucky Libraries

COMPARATIVE DATA FOR AUGUST.

Year	Temperature: Monthly average	Temperature: Departure from 30 Year Normal	Temperature: Highest	Temperature: Lowest	Precipitation: Monthly average	Precipitation: Departure from 30 year normal.	Precipitation: No. of days with 0.01 or more.	Average Number of Days: Clear.	Partly Cloudy.	Cloudy.	Average snowfall
Mean	75.6	.....	113	37	3.73	.....	9	16	3	6	0
1880	70 0	−5.0	100	43	1.23	−2.50	..	..	..	..	..
1890	73 2	−2.8	101	44	6.16	+2.43	..	..	..	..	..
1891	72 5	−2.7	105	43	5.82	+2.09	..	..	..	..	..
1892	75.4	−0 2	96	45	3.13	−0 60	..	..	..	..	..
1893	74 8	−0.8	99	48	1.72	−2 01	..	..	..	..	..
1894	77 1	+1.5	105	51	3.02	−0.71	5	..	..	..	..
1895	76 6	+1.0	102	49	2.15	−1.58	6	16	1	4	0
1896	77 1	+1.5	105	41	2.83	−0.90	9	12	3	4	0
1897	75 2	−0 4	103	49	2.33	−1.40	7	18	10	3	0
1898	76 7	+1 1	100	55	3.83	+0.10	6	18	9	4	0
1899	78 1	+2 5	102	51	3.09	−0 64	8	16	1	4	0
1900	74 4	−1.2	104	42	2.74	−1.01	12	10	11	2	0
1901	75 5	−0.1	101	50	5.12	+1.39	12	12	7	2	0
1902	75 6	−0 0	103	45	2.48	−1.25	8	16	1	4	0
1903	75 5	−0.1	100	49	3.27	−0.46	8	15	11	5	0
1904	75.2	−0 4	100	45	2 61	−1 60	9	15	7	5	0
1905	75.7	+0 1	99	42	3 82	+0 09	10	16	5	4	0
1906	77 1	+1 5	99	45	4.37	+0.64	10	18	5	3	0
1907	74 8	0 .	99	48	4 27	+0.54	6	15	7	4	0
1908	75 3	+0 7	104	49	2.79	−0.94	7	14	7	5	0
1909	76 2	+1.3	104	45	2.60	−1.15	6	15	7	4	0
1910	74 0	−1 6	100	46	2 72	−1.01	13	15	7	5	0
1911	76 2	+0.5	105	45	4 68	+0.30	12	15	7	5	0
1912	73.7	−1 9	98	43	4 71	+0.98	7	13	5	12	0
1913	78 0	+2.4	108	44	2 81	−0.92	12	16	9	6	0
1914	76 0	+0.4	100	49	5 94	+2.21	14	13	8	10	0
1915	71 3	−4.3	100	42	6 29	+2.56	9	9	16	6	0
1916	77 0	+1 4	104	47	4 25	+0 32	8	14	10	7	0
1917	73 9	−1 7	100	42	3 49	−0 24	7	12	8	7	0
1918	80 2	+4.6	105	50	3.18	−0 55	8	17	9	5	0
1919	76 0	+0.6	104	47	3.49	−0.24	13	17	8	6	0
1920	75 4	−0 2	98	43	5.80	+2.07	11	13	10	8	0
1921	76 6	+0.4	101	48	5.28	+1.55	6	16	9	6	0
1922	77 2	−0 1	104	47	2.43	−1 30	12	16	9	6	0
1923	75.4	−0 2	99	46	6.03	+2 30	12	13	16	8	0
1924	75 1	−0 5	100	50	3 98	−0 75	11	15	6	4	0
1925	77 3	+1 7	101	51	7 51	+3 78	13	21	5	5	0
1926	75.1	+0 5	99	43	3 58	−0 55	9	16	12	3	0
1927	75 5	−0 1	100	47	4.33	+0 06	11	16	9	6	0
1928	75 6	+0 1	104	47	2 96	−1 67	9	15	7	9	0
1929	75 5	+0 1	101	42	2.25	−1 98	7	12	9	6	0
1930	75 6	+0 2	100	46	7 .	+3 07	7	13	9	9	0

[illegible] Cumberland and Tennessee northeastward to the Ohio and Big Sandy Rivers the amounts ranged from 3.0 to 5.0 inches, and in a few scattered stations less than 3 inches. Despite the heavy local character of many of the rains, these widely distributed Amounts gave Kentucky 1.67 inches above normal for July, and with thunderstorm rains [illegible]

Climatological Data for August, 1931.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	27	75.9	− 0.5	100	1	52	15†	39	1.07	−1.64	0.41	0	8	19	2	10	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	27	76.2	− 1.2	98	1†	56	12†	31	5.28	+1.73	1.76	0	9	7	20	4	sw.	Brick Southworth.
Earlington	Hopkins	420	41	76.8	− 0.3	99	1†	54	22†	34	8.22	+5.00	3.78	0	12	18	6	7	sw.	W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	356	2	.....	.....	.....	.....	.....	.....	.....	3.15	.....	1.29	0	12	.....	.....	.....	.....	.....
Grandview	Muhlenburg	519	14	*74.2	− 2.5	96*	2	53*	14†	32*	6.90	+2.64	1.64	0	12	12	18	1	s.	C. R. Lovell.
Henderson	Henderson	382	17	76.6	.....	99	1	57	12†	31	7.42	+4.62	2.94	0	10	22	5	4	sw.	Richard Stites
Hopkinsville	Christian	524	35	77.4	− 0.5	100	1	53	13	36	4.14	+0.99	1.68	0	8	7	3	21	se.	W. E. Graves.
Lovelaceville	Ballard	....	2	76.4	.....	97	1†	51	23	32	7.53	.....	3.30	0	6	21	7	8	s.	Blaine Malone.
Marion	Crittenden	571	33	76.4	− 1.6	97	2	56	12	28	4.60	+1.38	1.72	0	8	13	12	6	e	B. C. Paris.
Mayfield	Graves	404	22	*75.6	− 1.8	95†	1†	52‡	13	2nd	5.44	+1.87	1.85	0	6	17	11	3	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	404	22	*75.6	− 1.8	95†	1†	52‡	13	2nd	5.44	+1.87	1.85	0	6	17	11	3	sw.	Harry B. Arnold
Mayfield	Graves	404	22	*75.6	− 1.8	95†	1†	52‡	13	2nd	5.44	+1.87	1.85	0	6	17	11	3	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	404	22	*75.6	− 1.8	95†	1†	52‡	13	2nd	5.44	+1.87	1.85	0	6	17	11	3	sw.	Harry B. Arnold
Mayfield	Graves	404	22	*75.6	− 1.8	95†	1†	52‡	13	2nd	5.44	+1.87	1.85	0	6	17	11	3	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	5	75.9	.....	100	1	48	23	43	4.11	.....	1.35	0	9	16	9	12	s.	Henry E. Berry.
Owensboro	Daviess	479	34	74.2	− 2.1	97	2	55	14	29	7.04	+3.68	1.71	0	12	12	4	15	s.	George McGlemary.
Owensboro	Daviess	....	....	.....	.....	.....	.....	.....	.....	.....	7.36	.....	1.72	0	14	.....	.....	.....	.....	.....
Owensboro, Dam 46	Daviess	404	3	.....	.....	.....	.....	.....	.....	.....	5.77	+0.91	2.00	0	8	11	15	5	sw.	J. W. Lilley
Paducah (near)	McCracken	316	14	74.7	− 4.5	93	2	53	18	22	4.85	+1.39	2.10	0	9	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	42	.....	.....	.....	.....	.....	.....	.....	4.21	+0.89	1.24	0	10	12	16	3	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	24	76.0	− 1.3	97	1	55	13†	32	4.21	+0.89	1.24	0	10	12	16	3	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	24	76.0	− 1.3	97	1	55	13†	32	6.60	+1.71	1.48	0	9	.....	.....	.....	.....	Thos. L. Wetzell.
Ramsey, Lock 2	McLean	384	14	.....	.....	.....	.....	.....	.....	.....	3.39	+0.10	0.87	0	14	17	6	8	s.	Wm. Shelton.
Russellville	Logan	590	20	75.5	− 2.2	98	2	53	13†	28	5.54	.....	1.09	0	13	.....	.....	.....	.....	Earl Holder.
Uniontown, Dam 19	Union	357	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Addison, Dam 45	Breckinridge	352	3	.....	.....	.....	.....	.....	.....	.....	3.93	.....	0.73	0	13	.....	.....	.....	.....	C. L. Moore.
Anderson	Emerson	509	30	73.2	− 1.5	96	1†	52	23†	31	3.42	−0.18	1.20	0	9	18	6	7	sw.	C. E. Barret.
Anderson	Emerson	509	30	73.2	− 1.5	96	1†	52	23†	31	6.14	+2.71	2.02	0	13	14	10	7	s.	Mrs. Emily T. Sisco.
Bardstown	Nelson	837	34	75.8	+ 1.2	99	1†	51	30	35	6.23	+2.40	1.72	0	13	11	11	9	s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	540	42	77.3	− 1.0	102	1	56	23†	32	5.24	.....	1.80	0	11	.....	.....	.....	.....	T. Rone
Bowling Green, No. 2	Warren	499	6	.....	.....	.....	.....	.....	.....	.....	5.57	+1.47	1.45	0	13	.....	.....	.....	.....	Wyatt M. Whalin.
Brownsville, Lock 6	Edmonson	410	14	.....	.....	.....	.....	.....	.....	.....	3.75	−0.35	0.82	0	13	.....	.....	.....	.....	T. A. Lewis
Burnside	Pulaski	773	40	.....	.....	.....	.....	.....	.....	.....	6.83	+3.44	2.60	0	10	.....	.....	.....	.....	Shelby Angel.
Carrollton, Lock 1	Carroll	422	32	.....	.....	.....	.....	.....	.....	.....	3.85	.....	0.95	0	12	.....	.....	.....	.....	Reuben Hartley.
Cold Spring, Dam 36	Campbell	489	5	.....	.....	.....	.....	.....	.....	.....	5.34	.....	1.43	0	9	11	18	2	se.	C. W. Williams.
Dix Dam, Burgin	Mercer	770	7	75.5	.....	96	6	53	23	31	5.20	+0.86	1.61	0	11	8	9	14	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	37	74.0	+ 0.2	94	2	51	24	34	4.14	+0.42	1.70	0	7	15	7	9	w.	Sidney Wood.
Frankfort	Franklin	560	39	75.6	− 0.5	100	1	50	30	37	4.14	+0.42	1.70	0	13	17	11	3	ne.	M. E. Johnson.
Franklin	Simpson	621	36	77.6	+ 0.8	100	1	54	23	33	7.96	+4.41	2.33	0	14	.....	.....	.....	.....	Louis Shiddell.
Glasgow	Barren	809	3	.....	.....	.....	.....	.....	.....	.....	3.88	−0.14	1.06	0	14	.....	.....	.....	.....	H. W. Sprague.
Green, Lock 3	Henry	449	20	.....	.....	.....	.....	.....	.....	.....	4.28	.....	1.15	0	14	.....	.....	.....	.....	.....
Grant, Dam 38	Boone	780	6	.....	.....	.....	.....	.....	.....	.....	7.07	+2.95	1.29	0	13	1	2	28	e.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	28	75.4	+ 0.1	101	2	49	30	40	5.31	+1.26	1.62	0	14	.....	.....	.....	.....	Miss Ruby L. Simpson.
High Bridge, Lock 7	Jessamine	550	29	.....	.....	.....	.....	.....	.....	.....	4.89	+1.42	1.11	0	9	13	7	11	sw.	W. J. Piggott.
Irvington	Breckinridge	646	33	75.5	− 0.6	97	1†	56	14†	29	7.12	.....	1.83	0	14	.....	.....	.....	.....	..... Anderson.
Lancaster	Garrard	1032	5	.....	.....	.....	.....	.....	.....	.....	2.55	−0.94	0.78	0	11	13	13	5	sw.	H. H. Willis.
Leitchfield 1	Grayson	645	35	75.2	− 0.4	99	1	54	23	30	2.40	−1.05	1.09	0	11	8	15	8	sw.	U. S. Weather Bureau
Lexington	Fayette	860	47	74.2	− 0.8	92	1	58	12	23	4.32	−0.35	1.27	0	12	.....	.....	.....	.....	Horace Custer.
Lexington, Locks	Fayette	523	29	.....	.....	.....	.....	.....	.....	.....	4.08	0.00	1.80	0	8	.....	.....	.....	.....	Frank Lilch.
Liberty, Lock 2	Henry	476	21	.....	.....	.....	.....	.....	.....	.....	2.91	−0.51	1.21	0	13	4	11	15	s.	U. S. Weather Bureau.
Loretto	Nelson	525	58	75.9	− 1.1	96	2	59	22	25	3.42	.....	0.94	0	14	.....	.....	.....	.....	A. G. Hubbard.
Munfordville	Hart	600	8	.....	.....	.....	.....	.....	.....	.....	3.54	−0.31	1.15	0	11	18	6	7	.....	Sisters of Loretto.
St. Joseph	Harrison	777	35	72.4	− 2.5	101	1	52	14†	35	6.77	+2.91	1.30	0	13	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6	Mercer	490	17	.....	.....	.....	.....	.....	.....	.....	3.80	+0.38	0.85	0	13	11	1	19	.....	Miss Ruth Battin.
Shelbyville	Shelby	826	42	75.6	+ 0.4	100	1	53	30	32	3.63	−0.24	1.17	0	12	11	12	8	sw.	E. D. Bourne.
Taylorsville	Spencer	489	29	74.0	− 0.3	96	1	51	30	32	7.98	+4.23	2.00	0	13	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5	Anderson	526	13	.....	.....	.....	.....	.....	.....	.....	3.91	−0.25	0.93	0	17	18	3	10	e.	Miss Nettie S. Simpson.
Williamstown	Grant	943	28	73.8	− 0.4	98	1†	51	23	34	4.16	−0.84	1.55	0	10	.....	.....	.....	.....	H. J. Lewis.
Woodbury, Lock 4	Butler	533	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Ashcamp	Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.55	.....	0.54	0	16	9	13	9	nw.	W. A. Worthington.
Ashland	Boyd	554	14	75.2	− 0.6	98	1	52	30	32	4.39	+0.11	0.93	0	15	13	1	17	sw.	Jacob Armbruster.
Ashland 3	Boyd	554	14	75.2	− 0.6	98	1	52	30	32	5.31	1.17	0.54	0	16	0	15	16	w.	Robert S. Smallwood
Barbourville	Knox	960	27	73.6	− 1.8	94	1	47	30	29	6.5	+2.3	1.47	0	18	15	9	7	w.	Chas. C. Graham.
Carlisle	Nicholas	1050	26	74.5	+ 0.1	94	1	52	23	29	4.8	+0.6	1.10	0	13	.....	.....	.....	.....	Kelly Waldon
Carrollton	Carroll	491	12	.....	.....	.....	.....	.....	.....	.....	4.51	+0.26	1.45	0	12	.....	.....	.....	.....	P. H. Kelsey.
Cedar Bluff, Lock 11	Madison	584	13	.....	.....	.....	.....	.....	.....	.....	4.58	+0.36	0.77	0	15	.....	.....	.....	.....	J. V. Oldham.
Clay	Webster	680	42	.....	.....	.....	.....	.....	.....	.....	7.66	+3.13	2.48	0	12	10	12	9	e.	Mrs. B. F. Stamper.
Cynthiana	Harrison	668	23	*73.6	− 0.2	100*	5	45†	20	38*	5.01	.....	1.66	0	9	.....	.....	.....	.....	C. A. Glascock
Flemingsburg	Fleming	841	6	.....	.....	.....	.....	.....	.....	.....	3.7	−0.74	1.76	0	13	.....	.....	.....	.....	John T. Sayers.
Ford, Lock 14	Clark	903	15	.....	.....	.....	.....	.....	.....	.....	6.10	.....	1.15	0	13	.....	.....	.....	.....	Col. Frank Powers.
Grayson	Carter	560	6	.....	.....	.....	.....	.....	.....	.....	6.91	+4.33	1.56	0	17	.....	.....	.....	.....	T. Mitchell.
Greenup, Dam 29	Greenup	550	11	.....	.....	.....	.....	.....	.....	.....	7.40	.....	1.55	0	12	.....	.....	.....	s	W. W. Barfield
Harlan	Harlan	1167	3	*71.4	.....	90*	1	53*	30	25*	5.17	.....	0.98	0	14	.....	.....	.....	.....	Chas. O. Hurge.
Jackson	Breathitt	1000	6	.....	.....	.....	.....	.....	.....	.....	4.87	0.35	0.70	0	17	.....	.....	.....	.....	S. C. Cole.
Jackson	Breathitt	1000	6	.....	.....	.....	.....	.....	.....	.....	7.23	.....	1.03	0	17	.....	.....	.....	.....	R. B. Davidson.
Jenkins	Letcher	1066	6	.....	.....	.....	.....	.....	.....	.....	11.16	+7.21	1.82	0	19	.....	.....	.....	.....	Russian Cordey.
Lancaster	Garrard	984	27	.....	.....	.....	.....	.....	.....	.....	5.90	+1.43	1.95	0	12	.....	.....	.....	.....	Jennett P. White.
Lawrenceburg	Anderson	.....	11	.....	.....	.....	.....	.....	.....	.....	3.8	−0.3	0.94	0	12	6	10	15	sw.	Perry E. Bennett.
Maysville	Mason	624	24	74.3	− 1.3	97	1	51	30	33	3.56	+1.30	1.55	0	12	11	17	0	.....	Matthew Woodson
Middlesboro	Bell	1208	35	*71.2	− 2.0	96*	30	49*	31	37*	5.56	+1.30	1.55	0	10	23	4	4	ne.	W. R. McGee.
Monticello	Wayne	1200	11	74.0	0.0	98	2	48	24	38	6.89	+2.81	1.75	0	13	.....	.....	.....	.....	Otto Biddle.
Mount Sterling	Montgomery	1000	11	.....	.....	.....	.....	.....	.....	.....	3.65	−1.05	1.71	0	10	.....	.....	.....	.....	Robert Ingress.
Owingsville	Bath	997	9	.....	.....	.....	.....	.....	.....	.....	8.70	+4.48	2.25	0	11	.....	.....	.....	.....	S. W. Summerfield.
Pineville	Bell	1000	25	.....	.....	.....	.....	.....	.....	.....	6.71	.....	2.16	0	9	.....	.....	.....	.....	.....
Pippa Passes	Knott	1025	.....	*73.6	.....	97*	1	49*	30	37*	9.83	.....	1.86	0	18	.....	.....	.....	.....	F. C. Hall.
Pippa Passes	Knott	939	6	.....	.....	.....	.....	.....	.....	.....	6.10	.....	1.10	0	13	.....	.....	.....	.....	R. W. Jones.
Pound	Wise	729	5	*73.6	.....	95*	1	50*	30	24*	7.43	+3.56	1.40	0	14	.....	.....	.....	.....	Walter P. Bush.
Rockcastle, Lock 12	Laurel	651	13	.....	.....	.....	.....	.....	.....	.....	4.81	+1.24	1.20	0	14	15	0	16	.....	J. W. Crooke.
Somerset	Pulaski	956	40	73.1	− 2.4	94	1	51	23	22	5.76	+0.63	1.85	0	13	.....	.....	.....	.....	Thos. Sullivan.
Valley View, Lock 9	Madison	541	18	.....	.....	.....	.....	.....	.....	.....	6.83	+2.81	2.55	0	15	.....	.....	.....	.....	H. M. Tomlin.
Vanceburg, Dam 34	Lewis	541	16	.....	.....	.....	.....	.....	.....	.....	7.01	.....	1.26	0	17	.....	.....	.....	.....	G. H. Zimmerman.
Wheelersburg	Scioto	1102	6	.....	.....	.....	.....	.....	.....	.....	3.62	−1.04	0.59	0	15	16	10	5	.....	H. F. Davis.
Williamsburg	Whitley	1000	34	76.0	0.0	97	1†	51	30	32	3.6	−1.01	1.00	0	5	.....	.....	.....	.....	Jessie Hicks.
Williamsburg, Lock 13	Whitley	611	12	.....	.....	.....	.....	.....	.....	.....	5.36	+1.63	3.30	0	12	13	9	9	se.	.....
Average for State and Section				74.9	− 0.7	102	1	45	30	47	5.36	+1.63	3.30	0	12	13	9	9	se.	

A dagger (†) indicates that the record is for a period shorter than the month.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all composite reports are used in determining section or division means.

Sometimes, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Records in italics, ‡, *, appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oak.

Beginning or ending dates. †Precipitation is less than 0.01 inch rain or melted snow

Also on other dates. ‡Received too late to be included in means and summaries

Post office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

Page 7, [illegible] Hollering in the open field near Greenup.

Page 11, [illegible] in Anderson County.

Page [illegible] recorded during the month. Streams [illegible] slightly flooded.

Errata for July, 1931.

Mount Sterling: Lowest temperature, page 26, should be 54 on 27th; Williams Page: mean temperature, page 25 ch. old be 81.4; Lenox: Relative on 23d should be 59, and local rainfall, pages 26 and 27, should be 3.4.

Daily Precipitation (See Page for August, 1931.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																														
Beaver Dam				.05	.41	.11	.05							.43																
Calhoun			1.08	.31	T.	.65				T.	T.	T.						.21	.11	.8	.74										
Darlington				T.	3.78	.02	.26			1		.05						.49	2.66		.20	.10									
Fords Ferry, Dam 50				T.	.85	.04	.25	.10	T.	.01	.05									.15	T.	.10	.05								
Greenville			.15	.70	.90	.58			T.				.04					1.04	.08	.80	.07										
Henderson			1.88	.9	.01		.06										.03	.13		2.42										
Hopkinsville						.78	.48																							
Lawrenceville						.58	2.35											1.06												
Marion			.03	.95	.22																									
Mayfield			.48	.10	.05	.45			T.									.45		.16										
Murray				1.8			1.3											.20		.41										
Owensboro			.13	.30	1.55			T.	.30		T.		.21			T.			.18	T.	.79									
Owensboro, Dam 46		T.		.18	.24		.33			.06	T.	.31						1.18	.02	1.73	1.26			T.	T.	.24	.47	.02			
Paducah (near)		.01		.20	1.22	.07		.07		.06		.09						1.71	T.	1.72	.78			T.	.04	.06	.04	.14			
Paducah				1.05	2.00	.55	.88				.12					.03				.62										
Princeton				.12	T.	T.	1.03		T.	T.		.24				T.				.07	.08									
Ramsey, Lock No. 2			.12	T.	T.	1.04		T.	T.	.06						T.	1.24	.01	.02	.17										
Russellville				1.45	.15	.11																								
Union town, Dam 49				.03	.12	.35	.46			.07				.18					.01	.03	.18									
Uniontown			.12	.50	.77	.21	.12			.21		.18				.28	.08	T.	.10	1.06										
Central Division																														
Addison, Dam 45				.26	.11		.04	.20		.06		T.						.28	.01	.72	.36									
Anchorage			.42	T.	T.	1.15				.18	.03								1.20	.25										
Bardstown				.02	.11		1.72	.30	.21				.12							2.02	.47	.19								
Bowling Green				.03	.26	.04							.35	.02				1.72	T.	.51	.17									
Bowling Green, No. 2				.02	.02	T.							.36				T.	T.	1.89	.6	.33									
Brownsville, Lock No. 6					.26	.06	.59			.47		.71	1.46							.28	.51	.41								
Burnside					.35	.10	.18	.21	T.	.19		.13	.46	.06	T.					.28	.20	.02	T.	.13						
Carrollton (Lock No. 1)		.47			.33			.02				.81	.56							.36	.2									
Cold Spring, Dam 36		T.			.12		T.			.09		.03	.57	.03						.57	.3	.01								
Dix Dam, Burgin				.20	1.13	.03			.45		.72	1.26								.57	.3				.05	.2	.10	T.	T.		
Eubank					.06	1.64	1.18			.10			.15	.55						.15	.37		.15		.10	.18		T.			
Evansport		T.		.05		1.70				T.			.16	T.				T.	.42	.50	T.			T.	T.					
Franklin				1.25	.10	.10			.08			.22		.15				1.45		.15	.05			.61	2.5					
Gest, Lock No. 3		.24		.88						T.		.03	22	.02				.12	.07	1.05	.82	.10		T.	.04					
Grant, Dam 33				.22	.15					.06		.58	.15	.02					.04	1.4	.13			.30	.3	.12	.06		T.	
Greensburg				T.	.24	.45	1.19			1.98			.37	1.29				.18	.6	1.14	.02				.16	.3		.6			
High Bridge, Lock No. 7		.50		.6	.05	.64	.45			.23		.19	.93					.03	1.62	.2					.16	.3					
Irvington			.69	.83	.39	.78	T.						T.			T.		.23	1.11	.6			T.		.91	T.					
Lancaster		.20		.10	.21	1.25				.40		.84	.20	.10				1.88	1.1	.2	.42									
Leitchfield			T.	.10	.18	.40	T.			.30			.15	.05				.12	.10	.58										
Lexington		.14	.01	.63	T.			T.	T.	.17		.12	.65					T.	.25	.7	.11			.01	.6					
Little Hickman, Lock No. 8			T.		1.12	1.16	.15			.33		.05	.66	.05					.6	1.2	.18				.6	.36				
Lockport, Lock No. 2		1.80										.18						.15	.75	.27	.23				.7	.2				
Louisville		.21	.01	.20	.09	T.		.38		T.								.07	.01	1.06	.51			.06	.6	.16	.23		T.	
Manfordville					.94	.45	.54			.62			.28					.30	.18	.29	.16	.05			.02	.6	.08	.14			
St. John					.62	.45				.62			.19					.08		1.15	.32				.13	.37	.12	.12			
Salvisa, Lock No. 6		.72		.25	.50	.40				.15		.71	.60						.01	.29	.06			T.	1	.2				
Shelbyville				.89		.04	.50			.14			.03							.82	.55	.08		.02	.01	.6	.12	.10			
Taylorsville			.27	T.	.10	.26			T.		T.	.04	T.						.56	1.12	.4				.40	.3				
Tyrone, Lock No. 5			.36	T.	2.06	.12		.47	.04									.31	1.20	.2	.16				.10	.3				
Williamstown		.27		.58	.98			.01		.02		1.53							.08	.2	.42				.11	.3	.03			
Woodbury, Lock No. 4				T.	1.55	.22	T.			.06			.05					.23	.11	.45	.58				T.	.4	.6			
Eastern Division																														
Annville		.01	.04		.16	.01	.07				.2	.15	.02	.03					.1	.74	.25	.03								
Ashland		T.		.18	.6	.9		.24		.08	.33		.15	.09					.6	.2	.55	.16			.26	.2	.03			
Beattyville		T.	.16	.50	.6	.01	T.	.13		.61	.23	.05	T.	.03	T.			T.	.10	.44	.58	.33	.06		.52	.07				
Berea			.04	.04	1.04	.10	.71			.05		.75	.20					.31	.72	1.42	.04	.05		1.47	.6	.02				
College Hill, Lock No. 11				.02	.70	T.	.07	.08			.5		.02	.35	.02				.2	.40	.5	T.			.67	.3				
Cynthiana		.20			.28	.03		T.	.20		.30		1.05	.05		T.			1.01	.56	.20			T.	.23	.7				
Falmouth		.10			.65	.2			.01			.01		.77				T.	.39	.60	.76	.83		.03	T.	.24	.50	.04			
Farmers			.13		.78		.41		.21				.46	.38	.34				.27	2.08	.56				.32					
Flemingsburg			.26	.02					.24		.70	.72						.35	.41	.8				.02	.17	T.	.02			
Ford, Lock No. 10		T.		.13	T.	T.			.03	.21	.11	.01	.33	.07					.37	1.70	.43	T.		.02	.17	T.	.02			
Frenchburg			.32	.30	1.05		.2			.83		.07	.57						.55	.71	1.73	.68		.17		.17				
Greenup, Dam 30		.04		.11	1.50			.84		.51	.68	T.	.11	.2	.17	.01			.51	.55	.25	.3			.65	.2		.01		
Harlan			1.06	.34	.23	.3			1.55	.3									.04	.37	1.57	.20			.21	.72	.25			
Hazard					.53	.68	.04		.11	.10	.10		.40						.12	.98	.72	.68	.18							
Heidelberg, Lock No. 14		.02	.70	.30	.12		.17		.18	.52	.43	.29	.05						.26	.54	.5	.16			.55	.6	.64	.21		
Jenkins			.56		.33	.02	.32			.28	.20	.0	.42					.04	.6	.61	1.21	.17		.2	1.3	.60				
Louisa		.02	.55	.03	.70	1.57		.25		.9	.2	.1	.77	.02	.12				.31	1.20	1.2	.14			.70	.20	.07			
Manchester				.28	.71	.58					.04		.61						.30	.45	.70	.22			.35	.6				
Maysville		.04			.18		T.		.22	.18	T.	.30	.07	.01					.34	.94	.68	T.		T.	.02	.05	T.			
Middlesboro		.23	.54		.15	.38					.25	.18						1	.03	.21					.22	.46				
Mount Sterling				.58	.03	.13	.15		1.57				.54	.03				1.57	1.6	.28				.22	.64	.10				
Owenton Dam 35		.15		.40						T.		T.	.75	.1				.6	1.7	.38			.02	.52	.3	.16	T.	T.		
Pikeville		T.			.15	1.75	1.20		.22	T.	T.		.50					T.	.50	2.25	.12	.18		T.	.8	.18				
Pippapass				.75		2.16	.30												.50	1.25	.4									
Owensburg		.50	.54	1.86	.04	.60		.07	.09	.21	.08	.06	.13					1.60	.10	.26		1.30		.35	.7	T.				
Rockcastle				.10		T.	.60		.45	.11	.06		.32	.15				.94	.84	.77	.77	.07		.27	.6	.06				
Savanna, Lock No. 12			T.	T.	.66	.24	T.	.40	T.	.53	.05	.04	1.48	.07				.88	1.18	1.03	.21	T.		1.20	T.	T.	T.			
Richmond				.20	.05	.86				.05	.52		.20	.1	.05			.56	1.36	.12				.60	.35		.03			
Valley View, Lock No. 9		.02		.14	.25					.10	.02	.48	2.55	.02				.02	1.35	1.20			.32	.13	.1				
Vanceburg, Dam No. 22		.19		.43	.70		.15			.11	.02	.49	2.55	.02				.02	1.35	1.20			.32	.13	.1				
Versailles				.10	.60		.2		.15	.37	.39	.47	.05					.27	1.16	.52				.27	.65	.01				
Williamsburg				.10	.60		.2		.15	.37	.39	.47	.05					.51	.38	.76	1.65	.08		.44	1.20	.4				
Willow, Lock No. 13				.23	.28	.12	.08			.15		.04	.16					.17	.52	.60	.45	.65		.17	.88		.45			
				.16														1.00		.75	.40	.05								

Except as otherwise indicated, observations were made at 7:00 a.m. (75th meridian time) on the date given. Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.
(Reference mark **) Regular Weather Bureau Station. Precipitation for the climatic year, July 1, 1930 to June 30, 1931.
† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. Trace, or less than 0.01 inch.
‡ Separate dates of falls not recorded.
River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.
§ Long Oak

Daily Temperatures for August, 1931.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	100	95	98	84	92	91	90	95	96	88	86	81	88	87	91	95	92	92	91	86	84	88	86	90	85	85	91	78	78	89	88	88.6
	Minimum	70	71	75	72	72	71	71	70	75	69	65	66	64	65	62	66	69	71	65	59	54	52	54	52	64	64	68	63	59	54	52	63.2
Calhoun	Maximum	98	96	92	81	89	87	89	95	98	88	88	80	81	80	85	91	94	96	89	86	78	82	81	86	88	86	68	68	58	63	62	85.6
	Minimum	74	75	72	72	74	72	73	73	77	68	69	66	66	68	66	66	68	71	67	69	66	61	61	64	57	67	66	59	64	63	57	65.6
Darlington	Maximum	99	99	96	83	92	89	91	95	97	91	81	79	80	87	93	93	90	88	86	82	83	83	83	86	90	86	83	80	86	78	62	85.7
	Minimum	75	76	75	73	72	72	73	73	76	70	69	68	66	65	66	68	67	71	69	72	70	61	61	64	57	67	66	59	64	63	57	65.6
Greenville	Maximum	95	96	93	82	88	86	...	90	94	86	79	77	78	83	88	92	90	86	79	66	70	66	60	55	53	55	63	64	56	62	68	54	58	62.8
	Minimum	70	70	72	70	70	70	...	70	71	67	57	56	64	63	68	68	67	66	70	66	60	55	53	55	53	55	63	64	56	62	68	54	58	62.8
Henderson	Maximum	99	98	93	83	91	89	91	92	95	89	83	82	81	84	89	94	92	96	92	92	97	97	98	84	88	86	87	77	72	86	86	87.9
	Minimum	74	73	68	72	72	73	73	72	76	67	58	57	58	57	61	69	70	68	69	68	69	68	68	68	62	67	64	60	64	60	60	65.4
Hopkinsville	Maximum	100	98	95	88	93	93	97	98	95	83	82	90	93	95	93	91	87	85	88	79	84	87	87	90	91	89	81	90	82	88	90	91	91	90.1
	Minimum	71	70	72	73	73	71	72	73	76	70	65	67	68	66	67	67	69	71	69	72	66	61	57	51	55	64	65	59	65	67	59	64.8
Lovelaceville	Maximum	97	97	94	85	89	90	88	95	95	91	82	82	83	88	87	92	92	88	88	80	82	87	87	90	91	86	87	91	79	85	87	89	88	88.4
	Minimum	71	71	75	70	71	72	72	70	75	66	57	57	58	56	62	63	68	66	68	68	61	57	51	55	63	61	61	64	58	57	55	64.6
Marion	Maximum	96	97	90	80	85	88	84	90	94	85	77	77	79	84	90	92	92	86	84	77	79	81	85	86	87	83	82	83	78	70	70	82	64	85.5
	Minimum	74	75	72	72	72	71	70	72	80	68	58	56	57	59	66	77	72	69	71	69	64	57	61	60	63	56	58	70	70	62	64	67.2
Mayfield	Maximum	95	95	93	...	84	87	...	92	94	86	83	80	82	84	...	91	90	90	87	83	80	56	54	59	56	56	68	68	...	60	60	64.0
	Minimum	73	72	74	...	70	71	71	70	75	69	57	55	62	67	...	68	71	70	68	68	60	56	54	59	56	56	68	68	...	60	60	64.0
Murray	Maximum	100	97	99	84	92	87	88	94	96	88	86	82	86	86	92	91	94	93	90	83	85	88	91	91	94	93	87	86	85	87	90	88	89	88.9
	Minimum	68	68	74	72	68	70	72	70	75	70	69	66	66	64	66	64	70	70	67	64	62	52	48	53	63	66	57	64	60	58	58	62.9
Owensboro	Maximum	95	97	90	83	87	87	84	88	93	88	86	77	79	84	88	91	87	85	86	79	84	77	83	84	91	86	86	87	79	86	70	84	82	84.2
	Minimum	71	72	71	70	72	72	70	70	75	66	57	57	58	56	62	63	68	66	67	66	57	56	50	56	64	63	63	66	61	61	64	64	66	64.2
Paducah (near)	Maximum	92	93	88	83	84	85	91	91	89	85	76	84	84	91	90	90	90	87	84	78	83	82	87	87	88	84	81	87	76	85	83	86	86	84.8
	Minimum	73	74	74	70	71	71	72	70	74	68	67	68	68	68	68	68	71	68	68	68	65	63	63	63	63	63	63	63	63	63	63	63	63	64.6
Princeton	Maximum	97	96	90	80	86	87	93	94	93	78	79	78	85	89	91	90	85	87	78	82	81	80	84	83	82	87	75	87	63	63	57	66	64	84.3
	Minimum	72	71	75	74	73	72	73	73	77	70	61	59	55	57	62	65	71	74	73	70	63	59	55	58	56	59	57	76	62	56	55	58	59	66.3
Russellville	Maximum	98	96	96	80	91	85	89	92	94	84	84	78	80	86	90	93	86	90	86	85	81	80	84	85	84	85	85	85	81	85	88	88	87	87.1
	Minimum	70	70	71	70	72	72	71	72	75	71	68	57	63	64	67	69	68	72	67	67	61	54	53	55	64	64	57	67	63	56	58	62	61	65.2
Central Division.																																	
Auburn	Maximum	96	99	91	83	87	83	86	91	91	81	81	77	77	84	87	92	90	87	84	75	78	78	82	84	77	77	76	73	77	83	85	83.6
	Minimum	71	69	70	69	67	67	69	73	68	57	57	61	65	67	69	69	66	67	69	66	58	56	54	55	64	61	61	62	60	62	54	62.9
Bardstown	Maximum	99	99	97	86	91	88	92	94	94	84	84	78	78	86	91	95	95	91	87	78	81	84	85	83	84	81	85	78	83	86	88	88	88	86.9
	Minimum	71	72	73	70	70	74	69	71	76	71	59	58	59	61	62	67	68	67	71	66	68	59	60	55	63	62	57	61	60	58	61	60	57	64.1
Bowling Green	Maximum	102	101	99	86	92	89	94	96	93	89	81	79	82	86	95	98	91	88	86	87	89	86	87	89	90	87	84	86	86	88	90	90	91	90.1
	Minimum	74	74	73	72	72	73	71	71	75	71	64	60	67	69	68	71	68	68	65	67	68	66	65	67	68	66	65	65	65	65	65	65	65	65.8
Dix Dam	Maximum	95	95	94	87	91	90	92	93	93	82	79	74	78	82	83	86	87	87	87	78	78	77	82	83	77	79	85	81	80	85	82	84	87	85.2
	Minimum	73	77	79	70	68	76	70	72	75	69	66	59	68	66	68	68	67	72	67	67	67	61	60	58	55	64	64	57	67	63	56	58	62	65.4
Eubank	Maximum	91	94	92	85	86	80	90	93	92	83	77	73	80	86	88	91	89	87	87	85	87	86	87	87	87	85	61	56	54	58	62	67	68	80	82	86	88	88	88	80.5
	Minimum	71	71	70	70	68	69	68	68	72	71	58	58	58	62	64	65	67	67	65	61	59	58	58	58	58	58	58	58	58	58	58	58	58	58.1
Elizabethtown	Maximum	100	98	97	89	95	91	93	95	97	86	83	78	78	86	92	95	86	91	93	85	89	82	82	82	82	80	82	82	80	82	82	82	82	82.9
	Minimum	71	71	72	69	68	70	68	71	73	69	56	57	62	63	67	69	64	72	69	66	65	60	67	64	62	60	57	66	61	59	59	60	58	64.1
Frankfort	Maximum	100	98	97	86	92	87	90	94	94	87	84	79	87	87	92	94	97	92	91	88	83	82	86	88	86	86	88	86	86	86	86	86	86	86.2
	Minimum	76	74	74	71	73	72	72	72	76	72	61	58	66	70	68	68	70	68	71	68	64	56	54	58	66	65	61	65	64	57	61	63	61	67.7
Franklin	Maximum	100	101	98	90	87	86	91	94	95	85	83	80	84	90	93	92	94	87	77	80	77	80	83	88	83	78	87	81	85	90	91	87	91	87.7
	Minimum	76	76	77	74	71	73	72	72	76	72	61	58	66	70	68	68	70	68	71	68	64	56	54	58	66	65	61	65	64	57	61	63	61	67.7
Greensburg	Maximum	100	101	98	90	87	86	91	94	95	85	83	80	84	90	93	92	94	87	77	80	77	80	83	88	83	78	87	81	85	90	91	87	91	87.7
	Minimum	71	71	70	70	68	72	69	70	75	69	57	59	57	64	66	68	67	69	68	66	66	60	57	59	57	59	57	59	57	59	57	59	57	63.1
Lexington	Maximum	97	97	94	82	85	88	87	92	93	90	81	78	77	85	89	91	89	87	85	87	85	87	86	87	85	84	85	83	83	85	85	85	85	85.6
	Minimum	73	76	78	73	71	71	71	72	74	68	61	60	61	66	68	68	70	70	70	70	61	59	56	58	62	62	59	59	58	58	58	58	58	65.6
Louisville	Maximum	99	98	96	85	89	91	96	97	97	91	83	82	84	91	93	93	92	91	90	88	88	88	91	91	91	90	87	87	87

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
VOL. XXXVI LOUISVILLE, KY., SEPTEMBER, 1931 No. 9

GENERAL SUMMARY.

Weather conditions during the month were exceptionally favorable for maturing and harvesting the crops. The prevailing warm weather caused such rapid growth and complete ripening that it overcame the retarding tendencies of the protracted coolness of the preceding month. Two periods with good rains, one near the beginning and another in the last week, furnished sufficient moisture. Conditions as to soil moisture and water supply, following the rains of the first two days, were more satisfactory than at any time since the beginning of the growing season. The long intervals of sunshine between rains provided ideal weather for cutting, housing, and curing tobacco. The development of the late tobacco crop was advanced fully a week by this long warm spell, while the quality was greatly improved through complete ripening and excellent curing. Except for a small amount of tobacco still out in the dark district, nearly all of the crop had been housed by close of the month. Cold winds on a few days in the last week were injurious to tobacco on the field. The low temperatures, with the increased humidity, practically stopped curing in barns for a short time. The midsummer weather brought about the maturity of corn, tobacco, and late hay all at once, resulting in an unusual accumulation of necessary work. Some corn and hay had to stand until too dry while the tobacco crop was given attention. Most late hay was saved in very fine condition. Early corn dried so rapidly that cutting commenced about the middle of the month, and most of the crop was safe by the close. Moisture was scarcely sufficient for late potatoes and temperatures were too high. Unless the soil happened to be unusually good and of the cool type, this crop did not do well. The good rains, followed by the high temperature, caused field tomatoes to develop quickly a fair crop of fine late fruit. Pastures recovered remarkably after the early rains to a stage where they supplied ample grazing. Under the influence of the unseasonal heat they began to dry on hills and uplands toward the end. Although moisture was generally sufficient, little fall plowing could be done because of the pressure of other work.

TEMPERATURE.

The records of 42 stations gave an average temperature of 75.1°, which is 4.7° above normal and the third highest on record for this month. There were short cool periods in the first and last weeks, otherwise temperatures 5° to 15° above normal prevailed. Light frost, without damage, was reported from a few stations on the 29th and 30th. The extremes were 103° at Hopkinsville on the 18th and 36° at Murray on the 29th.

PRECIPITATION.

The average precipitation of 2.74 inches, based on reports from 84 stations, was almost normal. Heavy rains that supplied more than half of the month's total at many stations occurred in the period 2-3d. Most sections received moderate to heavy rains on the 26th. Light, scattered showers, attending local thunderstorms, were reported from all districts in the period 15-20th. While the areal distribution still exhibited marked irregularity, it was more uniform than in previous months. From 1.5 to 2.0 inches occurred in most southern counties, 2.0-3.0 inches in most of the east-central and northeastern districts, 0.5 to 1.5 inches in the north-central section, and Ohio River counties, while monthly amounts varied between 1.22 inches at Burnside and 5.54 inches at Owensboro, the latter with rainfall records since 1871. Over 2.41 in 19, 3.17 in 18, 3.22 in 17

PRESSURE AND WIND.

Stations.	Atmospheric pressure (In inches reduced to sea level)					Wind.				
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Average hourly velocity.	Maximum velocity. Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.02	30.38	30	29.65	15	4175	6.0	28	NW.	25
Cincinnati ..... Ohio.	30.05	30.44	30	29.66	15	5805	8.9	17	NW.	15
Evansville ..... Ind.	30.04	30.41	30	29.68	25	4577	6.6	28	NW.	25
Lexington ..... Ky.	30.08	30.46	30	29.73	25	7300	10.2	31	W.	25
Louisville ..... Ky.	30.03	30.45	3	29.67	25	7156	7.6	25	E.	7

Per any five minute period. The 3 cup anemometer located at Louisville Station prior to 1928.

RUMIDITY AND SUNSHINE.

Stations.	R.H. Humidity.			Sunshine.			
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days 80 per cent or more.	Number of days 20 per cent or less.
Cairo ..... Ill.	86	53	69	312.6	372.4	84	19	0
Cincinnati ..... Ohio.	85	55	66	288.5	353.1	82	18	3
Evansville ..... Ind.	82	56	61	276.7	330.6	84	15	1
Lexington ..... Ky.	79	58	..	299.7	354.6	84	17	4
Louisville ..... Ky.	81	55	59	263.8	352.9	75	15	2

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.				Precipitation.			Average Number of Day.			
	Monthly average.	Departure from 30-year normal.	Highest.	Lowest.	Monthly average.	Departure from 30-year normal.	No. of days with .01 or more.	Clear.	Partly Cloudy.	Cloudy.	Average number of days with thunderstorms.
Mean.	75.4	.....	119	24	2.83	.....	7	16	7	7	6
1889	72.1	+1.7	101	36	1.24	−1.60	..	..	..	..	..
1890	65.6	−5.4	95	36	3.71	+0.12	..	..	..	..	..
1891	69.5	−0.9	97	32	1.59	−1.91	..	..	..	..	..
1892	67.5	−1.9	93	38	2.08	−0.35	..	..	..	..	..
1893	69.6	−0.8	88	35	3.24	+0.11	..	..	..	..	..
1894	71.7	−1.3	98	37	2.71	−0.12	..	..	..	..	..
1895	73.4	+3.0	101	37	1.10	−1.93	..	19	7	3	3
1896	68.6	−1.8	100	30	5.47	+2.04	15	14	9	7	6
1897	72.8	+2.4	105	31	0.21	−3.02	7	26	4	0	0
1898	73.1	+3.6	102	42	4.36	+1.53	1	17	7	5	1
1899	68.7	−1.7	105	37	1.66	−1.17	6	18	7	4	0
1900	75.0	+4.2	102	35	2.32	−0.78	5	15	7	8	0
1901	68.1	−2.3	98	33	3.25	+0.07	6	18	7	5	0
1902	67.3	−3.1	97	29	4.01	+0.78	9	13	7	10	0
1903	69.1	−1.3	100	32	0.91	−1.92	4	21	3	6	0
1904	71.4	+0.7	99	34	2.58	−0.25	4	15	7	8	0
1905	70.2	−0.2	95	35	2.61	−0.22	8	16	7	8	0
1906	73.0	+2.6	94	45	6.15	+3.32	8	11	6	13	0
1907	73.1	−1.3	102	35	3.00	+0.17	11	17	8	4	0
1908	71.6	+1.2	101	30	1.03	−1.80	4	18	5	7	0
1909	67.7	−2.7	97	32	2.51	−0.32	5	16	7	7	0
1910	71.8	−1.4	99	38	4.41	+1.58	7	14	7	9	0
1911	71.6	+0.9	96	46	3.71	+0.88	8	13	7	10	0
1912	71.0	−0.6	103	37	2.80	−0.03	11	18	7	5	0
1913	67.0	−4.8	104	29	2.46	−0.34	7	11	6	13	0
1914	65.8	−2.6	97	36	2.99	+0.13	9	15	7	8	0
1915	70.7	−0.3	98	32	3.32	+0.49	9	17	7	6	0
1916	68.7	−2.3	98	32	2.05	−0.55	7	20	5	5	0
1917	67.4	−3.7	98	37	2.56	−0.27	6	18	7	5	0
1918	69.2	−1.6	102	36	2.91	+0.11	5	15	7	8	0
1919	71.1	−1.1	102	36	1.80	−1.14	5	16	6	8	0
1920	70.5	−1.4	95	38	3.26	+0.47	4	14	7	9	0
1921	67.9	−3.8	96	34	0.34	−2.45	3	21	4	6	0
1922	72.7	+2.3	103	39	2.32	−0.61	13	16	7	7	0
1923	68.9	−1.6	94	39	2.87	+0.01	5	15	7	8	0
1924	67.3	−3.1	95	35	1.39	−1.44	5	14	7	9	0
1925	73.2	+2.8	100	46	2.80	0.00	10	13	7	10	0
1926	72.6	+2.2	96	45	3.55	+0.75	8	14	7	9	0
1927	72.4	+2.1	97	39	2.87	+0.04	6	14	7	9	0
1928	69.7	−1.0	101	24	0.81	−2.02	5	20	3	7	0
1929	69.5	−0.9	97	35	4.16	+1.86	11	12	7	11	0
1930	72.4	+2.5	101	38	2.46	−0.37	5	13	7	10	0
1931	75.1	+4.7	103	36	2.74	−0.09	5	16	6	8	0

Climatological Data for September, 1931.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	27	77.0	+ 6.1	100	17	37	29	45	3.05	+0.37	1.10	0	3	27	1	2	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	27	76.4	+ 4.4	97	17	45	29	36	4.18	+1.40	1.64	0	4	15	12	3	sw.	W. A. Taylor.
Earlington	Hopkins	420	41	76.9	+ 5.5	98	16†	40	29	41	2.33	−0.55	0.70	0	5	20	7	3	sw.	Brick Southworth.
											2.69		1.46	0	4					W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	336	2	75.6	+ 4.6	97[f]	21	89[a]	29	42[f]	2.19	−0.62	1.10	0	3	21	8	1	s.	C. R. Lovell.
Greenville	Muhlenburg	519	14								5.21	+1.24	2.64	0	5	21	7	2	s.	Richard Stites
Henderson	Henderson	382	17	76.3		98	17	47	29	35	4.03	+1.24	2.64	0	4	10	5	15	se.	W. E. Graves.
Hopkinsville	Christian	524	35	78.0	+ 5.9	103	18	42	29	41	2.87	−0.67	0.91	0	2	27	3	0	s.	Blaine Malone.
Lovelaceville	Ballard	....	2	75.9		101	18	39	27	46	1.57		1.42	0	2	22	1	7	e	B. C. Paris.
Marion	Crittenden	571	33	77.1	+ 4.7	99	20	48	28†	32	2.10	−0.83	1.70	0	2	22	8	0	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	364	22	77.2	+ 5.2	100	18	43	29	40	1.41	−1.64	1.31	0	3	15	10	5	s.	Harry B. Arnold
Murray	Calloway	412	5	75.4		100	18	36	29	46	2.29		0.87	0	5	23	3	4	s.	Henry S. Berry.
Owensboro	Daviess	479	34	74.0	+ 3.5	93	17†	47	29†	30	3.50	−0.57	2.00	0	6					George McGlemary.
Owensboro, Dam 46	Daviess	404	3								3.40		1.80	0	4	20	7	3	sw.	J. W. Lilley
Paducah (near)	McCracken	516	14	75.0	+ 2.0	94	17†	40	27†	39	1.76	−1.50	1.52	0	3					Frank L. Brown.
Paducah	McCracken	341	42								1.72	−1.27	0.98	0	2	18	10	2	n.	Dr. W. L. Cash.
Princeton	Caldwell	529	24	77.5	+ 6.0	97[b]	16†	47[b]	28	32[b]	1.46	−1.52	1.32	0	5					Thos. L. Wetzell.
Ramsey, Lock 2	McLean	384	14								3.85	+0.46	1.06	0	4	24	3	3	s.	Wm. Shelton.
Russellville	Logan	590	20	76.8	+ 3.9	98	18†	44	25†	33	2.52	−0.31	0.92	0	7					Earl Holder.
Uniontown, Dam 49	Union	357	3								5.94		3.98	0						
Central Division.																				
Addison, Dam 45	Breckinridge	352	3								3.30		1.50	0	4					C. L. Moore.
Anchorage	Jefferson	700	30	72.9	+ 3.9	95	21	40	28	36	3.31	+0.60	1.47	0	5	24	2	4	sw.	C. E. Barret.
Bardstown	Nelson	637	34	75.8	+ 4.3	98	16†	38	29	42	3.25	+0.40	2.42	0	4	22	2	6	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	42	78.2	+ 6.0	101	17	42	29	39	2.35	−0.99	1.20	0	4	17	10	3	s.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	469	6								1.86		0.97	0	4					T. Rone
Brownsville, Lock 6	Edmonson	410	14								2.42	−1.26	1.55	0	1					Virgil M. Whalin.
Burnside	Pulaski	773	40								1.22	−2.32	0.70	0	2					T. A. Lewis
Carrollton, Lock 1	Carroll	422	32								5.75	+2.81	2.04	0	6					Shelby Angel.
Cold Spring, Dam 36	Campbell	489	5								4.81		1.82	0	9					Reuben Hartley.
Dix Dam, Burgin	Mercer	720	7	75.5		96	11†	40	29	37	1.31		0.78	0	2	22	8	0	sw.	C. W. Williams.
Eubank	Pulaski	1177	37	73.7	+ 5.2	97	21	37	29	37	2.34	−1.17	1.20	0	4	19	2	9	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	39	74.8	+ 4.6	98	21	43	29†	39	4.80	+1.58	1.82	0	7	20	6	4	s.	Sidney Wood.
Franklin	Simpson	691	36	77.7	+ 5.4	102	18	43	29	40	1.65	−1.70	0.70	0	3	23	7	0	e.	M. E. Johnson.
Gest, Lock 3	Henry	449	20								4.37	+1.24	0.86	0	8					Louis Shiddell.
Grant, Dam 38	Boone	780	6								3.51		1.95	0	8					H. W. Sprague.
Greensburg	Green	581	38	75.7	+ 6.1	99	18†	36	29	42	2.33	−0.62	1.15	0	5	9	3	18	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	29								2.09	−0.88	1.00	0	5					Miss Ruby L. Simpson.
Irvington	Breckinridge	646	33	75.3	+ 5.0	95	21	46	29	31	2.75	−0.14	2.87	0	2	21	7	2	sw.	W. J. Piggott.
Lancaster	Garrard	1032	5								2.25		1.30	0	4					John Anderson.
Leitchfield	Grayson	635	35	75.3	+ 5.5	97	17	44	29	34	3.25	−0.22	1.02	0	7	17	11	2	s.	H. H. Willis.
Lexington	Fayette	989	47	73.4	+ 4.9	93	21	47	29	32	2.15	−0.92	0 70	0	8	20	6	4	s.	U. S. Weather Bureau.
Little Hickman, Lock 5	Jessamine	523	20								2.96	−0.53	1.48	0	4					Horace Cauter.
Lockport, Lock 2	Henry	476	21								4.32	+1.43	1.30	0	5					Frank Litch.
LOUISVILLE	Jefferson	525	58	75.2	+ 4.7	94	21	49	28	31	3.56	+0.78	1.50	0	6	14	11	5	s.	U. S. Weather Bureau.
Manfordville	Hart	600	8								3.42		1.45	0	5					A. G. Hubbard.
St. John	Hardin	777	35	73.7	+ 4.4	97	17	44	29	35	2.68	−0.32	1.36	0	6	27	1	2		Sisters of Loretto.
Salvisa, Lock 5	Mercer	490	17								2.57	−0.62	1 35	0	3					Ernest M. Scurry.
Shelbyville	Shelby	825	42	74.8	+ 5.5	96	16†	44	28	34	2.18	−0.54	0.95	0	6	19	2	9	s.	Miss Ruth Ratta.
Taylorsville	Spencer	489	29	73.2	+ 5.2	96	17	39	29	36	2.46	−0.77	0.80	0	6	21	0	3	e.	E. D. Bourne.
Tyrone, Lock 5	Anderson	526	13								1.79	−1.19	0.97	0	3					H. K. Vaughn.
Williamstown	Grant	943	28	72.5	+ 3.9	96	21	42	30	38	4.24	+1.28	0.85	0	9	23	3	4	e.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	533	14								2.07	−0.85	1.03	0	5					H. J. Lewis.
Eastern Division.																				
Annville	Jackson										2.10		1.10	0	5	17	8	5	sw.	W. A. Worthington.
Ashland	Boyd	534	14	75.0	+ 4.6	96	12†	44	29	34	1.78	−1.13	1.21	0	5	20	5	5	w.	Jacob Armbruster.
Beattyville	Lee	650	27	73.1	+ 3.3	95	16†	40	29	39	3.88	+0.81	1.32	0	4	10	15	5	w.	Robert S. Smallwood.
Berea	Madison	1070	26	75.6	+ 6.3	96	16†	40	29	35	1.59	−1.27	0.74	0	4	22	4	4	se.	Chas. C. Graham.
College Hill, Lock 11	Madison	601	21								2.56	−0.75	1.45	0	4					Kelly Walden
Cynthiana	Harrison	684	13								2.44	−1.17	1.40	0	7					P. H. Kehoe.
Falmouth	Pendleton	600	42	73.2	+ 5.0	96	16†	37	30	44	2.49	+0.09	0.78	0	8					J. V. Oldham.
Farmers	Rowan	668	23								1.83	−1.17	0.95	0	5	20	5	5	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	6								3.75		1.40	0	5					C. A. Glascock
Ford, Lock 10	Clark	593	15								1.95	−1.48	1.00	0	4					John A. Walters.
Grayson	Carter	589	6								3.28		1.12	0	4					Col. Frank Powers.
Greenup, Dam 30	Greenup	540	11								2.05	−0.38	1.04	0	8					T. Mitchell.
Harlan	Harlan	1197	3	72.6		91	21	45	30	29	1.60		0.90	0	7	19	7	4	sw.	W. W. Duffield.
Hazard	Perry	869	7								3.80		1.73	0	6					Chas. G. Ihrig.
Heidelberg, Lock 14	Lee	664	14								3.07	−0.44	1.08	0	3					S. C. Cole.
Jenkins	Letcher	1566	6								3.42		1.66	0	6					R. R. Davidson.
Louisa	Lawrence	584	27								2.58	−0.09	1.20	0	5					Russian Copley.
Manchester	Clay	....	11								2.24	−0.84	1.10	0	4					Jeanett H. White.
Maysville	Mason	524	34	73.8	+ 4.1	96	21	43	28	37	2.93	−0.01	1.36	0	7	13	6	11	se.	Perry E. Bennett
Middlesboro	Bell	1128	35	74.4	+ 5.5	99[a]	18	41[a]	29	36[a]	1.74	−1.14	0.47	0	4	21	9	0	....	Matthew Woodson
Mount Sterling	Montgomery	930	41	72.2	+ 4.2	96	20†	37	29	42	1.31	−1.76	0.55	0	4	22	3	5	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	9								4.53	+1.56	1.15	0	9					Otto Riddle.
Pikeville	Pike	636	25								2.75	−0.65	1.95	0	3					Robert Repass
Pippapass	Knott	1035		73.8		97	19†	42	29	37	3.60		1 75	0	4	19	10	1	....	P. W. Summerfield.
Prestonsburg	Floyd	640	6								1 60		1.03	0	3					F. C. Hall.
Quicksand	Breathitt	732	5	73.2		96	19†	43	29†	39	3 88		1.51	0	5					R. W. Jones.
Ravenna, Lock 12	Estill	631	13								2.39	−1.30	1.39	0	5					Walter P. Bush.
Richmond	Madison	926	40	74.5	+ 4.0	94	17†	46	29	26	2.40	−1.22	1.20	0	5	23	0	7	....	J. W. Crooke.
Valley View, Lock 9	Madison	541	18								2.26	−1.47	0.90	0	6					Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	16								3.31	+0.63	1.61	0	10					H. M. Fannin.
Wilmsburg	Lawrence	1142	6								2.04		1.04	0	4					G. H. Zimmerman.
Williamsburg	Whitley	629	34	76.4	+ 5.9	100	18[a]	41	29	40	2.02	−0.84	1.01	0	2	28	1	1	....	H. F. Davis.
Wilson, Lock 13	Lee	611	12								2.74	−0.09	3.98	0	5	20	6	4	s.	Jessie Hicks.
State averages and extremes				75.1	+ 4.7	103	18	36	29	46										

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc
Also on other dates. †Received too late to be included in means and summaries. T. Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.
Postoffice addresses: —Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.
[f] Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

MISCELLANEOUS.

Floods.—Except for a slight freshing by the rains early in the month, streams remained at pool stage.

Daily Precipitation for September, 1931.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
eaver Dam G		1.05	1.10																					T.		90						2 [illegible]
lbion G		1.64	.37	T.								T.						T.				T.	1.05		T.	1.12						4 18
rlington O		.70	.40																.24					.68		.91						2 33
rds Ferry, Dam 50 O		.65	.50	T.															.08				T.	T.		1.46						2 69
sonville G		1.10																					.66			.43						2 19
uthersen O		2.64																				.46	.06		.88	.05						4 03
ptansville C		.54	.85										.07													.91						2 37
yclaceville M		1.42																														
arion O		1.70																						.15								1 57
ayfield M		1.31																.40														2 10
urray T	.87	.67																				.10										1 41
ewsboro O		2.00	.47																				T.		.75							2 29
ewsboro, Dam 46 O		1.80	.58																T.				.10	.28		.65						3 50
dcraft (near) * O		1.52		.05															.10				.07	.36		.70						3 40
dcraft O		.98	.58															.09									10					1 76
ewton G		1.32																	T.							.16						1 72
ms v., Lock No. 2 G		1.03	.83								T.											T.	T.		.14							1 16
sellville G		.92																					.05	.88		1.06						3 85
ontown, Dam 49 O		3.98	.25		.06								.06											.33		.80						2 52
Central Division																							.58	.88		.93						5 94
dison, Dam 45 O		.90	1.50																													
chorage O		1.47									T.		T.		.51					.58			.07			.83						3 30
rdstown S		.12	2.42																				.02			.73						3 31
wling Green G		.20	1.20								T.	T.			T.			T.					.26			.45						3 25
wling Green, No. 2 G		.06	.97												T.									.05		.90						2 35
ownsville, Lock No. 6 G		.28	1.55																					.03		.80						1 58
rusader C	T.	.70																						.25		.34						2 42
rrollton ‖ (Lock No. 1) K		1.05	.39												T.											.52	T.					1 22
ld Spring, Dam 36 O		1.82	.20		.02										2.04	.06							1.37			.84						5 75
x Dam, Burgin K			.78												.16	.18		.73		T.			.52	.66		1.12						4 81
bank C			.80												.53																	1 31
nkfort K		.17	.74																.04				.30			1.20						2 34
anklin G		.70									.16				T.	.74				.12			1.82			.55						4 30
st, Lock No. 3 K		.62	.85										.30										.65									1 65
nut, Dam 33 O		1.95	.07	T							.08				.70	.56				.02			.68			.86						4 37
vensburg G			1.15												.30	.25		.07		.07			.28			.52						3 51
gh Bridge, Lock No. 7 K		.07	.71													.21			.28			.10	.02			.87	.01					2 33
ington O		2.37																								1.60						2 09
ncaster K			1.80										.02		.01			T.		T.			T.		T.	.38						2 75
ichfield G		1.00	.34											.10					.05	.30		T.	.44			1.02						2 28
xington *** K	T.	.66	.04										T.	.52				.01		.07	.20	T.	T.		.64	.01	T.					8 25
dle Hickman, Lock No. 8 K			1.48													.60						T.	.10			.78						2 15
ckport, Lock No. 2 K	.65	1.30													1.18	.47							.72									2 96
risville *** O	.01	1.49																														4 32
nfordville G			1.45												.51				.58				.56		.61							3 56
John S		.35	1.36												.06				.05	.12				1.22		.68						3 42
vissa Lock No 6 K		.12	1.35																	.11				.04		.76						2 68
lbyville S		.12	.95																				T.			1.10						2 57
lorsville S		.54	.53								T.												T.	.02		.68	.02					2 18
rone, Lock No. 5 K		.97											T.		.80					.06		T.	.01	T.		.52						2 46
lliamstown L		.42	.63												.60								.22									1 79
odbury, Lock No. 4 G		.22	1.03								.02					.84		.02		.71			.72	.03		.85						4 24
Eastern Division																.82								.32		.18						2 07
nville C		.01	.95																.03		.01					1.10						2 10
nland O			.40										.02		T.						.07		.08	T.		1.21						1 78
ttsville K			1.23												T.				T.	1.32			.02			1.31	T.					3 88
ge Hill, Lock No. 11 K		.03	1.45												T.			.07								.74						1 69
nthania L		.05	1.40													28							T.			.80						2 56
lmouth L		.72	.20												T.	.50				.06		.18	.05			.20						2 44
rmers L		.06	.61												.17	.38		.07		.11			.06			.78						2 49
rancesburg L		1.40													.12								.09			.95						1 83
rd, Lock No. 10 K		T.	1.00												.06	.40				.95						.94						3 75
yson O			.68										.09		.21	.27		T.			T.		T.	T.	T.	.59	T.					1 95
eenup, Dam 30 O			.40										.12		.21	.41			.73	T.		.07				1.19						3 29
rlan C			.38	.04											.12	.30	T.	.05	.01	T.			T.	.16		1.04	T	.08				2 05
zard K	T.	1.70																.01	.10					.12		.80		.05				1 60
dlburg, Lock No. 14 K		1.00																	.14					.09		1.73	.05	.09				3 80
kins K		1.66																		1.08						.99						3 07
isa B		1.20													.05	.10				.58						.91	.12					3 42
chester K		1.10	.02													.12				.05						1.20		.01				2 58
ysville O		.22	1.26																.15							.97						2 24
ddlesboro C		.38	.47												21	.16				.10				.13		.75						2 03
unt sterling L	T.		.55																			.43				.46						1 74
conta Dam 35 O		1.07	.14										.15			.16										.45	T.					1 31
rville B			.72										.27		.13	.11		.41					1.15	.15		1.10						4 53
ppapass K		.40	1.40												T.			T.		T.						1.95		.08				2 75
rtonsburg B			.52																.05							1.75	T.					3 60
icksand K			1.45																	T.						1.03		.05				1 60
venna, Lock No. 12 K			1.39														.10		T.	.70						1.51	.12					3 88
dmond K		T.	1.20												14	.12			T.	T.	T.		.08			.66		T.				2 39
ller View, Lock No. 9 K	.03	.90												.05		.30							.05			.80						2 40
nceburg, Dam No. 32 O		.30	1.61									.02			.40							.01				.90						2 26
itesburg K			1.04	.08									.01					.18		.02	.25		.03	.08		.80		.03				3 31
lliamsburg C			1.28																							.86	.06					2 04
llow, Lock No. 13 K			1.01																		.95	.03			.03	.48	T.					1 73
																																2 02

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

*Lone Oak

Daily Temperatures for September, 1931.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	94	82	84	85	90	96	90	88	93	94	93	93	94	95	98	98	100	98	99	99	98	98	97	87	98	87	69	74	76	85	..	91.1
	Minimum	62	67	72	65	60	61	68	55	55	60	64	76	65	69	74	69	67	68	70	73	70	72	67	66	61	65	66	41	37	40	..	63.0
Calhoun	Maximum	90	85	84	83	89	94	90	87	92	93	86	89	90	92	95	95	97	96	95	94	96	93	90	83	93	78	67	72	74	82	..	88.1
	Minimum	66	67	57	58	62	65	68	59	79	68	71	67	69	75	70	71	72	71	72	72	72	70	67	68	64	66	68	72	76	83	..	64.7
Earlington	Maximum	92	86	83	84	89	94	92	89	93	94	89	91	92	94	97	98	98	96	96	96	98	94	88	85	94	88	68	72	74	82	..	63.9
	Minimum	65	64	59	57	60	60	68	55	57	63	65	68	70	71	77	72	74	74	72	73	75	77	69	68	65	57	55	44	40	42	..	589.6
Greenville	Maximum	..	..	..	..	..	..	93	90	..	89	95	88	91	96	91	96	96	95	96	96	97	96	92	84	95	86	69	72	76	85	39	40	461.5
	Minimum	60	66	58	54	60	60	69	57	55	61	64	65	64	66	73	68	67	68	70	70	67	74	67	66	66	54	58	48	38	43	..	88.3
Henderson	Maximum	89	80	84	85	89	94	88	87	93	94	90	89	90	92	96	95	98	95	96	96	95	96	92	85	94	87	69	72	75	84	..	92.7
	Minimum	66	64	56	59	64	64	60	65	63	69	69	68	67	69	76	71	72	73	72	74	65	66	68	65	62	66	67	73	77	80	85	64.3
Hopkinsville	Maximum	93	83	86	85	95	96	97	94	98	100	91	92	96	95	99	99	99	100	103	100	98	99	98	92	96	87	73	77	80	85	..	63.2
	Minimum	64	67	60	56	60	61	68	56	61	68	69	69	68	67	72	69	70	70	71	72	70	74	70	60	64	55	58	42	44	42	..	60.7
Lovelaceville	Maximum	91	83	84	86	92	91	95	86	91	93	94	89	92	95	97	97	99	101	99	96	97	97	98	96	95	89	73	76	76	86	85	61.1
	Minimum	67	67	56	62	59	60	67	59	58	64	63	62	64	68	72	67	69	68	69	66	68	73	69	68	64	49	39	40	46	42	..	58.8
Marion	Maximum	85	84	88	81	88	90	88	88	91	92	91	90	92	89	93	93	95	93	95	92	93	92	95	89	93	80	73	78	78	81	73	65.4
	Minimum	70	62	56	62	64	64	72	61	70	65	69	71	70	70	69	66	66	73	72	78	76	75	69	67	65	66	68	48	48	51	..	50.8
Mayfield	Maximum	90	81	83	85	90	88	95	92	94	90	93	93	93	96	97	97	97	100	97	96	96	92	96	88	96	92	73	76	77	85	..	62.5
	Minimum	67	66	56	56	67	62	69	59	60	66	67	68	66	68	73	70	71	71	71	70	71	75	71	67	66	53	47	46	48	47	..	60.9
Murray	Maximum	92	83	87	86	90	95	95	90	96	98	90	91	96	95	97	97	97	100	98	96	96	97	96	93	96	91	74	76	80	86	88	59.8
	Minimum	60	67	58	56	58	57	64	55	55	60	68	64	63	64	70	66	66	67	67	64	65	72	69	64	60	54	46	40	38	38	..	58.3
Owensboro	Maximum	87	82	79	80	84	90	87	84	88	90	87	88	87	89	91	91	93	90	93	92	93	91	88	78	91	85	65	68	71	77	..	62.8
	Minimum	63	64	66	57	61	62	67	60	60	63	66	65	71	66	66	74	68	69	71	69	69	69	71	65	65	61	56	50	52	52	..	57.3
Paducah (near)	Maximum	87	81	83	84	88	89	88	89	92	88	90	93	90	87	90	92	93	94	94	94	92	94	94	90	84	92	75	70	72	77	82	62.7
	Minimum	60	69	65	69	62	63	69	68	58	57	64	66	68	67	69	67	68	73	71	72	73	71	70	73	71	72	70	70	72	73	76	1669.1
Princeton	Maximum	90	80	80	83	88	93	89	87	92	93	90	91	92	93	96	95	97	96	96	94	96	91	94	75	70	70	66	57	54	47	..	1665.9
	Minimum	61	68	68	59	61	62	69	60	60	65	67	69	67	68	75	70	70	71	73	77	76	77	74	69	66	66	66	66	71	74	82	68.9
Russellville§§	Maximum	90	80	81	85	90	93	90	90	93	92	94	94	93	92	95	95	97	97	98	97	96	96	94	89	95	89	66	70	74	82	..	62.8
	Minimum	62	70	61	55	63	60	66	55	56	61	66	67	65	67	72	69	69	69	70	71	73	72	69	67	63	56	55	44	44	48	..	62.8
Central Division.																																	
Anchorage	Maximum	87	74	77	82	84	90	81	85	89	92	92	90	88	90	85	92	93	86	91	91	96	93	86	79	92	76	65	72	72	79	..	84.9
	Minimum	64	64	60	56	58	62	61	58	56	59	64	67	64	66	71	67	68	70	68	70	74	74	67	54	56	51	52	40	45	44	..	60.9
Bardstown	Maximum	88	81	82	86	89	94	86	87	93	95	96	94	96	97	98	98	98	94	98	95	96	91	86	84	94	85	66	73	77	84	..	89.5
	Minimum	60	70	57	56	60	62	64	55	57	60	65	70	66	68	73	69	69	71	69	74	71	72	68	62	62	56	58	42	42	44	..	62.1
Bowling Green	Maximum	94	85	86	85	93	95	94	93	96	96	89	95	95	94	97	100	101	103	106	103	101	98	96	92	96	96	88	72	76	80	85	62.8
	Minimum	61	71	62	58	64	63	69	57	59	65	67	69	66	68	71	71	71	72	72	73	71	73	72	68	68	59	58	45	42	46	..	64.0
Dix Dam	Maximum	86	83	81	84	87	90	83	87	93	95	95	94	95	95	98	98	98	98	98	96	94	96	96	91	93	92	83	61	65	74	81	87.3
	Minimum	65	68	66	57	61	63	63	55	56	61	65	66	65	72	73	71	71	72	72	73	71	75	70	68	67	61	55	49	40	44	..	64.1
Elkhorn	Maximum	87	78	79	84	87	91	85	89	92	95	93	94	95	96	98	98	98	98	98	96	94	96	96	91	93	92	84	74	74	74	74	87.1
	Minimum	60	70	61	51	57	58	64	58	54	56	61	63	64	68	69	64	68	69	69	71	67	71	67	62	64	60	58	42	44	48	45	60.3
Frankfort	Maximum	88	83	82	85	90	94	86	88	93	96	95	96	95	95	98	98	98	96	96	92	95	94	91	86	92	84	68	71	74	81	84	62.1
	Minimum	59	68	56	58	60	59	66	55	56	58	61	67	64	67	70	67	69	68	71	71	70	69	70	70	67	63	59	54	44	48	43	60.9
Franklin	Maximum	93	80	84	84	92	96	92	90	94	92	88	94	97	94	97	99	100	103	101	99	100	101	99	100	98	95	89	57	60	67	72	75	82	64.8
	Minimum	63	68	63	58	65	67	69	59	59	64	67	68	61	69	72	68	72	74	72	76	74	76	72	67	64	59	58	44	48	45	..	64.3
Greensburg	Maximum	92	78	84	86	90	93	87	88	94	94	96	94	95	96	98	98	98	98	98	96	96	96	96	89	97	94	86	86	87	72	75	82	84	63.4
	Minimum	58	66	62	54	61	60	67	52	55	59	63	69	65	68	71	68	72	74	72	74	72	74	70	69	67	63	58	45	48	54	45	63.2
Irvington	Maximum	87	81	80	81	81	89	82	84	89	91	90	90	90	92	96	96	96	96	96	94	94	94	94	91	94	91	83	84	85	85	88	65.2
	Minimum	66	68	68	59	63	66	64	59	61	64	68	72	65	71	76	72	72	72	72	74	73	73	68	68	68	65	65	58	60	65	70	63.7
Leitchfield	Maximum	90	82	80	82	87	91	86	86	92	93	92	93	94	95	97	97	97	97	97	96	96	96	96	91	94	91	83	84	85	85	88	64.3
	Minimum	63	66	58	57	63	64	67	58	58	63	67	71	68	69	72	71	72	72	70	72	70	73	70	68	67	64	66	55	58	65	68	62.5
Lexington	Maximum	84	75	77	80	82	87	79	84	90	92	93	93	93	95	96	96	96	96	96	94	94	94	94	91	94	91	83	84	85	85	88	61.4
	Minimum	66	64	57	61	66	68	61	66	68	68	75	75	77	76	80	80	80	80	80	84	82	84	82	81	78	66	66	62	64	66	70	64.1
Louisville	Maximum	87	74	80	82	85	92	83	86	91	93	92	93	93	94	96	96	96	96	96	94	94	94	94	91	94	91	83	84	85	85	88	63.2
	Minimum	66	66	57	61	66	70	66	67	67	67	70	73	73	75	77	76	76	76	76	78	76	78	76	74	73	66	66	62	64	66	70	64.1
St. John	Maximum	84	79	74	80	80	84	81	71	90	90	88	89	90	88	95	90	97	94	95	96	97	96	95	92	96	92	84	86	88	88	88	61.6
	Minimum	61	62	57	55	59	60	61	58	59	61	61	63	66	64	71	67	69	70	68	70	69	72	68	67	65	62	60	58	60	61	64	63.7
Shelbyville	Maximum	87	76	80	84	88	88	88	86	87	93	95	96	98	98	97	97	97	97	97	96	96	96	96	93	96	93	84	86	88	88	88	62.5
	Minimum	62	62	56	59	60	63	61	57	60	62	68	70	67	67	71	71	70	72	72	74	72	76	72	70	68	66	64	57	60	61	64	64.3
Taylorsville	Maximum	86	77	78	83	84	89	84	87	87	90	90	90	89	87	90	90	90	90	90	90	90	90	90	88	90	88	80	82	84	84	84	62.1
	Minimum	60	60	57	58	60	60	64	54	55	58	63	69	66	67	71	72	70	72	72	74	72	74	72	70	68	66	64	57	60	60	64	62.5
Williamstown	Maximum	81	82	73	71	79	80	74	67	84	93	89	91	91	93	95	95	95	95	95	95	95	95	95	92	95	92	84	86	88	88	88	64.3
	Minimum	64	66	54	57	60	64	56	56	59	62	66	69	68	69	72	72	71	72	69	72	72	71	67	65	62	58	56	45	48	42	..	61.7
Eastern Division.																																	
Ashland	Maximum	90	84	81	84	87	91	81	86	90	94	95	96	94	92	86	95	96	92	92	93	96	96	91	78	87	85	67	66	70	79	..	87.2
	Minimum	63	68	60	58	60	63	57	58	62	66	67	66	69	68	68	70	68	68	70	73	69	74	70	72	69	66	66	63	54	61	44	62.9
Beattyville	Maximum	90	82	80	84	87	92	83	87	90	93	91	94	92	93	90	93	94	92	92	93	94	94	90	82	88	84	68	68	70	81	82	63.0
	Minimum	57	67	62	56	56	59	62	59	54	57	62	65	62	63	66	66	64	65	65	68	67	68	67	66	64	62	58	52	56	61	46	57.3
	Maximum	88	81	79	84	86	91	86	87	91	94	95	95	91	92	87	90	91	91	91	92	93	93	89	82	88	84	68	68	70	81	82	63.8
	Minimum	57	65	61	56	63	66	63	54	56	62	63	70	67	72	74	73	74	72	67	74	73	74	72	68	66	62	58	52	56	61	46	57.5
Carrollton	Maximum	87	84	82	81	87	88	82	84	92	93	95	95	92	93	93	93	95	95	93	94	96	96	93	84	91	89	69	68	72	78	82	63.6
	Minimum	66	66	58	55	55	57	55	49	53	57	61	65	61	65	68	66	61	67	68	70	68	67	68	66	64	62	58	52	56	61	46	61.5
Harlan§§	Maximum	84	82	75	80	82	88	83	84	88	89	90	88	89	90	88	88	88	88	88	88	88	88	88	88	88	88	68	68	70	78	82	63.6
	Minimum	58	66	67	57	59	60	63	56	60	63	68	68	67	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	61.5
Maysville	Maximum	86	77	78	83	84	89	84	87	87	90	90	90	89	87	90	90	90	90	90	90	90	90	90	88	90	88	80	82	84	84	84	62.1
	Minimum	60	60	57	58	60	60	64	54	55	58	63	69	66	67	71	72	70	72	72	74	72	76	72	70	68	66	64	57	60	60	64	62.5
Middlesboro	Maximum	81	82	73	71	79	80	74	67	84	93	89	91	91	93	95	95	95	95	95	95	95	95	95	92	95	92	84	86	88	88	88	64.3
	Minimum	64	66	54	57	60	64	56	56	59	62	66	69	68	69	72	72	71	72	69	72	72	71	67	65	62	58	56	45	48	42	..	61.7
Mount Sterling	Maximum	92	83	86	86	90	95	88	90	94	96	96	96	96	96	98	98	98	98	98	96	96	96	96	91	94	91	83	84	85	85	88	65.2
	Minimum	63	68	64	56	58	60	64	56	56	60	64	68	66	68	72	70	70	72	70	72	70	72	70	68	66	62	58	52	56	61	46	63.1
Newport	Maximum	88	83	82	84	87	90	83	87	90	93	94	93	93	94	96	96	96	96	96	94	94	94	94	91	94	91	83	84	85	85	88	64.3
	Minimum	66	68	68	59	63	66	64	59	61	64	68	72	65	71	76	72	72	72	72	74	73	73	68	68	68	65	65	58	60	65	70	63.7
Paintsville	Maximum	90	82	80	82	87	91	86	86	92	93	92	93	94	95	97	97	97	97	97	96	96	96	96	91	94	91	83	84	85	85	88	64.3
	Minimum	63	66	58	57	63	64	67	58	58	63	67	71	68	69	72	71	72	72	70	72	70	73	70	68	67	64	66	55	58	65	68	62.5
Pikeville	Maximum	84	75	77	80	82	87	79	84	90	92	93	93	93	95	96	96	96	96	96	94	94	94	94	91	94	91	83	84	85	85	88	61.4
	Minimum	66	64	57	61	66	68	61	66	68	68	75	75	77	76	80	80	80	80	80	84	82	84	82	81	78	66	66	62	64	66	70	64.1
Somerset	Maximum	87	74	80	82	85	92	83	86	91	93	92	93	93	94	96	96	96	96	96	94	94	94	94	91	94	91	83	84	85	85	88	63.2
	Minimum	66	66	57	61	66	70	66	67	67	67	70	73	73	75	77	76	76	76	76	78	76	78	76	74	73	66	66	62	64	66	70	64.1
Williamsburg	Maximum	84	79	74	80	80	84	81	71	90	90	88	89	90	88	95	90	97	94	95	96	97	96	95	92	96	92	84	86	88	88	88	61.6
	Minimum	61	62	57	55	59	60	61	58	59	61	61	63	66	64	71	67	69	70	68	70	69	72	68	67	65	62	60	58	60	61	64	63.7

§ Incomplete record in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

§§ Incomplete record for 1 to 3 days; data estimated from record.

¶ Average departure from normal.

551.05
UNRE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVI LOUISVILLE, KY., OCTOBER, 1931 No. 10

GENERAL SUMMARY.

Weather conditions favorable for most farm activities prevailed during the month. The mild temperature of the first half brought the remnant of corn and tobacco to more complete maturity than is usually reached by the late crops. This weather also greatly accelerated the drying of corn and curing of tobacco already matured or harvested. Except for a few showery days, harvesting conditions were ideal. The showers, especially those of the second decade, were badly needed by pastures and in connection with fall seeding. Because of the prevailing high temperature and light rainfall of the past several weeks, the soil had become too dry for plowing. In the central and northern counties these rains furnished sufficient moisture to permit plowing, while in most districts they insured sprouting and growth. As a rule fall grains sown just before or during this period came up to good stands and grew rapidly. Rain in moderate amount late in the month supplied additional moisture when most needed by grains and pastures. The period of damp weather in the last week softened tobacco and resulted in some stripping. Frosts on the 18th and 19th were generally heavy and in some places killing to such vegetation as remained susceptible. They came too late to cause any appreciable damage. The weather continued generally too dry for late potatoes. Corn dried out so well that gathering in a limited way began near the middle of the month and gained headway toward the end. The dry soil of the fields favored the removal of the grain. The high temperature advanced the maturity of cotton and caused considerable picking. Because of short pastures some feeding was necessary, but in most northern districts grass made enough growth to meet the needs of animals. Shortage of water for livestock and hauling for domestic use were reported from some southern districts. Springs and other water sources in the uplands weakened slowly, but water caught in stream beds from the timely showers supplied most requirements.

TEMPERATURE.

Reports from 40 stations gave an average temperature of 62.0°, which is among the high records for October. Except for a few days of decidedly cool weather near the middle and at the close, temperatures much above normal prevailed. Maxima in the 80's occurred generally in the first and third weeks, while at many western stations 90° was reached. Extremes were 98° on the 5th at Lovelaceville and 28° on the 19th at Farmers.

PRECIPITATION.

The average precipitation of 3.01 inches was not far from normal, but the areal distribution was so irregular that some places received but little more than half the normal amount. In most of the central counties from 3.5 to 5.0 inches occurred, but the amount diminished irregularly in all directions from this district. Many western, extreme eastern, and some northern counties received less than 3.0 inches, while quite a number of stations in these drier areas reported less than 2.0 inches. The distribution in time was highly favorable, with the showers coming when most needed to germinate the grain or soften the soil for sowing. Moderate to heavy rains, which were general except in the mountains, occurred from the 10th to 16th. Light to moderate rains, with occasional heavy local falls, reached all districts in the periods 8-9th, 24-25th and 28th-31st. The range for the state was between 1.32 inches at Pikeville and 5.55 inches at Bardstown. Dates with thunderstorms were: 5, 6, 7, 8, 13, 14, 15, 27.

MISCELLANEOUS.

Rivers.—Stream flow was at a minimum and stages continued low throughout the month.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure. (In inches reduced to sea level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Mean hourly velocity.	Max. Velocity. Miles per hour.	Direction.	Date.
Cairo ..... Ill.	30.08	30.44	1	29.70	29	4685	6.2	27	sw.	27
Cincinnati ..... Ohio	30.12	30.54	12	29.61	29	8888	5.2	1[illegible]	[illegible]	29
Evansville ..... Ind.	30.10	30.46	1	29.65	29	5242	7.0	40	sw.	27
Lexington ..... Ky.	29.11	30.50	1	29.65	28	8137	10.5	26	sw.	28
Louisville ..... Ky.	30.12	30.50	12	29.67	29	6928	8.6	32	sw.	27

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 80 per cent or more.	20 per cent or less.
Cairo ..... Ill.	83	63	60	243.7	348.1	70	15	2
Cincinnati ..... Ohio.	85	62	64	203.4	346.1	59	12	9
Evansville ..... Ind.	81	53	52	226.9	347.3	65	16	6
Lexington ..... Ky.	89	60	..	165.8	347.3	56	15	10
Louisville ..... Ky.	80	57	59	178.1	347.3	51	10	11

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature. Monthly average.	Departure from 41-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 41-year normal.	No. of days with .01 in or more rain.	Average Number of Day. Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
Mean	58.2	.....	98	13	2.77	.....	6	17	6	8	0.1
1889...	52.0	−6.2	89	23	2.42	−0.35	..	..	..	..	..
1890...	55.7	−2.5	87	23	2.94	+0.17	..	..	..	..	..
1891...	54.8	−3.4	92	21	0.78	−1.99	..	..	..	..	..
1892...	57.3	−0.9	97	19	0.51	−2.26	..	..	..	..	..
1893...	56.4	−1.8	90	19	4.00	+1.23	..	..	..	..	..
1894...	58.6	+0.4	92	25	1.55	−1.41	5	..	..	..	..
1895...	52.2	−6.0	89	14	1.24	−1.53	4	21	6	4	..
1896...	55.8	−2.4	90	25	1.71	−1.06	5	18	7	6	..
1897...	63.2	+5.0	96	26	1.10	−1.67	4	25	3	3	0
1898...	57.1	−1.1	93	21	4.19	+1.42	10	12	9	10	T.
1899...	61.3	+3.1	93	26	2.42	−0.35	5	18	6	7	0
1900...	64.5	+6.3	94	29	2.29	−0.48	5	16	8	7	0
1901...	58.1	−0.1	93	25	1.57	−1.20	4	22	6	3	0
1902...	60.1	+0.9	91	25	2.34	−0.43	5	18	7	6	T.
1903...	57.7	−0.5	96	19	2.22	−0.55	5	19	6	6	T.
1904...	57.2	−1.0	93	20	0.62	−2.25	2	21	5	4	0
1905...	57.0	−1.2	90	25	4.95	+2.18	9	14	5	12	0
1906...	56.9	−1.3	91	20	1.51	−1.26	7	15	5	11	T.
1907...	55.5	−2.7	93	20	2.97	+0.20	6	18	5	8	T.
1908...	57.1	−1.1	92	20	0.71	−2.06	3	20	6	5	0
1909...	55.2	−3.0	94	18	2.11	−0.66	6	19	5	7	T.
1910...	61.4	+3.2	96	17	4.45	+1.68	6	20	4	7	0.1
1911...	59.9	+1.7	94	27	3.71	+0.94	10	18	6	12	0
1912...	59.5	+1.3	92	25	1.42	−1.35	4	18	7	8	0
1913...	56.9	−1.3	97	23	3.55	+0.78	9	14	5	12	T.
1914...	59.7	+1.5	91	22	5.10	+2.33	9	13	8	10	0
1915...	60.6	+2.4	90	27	3.40	+0.63	6	18	7	6	T.
1916...	57.6	−0.6	97	24	2.59	−0.18	6	20	5	6	T.
1917...	51.1	−7.1	90	20	3.18	+0.41	7	14	8	9	9.1
1918...	62.3	+4.1	91	22	3.81	+1.04	10	13	7	11	0
1919...	63.6	+5.4	98	25	7.89	+5.22	15	8	7	15	0
1920...	61.0	+2.8	93	24	1.64	−1.13	4	21	5	5	0
1921...	57.1	−1.1	96	24	2.21	−0.45	6	20	6	5	0
1922...	60.2	+2.0	96	25	2.28	−0.49	6	20	4	7	0
1923...	56.3	−1.7	89	19	1.68	−1.09	5	18	5	8	0.2
1924...	61.1	+2.9	91	24	0.27	−2.50	1	23	5	3	0
1925...	52.9	−5.3	85	13	7.09	+4.32	11	6	7	18	8.2
1926...	59.8	+1.1	94	25	5.46	+3.19	11	12	8	11	T.
1927...	60.7	+2.5	92	27	2.61	−0.16	4	26	5	5	0
1928...	61.6	+3.4	95	21	3.86	+1.16	8	17	7	7	0
1929...	56.4	−1.8	85	25	3.65	+0.85	8	14	5	12	T.
1930...	55.8	−2.4	94	16	1.93	−1.41	6	16	7	8	T.
1931...	62.0	+3.8	93	28	3.01	+0.24	8	17	6	8	0

Climatological Data for October, 1931.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	27	64.1	+ 5.4	91	4	35	19	45	2.55	+0.15	1.60	0	4	25	1	5	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	27	63.4	+ 3.4	86	2†	36	19	37	2.68	−0.71	0.92	0	8	12	14	5	sw.	Brick Southworth.
Carlington	Hopkins	420	41	68.8	+ 4.2	83	4†	32	18	41	2.70	−0.28	0.93	0	8	17	6	8	sw.	W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	356	2								2.57		1.66	0	8					
Greenville	Muhlenburg	519	14	63.8	+ 4.5	92[b]	5	31[b]	18†	44[b]	3.00	−1.06	1.20	0	7	16	0	15	s.	C. R. Lovell.
Henderson	Henderson	382	17	64.0		87	3†	36	18	38	2.43	−0.81	1.20	0	9	21	4	6	n.	Richard Sites
Hopkinsville	Christian	524	35	65.2	+ 4.6	92	5	34	19	45	3.02	−0.02	1.70	0	7	11	5	15	se.	W. E. Groves.
Lovelaceville	Ballard	....	2	64.4		93	5	31	18	46	1.79		0.92	0	3	10	8	4	s.	Blaine Malone.
Marion	Crittenden	571	33	*63.8	+ 3.7	89*	5	39*	20	41*	2.50	−0.35	0.76	0	4	16	7	7	n.	B. C. Paris.
Mayfield	Graves	364	22	65.2	+ 5.0	92[c]	5	36[c]	18†	39[c]	3.67	+1.02	1.75	0	8	25	4	2	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	5	63.1		92	14	30	18†	48	3.15		1.72	0	4	10	14	7	s.	Harry B. Arnold
Owensboro	Daviess	479	34	64.6	+ 2.7	84	4	36	19	37	3.61	+0.33	1.95	0	10	17	5	9	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	3								4.22		1.88	0	9					George McGlemary.
Owensboro, Dam 47	McCracken	516	14	63.9	+ 3.1	88	7	33	18	40	2.12	+0.13	0.53	0	6	13	5	8	sw.	J. W. Lilley
Paducah (near)	McCracken	341	42								2.06	−0.97	0.82	0	4					Frank L. Brown.
Paducah	McCracken	389	24	63.8	+ 4.2	83	4	36	19	40	2.43	−0.06	0.88	0	7	16	7	8	s.	Dr. W. L. Cash.
Princeton	Caldwell	384	14								2.59	−0.12	0.86	0	7					Thos. L. Wetzell.
Rumsey, Lock 2‡	McLean	590	29	63.0	+ 3.6	90[b]	1	31[b]	18	43[b]	2.11	−0.97	1.15	0	5	23	4	4	s.	Wm. Shelton.
Russellville	Logan	357	3								1.55		0.63	0	5					Earl Holder.
Uniontown, Dam 49	Union																			
Central Division.																				
Addison, Dam 45	Breckinridge	352	3								4.28		1.25	0	10					C. L. Moore.
Anchorage	Jefferson	709	30	59.6	+ 2.7	87*	3†	30[b]	18	41[b]	2.44	−0.56	1.10	0	8	17	3	6	sw.	E. E. Barret.
Barrstown	Nelson	687	34	61.9	+ 2.8	90	3†	31	18†	43	5.77	+2.95	1.25	0	6	14	7	10	w.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	42	64.8	+ 5.0	91	3	35	19	43	2.03	−0.69	1.32	0	5					Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	6								1.63		0.98	0	7					T. Rone
Brownsville, Lock 6‡	Edmonson	410	14								3.23	−0.46	1.38	0	9					Virgil M. Whalin.
Burnside	Pulaski	772	40								4.19	+1.29	1.22	0	5					T. A. Lewis
Carrollton, Lock 1	Carroll	422	32								1.90	−0.94	0.78	0	7					Shelby Angel.
Cold Spring, Dam 36	Campbell	489	5								2.07		0.92	0	7					Reuben Hartley.
Dix Dam, Burgin	Mercer	770	7	62.5		88	3†	33	18†	39	4.70		1.02	0	10	17	10	4	sw.	C. W. Williams.
Eubank	Pulaski	1177	37	60.6	+ 3.7	88	3	32	19	41	4.11	+1.39	1.42	0	6	12	12	7	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	39	60.8	+ 3.7	89	8	33	19†	47	2.06	−0.54	0.58	0	8	14	5	12	s.	Sidney Wood.
Franklin	Simpson	691	36	65.6	+ 5.4	92	3†	34	19	43	1.40	−1.21	0.80	0	3	25	5	1	s.	M. E. Johnson.
Gest, Lock 5	Henry	419	20								4.12	−0.72	1.59	0	10					Louis Shiddell.
Grant, Dam 38	Boone	780	6								2.21		0.67	0	9					H. W. Sprague.
Greensburg	Green	581	38	61.4	+ 4.3	88	3†	30	18†	45	3.12	+0.05	1.06	0	10	7	3	21	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	556	29								5.18	+2.15	1.46	0	8					Miss Lady L. Simpson.
Irvington	Breckinridge	646	33	62.4	+ 5.7	85	4	37	18	30	3.62	+0.61	0.98	0	8	17	2	12	sw.	W. J. Pigzott.
Lancaster	Garrard	1032	5								4.58		1.05	0	11					John Anderson.
Leitchfield	Grayson	636	35	61.8	+ 3.7	85	6	34	19	36	3.27	−0.54	1.30	0	9	15	11	5	s.	H. H. Willis.
Lexington	Fayette	969	47	60.8	+ 3.4	84	3	37	18	27	4.44	+1.85	2.34	0	12	17	3	11	sw.	U. S. Weather Bureau.
Little Hickman, Lock 5‡	Jessamine	523	20								4.17	+0.91	1.12	0	9					Horace Canter.
Lockport, Lock 2	Henry	476	21								4.38	+1.13	1.40	0	12					Frank Litch.
LOUISVILLE	Jefferson	525	58	61.6	+ 2.3	86	3	39	19	31	2.36	−0.29	0.82	0	10	11	9	11	s.	U. S. Weather Bureau.
Munfordville	Hart	600	8								3.62		1.10	0	8					A. G. Hubbard.
St. John	Hardin	777	35					34	18†		4.28	+1.45	1.40	0	10	21	4	6		Sisters of Loretto.
Salvisa, Lock 6‡	Mercer	490	17								5.66	+2.65	2.20	0	7					Ernest M. Searcy.
Shelbyville	Shelby	825	42	61.4	+ 4.2	89	4	34	18	37	2.52	−0.23	0.76	0	11	16	1	14	s.	Miss Ruth Estes.
Taylorsville	Spencer	489	29	59.2	+ 2.9	83	3†	30	18	39	3.82	+0.85	1.02	0	10	16	6	9	sw.	W. D. Bourne.
Tyrone, Lock 5‡	Anderson	526	18								3.75	+0.39	1.23	0	9					H. K. Vaughn.
Williamstown	Grant	943	28	60.9	+ 5.8	87	3†	34	18	38	2.97	+0.06	1.19	0	12	18	6	7	e.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	533	14								4.29	+0.57	1.53	0	8					H. J. Lewis.
Eastern Division.																				
Annville	Jackson										3.01		0.55	0	12	20	3	8	sw.	W. A. Worthington.
Ashland	Boyd	531	14	61.0	+ 3.3	88	7	34	18†	39	1.47	−1.22	0.33	0	7	16	0	15	sw.	Jacob Armbruster.
Beattyville	Lee	650	27	58.8	+ 1.0	85	3	31	18	45	2.37	−0.98	0.70	0	10	11	8	12	s.	Robert S. Smallwood.
Berea	Madison	1070	26	61.7	+ 3.1	85	3	32	13	47	2.91	−0.17	0.67	0	10	16	6	9	se.	Chas. C. Graham.
College Hill, Lock 11	Madison	601	21								2.83	−0.64	0.75	0	10					Kelly Walden.
Cynthiana	Harrison	884	13								2.58	−0.72	0.98	0	8					P. H. Kehoe.
Falmouth	Pendleton	500	42								3.34	+0.80	1.27	0	9					J. V. Oldham.
Farmers	Rowan	668	23	59.8	+ 3.2	88	5	28	19	49	3.96	+0.45	1.19	0	9	18	2	11	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	6								5.62		1.48	0	9					C. A. Glascock
Ford, Lock 10‡	Clark	853	15								3.57	+1.34	0.82	0	10					John A. Walters.
Grayson	Carter	589	6								2.08		0.57	0	7					Col. Frank Powers.
Greenup, Dam 30	Greenup	540	11								2.43	−0.01	0.85	0	8					T. Mitchell.
Hitchins	Harlan	1197	3	59.4		84	5	33	18†	41	1.58		0.55	0	7	22	3	6	sw.	W. W. Duffield.
Hazard	Perry	869	7								2.19		0.56	0	9					Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	664	14								2.72	−1.07	0.46	0	11					S. C. Cole.
Jenkins	Letcher	1566	6								1.66		0.61	0	9					H. B. Davidson.
Louisa	Lawrence	584	27								1.91	−0.95	0.60	0	9					Russian Copley.
Manchester	Clay		11								3.32	+0.77	0.56	0	10					Jeanett H. White.
Maysville	Mason	524	34	60.8	+ 3.3	88	4	33	18	41	3.80	+1.14	2.20	0	8	6	6	19	se.	Perry E. Bennett
Middlesboro	Bell	1128	35	51.0	+ 1.6	85*	2†	30*	26	43*	1.79	−0.82	0.92	0	5	12	17	1		Matthew Woodson
Mount Sterling	Montgomery	950	41								2.13	−0.67	0.78	0	9					W. B. McKee.
Oneonta, Dam 35	Campbell	497	9								1.22	−1.54	0.42	0	6					Otto Riddle.
Pineville	Bell	696	25								2.33		0.61	0	8	17	7	7		Robert Repass
Pippapass	Knott	1035		60.8		87[b]	3†	31[b]	18†	44*	1.92		0.41	0	9					E. W. Summerfield.
Prestonsburg	Floyd	640	6								3.85		0.95	0	10					F. C. Hall.
Quicksand	Breathitt	762	5	59.6		87	5	32	19	46	2.84	−0.62	0.58	0	8					R. W. Jones.
Ravenna, Lock 12	Estill	671	13								3.13	+0.28	0.70	0	8	16	0	15		Walter P. Bush.
Ravenscroft	Madison	736	40	61.0	+ 1.9	82	4†	35	18†	26	3.72	+0.18	0.85	0	9					J. W. Crooke.
Rockcastle View, Lock 9	Madison	541	18								3.63	+0.76	1.08	0	13					Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	16								1.68		0.41	0	8					H. M. Fannin.
Whitesburg	Letcher	1142	6								3.00	+0.27	0.85	0	9	19	4	8		G. H. Zimmerman.
Williamsburg	Whitley	953	31	62.4	+ 2.7	91	3	31	20	48	2.98	−1.23	0.95	0	7					H. F. Davis.
Wilson, Lock 13	Bee	611	12								3.01	+0.24	2.30	0	8	17	6	8	s.	Jessie Hicks.
State averages and extremes				62.0	+ 3.8	93	5	28	19	49										

All temperature data are taken from self-registering thermometer.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, *, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
T Precipitation is less than 0.01 inch rain or melted snow
‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
§Lone Oak.
* Also on other dates. † Received too late to be included in means and summaries.
* Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

Daily Precipitation for October, 1931.

Stations		Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																															
Beaver Dam	G								.35						.90	.10													1.60			2.95
Calhoun	G				.02			T.	.04				.03	T.	.63	.01									.06		T.		.54	T		2.63
Darlington	G				.59	.10	.06								.74	.06									.18				.50	T.		2.79
Fords Ferry, Dam 50‖	O					.08	.40	.01					T.	.01	.32	.02	T.								.07				1.46		T	2.57
Greenville	G					.04		.15						.02	1.00	.05									.54				1.20			2.00
Henderson	O				.44	.04	.03	.16					.05	.23	.12																	2.43
Hopkinsville	C				.05	.06									.26	.68									.26				1.70		.01	3.07
Lovelaceville	M				.36										.52														.02			.90
Marion	O				.05	.65	.76								.55																	2.50
Mayfield	M												1.02		.90														1.75			3.67
Murray	T				.15	T.	T.							T.	1.03									.25				1.72		T		3.17
Owensboro	O				1.95	.05	.05	.29					.03		.21											42		.27	.40		.05		3.01
Owensboro, Dam 46‖					T.	1.88	.05		.16					.16	.16	.10									.45				1.21	T.	T	.02	4.22
Paducah (near) ¶	O				.20								.30	.06	.60													.48	.58				2.12
Paducah ‖	O					.63	T.						.28		.45	T.									T.				.82				2.06
Princeton	G				.60	T.		.01						T.	.85	.04								T.	.68			.81	T	.01	T	2.42
Ramsey, Lock No. 2‖	G					.84			T.						.05	.41	.27								.12				.86			.04	2.59
Russellville‖	G					.42									.18	.31									.05				1.15				2.11
Thomtown, Dam 49‖	O					.63	.08	T.					T.		.10										.14				.60		T		1.55
Central Division																															
Addison, Dam 45‖	O					1.22	.08	.17	.06					.02	.38	.10									1.04				1.25		.01		4.28
Anchorage	O				.06	.10	T.	.18							.60										.26			1.10			.08	.06	2.44
Bardstown	S				1.35	.05	.35	.60							1.32	.12													1.28			.10	5.77
Bowling Green	G					.04									.30	.26	.06								.05				1.32				2.03
Bowling Green, No. 2‖	G					.06			T.						.35	.20	.04								T.				.90				1.63
Brownsville, Lock No. 6‖	C					.74			.07						.35	.23	.18								.22				1.08				3.23
Burnside‖	C					1.22			.18	T.					.53	.40									.02	.18			.30	.32		.36	4.19
Carrollton ‖ (Lock No. 1)	K					.56	.26							.28															.74			.22	1.90
Cold Spring, Dam 26‖	O						T.	.24	.32				T.		.92	.24	.12								.22	.01							2.07
Dix Dam, Burgin‖	K				1.02	.35		.37						.90	.90	.11								.65	.02			.28		.10		4.70
Eubank	C					1.32			.64							.03	.18								1.08				.21				4.11
Frankfort‖	K					.11	.21	T.	.10				T.		.51	T.	.03								.58				.49			.03	2.06
Franklin	G													.80	.55	.05																1.40
Frost, Lock No. 3‖	K					1.59	.06	.40	.15						.70	.16	.09								.38				.41		.15		4.12
Grant, Dam 33‖	O					T.	.02	.30	.10						.67	.46	T.								.24	T.			.37		.02	.07	2.21
Greensburg	G				.66	.05		.10	.02						1.06	.19									.28				.65		.02	.02	3.12
High Bridge, Lock No. 7‖	K					.98	.64		.38						1.46	.90	.04								.51				.22				5.13
Irvington	O				.76		.63	.29					T.	T.	.98	T.									.27				.55		.08	.12	3.42
Lancaster‖	K				.85	.53	.52								.21	1.05	.16										.76	.01		.33		.12	.15	4.38
Leitchfield	G				.26			.60						.21	.65	.06									.15				1.36		.12	.16	3.27
Lexington ***	K				.07	.33		.03	.01		T.			1.16	1.18	.36									.70			.25	.07		.12	.16	4.41
Little Hickman, Lock No. 8‖	K					1.12	.12		.33						.60	.65	.12								.50				.36			.07	4.17
Lockport, Lock No. 2‖	E				.64	.34	.15	.35						1.40	.22	.10	.10							.22				.60		.18	.05	4.38
Louisville ***	O				.07	.23	T.	.68					T	.32	.40	.02									.32				.82	T.	.08	.02	2.36
Munfordville‖	C					.60			.25						.41	.55	.32								.36				1.10				3.62
St. John	S				.68	.10		.10						.05	1.40	.25									.17				1.12		.14	.17	4.28
Salvisa, Lock No 6‖	K					1.26	T.								2.20	.62	.26								.55				.65			.10	6.66
Shelbyville	S				.23	.08	.03	.40						.05	.29	.02									.50				.76		.12	.19	2.52
Taylorsville	S				.58	.31	.05	.07					T.	.35	1.02	.06									.43						.83	.12	3.82
Tyrone, Lock No. 5	K				1.23			.04						.80	.12	.15									.55			.60			.15	.05	3.70
Williamstown	L				.06	.31	.10	.15						.05	1.19	.11	.01								.45				.46		.05	.03	2.97
Woodbury, Lock No. 4‖	C					.95			.23					.02	.23	.41	.64								.28				1.55				4.29
Eastern Division																															
Annville	C					.25	.01		.55	.01					.02	.45	.30								.25	.48			.27	.36		.03	8.01
Ashland ‖	O								.20						.26	.27	.33									.29						.08	1.47
Beattyville‖	K				.70				.70	T.			.01		.14	.32	T.								.18	.34			.14	.27		.09	2.37
Berea	K				.07	.50		.20	.08						.57	.20									.67				.29		.08	.06	2.91
College Hill, Lock No. 11‖	K					.15	.38		.45						.15	.50	.10								.75	.10			.15			.10	2.84
Cynthiana ‖	L					.23	.06		.58						.50	.05	.12								.42	T.			.22			T.	2.58
Falmouth‖	L					.15		.50	.21						1.27	.19	.45								.48				.58			.01	8.34
Farmers ‖	L						.16		.70						1.19	.45	.31								.55	.21			.12			.21	3.90
Flemingsburg‖	L					.34			1.12				.24		1.48	.62	.38									.53			.22			.14	5.02
Ford, Lock No. 10 ‖	K					.30	.25		.58				T.		.57	.67	.12								.82	.04			.14			.08	3.57
Grayson‖	O								.57				.04	.37		.24	.36									.42						.14	2.08
Greenup, Dam 30‖	O					T.	T.		.85				.04		.24	.40	.43	T.								.38				.04		.05	2.43
Harlan ‖	O					.15			.12							.25	.05												.55	.44		.02	1.58
Hazard ‖	K					.18			.18							.10	.82								.04	.54			.12	.56		.15	2.19
Heidelberg, Lock No. 14‖	K					.23	.19		.41						.13	.25	.45								.20	.46			.18	.20		.07	2.72
Jenkins‖	K					.10			.10					.08	.09	.30										.16			.28	.61		.04	1.66
Louisa ‖	K						.08		.27					.02	.14	.56	.32									.33			.15			.09	1.91
Manchester	K					.49			.31					.02		.60	.22								.31	.56			.46	.32		.13	3.32
Maysville‖	O						.04	T.	2.30					1.	.76	.16	.24								.21	.11			.04	T.	T	T	3.80
Middlesboro	C						.05								.80										.41				.92			.11	1.79
Mount Sterling ‖	L																																
Oneonta Dam 35‖	E						T.	.05	.24						.78	.24	.08								.32	.03			.40		T.	.02	2.16
Pikeville‖	K					T.			.53				.05			.12										.25			.42	.15		T	1.92
Pippapass	K					.16		.12	.10						.10										.59				.60	.50		.15	2.33
Prestonsburg‖	K								.12				.13		.28	.21	.19									.41			.08	.41		.09	1.92
Quicksand‖	K						.22		.05						.45	.60	.30							.45		.21		.20		.32		.15	8.85
Ravenna, Lock No. 12‖	K					.26	.58		.58							.52	.08								.54	T.			T.	.18		.15	2.84
Richmond	K					.60	.25		.60						.18	.08	.10								.70				.20				8.13
Valley View, Lock No. 9‖	K				.80	.50		.43						.56	.85	.20									.02			.15			.20		3.52
Vanceburg, Dam No. 32‖	O					.30			1.68				.02		.45	.46	.58								.02	.38			.10	.11		.05	3.68
Whitesburg‖	K								.35				.02		.85	.05									.41	.87	.04		.09			.09	1.68
Williamsburg ‖	C					.41			.12						.65	.30	.17								.45	.34			.85	.31			8.90
Willow, Lock No. 13‖	K					.60	.30							.60	.30										.95					.10		.10	3.95

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

¶ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

†Long Oak

Daily Temperatures for October, 1931.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	87	90	90	91	82	88	88	84	78	85	86	73	78	79	69	71	62	61	69	73	81	79	83	84	80	75	79	67	68	55	50	76.9
	Minimum	44	48	48	53	64	64	65	62	58	45	61	57	56	57	51	48	38	39	38	...	...	56	47	58	52	40	53	50	...	49	46	[1]51.3
Calhoun	Maximum	82	86	86	85	82	85	83	80	70	81	82	72	84	76	70	70	63	61	70	77	79	80	78	81	74	73	82	68	61	51	51	74.9
	Minimum	50	50	53	57	65	70	67	64	58	49	64	56	56	63	54	50	41	37	36	40	44	45	50	61	59	43	57	45	44	43	41	52.0
Earlington	Maximum	86	87	87	88	88	86	84	81	72	84	84	78	85	81	71	70	62	64	72	78	80	82	79	81	75	76	82	69	62	53	53	76.7
	Minimum	46	46	52	56	65	67	67	65	58	47	68	58	58	65	61	49	39	32	33	39	40	42	45	50	55	40	55	45	45	46	42	50.8
Earlington (near)	Maximum	84	86	88	89	92	87	86	87	71	84	...	58	56	64	50	47	42	31	51	37	38	39	45	50	53	39	52	43	...	39	40	[2]*0.8
	Minimum	45	48	61	53	61	63	64	61	56	44	...	48	56	64	50	47	42	31	51	37	38	39	45	50	53	39	52	43	...	39	40	[2]*0.8
Greenville	Maximum	83	86	87	87	82	86	83	74	74	81	85	70	83	77	72	72	65	69	73	70	82	81	77	80	81	72	80	68	77	52	50	76.1
	Minimum	52	54	58	60	67	66	66	63	53	60	65	58	55	64	54	48	41	36	39	44	47	48	54	56	57	41	54	43	42	44	38	51.9
Henderson	Maximum	87	90	89	90	92	91	88	84	78	87	90	83	87	80	76	72	68	69	76	80	83	83	81	84	81	80	84	77	66	55	51	80.1
	Minimum	46	45	49	59	63	68	67	60	58	48	63	62	59	63	50	48	40	35	34	36	37	40	52	61	54	43	56	45	41	42	40	50.8
Hopkinsville	Maximum	88	89	89	91	93	87	89	82	86	89	89	80	85	80	75	78	66	65	75	80	83	80	83	83	79	81	82	69	66	64	52	79.5
	Minimum	42	44	51	52	62	63	66	62	59	59	66	57	59	64	50	41	40	31	38	34	37	38	54	64	49	40	52	46	38	43	40	49.4
Lovelaceville	Maximum	83	84	86	85	89	75	83	82	71	80	80	84	85	83	74	69	59	62	70	76	78	81	79	80	71	79	80	71	58	56	...	[3]*76.5
	Minimum	46	49	53	55	68	65	68	65	51	52	53	56	55	64	54	46	42	40	42	39	41	42	50	61	50	47	49	44	43	44	...	[3]*51.1
Marion	Maximum	86	79	88	91	92	89	89	82	73	...	...	89	89	79	77	71	67	66	75	79	82	82	...	82	79	82	83	79	73	57	53	[4]*79.4
	Minimum	47	49	56	61	64	66	67	57	58	...	...	52	58	63	56	44	42	36	36	42	44	44	...	58	58	47	61	45	41	41	38	[4]*51.1
Mayfield	Maximum	85	88	87	90	91	89	89	83	72	88	89	75	88	92	78	72	65	67	75	78	82	80	82	83	77	83	85	67	68	53	52	79.0
	Minimum	40	40	46	51	58	61	64	58	57	46	61	63	58	64	48	42	36	30	32	36	34	47	57	58	71	71	71	74	60	52	53	47.2
Murray	Maximum	79	81	83	84	78	83	80	74	70	77	78	77	77	71	71	67	65	63	66	74	76	77	77	78	71	71	79	74	60	59	53	73.1
	Minimum	46	46	52	53	63	65	65	62	51	49	62	58	54	62	49	42	38	36	37	40	42	48	58	58	58	43	55	42	40	42	40	50.1
Owensboro	Maximum	83	84	84	85	87	84	86	81	73	85	82	79	82	75	68	71	62	65	72	76	79	78	78	78	77	77	78	68	70	62	47	73.7
	Minimum	46	46	52	53	63	65	65	62	57	59	66	57	59	64	50	41	40	31	38	34	37	38	54	64	49	40	52	46	38	43	40	49.4
Paducah (near)	Maximum	83	84	84	85	87	84	86	81	73	85	82	79	82	75	68	71	62	65	72	76	79	78	78	78	77	77	78	68	70	62	47	73.7
	Minimum	43	45	52	53	63	65	65	62	57	59	66	57	59	64	50	41	40	32	37	34	37	38	54	64	49	40	52	46	38	43	40	49.4
Princeton	Maximum	80	86	86	88	83	77	83	81	78	83	84	70	86	76	70	70	62	63	70	75	79	80	79	81	63	63	45	56	46	39	44	75.1
	Minimum	46	46	53	57	64	65	65	63	59	60	63	60	57	64	55	46	46	38	38	39	42	53	63	63	53	45	56	46	39	44	42	51.5
Russellville§§	Maximum	90	88	87	84	88	89	86	83	84	84	87	75	87	89	75	63	62	...	73	...	...	...	32	...	38	48	60	54	40	53	46	43	40	[5]*50.4
	Minimum	48	43	54	58	62	65	65	60	68	44	61	60	57	63	50	49	40	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Central Division.																																	
Anchorage	Maximum	82	84	87	87	74	80	79	74	72	79	80	65	81	71	69	69	61	62	71	76	79	81	...	77	74	68	81	68	62	51	45	[6]73.0
	Minimum	45	47	50	50	61	61	65	58	...	42	52	49	51	51	47	49	34	30	31	35	38	42	...	55	46	35	44	46	42	40	40	[6]46.1
Bardstown	Maximum	86	87	90	90	76	85	84	72	73	82	80	74	84	70	75	65	62	63	78	78	82	83	82	80	76	72	82	78	64	56	49	75.7
	Minimum	45	46	49	53	63	62	60	61	55	44	56	54	53	61	49	52	39	31	31	37	39	40	40	57	52	35	48	52	43	43	41	48.1
Bowling Green	Maximum	87	90	91	90	87	90	86	85	70	87	89	82	89	76	75	71	66	67	75	80	84	83	85	84	80	80	88	79	68	62	52	79.1
	Minimum	47	48	50	55	60	67	64	61	58	48	57	60	57	62	51	53	43	36	43	47	51	52	54	57	40	48	52	44	42	41	41	50.4
Dix Dam	Maximum	82	85	88	88	88	85	81	77	69	80	80	77	82	73	75	65	61	61	72	68	74	77	76	87	72	70	78	72	64	55	56	71.5
	Minimum	45	47	50	59	67	61	65	61	57	45	57	55	53	60	58	54	40	33	38	39	43	49	56	58	58	56	58	58	86	44	52	50.5
Eubank	Maximum	81	84	88	86	87	87	80	82	68	81	83	72	80	70	73	63	58	59	71	76	80	83	76	77	75	71	79	77	60	58	53	74.8
	Minimum	42	43	49	45	55	61	63	54	54	52	51	57	53	56	58	42	36	39	32	33	35	46	58	56	54	42	49	39	44	37	37	46.9
Frankfort	Maximum	85	87	89	88	76	86	82	77	71	81	81	71	84	75	74	69	61	62	73	78	81	83	82	82	81	77	83	78	65	58	47	75.5
	Minimum	44	46	49	48	57	59	61	60	56	41	52	51	50	63	53	50	37	34	33	33	36	36	38	50	50	33	37	51	40	42	39	46.1
Franklin	Maximum	87	90	92	92	87	92	87	87	73	90	90	75	88	72	77	71	68	64	76	80	85	82	82	81	77	78	83	78	65	57	52	79.2
	Minimum	48	46	56	62	66	68	69	60	58	42	62	60	57	69	56	48	42	35	34	43	42	48	52	61	66	42	52	52	43	43	41	[7]52.0
Greensburg	Maximum	84	86	88	88	87	88	85	84	71	79	80	79	85	78	79	67	62	60	72	76	79	79	82	80	75	70	81	75	65	58	48	76.4
	Minimum	42	41	46	49	55	63	60	57	57	47	52	57	54	58	52	50	38	30	30	33	35	36	40	52	50	34	46	51	39	40	40	46.3
Irvington	Maximum	81	82	84	85	79	83	80	78	69	78	79	74	79	81	76	69	60	60	68	73	75	76	77	76	70	67	80	64	60	53	46	72.0
	Minimum	46	50	53	59	65	66	66	63	57	49	64	53	53	63	53	53	47	37	38	42	44	46	52	60	60	43	51	48	46	43	42	52.7
Leitchfield	Maximum	77	81	83	82	74	85	81	79	77	79	81	71	79	72	70	65	60	58	70	72	74	78	76	77	72	72	77	76	60	62	49	72.8
	Minimum	51	48	54	58	68	65	68	62	56	46	62	56	54	62	54	50	41	36	34	43	44	45	51	60	60	46	48	46	42	42	38	50.9
Lexington	Maximum	79	80	84	82	73	80	79	78	68	76	76	68	77	64	69	61	54	56	66	70	74	77	76	72	67	66	76	60	59	48	43	69.2
	Minimum	59	59	61	61	64	64	65	56	52	49	56	59	58	61	51	50	42	37	41	49	56	56	58	57	52	44	52	49	44	41	40	52.3
Louisville	Maximum	81	82	86	84	72	80	76	73	69	78	77	69	80	67	68	66	57	58	68	74	77	78	77	77	70	67	80	64	59	49	46	71.1
	Minimum	55	55	58	61	63	64	66	58	56	51	57	59	54	60	53	53	45	41	39	43	49	48	50	60	61	45	51	50	48	42	42	52.2
St. John	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	46	45	52	54	62	63	66	62	55	45	60	53	52	61	49	52	39	34	37	39	44	48	56	58	58	48	48	41	40	49.1
Shelbyville	Maximum	84	84	86	89	72	82	79	78	70	81	82	72	83	67	74	70	62	64	73	76	79	81	79	78	71	68	82	66	62	50	45	73.5
	Minimum	48	50	56	56	62	62	66	58	54	48	57	59	51	61	49	52	39	34	36	39	43	44	46	58	56	40	47	49	42	45	43	49.4
Taylorsville	Maximum	79	81	83	83	82	80	79	75	67	74	77	71	74	70	71	64	63	58	65	71	74	76	75	73	72	69	78	68	60	52	44	71.4
	Minimum	42	44	47	49	58	61	64	61	56	48	53	52	53	64	52	54	39	30	31	34	37	40	52	59	55	40	52	44	48	42	42	47.0
Williamstown	Maximum	83	84	87	87	84	82	83	78	73	77	77	68	81	66	72	68	60	63	78	75	80	82	77	76	67	63	80	67	63	49	45	73.7
	Minimum	53	55	53	54	64	60	65	57	48	43	55	48	47	46	50	47	36	31	35	42	47	46	47	50	55	38	43	50	44	40	39	48.1
Eastern Division.																																	
Ashland	Maximum	82	83	82	80	82	78	88	79	66	72	80	76	75	72	74	64	61	61	68	75	78	78	81	76	72	68	82	78	67	63	49	74.1
	Minimum	49	52	52	53	58	61	63	60	54	44	56	50	48	61	53	50	34	34	36	40	45	44	48	56	56	36	37	52	44	42	41	[8]48.0
Beattyville	Maximum	81	83	85	84	84	83	78	85	68	81	84	71	78	66	75	68	62	66	69	76	77	77	78	71	68	65	65	58	48	46	42	[8]68.6
	Minimum	42	48	50	46	51	58	57	55	53	46	48	55	51	59	52	49	37	31	33	34	41	36	37	45	49	32	35	45	33	33	40	38.2
Berea	Maximum	82	84	85	81	83	84	81	78	68	80	74	69	79	71	76	66	58	58	70	74	76	80	78	75	71	69	79	74	64	54	45	73.1
	Minimum	54	50	58	62	66	63	68	62	54	40	60	56	52	58	51	50	40	34	37	41	45	44	49	58	58	38	42	52	37	37	35	50.3
Farmers	Maximum	84	85	86	87	84	81	80	80	67	78	82	66	71	71	74	72	67	68	69	64	72	77	80	84	82	74	74	70	82	77	67	76.4
	Minimum	40	43	46	44	52	56	57	54	45	41	47	56	46	60	51	47	38	36	38	38	42	42	47	58	58	38	42	51	35	36	33	[9]43.1
Harlan§§	Maximum	76	77	79	81	84	81	80	80	67	78	82	66	71	71	74	72	67	68	69	64	72	77	80	84	82	74	74	70	82	77	67	76.2
	Minimum	47	48	49	49	54	59	60	60	60	46	47	56	46	60	51	47	38	36	38	38	42	42	47	58	58	38	42	51	35	36	33	[9]43.7
Maysville	Maximum	83	85	83	88	85	79	83	78	66	78	78	70	80	75	73	66	60	62	70	76	78	81	80	79	75	69	77	73	69	67	63	[10]72.9
	Minimum	47	50	49	50	58	60	63	59	53	46	52	48	49	62	54	47	46	33	38	39	42	41	47	56	56	40	41	49	51	36	39	[10]45.2
Middlesboro	Maximum	82	85	85	81	85	85	76	82	74	78	83	77	76	73	74	64	61	62	68	73	75	76	77	77	73	69	77	73	69	67	63	[10]72.9
	Minimum	43	45	45	47	61	62	55	58	60	46	45	61	52	57	57	59	39	38	34	31	42	38	31	...	41	30	31	50	42	33	38	[10]45.2
Mount Sterling	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pippapass	Maximum	82	84	87	86	87	86	85	84	68	78	85	...	...	82	77	64	60	64	75	76	80	84	85	86	78	74	78	71	71	68	67	50	[11]75.9
	Minimum	44	44	50	48	54	64	57	50	56	47	46	52	49	52	50	50	41	40	31	31	35	36	48	52	55	36	43	45	40	40	40	[11]45.1
Quicksand	Maximum	81	83	84	86	87	85	84	84	68	76	83	72	80	72	76	68	60	62	73	76	78	82	81	71	74	71	80	75	67	53	49	74.2
	Minimum	45	46	49	48	56	63	58	58	49	45	46	50	50	57	56	51	36	34	32	34	36	38	38	49	49	34	44	46	43	37	40	[11]45.1
Richmond	Maximum	78	78	80	80	82	82	74	78	76	78	79	76	75	64	78	65	68	65	69	68	72	74	73	74	74	68	65	77	64	58	51	70.9
	Minimum	52	55	58	60	65	66	62	56	45	50	56	52	57	53	50	50	36	36	36	42	48	47	50	55	58	42	48	52	45	42	40	[12]48.7
Williamsburg	Maximum	85	87	91	87	90	88	76	85	71	81	85	72	75	73	80	64	65	65	67	70	81	86	87	89	78	70	78	74	82	69	65	71	67	77.0
	Minimum	42	41	52	50	55	64	59	58	38	51	59	55	60	56	52	54	32	34	31	36	37	39	28	50	51	35	51	50	41	37	47.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

[1], [2], etc. indicate respectively 1, 2, etc. days missing from record.

W. P. O. [illegible] 1109

551.05
UNKE

THE LIBRARY OF THE
JAN 2 1932
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVI LOUISVILLE, KY., NOVEMBER, 1931 No. 11

GENERAL SUMMARY.

The dry weather of the first decade delayed the growth of grass and winter grains, which lacked sufficient moisture in most of the State. Corn gathering moved forward rapidly, with the grain thoroughly dry and the soil of the fields in perfect condition for its removal. Moderate rains in the northern counties in the second week, together with the increased and sustained warmth, greatly accelerated growth. This improvement extended to most other districts with the heavier and more general rains of the third week. Copious rains in the last week finally broke the persistent dry weather in the southern counties and relieved the water shortage. More than two weeks of temperatures almost summer-like in character brought most of the wheat to good size. Some of the first sown that had received the earlier rains became quite rank. Hessian fly activity increased during the warm spell to an extent not noticed for many years. Light freezes in the last week were beneficial in checking the growth of wheat at a time when much of it seemed inclined to become too rank. In the northern counties where moisture was more abundant early in the warm period, pastures grew out sufficiently to care for the needs of livestock and were still good at the close of the month. Improvement occurred in the southern counties, which received their rains too late for much growth of grass.

General killing frost occurred on the 5th, with all crops susceptible to injury long since matured and harvested. In the northern counties tobacco stripping became possible after the rains of the 17th and 19th, but the work did not become general until the damp period near the end. With the exception of tobacco handling, all farm activities were unusually favored and advanced by the long duration of the mild and dry weather.

TEMPERATURE.

Reports from 41 stations gave an average temperature of 55.0°, which is the highest of record for this month. There were a few cool days in the first and last weeks, otherwise unseasonably high temperatures prevailed. In the period 8-24th, daily average temperature ranged from 10° to 28° above normal. For more than 10 days the daily excess was above 20°. Extremes were 84° at Williamsburg on the 14th and 19° at Middlesboro on the 7th.

PRECIPITATION.

The average precipitation of 3.52 inches, based on the records of 83 stations, was practically normal. Monthly amounts decreased eastward with marked regularity from more than 6.0 inches in the Purchase to about 1.5 inches near the Upper Big Sandy. As a rule the principal agricultural sections received normal or greater rainfall. Light to heavy local showers occurred from the 10th to 15th. Most of the rain fell in two extended periods, 17th-22d and 25-30th. In the first of these periods they were moderate to heavy in the western counties but diminished to local showers in the mountain counties. In the second period they were more generally distributed. This type of rainfall and its distribution in time resulted in large absorption by the soil with but little run-off. Amounts ranged between 1.94 inches at Louisa and 6.61 inches at Murray. Thunderstorms were reported on the 11th, 14th and 16th.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure, in inches reduced to sea level.					Wind.†			
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Ave. hourly velocity.	Mean Velocity.* Miles per hour	Direction.	Date.
Cairo .....Ill.	30.14	30.50	26	29.65	17	5385	7.5	25	sw.	17
Cincinnati .....Ohio	30.18	30.65	26	29.79	17	4625	6.3	16	sw.	20
Evansville..... Ind.	30.16	30.56	26	29.68	17	6552	8.4	28	sw.	12
Lexington .....Ky.	30.22	30.60	26	29.80	17	8416	11.7	38	s.	20
Louisville .....Ky.	30.19	30.64	26	29.76	17	6656	9.2	80	sw.	20

*For any five minute period. †By 3-cup anemometer beginning January, 1928.

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with: 80 per cent or more.	Number of days with: 20 per cent or less.
Cairo .....Ill.	51	61	58	146.7	305.6	48	10	10
Cincinnati .....Ohio.	80	67	70	152.9	301.5	51	9	16
Evansville.....Ind.	81	70	65	148.3	303.7	49	8	11
Lexington .....Ky.	81	66	..	126.6	303.7	42	6	12
Louisville .....Ky.	78	68	68	145.1	303.7	48	8	10

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature. Monthly average.	Departure from digital normal.	Highest.	Lowest.	Precipitation. Monthly average	Departure from digital normal.	No. of days with .01in or more.	Average for Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
Mean	46.4	.....	93	−9	3.57	.....	8	13	6	11	0.6
1886...	43.1	−3.3	85	0	6.64	+2.47	..	..	..	..	.....
1890...	48.6	+2.2	81	19	4.87	+1.30	..	..	..	..	.....
1894...	43.5	−2.9	75	16	6.04	+2.47	..	..	..	..	.....
1902...	42.8	−3.6	78	5	5.51	+0.28	..	..	..	..	.....
1898...	44.3	−2.1	79	−2	3.32	−0.45	..	..	..	..	.....
1894...	43.3	−3.1	80	8	1.52	−2.29	4	..	..	..	.....
1895...	45.8	−0.6	85	16	3.29	+0.72	7	19	7	13	.....
1892...	49.3	+2.9	80	14	5.61	+1.44	8	16	8	12	.....
1907...	47.8	+1.4	79	12	4.69	+1.12	10	13	7	10	T.
1925...	43.2	−3.2	80	16	2.79	−0.78	8	12	7	11	6.5
1899...	49.8	+3.4	79	20	2.12	−1.45	8	11	7	12	T.
1930...	47.0	+0.6	83	15	7.78	+4.21	8	15	6	9	1.0
1931...	41.8	−4.6	82	13	1.52	−2.05	4	13	5	6	T.
1902...	53.4	+7.0	80	20	4.42	+0.85	11	11	6	13	0.3
1903...	42.5	−3.9	84	5	3.01	−0.56	8	12	7	11	2.0
1904...	44.7	−1.7	79	14	0.89	−2.68	3	15	6	9	T.
1905...	46.4	0.0	79	14	3.55	−0.02	7	15	6	9	T.
1906...	46.1	−0.3	93	14	5.02	+1.45	7	15	6	11	2.3
1907...	44.2	−2.2	83	15	2.61	−0.96	7	14	5	11	6.1
1908...	48.6	+2.2	85	8	2.61	−0.96	7	14	7	9	6.2
1909...	54.7	+8.3	86	19	2.29	−1.28	6	15	6	9	T.
1910...	41.1	−5.3	78	11	2.04	−1.53	6	16	5	9	T.
1911...	41.6	−4.8	87	9	4.51	+0.94	8	16	4	10	0.8
1912...	45.2	−1.2	82	10	1.29	−2.28	4	18	5	9	0.2
1913...	50.5	+4.1	84	9	3.25	−0.32	6	15	5	12	0.2
1914...	46.9	+0.5	85	5	1.25	−2.32	5	18	5	7	3.4
1915...	49.8	+3.4	85	16	4.96	+1.39	9	15	7	8	3.3
1916...	47.8	+1.4	83	8	1.52	−2.05	4	20	4	6	T.
1917...	44.0	−2.1	83	11	2.84	−0.73	6	14	5	11	0.3
1918...	46.1	−0.5	83	19	1.00	−2.57	5	11	5	14	0.3
1919...	49.8	+3.4	85	16	7.31	+3.74	8	15	5	10	T.
1920...	44.7	−1.7	79	16	2.21	−1.36	6	12	7	11	2.1
1921...	49.8	+3.4	80	20	7.96	+4.39	12	11	8	11	T.
1922...	50.5	+4.1	85	19	1.93	−1.64	6	16	6	8	0.4
1923...	43.1	−3.3	80	7	2.58	−0.99	6	16	6	8	0.6
1924...	45.7	−1.3	83	13	1.82	−1.75	9	11	7	13	0.1
1925...	43.5	−1.5	78	5	5.13	+1.56	7	12	5	13	0.1
1926...	46.9	3.6	86	5	3.40	−0.17	7	14	5	11	0.2
1927...	48.3	−0.9	82	15	4.11	+0.54	7	13	6	11	0.1
1928...	48.3	−0.1	78	17	4.13	+0.56	11	8	5	17	1.3
1929...	41.6	−4.8	86	−9	1.82	−1.75	11	12	5	13	2.9
1930...	45.1	−1.3	86	16	3.73	−0.05	10	13	5	12	1.1

Climatological Data for November, 1931.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	27	58.1	+10.2	83	1†	23	6	52	5.15	+1.97	1.20	0	8	18	3	9	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	27	56.4	+ 8.2	79	11	30	6†	36	5.06	+1.60	1.44	0	11	9	11	10	sw.	W. A. Taylor.
Earlington	Hopkins	420	41	56.8	+ 9.0	80	11†	28	6†	36	5.15	+1.17	1.45	0	11	15	0	15	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	2								5.28		1.22	0	9					W. D. Hatcher.
Greenville	Muhlenburg	519	14	55.5	+ 7.7	80	11	24	6	37	3.71	−0.28	1.08	0	8	9	16	5	s.	C. R. Lovell.
Henderson	Henderson	382	17	55.6		80	9	30	6†	33	4.40	+0.16	1.05	0	9	18	4	8	w.	Richard Stites
Hopkinsville	Christian	524	35	56.5	+ 8.0	81	11	27	6†	42	4.39	+0.21	0.94	0	11	10	1	19	se.	W. E. Graves.
Lovelaceville	Ballard	....	2	56.0		82	16	23	7	45	5.51		2.00	0	6	12	7	11	s.	Blaine Malone.
Marion	Crittenden	571	33	56.2	+ 7.9	82	13	31	25	39	4.92	+1.03	1.54	0	8	8	11	11	s.	B. C. Paris.
Mayfield	Graves	364	22	56.8	+ 7.5	81[b]	14	30[b]	6	36[b]	6.48	+2.36	1.75	0	7	15	6	9	se.	Mrs. C. R. Sowell.
Murray	Calloway	412	5	54.4		83	15	22	7	46	6.61		1.79	0	8	9	7	14	s.	Harry B. Arnold
owensboro	Daviess	479	34	54.6	+ 7.4	77	16	28	7	35	4.77	+1.31	0.90	0	14	13	1	16	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	401	3								5.28		1.53	0	11					George McGlemary.
Paducah (near)	McCracken	516	14	54.2	+ 6.2	76	16	25	6†	32	6.16	+1.87	2.31	0	11	13	3	14	se.	J. W. Lilley
Paducah	McCracken	341	42								5.99	+1.95	2.10	0	9					Frank L. Brown.
Princeton	Caldwell	529	24	55.5	+ 8.6	80	11	27	7	38	5.10	+1.06	1.72	0	11	13	5	12	s.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	384	14								4.83	+0.88	1.83	0	10					Thos. L. Wetzell.
Russellville	Logan	590	20	52.6	+ 5.3	79[f]	15	25[f]	6	39[f]	4.48	+0.84	1.17	0	8	16	2	12	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	3								5.49		1.05	0	10					Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	352	3								4.46		1.16	0	13					C. L. Moore.
Anchorage	Jefferson	700	30	53.6	+ 9.2	79	16	23	6	36	3.90	+0.78	1.10	0	10	14	3	13	se.	C. E. Barret.
Bairdstown	Nelson	637	34	53.1	+ 9.4	81	16†	25	6	39	3.84	+0.46	1.00	0	10	12	7	11	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	42	57.2	+ 9.6	80	15	27	7	38	4.30	+0.49	0.95	0	11	14	6	10	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	6								4.01		0.93	0	8					T. Rone
Brownsville, Lock 6	Edmonson	410	14								4.58	+0.03	1.25	0	13					Virgil H. Whalin.
Burnside	Pulaski	773	40								2.66	−0.86	1.17	0	9					T. A. Lewis
Carrollton, Lock 1	Carroll	422	32								3.82	−0.64	1.28	0	6					Shelby Angel.
Cold Spring, Dam 36	Campbell	480	5								2.39		0.50	T.	11					Reuben Hartley.
Dix Dam, Bargin	Mercer	770	7	55.6		80	16†	27	6†	38	2.99		0.86	0	11	13	8	9	se.	C. W. Williams.
Eubank	Pulaski	1177	37	54.2	+ 9.1	78	16†	22	6	38	2.95	−0.21	1.54	0	6	9	7	14	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	39	54.3	+ 7.9	80	16	23	6	45	3.41	+0.15	1.15	0	12	8	5	17	s.	Sidney Wood.
Franklin	Simpson	691	36	56.0	+ 6.2	82	15	27	6	35	4.99	+1.34	1.34	0	8	16	9	5	s.	M. E. Johnson.
Gest, Lock 3	Henry	449	20								3.36	+0.24	0.98	0	15					Louis Shiddell.
Grant, Dam 38	Boone	780	6								2.37		0.36	0	11					H. W. Sprague.
Greensburg	Green	581	38	55.0	+ 9.8	79	14†	23	6	39	3.79	+0.68	0.91	0	10	8	1	21	s.	Mrs. Bettie K. H. Alcorn.
Higa Bridge, Lock 7	Jessamine	550	29								3.23	+0.66	1.10	0	13					Miss Ruby L. Simpson.
Irvington	Breckinridge	646	33	55.4	+ 8.8	77	16	30	6†	28	3.61	+0.26	0.90	0	8	12	3	15	sw.	W. J. Piggott.
Lancaster	Garrard	1052	5								2.81		1.20	0	9					John Anderson.
Leitchfield	Grayson	685	35	55.1	+ 8.6	78	15	28	6	30	4.68	+0.72	1.20	0	11	12	6	12	sw.	H. H. Willis.
Lexington	Fayette	989	47	54.8	+ 7.4	76	22	28	26	29	2.50	−0.09	0.83	0	12	9	8	13	sw.	U. S. Weather Bureau.
Little Rickman, Locks 5	Jessamine	523	26								1.96	−0.12	0.78	0	9					Horace Cinter.
Lockport, Lock 2	Henry	476	21								3.15	+0.81	0.99	0	8					Frank Litch.
Louisville	Jefferson	525	58	55.4	+ 8.7	77	16	30	26	29	3.38	−0.23	0.75	0	11	8	6	16	s.	U. S. Weather Bureau.
Madisonville	Hart	660	8								3.71		1.18	0	10					A. G. Hubbard.
St. John	Hardin	777	35	54.4	+ 8.7	76	12†	26	6	36	4.66	+1.13	0.90	0	11	21	5	4		Sisters of Loretto.
Salvisa, Lock 6	Mercer	490	17								4.35	+1.76	1.01	0	12					Ernest M. Searcy.
Shelbyville	Shelby	825	42	54.8	+10.3	81	17	27	6	35	3.62	+0.08	0.77	0	13	14	1	15	s.	Miss Ruth Ratta,
Taylorsville	Spencer	489	24	54.0	+ 9.2	77	17	25	6†	39	4.34	+1.11	1.03	0	13	12	4	14	s.	E. D. Bourne.
Tyrone, Lock 5	Anderson	526	13								3.42	−0.74	1.05	0	10					H. K. Vaughn.
Williamstown	Grant	943	28	54.8	+ 9.2	80	14†	24	26	32	3.62	+0.89	0.70	0	14	13	8	9	s.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	523	14								4.50	+0.41	1.21	0	14					H. J. Lewis.
Eastern Division.																				
Annville	Jackson	....	....								2.37		1.18	0	9	14	4	12	sw.	W. A. Worthington.
Ashland	Boyd	554	14	55.4	+ 8.5	80	16	24	7†	36	2.22	−1.36	0.79	0	10	11	1	18	w.	Jacob Armbruster.
Beattyville	Lee	650	27	53.4	+ 8.5	80	14	22	7	42	2.26	−0.74	0.94	0	9	8	7	15	w.	Robert S. Smallwood.
Berea	Madison	1070	26	56.9	+ 9.0	77	14†	27	26	32	3.09	−0.08	0.74	0	11	15	7	8	sw.	Chas. G. Graham.
Cattle Hill, Lock 11	Madison	601	31								2.95	+0.21	0.65	0	13					Kelly Walden
Cynthiana	Harrison	684	13								2.76	−0.53	1.02	0	11					P. H. Kehoe.
Falmouth	Pendleton	800	42								3.13	−0.15	0.96	0	13					J. V. Oldham.
Farmers	Rowan	668	23	53.7	+ 8.6	81[a]	16	21[a]	26	44[a]	3.54	+0.48	1.19	0	8	14	4	12	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	6								3.18		0.94	0	7					C. A. Claycock
Ford, Lock 10	Clark	593	15								2.80	−0.33	0.92	0	12					John A. Walters.
Grayson	Carter	589	6								2.46		0.83	0	8					Col. Frank Powers.
Greenup, Dam 20	Greenup	610	11								2.13	−1.44	0.60	0	14					T. Mitchell.
Harlan	Harlan	1197	3	53.6		78	21†	23	7	40	1.96		1.10	0	6	18	3	9	s.	W. W. Duffield.
Hazard	Perry	869	7								1.77		0.46	0	7					Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	661	14								1.91	−1.49	1.00	0	8					S. C. Cole.
Jenkins	Letcher	1505	6								1.04	1.93	0.46	0	11					R. R. Daugherty.
Louisa	Lawrence	584	27								2.23	−0.23	0.79	0	7					Russian Copley.
Manchester	Clay	....	11								2.65	−0.37	0.89	0	13	4	10	16	sw.	Jeanett H. White.
Maysville	Mason	524	34	54.4	+ 9.7	79	20†	25	7	33	2.66	−0.37	0.89	0	13	4	10	16	sw.	Perry E. Bennett
Middlesboro	Bell	1128	35	51.3	+ 5.3	75	22	19	7	41	2.06	−1.37	0.57	0	6	8	19	3		Matthew Woodson
Mount Sterling	Montgomery	920	11																	W. R. McKee.
Orangeburg, Dam 35	Campbell	497	9								2.91	−0.59	0.65	0	13					Otto Riddle.
Pikeville	Pike	656	25								1.56	−1.18	0.55	0	6					Robert Bruess
Poppington	Knott	1035	..	55.2		83[b]	14†	24[b]	7	42[b]	2.27		0.80	0	5	21	3	6		E. W. Summerfield.
Prestonsburg	Floyd	640	6								1.58		0.58	0	6					F. C. Hall.
Quicksand	Breath It	732	5	53.4		80	14†	22	7	46	1.93		0.75	0	8					R. W. Jones.
Ravenna, Lock 12	Estill	651	13								2.58	−0.54	1.20	0	9					Walter P. Bush.
Richmond	Madison	996	40	54.8	+ 7.8	76	17	28	26	36	3.37	+0.21	1.60	0	11	16	0	14		J. W. Crooke.
Valley Woods, Lock 9	Madison	541	18								4.79	+1.11	1.59	0	11					Thos. Sullivan.
Vanceburg, Dam 32	Lewis	527	16								2.17	−1.53	0.42	0	11					H. M. Fannin.
Williamsburg	Letcher	1142	6								1.65		0.77	0	6					G. R. Zimmerman.
Williamsburg	Whitley	959	31	54.7	+ 7.4	84	11†	20	26	50	2.00	−1.04	0.80	0	7	21	3	6		H. F. Davis.
Wilson, Lock 13	Lee	611	12								2.40	−1.28	1.50	0	8					Jessie Hicks.
State averages and totals				55.0	+ 8.6	84	14†	19	7	50	3.52	0.05	2.31	T.	10	13	5	12	s.	

All temperature data are taken from self-registering thermometer.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or district means. Miami ey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River and its tributaries.

Record of days, *, †, ‡, appearing in the table indicate number of days missing; for example, 5 represents two days, etc.

[a] Also on other dates. [b] Received too late to be included in means and summaries. [c] Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak

*Precipitation and hourly—Lock 5, Lockport, Ky.; Lock 6, Carrollton, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

MISCELLANEOUS.

Pressure remained low throughout the month

Errata for October, 1931.

Pressure and Wind table, page 37: Lexington, maximum wind velocity should be 20 on the 27th.

Daily Precipitation for November, 1931.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G													.40					1.20						.30							
Calhoun	G																															
Carlington	G									T.	.05	T.	.70		T.		.05	1.43	.01	.46				.41	T.	.05	.55	T.		.11		15
Cords Ferry, Dam 50	G												.15				.15	1.45	.12	.81				.52	.46	.20	.01					5
Greenville	G										.30		.48	T.				1.22		1.40	.25				.07		.02		T.			
Henderson	O														1		.07	1.08		.72				.16	.17	.05	.05		1.00			
Hopkinsville	C												1.05				.33	1.03	.05	.05				.15	.05	.09	.05					
Owensville	M												T.		.01		.26	.88	.06	.01				.25	.14	.08	.80		.04	.02		
Paducah	M									.07								1.22		2.00												
Mayfield	M										.45		.25				1.54		.93	.18	T.			.47		.10		T.	1.25			
Murray	T										.15							1.50		1.70					.34		.97		1.26	.44		
Owensboro	O													T.			1.00	T.	.21	1.79				.22	.11	T.	1.08		1.11			
Owensboro, Dam 46	O	T.								.08	.61	.10	.39	T.			.25	.90	.03	.28				.60	.37	.20	.25	T.	.40	.4		
Paducah (near)	O										.67		.41	.10				1.53		.36	.15				.03		.48	.01	.22	.57		
Paducah	O									.06			.12				.97	.40	.08	2.31				.46		.14			.56			
Princeton	G										.23		.06		T.		1.25		2.10	.54							.50		.04	.02		
Ramsey, Lock No. 2	G									.03			.68		.03		1.72		.05	.58				.40		.26	.03	T.	1.11	.57		
Russellville	O										.04		.54	.10				1.53		.28	.12				.80			.02		.26	.06		
Shelbyntown, Dam 49	O																	1.17	.12	.02	.17				.22		.06		.25	.02		
Central Division											.63		1.05	.43	T.			.80	T.	.81	.34				.24		.55		.24	.16		
Addison, Dam 45	O	.06																														
Anchorage	O										.21	.06	.36	.04			T.	1.16		.50	.09				.43		.47	.02	.18	.88		
Bardstown	S	.05										.05	.52				.25	1.10	.18	T.				.31		.18	.45	T.	.51			
Bowling Green	G												.21		.05			.70	.25	.15	.20						1.00		.65			
Bowling Green, No. 2	G										.02		.18	.01				.95	.10	.70	.14											
Brownsville, Lock No. 6	G	.02									T.	T.		.16				.98		.84	.18				.18		.68		.05	.05		
Brunstad	C	.03									T.	.05	.10	.15		.07		1.00		.66	.21	.03			.16		.03	T.	.23	1.26		
Carrollton (Lock No. 1)	K												T.					.18		.44	T.	.12			.07		.15	.36	.14	1.17		
Old Spring, Dam 36	O	.08											1.22					.42		.41					.07		.15	.36	.14	1.17		
Dix Dam, Burgin	K										.12	T.	.24	.07				.50		.12	.09				.50		.54			.04		
Elkbank	C										.05	.16					.33		.28	.07	.06			.20	.83	.35	.37	.04	T.	.47		
Frankfort	K	.07											.21					.41		.21						.05	.10	.55				
Franklin	G										.05	T.	.32	T.		.05		.39	T.	.11	.20	.08			.14				.56	1.51		
Frost, Lock No. 3	K	.09									T.							1.34	.22	.05	.13				.26		.65		.68	1.15		
Grant, Dam 35	O	T.									.14	.01	.42	.01		.03		.62	.02	.40	.10	.04			.35			.77	.68	.55		
Greensburg	G					.02					.13		.24	.10				.36		.34	T.						.47	.62	.03	.98		
Guth Bridge, Lock No. 7	K	.05											.01					.71	.15	.02	.24			T.	.20	T.	.84	.05	.46	.95		
Hampton	O									.14			.14		.03			.80		.26	.05	.02			.23		.80	.05	.04	1.10		
Hanceville	K	.01								T.	T.		.34				T.	.88	.12	.31	T.			.40		T.	.53	T.	.33	.13		
Hartwell	G																	.50		.16	.02	.14				.02		.08	.26			
Hawesville ***	K												.05		.05			1.20	.02	.80	.02			.16	.21	T.	.57		.75	.85		
Little Hickman, Lock No. 8	K	.68									.04	.01	.16	T.	T.	T.	.31	.03	.20		.12			.12		.12	.05		.50	.52		
Lockport, Lock No. 2	K										T.	.10		.01				.48		.14	.18				.14		.75	.63				
Louisville ***	O									.12		.47	T.				.59	T.	.44	.05												
Milford ville	O	.06								T.	.07	.32	.10		.02		.49		.71	T.	T.			.34		.27	.21	T.	.51	.12		
Milton	S													.10				.90		.22	.10	.01			.18		.75		.18	1.12		
Moss, Lock No 6	K	.10										.05	.25		.05			.90	.04	.80	.13				.30		.80		.62	.74		
Mulberville	S	.06									.25		.23	T.				.50		.50	.35	.26			.30		.60	.04	.12	1.01		
Nicholasville											.22	T.	.33		.01			.77	.03	.14	.11			.12	.22	T.	.57		.42			
Nicholson, Lock No. 5	K									1.03	T.		.32	.07	.02			.53	.13	.08	.17			.10	.22		.63		.57	.07		
Williamstown	L									.10	.26		.02					.84	.32	.09				.20		.48	.02		1.65			
Woodbury, Lock No. 4	G									.10	.25	.45	.03					.56	.02	.25	.30	.03		.07	.25		.01		.11	.70		
Eastern Division										.01		.04	.28	.02	.15			1.21		.35	.10	.01			.25		.06	.01	.23	1.11		
Barnville	C	.17																														
Blaud	O	.03																.13		.05		.07			.08		.47	.20	.07	1.15		
Cattyville	K	.18										.05	.20	.02				.15			T.	.25			.08		.32	.11	T.	.70		
Cisco	K	.06								T.	T.	T.						.09		.04	.04	T.			.17		.32	.11	T.	.70		
Dale Hill, Lock No. 11	K	.08									.02	T.						.85	.10	.05	.25				.15		.71	.15	.18	.97		
Dunlap	L	T.	T.										.10	.08	.05	T.		.85		.22	.07	.20			.22		.68	.02	.49	.71		
Falmouth	L	.02								T.	T.		.12			.01		.56		.22	.10	.02			.15		.60	.10	.12	.85		
Farmers	L	.17									.06		.54	.01		.02		.30	.01	.17	.09	.01			.07		.70	.05	.02	1.02		
Flemingsburg	L										.10	.26	.02					.68		.08	.21				.21		.42	T.	.09			
Ford, Lock No. 10	K	.04	T.								.12		.58					.48		.16					.22		.85	.10		1.19		
Frankfort	O	.07									.05	.04	.12	.01		T.		.47		.25	T.	T.			.10		.70	.24				
Fishhawk, Dam 30	O	.03	T.								.03		.19					.17				.88			.03		.70		.02	.05	.58	
Glenn	C	.17							.02			.05	.25	.06	.01	T.		.11		.05	.02	.38			.05		.31	.18		.07		
Goddard	K	.28																							.02		.27	.20	.16	1.50		
Goldberg, Lock No. 14	K																	.02		.04							.32	.11	.85			
Hawkins	K																	.10		.03	.02	.06					.43	.13	.14	.02		
Hisa	B	.02	.02															.54	T.						.07	.22	.45		.27	.28		
Winchester	O	.19										.06	.03	.01				.05									.46	.18	.05	.16		
Jeffersville	O	.06																.05							.07		.51	.17	.22	.70		
Jamestown	C										.04	.05	.28	.02				.48	.02	.18		.01			.26		.30	.09	T.	.82		
Mount Sterling	L																		.07	.05					.21		.35	.09	T.	.82		
Pinnonta Dam 35	O	.01																	.12	.07	.30						.48	.01	.45	.95		
Pineville	B	.20									.10	T.	.40	.18		T.		.05	T.	.28	.18	.02			.05	T.	.55		.46	.85		
Piarapas	K	.80												T.											.27		.35	.10	.01	.46		
Pottsburg	B	.08																							.06		.28	.05	.22	.55		
Pricksaudi	K	.12																									.50	.03	.21	.53		
Quicksand, Lock No. 12	K	.12									.10							.11							.03		.32	.35	.20	.85		
Raymond	K	.12									T.	T.	T.					.15		.05	T.	.24			.18	.30		.22	.16	.75		
Riverview, Lock No. 9	K											.10	.05					.50		.30	.05				.12		.58	.06	.05	1.20		
Rochburg, Dam No. 32	O	.06									.25		.15				1.10		.25		.04			.28		.90	.05	.20	1.10		
Rossburg	K	.28									.02	.12	.31					.42	.08	.04		.11			.25		.84		.42			
Shansburg	C																			.02							.25	.32	.03	.75		
Slow, Lock No. 13	K																	.16		.20		.03					.26	.37	.24	.80		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Regular Clark *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

*Lone Oak.

Daily Temperatures for November, 1931.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	83	65	75	73	68	66	68	70	78	79	83	82	80	75	80	78	82	70	76	67	70	71	80	78	73	74	48	46	45	49	..	71.3
	Minimum	31	34	37	40	26	23	25	27	44	42	55	53	58	60	55	60	60	59	60	57	48	50	53	52	50	31	41	35	38	39	..	44.9
Calhoun	Maximum	58	60	72	68	65	58	66	77	72	76	79	77	72	78	77	78	75	67	67	72	69	77	76	72	49	48	46	42	42	45	..	65.8
	Minimum	37	39	41	44	32	30	30	47	50	58	62	61	58	62	62	62	62	58	42	59	51	57	58	48	32	32	35	38	38	39	..	47.1
Earlington	Maximum	54	61	73	66	63	56	64	76	73	77	80	77	74	78	76	80	75	65	65	70	70	77	79	77	48	45	44	43	43	45	..	65.8
	Minimum	36	35	40	40	30	28	28	52	53	53	59	61	62	58	59	63	63	65	58	48	65	50	54	59	64	32	32	36	38	39	39	47.9
Greenville	Maximum	57	66	72	66	65	64	65	75	71	75	80	78	74	79	77	79	77	68	69	75	70	79	77	70	50	42	45	44	44	43	..	66.0
	Minimum	34	35	35	45	28	24	25	47	49	49	55	59	59	52	61	59	59	54	66	49	63	72	75	77	69	48	40	43	39	52	49	45.0
Henderson	Maximum	57	61	73	63	65	57	66	61	80	71	78	73	75	78	77	79	74	66	69	73	72	78	77	69	48	40	43	39	37	36	..	65.1
	Minimum	37	39	40	43	33	30	49	46	48	47	57	56	60	58	60	60	60	56	48	51	47	56	56	46	31	30	34	37	37	36	..	46.2
Hopkinsville	Maximum	64	63	75	73	67	60	69	76	73	77	81	79	79	80	77	80	75	67	69	71	71	78	78	69	50	44	48	43	48	47	..	67.7
	Minimum	35	39	37	46	30	27	27	41	40	41	54	58	61	53	59	57	61	57	45	58	52	57	54	50	32	33	36	38	40	42	..	46.3
Lovelaceville	Maximum	59	60	62	75	69	62	53	70	72	70	77	78	82	79	76	76	76	64	67	68	67	79	75	73	50	45	44	44	44	51	..	66.9
	Minimum	29	36	36	43	28	26	28	44	46	51	52	61	61	51	62	59	60	56	45	59	44	54	57	48	32	38	36	37	38	39	..	45.1
Marion	Maximum	50	60	62	75	69	62	53	70	72	70	77	78	82	79	76	76	76	64	67	68	67	79	75	73	50	45	44	44	44	51	..	66.7
	Minimum	36	41	40	43	37	32	36	40	38	38	52	60	60	61	60	62	62	52	47	59	48	58	60	35	31	35	39	36	37	38	..	45.7
Mayfield	Maximum	58	61	76	78	67	59	68	77	73	76	79	78	78	81	78	78	78	71	75	80	76	81	80	78	50	47	48	48	48	47	..	67.6
	Minimum	35	38	42	45	34	30	32	48	48	48	55	55	60	60	60	61	60	56	48	59	47	56	56	46	31	34	35	36	39	38	..	46.6
Murray	Maximum	57	64	79	74	66	56	63	77	73	77	80	80	80	81	83	80	76	65	67	68	70	80	80	67	49	45	45	45	46	46	..	67.5
	Minimum	33	35	39	38	26	25	22	37	33	35	48	53	58	48	51	53	58	53	48	52	47	56	58	48	37	30	32	37	38	40	..	41.3
Owensboro	Maximum	54	57	68	63	63	57	63	73	70	72	75	74	71	76	75	77	74	72	67	72	68	76	74	68	58	56	51	48	44	44	..	65.2
	Minimum	34	37	37	43	29	30	28	44	41	42	44	50	54	52	53	56	54	52	45	56	47	50	55	55	45	30	31	34	36	36	37	44.1
Paducah (near)	Maximum	51	60	72	70	62	57	64	74	70	65	72	72	74	74	72	76	71	61	62	63	61	73	72	68	46	44	39	40	40	44	..	62.3
	Minimum	34	37	43	42	39	25	33	48	48	51	53	61	60	59	60	63	66	59	55	45	58	65	55	48	30	31	33	44	42	43	46	46.0
Princeton	Maximum	55	60	73	65	63	54	65	75	72	75	80	78	77	78	76	79	76	66	68	69	70	77	76	69	47	48	43	44	42	43	46	65.6
	Minimum	34	37	37	46	36	23	27	42	42	43	53	60	61	53	61	59	60	56	48	50	47	55	55	45	32	33	36	37	40	40	..	45.4
Russellville§§	Maximum	56	65	72	67	62	51	66	..	75	..	..	..	..	..	..	..	70	78	76	62	68	75	69	76	75	77	49	46	49	42	..	63.0
	Minimum	36	38	37	45	28	25	27	34	..	44	..	..	..	..	..	..	53	55	56	46	50	57	55	59	58	33	30	35	39	41	39	42.3
Central Division.																																	
Anchorage	Maximum	58	58	69	65	62	54	64	72	73	72	73	75	66	77	74	79	77	67	65	75	66	76	77	70	55	47	42	43	43	42	..	64.4
	Minimum	34	34	35	34	26	23	25	43	42	38	50	53	56	52	54	54	56	49	51	60	52	52	54	45	33	26	33	36	36	37	..	42.8
Bardstown	Maximum	55	59	69	67	65	60	66	73	74	74	77	77	70	78	77	81	81	72	67	76	66	77	78	72	49	48	46	46	47	48	..	66.4
	Minimum	37	36	32	36	26	28	27	47	45	39	53	58	60	59	55	61	60	59	59	63	56	55	62	57	32	28	35	38	41	40	..	45.8
Bowling Green	Maximum	60	61	71	73	66	58	65	75	73	75	79	78	78	79	80	79	79	68	69	75	69	78	78	75	62	52	45	47	50	50	..	68.1
	Minimum	40	41	36	45	33	31	27	42	42	40	53	55	58	58	56	56	56	58	56	61	57	54	52	55	34	32	38	41	41	41	..	46.2
Dix Dam	Maximum	55	58	67	65	60	56	65	70	75	74	76	78	75	80	76	79	77	71	66	75	70	80	78	78	53	42	45	45	50	57	..	66.0
	Minimum	42	40	37	43	33	27	27	40	41	40	39	51	60	61	51	57	56	60	51	58	50	51	49	53	33	30	33	35	36	40	..	45.1
Eubank	Maximum	58	57	66	66	63	52	64	72	71	74	74	75	69	77	77	78	74	74	66	76	74	74	75	69	49	39	30	34	39	43	41	62.1
	Minimum	39	31	28	44	25	22	21	38	38	34	44	50	60	54	50	50	50	56	48	50	48	52	52	48	32	28	35	38	41	40	..	42.3
Frankfort	Maximum	59	60	69	66	62	57	64	72	74	75	75	76	71	79	73	80	78	73	67	75	72	78	77	75	67	62	44	44	46	49	..	65.6
	Minimum	41	37	30	35	27	23	24	34	35	39	52	52	60	52	47	53	50	59	46	59	52	50	46	49	33	24	34	38	41	41	..	42.0
Franklin	Maximum	57	62	71	70	66	62	64	69	73	77	79	78	78	82	78	77	71	69	75	70	68	74	74	74	54	47	46	44	55	57	..	65.4
	Minimum	40	40	40	45	31	27	29	46	45	47	56	56	60	60	52	57	52	58	58	57	60	58	55	55	52	42	41	37	41	41	..	46.7
Greensburg	Maximum	56	59	69	68	64	59	67	72	73	74	78	77	71	79	79	79	78	72	69	71	70	78	78	75	62	47	44	46	50	53	58	67.7
	Minimum	38	35	28	38	25	23	24	35	37	39	48	51	61	54	47	49	55	58	44	62	57	60	47	56	32	27	35	41	43	43	43	42.4
Irvington	Maximum	55	58	68	68	60	55	62	72	70	71	75	75	70	76	74	75	71	68	67	70	68	75	75	68	48	40	44	45	42	42	43	63.2
	Minimum	39	41	42	44	32	31	34	50	51	50	61	60	60	60	60	62	63	59	49	58	57	57	58	48	32	30	35	39	35	37	..	47.7
Leitchfield	Maximum	57	57	65	67	63	54	62	69	70	73	74	74	71	73	73	78	77	73	69	64	73	66	71	73	70	50	40	43	46	46	46	63.7
	Minimum	37	37	35	41	31	28	32	46	46	45	53	58	59	58	57	58	59	61	58	49	60	56	55	50	32	31	34	40	41	39	..	46.5
Lexington	Maximum	50	51	65	60	56	48	55	68	68	68	69	70	65	74	72	78	73	65	66	70	65	77	75	73	52	43	43	43	43	43	43	62.3
	Minimum	40	41	37	46	38	33	36	47	52	49	54	56	58	61	56	60	60	59	55	52	61	57	59	57	51	32	28	33	27	40	39	47.2
Louisville	Maximum	55	55	67	64	61	52	62	72	70	71	74	76	72	76	76	76	73	68	67	73	68	76	76	73	50	45	45	45	45	45	45	64.1
	Minimum	49	48	42	44	37	37	35	50	55	54	56	62	57	57	62	63	60	56	51	61	57	58	56	50	36	33	30	33	35	41	41	44.6
St. John	Maximum	56	56	66	64	64	52	61	70	70	71	74	76	70	75	74	75	75	71	68	71	66	74	74	70	52	47	39	39	38	39	38	64.5
	Minimum	36	35	34	41	28	26	29	45	41	39	53	59	60	56	56	58	57	57	53	58	55	53	53	51	32	27	32	36	30	29	..	45.2
Shelbyville	Maximum	57	59	68	62	61	53	61	70	72	75	73	73	72	75	75	80	81	75	65	77	65	75	73	73	51	42	37	37	37	37	37	64.1
	Minimum	38	40	34	40	30	27	31	41	45	40	53	54	60	58	53	58	57	58	50	62	55	55	53	51	32	27	32	36	30	30	30	45.2
Taylorsville	Maximum	53	58	65	63	58	58	60	68	68	70	71	74	72	75	75	77	76	68	65	76	75	73	73	72	54	49	44	45	48	48	48	64.1
	Minimum	39	40	41	44	36	25	27	31	37	41	45	46	53	54	54	56	55	54	45	62	55	55	53	51	32	27	32	36	29	41	43	43.8
Williamstown	Maximum	53	59	67	66	60	53	60	71	74	73	78	78	74	84	80	72	80	75	70	68	71	76	76	71	58	38	38	45	45	47	48	68.7
	Minimum	41	48	38	39	31	28	28	44	48	47	52	56	55	54	56	58	53	57	49	57	50	51	50	55	32	24	31	33	28	38	..	44.9
Eastern Division.																																	
Ashland	Maximum	55	53	65	65	61	57	60	71	74	74	66	77	74	79	76	80	78	74	67	79	75	76	76	73	44	41	47	50	50	59	..	66.9
	Minimum	44	35	32	40	30	30	34	48	40	38	45	49	57	56	48	57	48	62	48	54	62	55	47	48	40	24	33	37	44	46	..	43.9
Beattyville	Maximum	52	52	66	66	60	53	64	70	74	73	74	75	72	80	74	77	76	72	67	73	70	74	77	67	51	47	46	47	48	49	50	65.8
	Minimum	41	34	36	44	25	25	22	44	36	32	44	43	61	54	43	49	45	52	45	56	47	53	56	46	32	33	36	38	40	40	42	43.9
Berea	Maximum	51	55	65	65	61	51	63	71	72	73	72	75	73	77	76	77	74	70	67	77	73	76	76	74	51	44	47	50	54	61	62	66.0
	Minimum	41	38	37	45	31	28	31	49	52	51	54	60	62	61	61	59	61	57	50	60	57	56	60	50	34	32	36	38	40	42	43	47.8
Carlisle	Maximum	55	56	66	66	61	58	65	74	76	74	68	77	78	80	..	81	78	76	68	78	73	76	76	74	51	44	42	44	47	48	49	67.7
	Minimum	42	33	26	37	28	22	22	33	35	30	41	44	55	..	42	44	58	48	33	59	51	43	78	73	57	58	57	58	59	43	42	43	100.7
Harlan	Maximum	52	56	55	68	62	55	62	65	70	70	70	73	75	76	75	77	74	71	71	78	73	78	73	78	73	67	58	57	58	59	65	69.8
	Minimum	41	35	33	35	28	27	29	33	33	38	40	42	47	45	45	45	43	48	53	63	47	48	42	41	37	36	37	39	40	40	40	40.3
Hazard	Maximum	53	55	65	63	60	52	60	70	78	78	67	74	70	76	71	78	78	73	64	73	70	74	76	73	52	49	50	52	55	62	64	65.1
	Minimum	40	34	32	36	28	26	25	34	41	40	51	53	57	56	51	53	56	59	51	58	60	52	49	50	35	35	33	37	43	41	..	43.6
Maysville	Maximum	49	54	62	66	62	54	62	69	69	67	70	71	73	74	73	73	71	72	67	73	69	76	78	76	67	49	52	52	55	62	..	64.6
	Minimum	39	38	40	46	33	29	29	38	39	39	51	53	58	57	53	54	53	54	45	62	55	55	53	51	32	28	32	36	36	36	51	44.0
Middlesboro	Maximum	49	53	60	66	63	51	58	63	69	67	70	71	73	74	73	71	72	67	73	69	76	75	73	73	72	54	49	44	45	48	48	..
	Minimum	40	30	28	36	23	23	19	28	30	28	29	36	47	45	42	38	40	39	45	53	45	53	45	36	37	41	21	26	14	26	32	..
Mount Sterling	Maximum	50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paris	Maximum	53	54	64	70	65	55	66	72	72	75	65	78	78	82	..	..	..	82	78	75	77	83	80	78	67	50	45	50	55	63	..	67.6
	Minimum	41	32	33	44	38	27	24	40	38	38	48	48	55	53	..	..	..	53	63	60	43	69	67	49	47	42	43	45	37	39	48	42.8
Quicksand	Maximum	55	56	61	70	65	54	64	71	73	73	73	77	75	80	79	79	79	80	75	65	80	72	80	79	77	71	49	46	52	55	63	68.6
	Minimum	41	39	39	41	33	27	24	32	32	34	38	56	49	53	49	53	44	56	57	48	54	51	47	41	33	34	28	28	30	32	50	43.1
Richmond	Maximum	48	56	55	65	62	60	58	65	65	68	70	70	72	70	74	72	76	75	74	75	76	77	76	74	55	51	55	54	58	60	60	66.7
	Minimum	41	40	38	45	36	33	30	47	50	50	54	54	60	57	56	58	56	56	55	58	56	57	54	55	34	28	31	31	34	40	40	46.5
Williamsburg	Maximum	64	65	69	70	68	65	73	75	80	79	77	80	80	80	80	79	79	80	75	65	80	72	80	79	77	71	49	46	52	55	63	73.6
	Minimum	41	40	43	44	43	40	25	35	40	35	29	30	30	30	40	39	32	44	54	55	45	50	40	35	40	25	20	24	27	29	26	38.8

§§ This station is not reporting; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
[illegible] days missing from record.

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
VOL. XXXVI LOUISVILLE, KY., DECEMBER, 1931 NO. 12

GENERAL SUMMARY.

With the exception of a few days on which temperatures fell slightly below freezing, unseasonably warm weather prevailed. Wheat, rye, and bluegrass grew most of the time, especially on the well drained and warm soils of the limestone uplands. The occasional light freezes checked this growth temporarily, but were not frequent enough to bring about a dormant condition. Under the stimulating influence of day temperatures frequently ranging from 50° to 70°, the growth of winter grains was so rapid and luxuriant that some early wheat reached the jointing stage and farmers had to resort to heavy pasturing with all available livestock to restrain it. The dark green and compact growth, covering the ground to a depth of several inches, lacked the usual stained tops due to winter cold and presented the appearance appropriate to late April. A few days early in the month and near the middle were cold enough for meat to be packed, but milder weather immediately following endangered its keeping qualities and the persistent warmth of the last two weeks caused much of it to spoil. The warm weather, as well as the large amount of extra pasturage afforded by the rank wheat and rye, favored milk production and reduced winter feeding to a minimum. Bulbous plants in many instances came up, some shrubs put out leaves and even bloomed occasionally, while fruit buds expanded as in early spring. This advanced condition of vegetation caused anxiety as to the probable effect of severe temperatures later on.

Rainfall considerably in excess of the average caused the largest run-off that had occurred since the drought of 1930 began. These rains occurred in moderate amounts, well distributed in time, so that the maximum absorption by the soil resulted. They were, therefore, highly beneficial in increasing the moisture content of the depleted subsoil, and in reaching the sources of springs and wells. The general dampness, fog, and warmth favored handling tobacco, but kept the leaf too soft much of the time.

TEMPERATURE.

The average temperature of 46.1°, obtained from reports of 41 stations, is the second highest of record for the month. Temperatures slightly below normal occurred on the first three days, and at some stations on the 7th and 8th, otherwise they were continuously above seasonal levels. From the 9th to the end of the month the daily excess ranged from 5° to 25°. The extremes were 73° at Williamsburg on the 13th, and 17° at Anchorage on the 2d, and at Mayfield on the 12th.

PRECIPITATION.

Reports from 84 stations gave an average precipitation of 5.48 inches, which is far above normal and the largest in any month for more than two years. In the southern counties amounts ranged from 7.0 to 8.0 inches. They decreased with marked regularity northward toward the Ohio and eastward toward the Big Sandy. In the counties bordering these streams amounts ranged from 3.0 to 4.0 inches. The lowest for the State was 2.04 at Ashland and 2.12 at Vanceburg. Showers occurred on the greater part of 28 days, and on 20 days in the latter half. There were only three days, the 1st, 2d, and 3d, on which no rain fell. These days were cold enough for freezing temperatures over much of the area, and the ground was frozen in the upper basin of the Green River, and in the north fork basin of the Kentucky River, and in the mountain district of the southeast. Snow fell on the 1st, 2d, and 3d, and on the 29th, 30th, and 31st, but was of little consequence except in the mountains.

PLEASURE AND WIND.

Stations	Atmospheric Pressure. Inches read to one-tenth. Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Average hourly velocity.	Prevailing direction.	Maximum velocity. Velocity.	Direction.	Date.
Cairo ..... Ill.	30.12	30.36	2	29.45	31	5,06	5.1	SE.	37	..	..
Cincinnati ..... Ohio	30.16	30.60	2	29.61	31	5,03	5.1	SE.	34	W.	4
Evansville ..... Ind.	30.14	30.45	2	29.54	31	5,03	5.1	SE.	847	..	..
Lexington ..... Ky.	30.18	30.69	2	29.64	31	5,14	5.2	SE.	48	..	..
Louisville ..... Ky.	30.17	30.69	2	29.57	31	5,17	5.2	SE.	46	..	4

*Or as they have been published. †By 2-hour averages for the 24 hours ending at 7 a. m.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total hours of sunshine.	No. of hours possible.	Percentage of possible.	Number of days with. 90 per cent or more.	30 per cent or less.
Cairo ..... Ill.	86	71	74	130.6	260.1	37	6	15
Cincinnati ..... Ohio	88	69	75	75.5	264.4	28	6	22
Evansville ..... Ind.	86	74	78	77.9	266.2	29	5	20
Lexington ..... Ky.	90	79	..	69.2	260.2	26	4	21
Louisville ..... Ky.	86	73	76	82.6	264.3	31	4	20

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature. Monthly average.	Departure from 26-year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 26-year normal.	Average Number of Days. No. of days with 0.01 or more.	Clear.	Partly Cloudy.	Cloudy.	Average snowfall.
Mean	37.5	.....	73	−22	4.63	.....	16	10	6	15	3.9
1921	39.2	+12.7	76	13	1.57	−2.97	..	..	..	..	..
1922	37.8	+ 0.3	70	12	3.31	−1.02	..	..	..	..	..
1923	42.1	+ 4.0	79	15	4.30	−0.06	..	..	..	..	..
1924	44.6	+ 6.5	74	3	4.56	+0.20	..	..	..	..	..
1925	39.4	+ 1.8	78	10	2.69	−1.67	..	..	..	..	..
1926	39.7	+ 1.2	78	11	4.31	−0.05	10	..	..	..	..
1927	39.8	+ 1.3	77	6	8.43	+3.95	9	7	9	15	..
1928	40.6	+ 2.1	73	5	1.82	−2.21	4	14	4	9	..
1929	38.0	+ 0.5	72	3	3.58	−0.45	13	5	7	18	2.5
1930	41.1	+ 3.4	76	−12	2.75	−1.28	8	11	4	16	2.5
1931	38.8	+ 2.7	73	15	3.93	−0.10	10	12	8	11	2.1
1932	38.6	+ 1.1	70	12	2.49	−1.44	8	8	6	17	1.1
1933	36.2	− 1.2	72	−2	4.55	+0.87	16	4	5	22	2.1
1934	36.7	− 0.7	74	0	7.35	+3.68	12	3	5	23	2.4
1935	37.3	− 0.1	68	0	2.32	−1.35	7	10	6	15	1.3
1936	36.1	− 1.1	73	− 2	4.20	−0.27	11	5	5	21	2.1
1937	37.4	− 0.2	66	11	4.38	−0.38	8	11	5	15	1.6
1938	39.0	+ 1.6	70	8	8.64	+3.60	15	6	4	21	1.6
1939	38.9	+ 1.0	70	8	3.29	−1.88	11	7	6	18	1.0
1940	38.8	+ 2.3	73	7	2.62	−1.91	9	11	6	14	1.4
1941	29.9	− 7.6	57	−14	3.46	−1.07	14	5	5	21	1.4
1942	34.1	− 6.4	66	− 3	3.37	−1.16	8	7	5	18	1.3
1943	40.6	+ 4.1	73	11	6.28	+1.75	12	6	5	20	1.3
1944	37.2	+ 0.7	73	8	3.08	−1.45	9	14	5	12	1.2
1945	39.5	+ 2.0	70	7	2.73	−1.80	9	13	5	13	1.1
1946	32.8	− 4.7	70	−16	2.22	−2.31	11	4	4	23	1.1
1947	37.0	− 0.5	69	5	3.76	−0.77	12	5	4	21	1.1
1948	36.5	− 0.9	74	− 1	3.53	−1.00	10	7	5	19	1.0
1949	36.5	− 1.0	72	−21	3.44	−1.09	9	10	5	16	0.9
1950	37.5	− 0.3	73	5	3.44	−1.09	9	7	5	18	0.9
1951	38.6	+ 1.1	73	8	3.53	−1.00	9	6	5	19	0.9
1952	39.7	+ 2.2	73	8	3.40	−1.13	9	6	5	19	0.9
1953	41.2	+ 3.7	73	8	3.40	−1.13	9	6	5	19	0.9
1954	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1955	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1956	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1957	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1958	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1959	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1960	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1961	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1962	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1963	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1964	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1965	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1966	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1967	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1968	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1969	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9
1970	37.5	− 0.1	73	8	3.40	−1.13	9	6	5	19	0.9

Climatological Data for December, 1931.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	27	46.8	+9.7	70	11	23	7	31	4.95	+1.20	1.90	0	12	9	7	15	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	27	47.6	+9.4	71	11	25	2	24	5.28	+1.03	1.46	0	16	4	8	19	nw.	W. A. Taylor.
Earlington	Hopkins	420	41	47.4	+8.8	70	11	23	15	25	5.91	+1.93	2.05	0	14	8	3	20	s.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	2	.....	.....	.....	.....	.....	.....	.....	4.59	.....	1.70	0	10	.....	.....	.....	.....	W. D. Hatcher.
Greenville	Muhlenburg	519	14	46.6	+7.9	69	11	22	15	27	5.79	+1.51	2.25	0	12	9	13	9	e.	C. R. Lovell.
Henderson	Henderson	382	17	46.6	.....	74	11	24	2†	27	6.78	+1.66	1.57	0	16	13	5	13	w.	Richard Stites
Hopkinsville	Christian	624	35	48.2	+9.7	69	11	24	15	29	7.50	+2.72	3.32	0	19	2	4	25	se.	W. E. Graves.
Lovelaceville	Ballard	.....	2	48 0	.....	73	11	21	15	38	4.90	.....	2.00	0	7	16	6	15	s.	Blaine Malone.
Marion	Crittenden	571	33	47 8	+9.5	71	13	24	15	32	4.00	−0.01	1.63	0	10	7	9	15	e.	B. C. Paris
Mayfield	Graves	364	22	48.7	+8.7	73‡	12	25*	15	31*	7.06	+2.78	2.70	0	9	6	10	15	s.	Harry B. Arnold
Murray	Calloway	412	5	47.2	.....	70	11	21	15	33	7.75	.....	2.75	0	10	10	4	17	s.	Henry S. Berry.
Owensboro	Daviess	479	34	45.6	+8.6	72	11	23	15	33	3.73	−0.07	1.08	0	11	.....	.....	.....	.....	George McGlemary.
Owensboro, Dam 48		404	8	.....	.....	.....	.....	.....	.....	.....	3.77	.....	1.13	0	10	11	5	15	ne.	J. W. Lilley
Paducah, near§	McCracken	516	14	46.2	+6.9	68	11	20	15	30	5.21	+0.87	1.40	0	10	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	42	.....	.....	.....	.....	.....	.....	.....	3.89	+0.03	1.80	0	8	.....	.....	.....	.....	Dr. W. L. Cash.
Princeton	Caldwell	529	24	47.2	+8.8	70	11	23	15	24	5.16	+0.78	1.65	0	15	8	5	18	s.	Thos. L. Wetzell.
Ramsey, Lock 2	McLean	384	14	.....	.....	.....	.....	.....	.....	.....	4.87	+1.03	1.50	0	10	.....	.....	.....	.....	Wm. Shelton.
Russellville	Logan	590	20	46.6	+7.6	66	11	24	2†	27	5.6	+1.56	2.30	0	12	7	1	23	s.	Earl Holder.
Uniontown, Dam 49	Union	357	3	.....	.....	.....	.....	.....	.....	.....	3.78	.....	1.27	0	9	.....	.....	.....	.....	
Central Division.																				
Addison, Dam 45	Breckinridge	352	3	.....	.....	.....	.....	.....	.....	.....	5.07	.....	1.34	0	14	.....	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	700	30	42.9	+8.5	68	11	17	2	30	4.09	+0.17	0.74	0	14	8	3	20	e.	C. E. Barret.
Bardstown	Nelson	657	34	46.3	+9.5	69	11	20	2	27	6.79	+2.47	2.25	0	13	12	5	14	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	42	45.2	+9.7	69	11	26	2	24	7.94	+3.40	2.10	0	20	8	9	14	w.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	469	6	.....	.....	.....	.....	.....	.....	.....	7.02	.....	2 62	0	12	.....	.....	.....	.....	T. Rone
Brownsville, Lock 6	Edmonson	410	14	.....	.....	.....	.....	.....	.....	.....	6 86	−1.89	3.26	0	12	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	40	.....	.....	.....	.....	.....	.....	.....	8.12	+3.58	2.03	0	14	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	32	.....	.....	.....	.....	.....	.....	.....	4.03	+0.79	0 91	0	9	.....	.....	.....	.....	Shelby Angel.
Cold Springs Dam 36	Campbell	489	5	.....	.....	.....	.....	.....	.....	.....	4.19	.....	1.04	0	14	.....	.....	.....	.....	Reuben Hartley.
Ice Dam, Burgin	Mercer	770	7	47.2	.....	69	11	24	2	26	6.15	.....	1.67	0	16	10	8	18	sw.	C. W. Williams.
Eubank	Pulaski	1177	37	46.3	+9.9	66	20†	21	7†	28	6.96	+3.09	1.65	0	11	5	3	23	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	39	45 5	+8.3	69	11	20	2	33	3.87	+0.17	1.65	0	13	7	3	21	w.	Sidney Wood.
Franklin	Simpson	660	36	46.4	+6.2	68	11	26	15	24	6.41	+1.89	1.65	0	15	8	9	14	s.	M. E. Johnson.
Gest, Lock 3	Henry	449	20	.....	.....	.....	.....	.....	.....	.....	4.40	+0.40	1.42	0	18	.....	.....	.....	.....	Louis Shiddell.
Grant, Dam 38	Boone	780	6	.....	.....	.....	.....	.....	.....	.....	3.41	.....	1.15	0	11	.....	.....	.....	.....	H. W. Sprague.
Greensburg	Green	581	38	47.2	+10.9	69	11	22	2†	28	7 86	+3.52	1.78	0	20	4	1	26	e.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	29	.....	.....	.....	.....	.....	.....	.....	5 67	+1.18	2.10	0	10	.....	.....	.....	.....	Miss Ruby L. Simpson.
Irvington	Breckinridge	646	33	45.4	+9.7	70	11	26	2	23	4.93	+0.99	1.41	0	16	5	5	21	sw.	W. J. Piggott.
Lancaster	Garrard	1032	5	.....	.....	.....	.....	.....	.....	.....	7.00	.....	1 92	0	14	.....	.....	.....	.....	John Anderson.
Letcher[6]	Garrard	1032	5	.....	.....	.....	.....	.....	.....	.....	6.52	−1.69	2.50	0	16	5	8	18	e.	H. H. Willis.
Litteefield	Grayson	605	35	43.8	+9.2	67	11	25	2†	26	5 84	+2.07	2.45	0	19	4	4	23	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	47	44.4	+8.6	66	11	25	2	25	6.21	+2 50	1.93	0	10	.....	.....	.....	.....	Horace Mulder.
Little Hickman, Locks[8]	Jessamine	523	20	.....	.....	.....	.....	.....	.....	.....	5 22	+1.80	1.40	0	11	.....	.....	.....	.....	Frank Litch.
Lockport, Lock 2	Henry	476	21	.....	.....	.....	.....	.....	.....	.....	3.90	+0.25	1.02	0	13	5	4	22	s.	U. S. Weather Bureau.
Louisville	Jefferson	525	58	45.1	+7.5	69	11	28	2	23	7.48	.....	3.15	0	13	.....	.....	.....	.....	A. G. Hubbard.
Munfordville	Hart	690	8	.....	.....	.....	.....	.....	.....	.....	5.40	+0.85	1.83	0	13	11	10	10	.....	Sisters of Loretto.
St. John	Hardin	777	35	44.5	+10.1	67	11	23	15	25	3.01	−1.07	0.82	0	8	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 5	Mercer	490	17	.....	.....	.....	.....	.....	.....	.....	5.30	+1.26	1.28	0	19	5	6	26	s.	Miss Ruth Ratta.
Shelbyville	Shelby	825	42	44.0	+8.6	66	11†	22	2	29	5.74	+1.34	1.93	0	18	6	4	21	sw.	E. D. Bourne.
Taylorsville	Spencer	489	25	45.3	+10.1	to	11	20	2	30	6.08	+1.65	2.30	0	11	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5	Anderson	526	13	.....	.....	.....	.....	.....	.....	.....	5.13	+1.62	1.35	0	16	5	9	17	w.	Miss Nettie B. Simpson.
Wilmington	Grant	814	26	43.5	+10.0	66	11†	19	2	27	6.62	+2 29	3 37	0	13	.....	.....	.....	.....	H. J. Lewis.
Woodbury, Lock 4	Butler	543	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Eastern Division.																				
Annville	Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.11	.....	1.82	0	17	4	8	19	sw.	W. A. Worthington.
Ashland	Boyd	551	14	45 5	+6.3	72	11	23	21	29	2 94	0 28	0 98	0	12	8	0	23	w.	Jacob Armbruster.
Beattyville	Lee	660	27	45.2	+9.5	68	11†	20	16	33	4 58	+0.95	1.41	0	17	4	3	24	w.	Robert S. Smallwood.
Berea	Madison	1070	26	46.1	+9.8	69	11	24	2	24	5 72	+1.22	1.09	0	16	7	2	22	sw.	Jas. C. Graham.
Berea	Madison	1070	26	.....	.....	.....	.....	.....	.....	.....	5.52	+1.32	1 48	0	11	.....	.....	.....	.....	Kelly Walden
College Hill, Lock 11	Madison	601	21	.....	.....	.....	.....	.....	.....	.....	4.65	+0 48	1.40	0	12	.....	.....	.....	.....	P. H. Rebor.
Cynthiana	Harrison	684	13	.....	.....	.....	.....	.....	.....	.....	4 74	+1 34	1 48	0	16	.....	.....	.....	.....	J. V. Oldham.
Falmouth	Pendleton	600	42	.....	.....	.....	.....	.....	.....	.....	5.23	+1.04	1 31	0	12	7	1	23	e.	Mrs. R. F. Stamper.
Farmers	Rowan	668	23	45.2	+9 2	70	11†	18	2	31	5.47	.....	1.75	0	8	.....	.....	.....	.....	C. A. Glasscock
Flemingsburg	Fleming	841	6	.....	.....	.....	.....	.....	.....	.....	5.99	+1.34	1 43	0	14	.....	.....	.....	.....	John A. Walters.
Ford, Lock 10	Clark	593	15	.....	.....	.....	.....	.....	.....	.....	4.75	.....	1.15	0	9	.....	.....	.....	.....	Col. Frank Powers.
Grayson	Carter	589	6	.....	.....	.....	.....	.....	.....	.....	3 95	+0 29	1.18	0	16	.....	.....	.....	.....	T. Mitchell.
Greenup, Dam 30	Greenup	540	11	.....	.....	.....	.....	.....	.....	.....	7.05	.....	1.90	0	17	8	4	19	sw.	W. W. Duffield.
Harlan	Harlan	1197	3	49.1	.....	72	12	25	16†	40	7 14	.....	2.40	0	17	.....	.....	.....	.....	Chas. O. Berg.
Sacred	Perry	869	7	.....	.....	.....	.....	.....	.....	.....	3.31	−1.39	1.42	0	13	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	664	14	.....	.....	.....	.....	.....	.....	.....	5.42	.....	1.59	0	12	.....	.....	.....	.....	R. R. Davidson.
Jenkins	Letcher	1566	6	.....	.....	.....	.....	.....	.....	.....	3.95	+0.43	0.98	0	15	.....	.....	.....	.....	Russian Copley.
Louisa	Lawrence	584	27	.....	.....	.....	.....	.....	.....	.....	7.50	+3.37	2.65	0	13	.....	.....	.....	.....	Jeanett H. White.
Manchester	Clay	.....	11	.....	.....	.....	.....	.....	.....	.....	4.85	+1.04	1.24	0	13	8	0	28	sw.	Perry E. Bennett.
Maysville	Mason	523	24	44 8	+10.2	69	11	21	2	31	6.40	+1.71	1 23	0	16	0	23	s	.....	Matthew Woodson
Middlesboro	Bell	1198	35	45 1	+6.7	70‡	12	21*	16	29*	5.97	+1.66	1.26	0	12	14	0	17	w.	W. R. McKee.
Mount Sterling	Montgomery	930	11	42 0	+6.6	67	11	17	2	29	4 15	+0.52	1.11	0	14	.....	.....	.....	.....	Otto Riddle.
Oneida, Dam 24	Campbell	497	9	.....	.....	.....	.....	.....	.....	.....	6.68	+2.90	2 55	0	12	.....	.....	.....	.....	Robert Lepies[8]
Oneida	Pike	646	25	.....	.....	.....	.....	.....	.....	.....	7 41	.....	2 90	0	15	9	4	18	.....	F. W. Summerfield.
Pippa Pass	Knott	1093	.....	47.8	.....	68	14†	23	2†	36	4.81	.....	1.14	0	15	.....	.....	.....	.....	T. C. Hall.
Pound Gap	Floyd	649	6	.....	.....	.....	.....	.....	.....	.....	6.32	.....	1.36	0	10	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breath itt	732	5	46 3	.....	71	11	20	2	34	3 60	+0.02	1 10	0	11	.....	.....	.....	.....	Walter P. Bush.
Rabbit Hash, Lock 12	Boone	651	13	.....	.....	.....	.....	.....	.....	.....	6 20	+2 27	2 00	0	13	5	0	26	.....	J. W. Crooke.
Richmond	Madison	936	46	45.0	+7.1	70	12	24	2	26	6.68	+2 31	1 50	0	12	.....	.....	.....	.....	Thos. Sullivan.
Ruddles Mills, Lock 9	Madison	841	18	.....	.....	.....	.....	.....	.....	.....	4.75	+1.35	1 75	0	14	.....	.....	.....	.....	H. M. Fenton.
Stanford, Dam 32	Lincoln	925	16	.....	.....	.....	.....	.....	.....	.....	4 76	.....	1 29	0	10	.....	.....	.....	.....	C. H. Zimmerman.
Tompkinsville	Monroe	1142	8	.....	.....	.....	.....	.....	.....	.....	6 23	+2 96	1 04	0	15	9	5	17	.....	H. F. Davis.
Wheelwright	Whitley	980	31	.....	.....	73	13	.....	.....	.....	4 85	+0.11	1 48	0	7	.....	.....	.....	.....	Jessie Hicks.
Willow, Lock 13	Lee	661	12	.....	.....	.....	.....	.....	.....	.....	5.48	+1.45	3.87	0	13	7	5	19	s.	
State averages and [illegible] stations				46.1	+8.6	73	11†	17	2†	40										

All temperature data are taken from self-registering thermometers.

Top departures from normal [illegible] and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are [illegible] to determine section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River [illegible] reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, † represents two days, etc.

§Lone Oak.

T Precipitation is less than 0.01 inch rain or melted snow.

* Also on other dates. ** Received too late to be included in means and summaries.

¶Post-office addresses: 1 Lock 5, Lawrenceburg, Ky.; 2 Lock 6, Versailles, Ky.; 3 Locks 3, Nicholasville, Ky.; 4 Lock 10, Red House, Ky.; 5 Scott, Independence, Ky.

Daily Precipitation for December, 1931.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G			.10	.30				.35	.20		.05		1.90	.10				.05			.40	.15								.80	.25	4
Calhoun	G			.02	.35				.22	.24		.76	T.	1.46	.63				T.	.16	.02	.49	.12	.02	.03				.12	T.	.44		5
Carlington	G			.05	.30				.40	.15	.01	.02	.05	2.05					.01	.03		1.05	.06								1.60		5
Fords Ferry, Dam 50	O			.10	.41				T.	.31	T.	.40	T.	.91	.26					T.	T.	.04	.12							T.	3.14		5
Greenville	G			.60	.56				.48	.25		.02	.03	2.25					T.			.50	.22							.03	.57	.15	5
Henderson	O			.15		.45			.01	.30		.08		.80						.04	.03		.20	.29		.10				T.	.03	1.74	5
Jamestown	G			.22	.50				.41	.26		.17	.18	3.32	.01			.01	.04	.02	.05	.47	.13	.01	.50				.01		.06		5
Love ngville	M		.25						.48			.37		1.40	.10							.55											5
Marion	O				.35				.13	.10		.15		1.15	.16					.10		.23									2.00	4.00	5
Murray	T			.20	.23				T.	.48	T.	.32	.74	2.7				T.	T.	T.	T.	T.	T.								2.45	7.06	5
Owensboro, Dam 46	O		T.	T.	.56				.10	.22	T.	.24		.05	.05					T.		.43							1.20	.46	2.76	5
Paducah (near ¶	O	.10		.07	.32					.26	.03	.41	.01	.95	.02				T.	.01			.40	T.				.05	T.	1.15		5
Paducah	O			T.	.22				.22	.15		.18		1.40	.16													.02	T.	1.10	3.77	5
Princeton	G			.15	.27					.22		.35		1.30	T.							.05	.09						1.02		2.21	5
Ramsey, Lock No. 2	G			T.	.36				.36			.48	.48	1.03	.06			T.	.01	.04	.02	.3	.05	T.	.06						1.81	4.80	5
Russellville	G				.36					.41	T.	.67		1.58							.04	.03									3.00	5.16	5
Smithtown, Dam 49	O			.02	.38					.23	T.	.25		.85	.07				T.		T.	.10									1.05	5.61	5
Central Division																																
Addison, Dam 45	O	T.			.41	T.				.36	.06	.79	.02	1.34	.10				.03	.05	.01		.89		T.	.04					3.53	5.67
Bardstown	O			.05					.33	.31	T.	.74	.53	.78	.02					.02	.01	.57	.25	T.								4.09	5
Bowling Green	G			.23	.58				.30	.03			.50	2.25	.10					.08		.05	.55									6.79	5
Bowling Green, No. 2	G			.20	.48				.35	.05	.02	.18	1.10	2.10	.45			.05	.16	.05	.03	.05	.60	.05	.50							7.04	5
Brownsville, Lock No. 6	G			T.	.61					.62	T.		.58	2.02	.55				.05			.22	.96									5.99	5
Brasslet	C	.05		T.	.58	T.				.12	.02		1.33	2.26	.38				.06	.04	.21		.87									5.02	5
Carrollton (Lock No. 1)	K				.34					1.31	T.	2.43		3.60	1.22				.16	.07	.12		1.15		.38	.14						6.66	5
Cold Spring, Dam 36	G				.28	T.				.44		.64		.84	.04							.33	.94									3.12	5
Dix Dam, Burgin	K			.27						.40	.05	.75	.45	.56	.14	T.				.04		.68	1.44		.92	.03						4.03	5
Elkhank	C				.46					1.63	.09	.02		1.67	.02				.04	.02	.08	.03	1.67	T.	.47	.04			.21				4.19	5
Frankfort	K				.20	T.					.04	.32	.10	1.45	.25				T.	.02	.05	.03	.78	T.	.80					.03		.10	3.87	5
Frankfort	G			.26	.37				.88	.42		.08	.68	1.65	.09			.09	.02		.02	.47		.70							.21	6.41	5
Frankfort, Dam 31	O				.26	.01				.52	.06	.58	.18	1.42	.20	.02			.01	.02	.01	.04	.87		.60	.01						4.98	5
Greensburg	G				.25					.43	T.	.70	.05	.42	.03					.04		T.	1.15		.27	T.						4.10	5
Hough Bridge, Lock No. 7	K			.22	.88				.36	1.15	.02	.02	1.16	1.78	.38				.05	.02	.05	.16	.50	.96	.01	.03	.03				.03	8.41	5
Huntington	O				.20					1.16	.03			2.10	.60					.03					.40							5.86	5
Lancaster	K			.21	.26				.18	.28	T.	.58	.05	1.41	.05					.02	.10		.44	.15		.04					.12	5.07	5
Litchfield	G			.18	.01				1.80	.04		.04	1.92	.60				.01	.01		.02	1.52									4.33	5
Lexington ***	K			.25	.40				.30	.53	.05	.05	.30	2.50	.10				T.	.05		.71	.35	T.	.15					.12	.45	7.00	5
Little Hickman, Lock No. 8	K			.10	.18				.68	.38	.01	.04	1.12	1.53	.17				.01	.05	.06	.48	.36	T.	.48					.50	.06	6.52	5
Lockport, Lock No. 2	K				.40					1.40	T.		.05	1.93	.50				T.	.05		.07	1.10		.35					T.	.01	.67	5.84	5
Nursery ***	O			.25					.49	T.	.45	.55	1.40	.22								1.20		.22								6.21	5
Sanfordville	G			.05	.20				.27	.17	.05	.52	.30	.67	T.				T.	T.		.87	.08		T.					.20	.11	5.22	5
St. John	S				.52					1.15			.06	3.15	.65				.04	.10	.10	T.	1.05		.48	.03				.64	.35	.21	8.99	5
Sylvia, Lock No 6	K	T.		.18	.85				.76	.05		.10	.17	1.83					.13	.08		1.01									.31	5.48	5
Talbotville	S				.35					.10	T.		.68				T.	T.		.22	.82		.35								.20	.40	.14	5.40	5
Taylorsville	K			.08	.20	.24			.03	.50	.01	.72	.06	1.58	.20				.02	.04	.04	.58	.58		.05						.16	.16	3.01	5
Tarrone, Lock No. 5	K			.12	.31				.06	.50	.01	.42	.07	1.38	.17				.04	T.		.78	.58	.01	.15					.04	.02	.27	.14	5.74	5
Williamstown	K			.48					.97	.02			2.30	.55					.05	.26		.65			.60						.10	.76	6.08	5
Woodbury, Lock No. 4	G			T.	.68					.63	.03	.67	.23	1.85	.20				.03	.09		.51	.45		.40					.15	.07	.05	5.13	5
Eastern Division										.88	.01		.07	3.37	.15				.05	.03	.10		.62		.19					.02		.42	6.62	
Danville	C	.01			.41	.02				1.38	.08		1.52	.58	.08				.09	.04	.05		.71	.12	.27	.17				.17		.15	7.11	
Ghent	O				.18	.01				.98	.06			.90	.75					.03	T.		.20		.10	.06				.05		.10	2.94	
Grayville	K	.01			.22	.02				1.41	.04	T.	.31	.06	.04	.01			.01	T.	.03	T.	.55	.16	.18	.08				.05		.15	4.88	
Hebe Hill, Lock No. 11	K	T.		.12	.32				.38	1.09	.03		.23	.50	.25			.05	.08	.02		.32	.78		.48					.07		.14	5.72	
Hebbardsville	L				.40	T.				1.18	T.	T.		.68	1.18	.02				T.	T.	.03	.60	.08	.40					.05		.10	5.52	
Kinmouth	L				.16					.85	.03	.32		.64	1.45	.71			T.	.02		.74	.85		.14							.12	4.67	
Somers	L				.14	.01				.54	.02	.41	.11	1.46	.15				.01	.04	T.	.65	1.15		.30	.15				.10		.07	4.74	
Spottsburg	L				.14					1.81			.15	1.43	1.15					.01		.12	.51		.28	.07				.18		.10	5.23	
Ford, Lock No. 10	K				.38	T.				1.66	.03	T.	.13	.20	1.15				.01	.01	.02	.04	.81	T.	.30	T.				.20		.03	5.77	
Stanton	O				.21					1.33				.51								.61	.42								.08	5.92	
Stump, Dam 30	O	T.			.16	.04				.15				.54						.03		.03	.31	.17							.08	3.25	
Sylvan	C	.17			.46					.95	.06	T.	.25	.31	1.18	.01				.01	T.		.27	.17	.23	.08				.10	.03	.40	3.83	
Tompkinsville	K	.60			.18	.02				.88	.10		.30	.26	1.90				.02	.21	.05	.06	.75		.24	.27				.10		.07	5.65	
Tradelsburg, Lock No. 11	K				.22	.01				.91	.04		2.40	.10	1.15	.10			.10	.02	.07		.77	.10	.64					.18		.05	7.65	
Tunnel Hill	K				.11	.10				1.42	.17		.95	.12	T.				.02			.50	.14	.15	.03					.16		.15	5.73	
Tunisa	K				.11	.10				1.11	.05	.05		.50								.68		.35	.10					.10		.15	2.81	
Winchester	K	.04			.26	.07				.98	.10		.07	.84	.55				T.	.03	.04	.10	.40		.19							.08	5.42	
Worsville	K				.29	.04							2.05	.5	1.06				.15	.08	.11		.81		.69					.26		.47	5.43	
Yellowboro	C	T.			.15	T.				.79	.02	.06	.69	.75	1.24					.06	T.	T.	.87		.21	.01				.04		.27	7.20	
Mount Sterling	L		.08	.21		.33				.70	.70	.78		1.27	.46				.10	.14		.03	.25	.52							.01	.47	7.57	
Yosemite Dam 35	O			.96					.80	.50	T.	.11	.40	1.26	.60						T.	.21	.55	.98							.08	6.44	
Zeville	B	.10			.28	T.				.35	.05	.43	.16	.74	.42				.01	T.	.02	1.14		.36	.20	T.				.06		.01	5.57	
Zionpass	K				.17	.08				1.10	T.		2.55	.69	.85	T.				T.		.60		.15	.28					.06		.01	4.17	
Zionsburg	B				.20				.80	.85		.05	2.90		1.20			.01	.04	.01	.05	.10	.20		.50					.20		.10	6.28	
Zoneton	K	.13			.05					1.34	.05		1.06	.24	.75	T.			T.	.12	.15	T.	.51	.10	.02	.32				.20		.32	7.41	
Zumma, Lock No. 12	K	T.			1.05					1.36		.03	.90		.75					T.	.12	.15	T.	.51	.10	.02	.32				.08		.31	4.81	
Zymond	K				.16	T.				1.10	T.		.07	.54	.95				T.	.05	.05		.47	T.	.16	.12				.1		.15		6.82	
Zoar View, Lock No. 9	K				.46					1.50	.05		.15	2.00	.50				.03	.02	.03	.02	.90		.10					T.		.08	3.09	
Zoarburg, Dam No. 32	O			.40	.40				1.28	.26		.15	1.50	.75				.01	.03			1.17		.50					.18		.15	6.20	
Zoarsburg	K				.05	.01				.84	.05	.04	.65	.47	1.55					.18				.60		.41	.23			.10		.03	6.58	
Zollinsharp	C	.05	T.	.12	.18					.70			.57	.05	1.20	.02		.02	.04	.10	.23	.06	.26		.54					.09		.13	4.97	
Zolow, Lock No. 13	K			.20	.40					1.04	.05		.12	.09	.70				.20			.10	.00		.55	.37				.75		.26	6.23	
										.20	1.45		.50	.50	1.40	.25														.25			4.75	

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

¶ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

‡ Lone Oak

MISCELLANEOUS.

Rivers.—The rains of the 12th and 13th caused good rises in all streams of the State, including the Ohio. The Kentucky reached a crest of 25.8 feet at Beattyville on the 13th. The Ohio approached flood stage in the section from Dam 47 to Dam 50, and lacked but a few inches at Evansville.

Daily Temperatures for December, 1931.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	44	30	46	47	48	52	51	38	48	55	70	69	65	64	51	45	55	56	61	66	64	61	66	65	56	54	55	56	56	53	60	55.2
	Minimum	35	24	27	41	33	26	23	28	35	32	50	48	56	48	37	24	24	34	46	53	54	55	44	43	55	39	28	32	33	35	49	38.5
Calhoun	Maximum	44	49	45	46	46	48	51	45	47	53	71	70	65	55	49	47	56	54	60	64	62	57	67	67	57	57	52	56	54	54	56	54.8
	Minimum	37	25	32	43	38	32	28	33	35	48	49	46	55	37	26	28	36	45	54	53	57	61	63	56	68	67	48	51	55	55	58	54.4
Earlington	Maximum	45	47	45	47	50	50	49	41	46	55	70	68	65	61	48	44	53	55	57	61	63	56	68	67	48	51	55	55	55	55	57	55.4
	Minimum	42	40	44	47	49	52	50	45	47	54	69	67	64	57	50	44	53	55	60	62	62	57	65	68	53	52	57	53	56	55	57	54.8
Greenville	Maximum	44	47	45	47	49	52	50	45	47	54	69	67	64	57	50	44	53	55	57	61	63	56	68	67	48	51	55	55	55	55	57	55.4
	Minimum	42	40	44	47	49	52	50	45	47	54	69	67	64	57	50	44	53	55	60	62	62	57	65	68	53	52	57	53	56	55	57	54.8
Henderson	Maximum	35	23	32	41	35	26	23	33	35	42	49	46	55	35	22	24	35	45	53	53	55	44	45	45	53	40	32	49	55	53	53	54.5
	Minimum	49	47	57	45	49	48	51	47	46	54	74	66	61	53	49	45	61	55	60	59	61	59	67	60	52	49	55	53	53	53	55	54.5
Hopkinsville	Maximum	32	24	42	35	30	32	30	32	36	49	45	42	63	35	24	29	34	42	52	47	54	47	46	50	40	36	33	36	43	52	48	48.6
	Minimum	45	62	46	48	54	52	51	44	47	54	69	67	65	62	50	44	50	56	61	64	63	57	68	65	57	55	56	55	57	56	54	55.9
Lovelaceville	Maximum	37	26	36	40	27	28	25	36	38	43	50	49	57	36	24	27	30	45	55	55	55	45	48	50	40	33	36	36	35	48	48	40.6
	Minimum	48	49	48	51	52	52	51	48	46	54	73	71	62	54	49	47	58	57	57	62	64	58	70	69	60	60	54	58	56	55	61	56.7
Marion	Maximum	38	27	37	26	28	27	23	37	37	43	52	45	58	35	21	28	28	43	53	51	54	44	52	52	39	34	28	37	30	34	53	39.3
	Minimum	52	57	60	46	54	51	57	53	48	58	66	67	71	54	47	47	51	54	58	59	62	59	68	62	48	50	55	55	55	54	60	56.1
Mayfield	Maximum	36	26	33	33	35	36	30	34	35	42	50	45	52	31	24	32	37	46	53	52	56	46	55	50	41	31	38	36	34	32	39	39.4
	Minimum	50	50	53	50	53	58	58	50	51	60	71	70	73	63	62	49	49	62	60	60	62	66	68	70	69	59	50	...	59	64	...	62	57.8
Maxfield	Maximum	36	26	35	36	30	32	30	32	36	49	45	42	63	35	24	29	34	42	52	47	54	47	46	50	40	36	33	36	43	52	48	48.6
	Minimum	45	62	46	48	54	52	51	44	47	54	69	67	65	62	50	44	50	56	61	64	63	57	68	65	57	55	56	55	57	56	54	55.9
Murray	Maximum	46	30	46	48	48	52	51	43	46	55	70	66	65	55	50	46	51	61	62	63	63	61	63	65	58	55	58	56	53	57	61	56.1
	Minimum	48	50	45	50	53	58	51	43	46	55	70	66	65	55	50	46	51	61	62	63	63	61	63	65	58	55	58	56	53	57	61	56.1
Owensboro	Maximum	33	26	37	36	28	26	23	36	39	43	53	50	51	33	23	25	32	41	50	46	51	42	45	52	43	32	26	32	31	30	47	38.3
	Minimum	41	48	44	41	42	45	47	48	46	54	72	66	63	64	56	51	57	56	61	62	66	57	66	62	48	49	54	49	55	50	57	54.0
Paducah (near)	Maximum	34	25	36	38	35	37	25	31	33	40	42	44	51	34	23	25	32	41	50	46	51	45	44	46	35	30	36	33	34	41	43	37.2
	Minimum	44	50	45	45	47	47	47	45	46	55	68	67	56	52	48	46	56	60	59	55	57	50	63	60	47	50	58	55	62	58	59	54.2
Princeton	Maximum	39	26	32	38	38	31	27	37	35	35	56	42	51	31	20	29	42	42	57	49	53	51	57	44	42	32	29	38	35	36	52	39.8
	Minimum	42	44	46	46	49	50	49	41	46	54	70	60	64	54	45	46	52	57	60	63	62	58	65	60	46	49	54	53	55	57	60	54.1
Russellville	Maximum	42	44	46	46	50	49	48	46	47	54	66	63	64	58	45	49	50	56	61	64	66	60	66	65	56	54	56	56	57	56	58	56.2
	Minimum	37	24	24	41	38	29	25	34	31	43	41	53	56	37	24	25	33	48	49	55	55	44	45	57	39	31	34	35	32	37	49	39.0
Central Division.																																	
Auburndale	Maximum	40	45	44	45	41	46	49	40	43	49	68	60	63	57	47	43	56	53	60	56	62	54	62	64	54	44	54	45	46	46	54	51.4
	Minimum	24	17	25	28	31	26	31	27	33	41	48	45	58	35	21	22	26	32	52	46	45	38	44	45	33	23	28	32	29	38	42	34.6
Bardstown	Maximum	43	47	45	48	43	49	50	49	48	54	69	68	64	62	49	50	55	63	63	65	61	63	65	68	53	48	55	52	49	58	60	54.7
	Minimum	39	20	27	46	38	26	23	29	34	43	47	49	54	38	24	30	30	42	55	65	64	63	68	64	62	58	52	51	55	58	59	50.5
Bowling Green	Maximum	43	50	43	48	48	50	52	50	48	54	69	64	65	62	54	55	48	55	65	63	63	62	64	66	57	46	54	53	47	51	61	54.6
	Minimum	37	26	31	42	38	28	28	32	38	43	48	48	55	37	27	27	37	47	45	57	58	47	46	58	40	30	32	40	43	42	49	40.9
Ivy Dam	Maximum	43	46	47	50	44	52	50	44	50	53	69	66	65	62	54	46	52	55	63	64	66	62	64	66	57	48	54	53	47	51	61	54.6
	Minimum	38	24	29	42	38	31	30	36	34	43	46	53	56	40	28	26	32	45	51	52	49	50	42	57	40	28	29	45	37	39	61	41.9
Kuttawa	Maximum	48	50	42	50	42	50	49	39	50	52	69	64	64	63	50	44	48	54	64	66	66	60	65	67	51	52	50	57	60	61	54.1
	Minimum	32	34	24	41	36	25	21	36	34	42	49	54	54	41	31	21	34	44	54	55	52	49	40	50	37	25	27	41	31	45	44	38.5
Madisonville	Maximum	46	47	41	46	44	49	50	49	48	54	69	68	65	63	50	44	51	57	62	62	63	62	65	64	57	44	54	52	49	49	60	51.2
	Minimum	32	34	24	41	36	25	21	36	34	42	49	54	54	41	31	21	34	44	54	55	52	49	40	50	37	25	27	41	31	45	44	38.5
Frankfort	Maximum	45	45	41	46	44	49	50	49	50	54	69	68	65	63	50	44	57	52	62	62	63	62	65	64	57	44	54	52	49	49	60	51.2
	Minimum	33	27	32	42	38	29	27	33	34	43	51	55	60	38	26	27	40	46	56	55	45	45	48	58	50	36	26	26	37	31	35	44
Georgetown	Maximum	41	46	44	45	46	48	50	49	48	54	69	68	65	63	50	44	57	52	62	62	63	62	65	64	57	44	54	52	49	49	60	51.2
	Minimum	33	27	32	42	38	29	27	33	34	43	51	55	60	38	26	27	40	46	56	55	45	45	48	58	50	36	26	26	37	31	35	44
Greensburg	Maximum	43	48	45	50	48	50	51	43	51	58	69	65	66	64	47	44	50	56	63	64	64	60	66	67	51	50	55	53	51	53	61	55.1
	Minimum	37	22	27	42	38	28	22	31	33	42	47	52	56	40	26	23	31	45	52	56	50	45	41	56	40	25	28	40	31	40	51	38.8
Irvington	Maximum	41	46	44	45	45	48	50	48	47	53	68	64	65	63	50	44	57	52	62	62	63	62	65	64	57	44	54	52	49	49	60	51.2
	Minimum	35	26	30	41	37	31	30	36	34	42	50	49	54	36	27	27	31	44	54	51	52	49	40	46	40	30	33	40	36	41	46	39.4
Lawrenceburg	Maximum	42	44	43	46	42	47	45	45	45	50	67	66	62	62	49	39	49	56	61	65	60	60	67	66	58	40	51	51	50	50	53	52.2
	Minimum	35	25	31	40	35	30	28	31	34	40	49	50	54	37	25	26	28	41	53	55	54	51	43	48	39	29	33	41	32	41	49	39.3
Leitchfield	Maximum	40	43	40	45	41	45	41	38	48	49	66	62	67	59	41	42	51	57	60	63	61	58	65	65	45	45	55	39	29	33	41	51.2
	Minimum	29	25	24	37	28	21	27	25	32	38	49	49	50	38	24	23	24	33	46	49	45	45	45	40	32	26	33	39	33	36	43	37.5
Louisville	Maximum	46	47	46	47	48	50	51	49	50	54	69	68	65	63	50	44	57	52	62	62	63	62	65	64	57	44	54	52	49	49	60	51.2
	Minimum	31	28	31	38	38	34	30	28	36	42	48	46	55	34	28	32	32	40	54	48	48	47	48	47	35	30	33	40	36	41	46	39.4
Louisville	Maximum	43	44	43	45	41	46	46	46	47	53	67	66	63	62	49	39	49	56	61	65	60	60	67	66	58	40	51	51	50	50	53	52.2
	Minimum	35	25	31	40	35	30	28	31	34	40	49	50	54	37	25	26	28	41	53	55	54	51	43	48	39	29	33	41	32	41	49	39.3
Louisville	Maximum	42	44	43	46	42	47	45	45	45	50	67	66	62

51.05
NIKE

THE LIBRARY OF THE
AUG 31 1932
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVI LOUISVILLE, KY., ANNUAL, 1931 No. 13

GENERAL SUMMARY.

The drought of the preceding year continued through January, but was broken in February by precipitation approaching the normal. It was not until April, however, that monthly precipitation actually reached the normal amount; while in the months of May, June and July rainfall was again deficient. In the drought period, March, 1930 to March, 1931, inclusive, the total deficiency in precipitation was 22.92 inches, as against 27.61 inches received. Because of this long continued shortage, moisture in the subsoil was not quickly renewed, even by normal rainfall. Deeper supplies of ground water were not replenished during the year, therefore springs, wells and small streams remained very low most of the time and water supplies for livestock were often scanty. Rains in November and December finally filled the streams and furnished an ample water supply. Except in June and July, when the high temperature was an important feature, moisture usually sufficed for crops. Marked irregularity in the distribution of summer rainfall produced corresponding contrasts in vegetation. In many localities where the rains failed, corn, oats, hay crops, field tomatoes, and gardens were injured. The lower Green River Valley suffered more than other districts. The more or less gradual return to normal rainfall slowly increased the moisture in the surface soil as winter approached; yet there was seldom saturation, and little run-off occurred prior to December. On account of the comparative dryness of January, February and March, winter grains did not suffer from heaving freezes. Good rains in April, followed by dry and cool weather in May provided ideal conditions for wheat. The prevailing dry weather in winter and spring favored soil preparation and early planting. Rarely has the soil been so friable and easily prepared as at this time. The dry winter and cold March were followed by an exceptionally fine set of tree fruits. Small fruits showed the weakening effect of the long drought. During the first seven months rainfall often failed to support pastures and forage crops, especially in the hills and uplands. Pastures deteriorated in June and July; but the wet August, and the remarkable warmth and seasonal rainfall of the last four months, produced such excellent late grazing and favorable outdoor conditions that livestock required only light feeding far into the winter. Early wheat was heavily pastured in December. Dry weather persisted longest in the southern counties, where water shortages were not fully overcome until November.

The Weather By Months

JANUARY.---Dry weather restricted the marketing of tobacco, but favored outdoor work and the distribution of relief to drought sufferers. Prevailing mild temperatures reduced the demands for feed and fuel.

FEBRUARY.---The light to moderate showers on soil completely thawed were mostly absorbed. Plowing continued almost daily, with unusual progress in sowing plantbeds and making early gardens.

MARCH.---Low temperature held vegetation in check. The favorable condition of the soil encouraged early gardening, potato planting, and oats sowing.

APRIL.---Sprouting of tobacco seed and growth of plants were delayed by cold. Warmer weather late in the month led to much corn planting, with rapid and complete germination.

MAY.---Persistent low temperature favored cutworm damage and delayed tobacco plants. Transplanting was about two weeks late. Corn planting proceeded slowly because of the cold, but germination was better than expected. Dry weather began to affect pastures.

JUNE.---High temperature and deficient moisture caused heavy crop damage, but were ideal for ripening and saving the late wheat. Tobacco started slowly and died rather extensively.

JULY.---Rainfall was not sufficient for upland crops. Growth was uneven and pastures largely dried up. Tobacco began to fire in places. Considerable districts, however, received enough rain to keep crops growing. Much corn was seriously injured.

AUGUST.---Generous rains in the second week greatly improved conditions. Late corn was helped and tobacco much benefited. Additional rains later on largely revived pastures.

SEPTEMBER.---High temperatures, with light rainfall, hurried the crops to maturity. Except for a few cold days near the end the weather favored cutting, housing, and curing tobacco.

OCTOBER.---Mild temperature in the first half matured the remnant of the late crops. Rains were seasonably but badly needed. Soil moisture was barely sufficient for fall seeding.

NOVEMBER.---Dry weather advanced corn gathering. Unseasonal warmth caused the backward wheat to reach good size and resulted in some Hessian fly infestation. Pastures improved remarkably.

DECEMBER.---Persistent warmth caused almost continuous growth of grass and grains, with some jointing of early wheat. Copious rains caused the heaviest run-off of the year. There were only occasional days good enough for putting up tobacco.

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature. Mean	Departure from normal	Highest	Lowest.	Precipitation. Average	Departure from normal	Number of Days. 01 hundredths or more	Clear.	Pt. Cldy.	Cloudy.	Av. depth of Snowfall in.
1889	55.6	—0.9	101	2	55.07	— 0.87					
1890	57.1	—0.6	101	4	58.82	+12.90					
1891	56.3	—0.2	105	0	49.05	— 9.86					
1892	55.3	—1.2	104	— 6	44.25	— 7.36					
1893	57.5	+1.0	101	— 2	54.71	— 1.19					
1894	57.1	+0.6	105	— 22	54.81	—11.93					
1895	55.0	—1.5	104	— 18	38.57	— 7.37	156	103	106		
1896	57.6	+1.1	106	— 12	54.68	— 1.16	184	151	141	104	
1897	57.2	+0.7	107	— 16	46.72	+ 0.88	111	168	97	100	8.4
1898	57.2	+0.7	103	— 25	55.78	+ 6.04	163	152	110	102	12.5
1899	56.4	—0.1	102	— 12	50.85	+ 0.22	152	175	105	85	10.6
1900	57.7	+1.2	104	— 9	43.40	— 1.44	126	160	102	104	12.9
1901	55.3	—1.2	102	—22	56.65	+10.19	88	164	85	111	11.7
1902	56.5	0.0	107	— 3	44.35	— 1.49	102	162	91	112	14.0
1903	55.8	—0.7	101	— 10	41.46	— 4.68	106	170	87	108	12.9
1904	55.3	—1.2	100	0	53.19	+10.74	160	167	88	110	8.7
1905	56.8	0.7	105	— 12	47.68	+ 1.84	114	161	78	126	18.1
1906	57.0	+0.5	100	—12	48.32	+ 2.60	113	152	77	135	14.1
1907	56.1	—0.4	102	—11	47.56	+ 1.92	119	155	73	137	14.5
1908	57.7	+1.2	104	2	51.81	+ 3.10	168	160	82	115	9.5
1909	56.5	0.0	101	—14	50.41	+ 5.75	108	158	82	125	10.0
1910	55.5	—1.2	100	—20	50.67	+ 4.82	171	168	74	123	30.6
1911	58.0	+1.5	106	—18	46.77	+ 0.92	117	155	67	143	6.6
1912	54.6	—1.9	102	—20	45.96	+ 2.69	108	160	74	131	37.5
1913	57.9	+1.4	109	—12	47.46	+ 1.42	102	163	77	125	6.8
1914	56.3	—0.2	102	—10	51.50	+ 4.84	109	163	87	115	22.7
1915	56.2	—0.3	102	0	51.92	+ 6.08	114	150	93	122	14.4
1916	56.2	—0.3	102	—14	45.49	— 0.35	106	154	87	124	24.0
1917	56.5	0.0	100	—21	46.81	+ 0.77	106	155	93	117	8.7
1918	56.5	0.0	111	—20	50.03	+ 3.99	166	160	85	120	28.2
1919	57.0	+0.5	103	—11	52.73	+ 6.69	125	170	87	108	8.7
1920	57.1	+0.6	102	— 5	46.90	+ 1.06	104	171	93	101	10.1
1921	59.1	+2.6	105	11	49.32	— 0.58	113	164	88	113	5.6
1922	58.5	+2.0	107	1	45.43	— 1.41	119	157	87	108	5.0
1923	57.1	+0.6	102	—14	50.36	+ 3.56	125	161	84	120	3.2
1924	57.9	+1.4	104	— 6	53.16	+ 6.16	105	160	79	126	3.9
1925	57.1	+0.7	105	— 8	41.11	— 5.73	102	168	85	112	10.1
1926	56.1	0.0	107	—11	50.46	+ 4.11	94	146	89	127	13.1
1927	57.5	+1.3	107	— 5	49.55	+ 3.20	111	157	83	125	19.5
1928	58.0	+1.8	106	— 5	49.69	+ 0.23	113	166	89	111	6.2
1929	56.2	—0.6	101	—15	48.46	— 2.60	121	185	85	124	4.4
1930	57.5	+0.7	102	2	27	—17.79	75	175	87	103	2.1
1931	56.0	—0.8	105	— 9	41.58	— 3.68	114	165	77	123	4.1
Means and Totals	56.8	0.0	114	—30	48.84	0.00	5.00	156	87	117	14.3

Climatological Data for the Year 1931.

Stations	Counties	Elevation, feet	Temperature (degrees Fahrenheit): Length of record, years	Annual mean	Highest	Date	Lowest	Date	Precipitation (inches): Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall, unmelted	Number of days: With precip. of .01 in. or more	Clear	Pt. Cloudy	Cloudy	Prevailing direction of wind
WESTERN DIVISION																				
Beaver Dam	Ohio	441	28	60.4	100	June 19[3]	8	Jan. 15	29	41.61	5.15	Nov.	1.90	Jan.	6.5	92	231	33	101	n.
Calhoun	McLean	437	28	60.6	104	June 28	11	Jan. 15	29	42.35	5.28	Dec.	1.10	Jan.	6.0	112	83	190	92	sw.
Earlington	Hopkins	420	42	60.6	101	June 28[3]	5	Jan. 15	42	45.93	5.91	Dec.	1.48	Jan.	5.0	118	199	55	111	sw.
Fords Ferry	Crittenden	382	.....	.....	.....	.....	.....	.....	3	35.94	5.28	Nov.	0.53	Jan.	3.4	105	.....	.....	.....	.....
Greenville	Muhlenburg	519	15	59.3	101	July 19	0	Jan. 15	15	44.76	5.79	Dec.	1.56	Jan.	6.6	109	157	139	69	s.
Henderson	Henderson	382	.....	.....	106	June 19	.....	.....	.....	.....	5.78	Dec.	0.91	July	.....	.....	.....	.....	.....	.....
Hopkinsville	Christian	524	36	61.4	103	June 28[3]	1	Jan. 15	36	41.65	7.50	Dec.	1.63	Jan.	7.0	111	106	57	202	se.
Louisville	Ballard	.....	3	60.6	105	June 28	— 9	Jan. 15	3	41.24	5.51	Nov.	1.50	Jan.	6.0	62	194	92	79	s.
Marion	Crittenden	571	34	60.7	101	June 28	10	Jan. 15	35	42.86	4.92	Nov.	0.75	Jan.	4.5	60	185	81	99	e.
Mayfield	Graves	364	23	61.1	101	June 29	— 1	Jan. 15	23	44.89	7.06	Dec.	0.99	Jan.	2.6	59	194	90	81	sw.
Murray	Calloway	412	6	59.9	102	June 28	— 2	Jan. 15	6	42.61	7.75	Dec.	1.01	Jan.	5.2	73	145	101	119	s.
Owensboro	Daviess	479	35	58.3	101	June 29	11	Jan. 1	35	38.65	7.04	Aug.	0.86	Jan.	1.0	110	170	53	142	s.
Owensboro	Daviess	479	.....	.....	.....	.....	.....	.....	4	40.31	7.36	Aug.	0.90	Jan.	3.0	117	.....	.....	.....	.....
Owensboro Dam 46	Daviess	379	.....	.....	.....	.....	.....	.....	15	41.49	6.16	Nov.	1.25	Jan.	6.5	89	185	74	106	se.
Paducah (near)	McCracken	516	15	59.1	100	June 28[3]	— 3	Jan. 15	43	45.08	6.99	Nov.	0.96	Jan.	5.0	84	.....	.....	.....	.....
Paducah	McCracken	341	.....	.....	.....	.....	.....	.....	27	41.80	5.16	Dec.	1.46	Sept.	8.0	106	163	104	98	s.
Princeton	Caldwell	529	25	60.1	98	June 28	— 1	Jan. 15	28	42.13	6.00	Aug.	0.96	Jan.	2.3	100	.....	.....	.....	.....
Ramsey, Lock 2	Mclean	384	.....	.....	.....	.....	.....	.....	20	.....	5.61	Dec.	2.06	May	.....	.....	.....	.....	.....	.....
Russellville	Logan	560	20	.....	100	June 30	.....	.....	4	38.12	5.94	Sept.	0.46	Jan.	.....	101	.....	.....	.....	.....
Uniontown Dam 49	Union	314	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CENTRAL DIVISION.									4	41.01	5.07	Dec.	1.22	Jan.	.....	120	.....	.....	.....	.....
Addison Dam 45	Breckinridge	852	.....	.....	.....	.....	.....	.....	31	38.46	5.34	July	0.37	Jan.	3.0	98	237	46	112	sc.
Anchorage	Jefferson	700	31	58.6	100	June 28	5	Jan. 1	35	46.93	6.79	Dec.	1.12	May	3.5	105	198	59	108	s.
Bardstown	Nelson	667	35	59.4	102	June 19	10	Jan. 1	44	43.34	7.94	Dec.	1.14	May	3.5	112	157	111	97	s.
Bowling Green	Warren	500	43	61.8	105	June 19[3]	16	Jan. 2	7	40.78	7.02	Dec.	1.07	May	6.5	88	.....	.....	.....	.....
Bowling Green No. 2	Warren	469	.....	.....	.....	.....	.....	.....	15	39.85	6.86	Dec.	1.39	June	1.7	96	.....	.....	.....	.....
Brownsville, Lock 6	Edmonson	410	.....	.....	.....	.....	.....	.....	41	45.42	8.12	Dec.	1.22	Sept.	5.5	106	.....	.....	.....	.....
Burnside	Pulaski	773	.....	.....	.....	.....	.....	.....	33	40.69	6.85	Aug.	1.05	Jan.	.....	76	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	422	.....	.....	.....	.....	.....	.....	6	39.29	5.68	July	0.99	Jan.	3.5	121	.....	.....	.....	.....
Cold Spring	Campbell	482	.....	.....	.....	.....	.....	.....	8	40.54	6.15	Dec.	0.84	Jan.	1.0	105	168	111	86	sw.
Dog Dead, Burgin	Mercer	770	8	58.7	100	July 3	14	Jan. 1	38	42.10	6.96	Dec.	0.99	Jan.	3.2	91	124	70	101	s.
Eubank	Pulaski	1,177	38	58.0	98	June 28	5	Jan. 15	43	37.90	5.13	July	1.16	Jan.	2.0	101	161	58	146	s.
Frankfort	Franklin	560	40	58.8	101	July 2	10	Jan. 2	35	45.44	6.41	Dec.	1.63	Jan.	5.0	95	224	92	49	s.
Franklin	Simpson	691	35	61.1	103	July 19	13	Jan. 15	21	38.13	4.47	April	1.01	Jan.	3.2	133	.....	.....	.....	.....
Gest, Lock 3	Henry	449	.....	.....	.....	.....	.....	.....	7	34.57	4.28	Aug.	0.76	Jan.	.....	120	.....	.....	.....	.....
Grant, Dam 38	Boone	506	.....	.....	.....	.....	.....	.....	43	47.17	7.66	Dec.	1.71	Jan.	7.6	133	60	31	274	n.
Greensburg	Green	581	39	59.8	104	July 31	7	Jan. 15	30	39.97	5.67	Dec.	0.93	Jan.	.....	114	.....	.....	.....	.....
High Bridge, Lock 7	Jessamine	550	.....	.....	.....	.....	.....	.....	34	37.89	4.93	Dec.	1.26	July	2.0	100	163	68	134	sw.
Irvington	Breckinridge	646	34	59.4	99	June 28	13	Jan. 1	39	.....	6.49	April	1.21	Jan.	.....	.....	.....	.....	.....	.....
Junction City	Boyle	985	38	.....	.....	.....	8	Jan. 15	6	43.93	7.12	Aug.	0.67	Jan.	.....	111	.....	.....	.....	.....
Lancaster	Garrard	1,032	.....	.....	.....	.....	.....	.....	36	39.02	6.52	Dec.	1.38	July	4.6	113	148	121	96	sw
Leitchfield	Grayson	635	36	59.1	102	June 28	14	Jan. 1	49	40.51	8.50	July	0.77	Jan.	5.6	125	137	95	133	sw.
Lexington	Fayette	989	48	57.5	96	June 28	12	Jan. 1	21	39.93	6.21	Dec.	0.50	Jan.	.....	95	.....	.....	.....	.....
Little Hickman, Lock 8	Jessamine	623	.....	.....	.....	.....	.....	.....	22	41.07	5.22	Dec.	1.15	Jan.	.....	94	.....	.....	.....	.....
Lockport, Lock 2	Henry	476	.....	.....	.....	.....	.....	.....	59	33.55	3.99	Dec.	0.96	Jan.	3.6	117	104	105	156	s.
Louisville	Jefferson	525	59	60.0	99	June 28	15	Jan. 1	9	42.36	7.48	Dec.	1.59	Jan.	.....	97	.....	.....	.....	.....
Manfordville	Hart	600	.....	.....	.....	.....	.....	.....	56	39.02	5.40	Dec.	1.45	Jan.	2.0	102	243	52	70	.....
St. Joan	Hardin	777	36	.....	102	June 28	12	Jan. 1	18	45.10	6.77	Aug.	1.40	Jan.	.....	83	.....	.....	.....	.....
Smiths, Lock 6	Mercer	490	.....	.....	.....	.....	.....	.....	24	.....	.....	.....	0.54	Jan.	.....	.....	.....	.....	.....	.....
Scott	Kenton	900	34	.....	.....	.....	8	Jan. 1	43	35.70	5.39	Dec.	0.57	Jan.	5.4	129	151	14	200	s.
Shelbyville	Shelby	825	43	58.2	101	July 17	7	Jan. 1	30	40.14	5.74	Dec.	1.29	May	1.2	123	167	69	129	sw.
Taylorsville	Spencer	489	30	58.0	99	July 13	10	Jan. 2	14	44.75	7.98	Aug.	1.25	Jan.	.....	105	.....	.....	.....	.....
Tyrone, Lock 5	Anderson	526	.....	.....	.....	.....	.....	.....	29	41.31	5.13	Dec.	1.02	Jan.	6.0	143	205	66	81	e.
Williamstown	Grant	903	29	57.8	102	July 17	7	Jan. 1	15	41.51	6.62	Dec.	1.63	May	7.8	110	.....	.....	.....	.....
Woodsons, Lock 4	Butler	535	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
EASTERN DIVISION.									.....	44.52	7.54	July	1.44	Jan.	10.7	135	153	90	122	sw.
Annville	Jackson	534	15	58.5	101	July 16	14	Jan. 3	15	36.66	4.34	Aug.	0.49	Jan.	5.2	132	151	70	164	w.
Ashland	Boyd	650	28	57.4	98	June 21[3]	7	Jan. 2[3]	29	40.65	4.88	April	1.43	Jan.	9.5	135	73	100	192	s.
Beattyville	Lee	1,070	30	59.0	100	June 28	13	Jan. 1	30	49.71	6.88	Aug.	0.99	Jan.	3.3	131	168	81	116	w.
Berea	Madison	1,050	30	59.0	100	June 28	13	Jan. 1	22	42.05	5.52	Dec.	1.08	Jan.	3.0	121	.....	.....	.....	.....
College Hill, Lock 11	Madison	604	.....	.....	.....	.....	.....	.....	14	38.91	4.94	Aug.	1.16	Jan.	T	111	.....	.....	.....	.....
Cynthiana	Harrison	684	.....	.....	.....	.....	.....	.....	43	37.97	5.23	April	1.17	Jan.	5.2	128	.....	.....	.....	.....
Falmouth	Pendleton	698	.....	.....	.....	.....	.....	.....	26	45.25	7.56	Aug.	1.72	Jan.	.....	91	171	49	145	e.
Farmers	Rowan	698	24	57.6	100	July 31	7	Jan. 2	7	50.13	5.95	April	1.11	Jan.	.....	97	.....	.....	.....	.....
Flemingsburg	Fleming	870	.....	.....	.....	.....	.....	.....	16	40.73	5.99	July	0.65	Jan.	3.7	119	.....	.....	.....	.....
Ford, Lock 10	Clark	593	.....	.....	.....	.....	.....	.....	7	38.75	6.10	Aug.	1.07	Dec.	.....	95	.....	.....	.....	.....
Grayson	Carter	580	.....	.....	.....	.....	.....	.....	12	40.08	6.91	Aug.	0.97	Jan.	.....	124	.....	.....	.....	.....
Greenup, Dam 30	Greenup	540	.....	.....	.....	.....	.....	.....	4	47.06	7.40	Aug.	1.58	Oct.	11.5	126	.....	.....	.....	sw.
Harrod	Harlan	1,197	4	56.4	98	June 18	10	Jan. 2	8	58.85	7.13	Dec.	1.01	Jan.	4.3	128	.....	.....	.....	.....
Hazard	Perry	869	.....	.....	.....	.....	.....	.....	15	42.13	6.08	July	1.51	Jan.	.....	118	.....	.....	.....	.....
Heidelberg, Lock 11	Lee	661	.....	.....	.....	.....	.....	.....	7	45.83	7.28	Aug.	1.42	Jan.	.....	124	.....	.....	.....	.....
Jenkins	Bell	1,566	.....	.....	.....	.....	.....	.....	28	43.41	11 10	Aug.	0.97	Jan.	.....	132	.....	.....	.....	.....
Louisa	Lawrence	584	.....	.....	.....	.....	.....	.....	12	49.30	8.89	July	1.31	Jan.	.....	129	.....	.....	.....	.....
Manchester	Clay	451	.....	.....	.....	.....	.....	.....	35	42.17	5.62	July	0.78	Jan.	.....	124	108	73	184	sw.
Maysville	Mason	524	35	57.8	100	July 2	10	Jan. 2	35	42.32	6.84	July	1.41	Jan.	4.0	100	.....	.....	.....	.....
Middlesboro	Bell	1,128	35	.....	100	June 28[3]	6	Jan. 16	32	.....	6.89	Aug.	1.27	Jan.	.....	.....	.....	.....	.....	.....
Mount Sterling	Montgomery	930	42	.....	100	July 2	9	Jan. 1	10	45.60	9.51	July	1.20	Jan.	.....	125	.....	.....	.....	.....
Omer, Dam 35	Campbell	497	.....	.....	.....	.....	.....	.....	26	47.86	8.93	July	1.18	Jan.	.....	120	.....	.....	.....	.....
Paris	Bourbon	695	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pippapass	Knox	1,035	.....	.....	.....	.....	.....	.....	7	43.48	9.53	Aug.	1.18	Jan.	.....	121	.....	.....	.....	.....
Preston	Floyd	640	.....	.....	.....	.....	.....	.....	6	54.82	8.38	Aug.	1.15	Jan.	.....	111	.....	.....	.....	.....
Quicksand	Breathitt	702	6	58.7	99	June 20	8	Jan. 2	14	42.61	7.43	Aug.	1.69	Jan.	.....	115	.....	.....	.....	.....
Raccoon, Lock 12	Fayette	691	.....	.....	.....	.....	.....	.....	41	44.45	6.20	Dec.	1.15	Jan.	.....	111	.....	.....	.....	.....
Richmond	Madison	926	41	58.3	97	June 20[3]	12	Jan. 2[3]	18	50.88	6.54	Dec.	1.40	Jan.	.....	118	.....	.....	.....	.....
Valley View, Lock 9	Madison	841	.....	.....	.....	.....	.....	.....	17	44.28	4.98	April	1.29	Jan.	.....	137	.....	.....	.....	.....
Vanceburg, Dam 32	Lewis	525	.....	.....	.....	.....	.....	.....	7	43.97	8.19	July	1.47	Jan.	.....	121	.....	.....	.....	.....
Versailles	Woodford	1,142	.....	.....	.....	.....	.....	.....	37	40.94	6.24	Dec.	1.87	Jan.	3.0	115	214	58	93	.....
W. Hickman	Fayette	909	35	.....	103	June 28	14	Jan. 2	11	31.81	4.55	Dec.	1.23	Jan.	.....	66	.....	.....	.....	.....
Wilgow, Lock 13	Lee	711	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[3] Also on other dates.

[a] Temperatures are taken from self-recording thermometers.

[b] Precipitation letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

Monthly and Annual Precipitation for the Year 1931, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
EASTERN DIVISION.																										
Beaver Dam	1.90	-2.87	4.33	+1.15	4.09	-0.23	4.44	-0.31	3.18	-1.16	1.45	-1.74	4.60	+0.82	1.05	-1.61	3.05	+0.05	2.81	-0.25	3.15	-1.05	4.80	-1.20	41.61	-1.16
Cadiz	1.10	-3.78	3.90	+0.73	4.72	0.06	3.70	-0.84	2.44	-1.55	3.24	-1.35	1.43	-2.48	5.25	+2.77	4.88	+1.56	2.39	-0.67	3.15	-1.05	4.80	-1.20	41.61	-1.16
Earlington	1.48	-3.14	4.17	+0.96	5.08	-1.41	4.09	-0.27	2.71	-1.72	3.23	-0.49	2.56	-1.87	5.22	+1.69	2.36	-0.20	2.[illegible]							
Ford's Ferry	0.59		2.81		4.22		3.31		3.10		1.71		1.59		5.37		2.49									
Greenville	1.90	-2.78	3.32	-0.02	3.77	+1.18	4.82	-0.38	3.01	-0.91	2.25	-1.75	4.76	+1.62	6.96	+2.61	2.[illegible]									
Henderson									3.24	-0.88	3.50	-0.31	0.91	-2.36	7.42	+4.62	4.04	+1.24								
Hopkinsville	1.05	-3.86	3.55	-0.37	3.08	-1.05	2.91	-1.49	2.11	-1.85	2.85	-1.43	2.40	-0.50	4.14	+0.79	5.45	-0.78	3.[illegible]							
Lovelaceville	1.50		4.42		3.94		4.12		2.61		1.66		2.31		7.[illegible]											
Marion	0.70	-3.88	2.47	-0.87	3.88	-0.72	4.17	-0.28	2.06	-2.25	1.31	-2.27	4.[illegible]	+0.11	1.60	-1.93	2.[illegible]									
Mayfield	0.93	-4.04	2.56	-0.43	2.70	-2.31	3.16	-0.96	2.15	-2.40	4.01	+0.88	3.[illegible]	-0.34	5.41	+1.85	1.41	-1.61								
Murray	1.60		3.29		4.07		3.43		2.47		2.60		4.11		2.[illegible]											
Owensboro	0.85	-3.25	2.50	-0.42	3.43	1.30	2.58	-0.86	2.58	-1.18	2.[illegible]	-1.67	1.81	-2.53	7.04	+3.68	3.[illegible]									
Owensboro No. 2	0.90		2.59		3.71		3.14		2.48		2.60		0.[illegible]		7.56											
Paducah (near)	1.20	-3.80	4.06	+1.07	4.21	2.11	5.79	+0.21	2.68	-1.49	3.04	-0.97	1.06	-1.64	6.77	+2.90	1.78	-1.24	2.[illegible]							
Paducah	0.96	-3.50	3.78	+0.41	3.49	-0.21	5.23	+0.63	2.78	-1.54	4.27	0.55	2.[illegible]	-1.03	4.85	+1.30	1.52	-1.52								
Princeton	1.78	-2.47	4.16	-0.13	3.49	-1.06	3.47	-0.59	2.86	-1.72	4.74	+1.17	5.01	-0.88	4.21	+0.86	1.46	-1.52	3.[illegible]	-0.64						
Ramsey, Lock No. 2	0.96	-2.65	4.24	+1.52	4.47	0.15	4.09	-0.15	2.42	-1.84	2.15	-1.65	1.69	-0.74	6.[illegible]	+3.71	0.96	-2.07	2.[illegible]							
Russellville			2.05	-0.49	4.18	0.81	3.70	-1.13	2.05	-1.85	3.[illegible]	-0.25	3.[illegible]	-0.44	8.59	+5.38	2.[illegible]	-0.31	2.[illegible]	-0.84							
Uniontown	0.46		2.48		3.81		3.86		2.28		1.47		0.[illegible]		5.94		1.[illegible]		5.46							
CENTRAL DIVISION.																										
Addison	1.22		3.05		3.99		3.89		2.70		1.02		3.41		5.53		5.[illegible]									
Anchorage	0.47	-3.68	3.55	+0.51	2.98	-1.18	4.66	+0.67	2.40	-1.3	2.21	-1.51	5.54	+1.31	5.43	+2.18	3.21	+0.06	2.44	-0.06	3.[illegible]	-0.21	4.[illegible]	-0.40		
Bardstown	1.50	-3.47	3.70	+0.08	3.64	-1.14	1.71	+0.76	1.12	-2.32	2.66	-1.81	2.[illegible]	-0.87	4.44	+2.31	3.25	+0.40	2.[illegible]	-0.86	3.[illegible]	-0.15	4.[illegible]	-0.36		
Bowling Green	2.11	-2.86	3.82	-0.08	3.85	-1.02	3.85	+0.6	1.14	-2.27	3.78	-0.61	1.53	-2.74	6.[illegible]	+2.44	2.[illegible]	-0.96	3.[illegible]	-0.25	4.[illegible]	-0.34	4.[illegible]	-0.36		
Do. No. 2	2.35		3.45		3.94		3.86		1.05		3.00		2.[illegible]		5.94		1.[illegible]		4.[illegible]		4.[illegible]		4.[illegible]			
Brownsville, Lock No 6*	2.05	-3.69	3.85	-1.15	3.89	-2.42	3.86	-1.18	2.14	-3.56	1.95	-2.51	0.78	-2.52	5.25	+1.47	2.42	-1.26	3.[illegible]	-0.46	4.[illegible]	-0.02	4.[illegible]	-0.04		
Burnside	1.52	-3.13	3.65	-1.04	4.51	0.74	4.18	+0.03	5.49	-1.07	3.42	-0.59	3.[illegible]	-0.54	4.[illegible]	-0.26	3.[illegible]	-0.46	4.[illegible]	-0.04	3.[illegible]	+1.56	4.[illegible]	+0.54		
Carrollton, Lock No. 1	1.95	-2.45	2.35	-0.28	3.05	-0.51	5.2[illegible]	1.03	2.75	-1.28	2.66	-1.27	1.19	-2.18	6.87	+3.44	1.[illegible]	-0.84	3.[illegible]	0.64	4.03	+0.79	3.[illegible]	-0.05		
Cold Spring, Dam 36	0.99		2.14		2.11		5.06		2.11		3.88		5.48		3.85		3.[illegible]		2.[illegible]		4.[illegible]		3.[illegible]			
Dix Dam, Burgin	0.84		4.38		3.32		4.64		1.55		2.20		2.87		5.84		1.[illegible]		1.[illegible]		2.[illegible]		4.[illegible]			
Eubank	0.90	-3.48	1.88	-1.58	3.28	-1.06	5.11	+1.21	3.48	-0.93	2.21	-1.85	2.40	-0.94	5.06	+1.08	2.31	-1.17	4.11	+1.39	2.[illegible]	-0.21	4.[illegible]	-0.06		
Frankfort	1.16	-2.88	2.88	-0.84	3.85	1.06	4.18	+0.30	6.28	+2.34	2.88	1.87	5.18	+1.66	4.14	+0.47	4.29	+1.25	2.[illegible]	-0.63	3.[illegible]	-0.17	3.[illegible]	-0.15		
Franklin	1.09	-3.43	5.10	+1.69	5.40	+0.52	3.36	-1.38	1.75	-2.02	3.74	-0.66	2.45	-1.72	5.05	+0.44	1.46	-1.77	1.[illegible]	-1.01	3.[illegible]	+1.56	4.[illegible]	+0.59		
Gest, Lock No. 3	1.01	-3.10	2.76	-0.48	2.95	-1.21	4.47	+0.62	1.34	-2.61	2.58	-1.65	2.19	-0.35	3.88	-0.14	4.27	+1.24	1.72	-0.1[illegible]	2.[illegible]	-0.24	4.[illegible]	-0.26		
Grant, Dam 3	0.76		1.72		2.21		3.46		2.96		3.56		4.21		4.[illegible]		3.[illegible]		2.[illegible]		3.[illegible]		3.[illegible]			
Greensburg	1.71	-3.09	3.85	-0.01	5.08	-1.09	4.45	+0.52	2.52	-1.73	3.40	-1.15	2.88	-1.57	7.05	+2.95	2.[illegible]	-0.[illegible]	3.[illegible]							
Hays Bridge, Lock No. 7	0.60	-3.76	3.87	+0.02	3.03	0.71	4.21	+0.05	0.81	-3.04	2.82	-1.03	2.31	-1.93	5.31	+1.20	2.[illegible]	-0.88	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]		
Irvington	1.25	-3.26	3.41	-0.28	4.15	-0.57	2.97	-1.13	2.70	-1.84	1.02	-2.27	1.[illegible]	-1.94	4.[illegible]	+1.10	2.[illegible]	-0.78	4.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]		
Junction City	1.71	-3.78	4.25	+0.54	4.47	-0.72	6.44	+2.55	3.87	-0.72	2.92	0.79														
Lancaster	0.97		3.27		3.98		4.81		2.3[illegible]		1.[illegible]		3.46		7.[illegible]		2.[illegible]		4.[illegible]		2.[illegible]		4.[illegible]			
Lawrenceburg	1.69	-2.96	2.46	+0.28	4.69	-0.69	3.86	0.48	2.2[illegible]		1.[illegible]		2.[illegible]		7.[illegible]		2.[illegible]		4.[illegible]		2.[illegible]		4.[illegible]			
Lexington	0.77	-3.41	3.43	0.52	4.12	1.11	4.[illegible]	+0.[illegible]	1.[illegible]	-2.[illegible]	2.[illegible]	-1.[illegible]	1.[illegible]	-2.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Little Hickman, Lock 8	0.80	-3.[illegible]	3.[illegible]	-0.[illegible]	3.72	-0.11	4.[illegible]	-1.[illegible]	1.47	-2.[illegible]	2.[illegible]	-1.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Lockport, Lock No. 2	1.18	-3.09	3.29	-0.74	2.87	-1.71	5.10	+0.94	2.[illegible]	-1.[illegible]	1.[illegible]	-1.[illegible]	2.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Loretto	0.98	-3.04	2.58	-0.65	2.58	-1.56	3.8[illegible]	-0.[illegible]	1.94	-1.[illegible]	3.[illegible]	-0.[illegible]	1.[illegible]	-2.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Munfordville	1.89		3.31		4.12		3.9[illegible]		1.73		4.[illegible]		2.[illegible]		3.[illegible]		4.[illegible]		2.[illegible]		3.[illegible]		3.[illegible]			
Mt. John	1.45	-3.15	3.[illegible]	-0.17	3.46	-2.53	4.[illegible]	-0.77	1.[illegible]	-2.41	1.82	-2.21	2.[illegible]	-0.89	5.54	+0.37	2.[illegible]	-0.22	4.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]		
Paris	1.40	-3.37	4.62	+1.37	4.43	+0.57	5.6[illegible]	1.58	1.50	-2.41	2.79	-2.31	5.38	-1.34	6.77	+2.94	2.[illegible]	-0.62	5.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	-0.[illegible]		
Scott	0.84	-2.91																								
Shelbyville	0.85	-3.64	3.20	-0.81	3.85	-1.89	3.28	-0.56	2.01	-2.01	2.78	-1.62	2.70	-1.43	5.80	+0.28	2.[illegible]	-0.64	2.52	-0.25	3.[illegible]	-0.08	3.[illegible]	-1.[illegible]		
Taylorsville	1.53	-2.93	3.62	+0.10	3.23	-1.41	4.76	-0.27	1.9[illegible]	-2.28	5.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Tyrone, Lock No. 5	1.29	-3.49	2.69	-0.21	3.03	-1.18	4.05	-0.[illegible]	2.14	-1.[illegible]	3.[illegible]	-1.[illegible]	4.[illegible]	+0.[illegible]	7.[illegible]	+3.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]		
Williamstown	1.92	-2.61	3.58	+0.86	4.14	1.25	5.29	+1.56	2.[illegible]	-1.[illegible]	1.[illegible]	-1.[illegible]	0.[illegible]	-3.[illegible]	3.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Woodbury, Lock No. 4*	1.72	-3.36	3.30	-0.26	4.63	0.81	4.1[illegible]	-0.49	1.[illegible]	-1.[illegible]	1.[illegible]	-1.[illegible]	1.[illegible]	-2.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]		
EASTERN DIVISION.																										
Annville	1.14		2.90		4.24		5.2[illegible]		2.[illegible]		2.[illegible]		7.[illegible]		3.[illegible]		2.[illegible]		3.[illegible]		2.[illegible]		4.[illegible]			
Ashland	0.94	-3.41	3.59	-0.50	3.24	-0.77	5.27	+1.94	3.85	-0.13	3.04	-0.56	3.56	0.69	4.86	+1.13	1.78	-1.13	1.47	-1.29	2.[illegible]	-1.[illegible]	2.[illegible]	-2.[illegible]		
Beattyville	1.13	-3.[illegible]	2.[illegible]	0.95	2.[illegible]	-1.13	1.[illegible]	+0.[illegible]	1.[illegible]	-2.[illegible]	1.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-1.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]		
Berea	0.93	-3.[illegible]	3.[illegible]	-0.24	3.[illegible]	0.68	3.[illegible]	-0.[illegible]	2.[illegible]	-1.[illegible]	1.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-1.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]		
College Hill, Lock No. 12	1.08	-3.[illegible]	2.[illegible]	-0.65	3.64	-0.[illegible]	4.18	+0.[illegible]	2.[illegible]	1.64	2.[illegible]	-1.[illegible]	2.[illegible]	-2.44	4.[illegible]	+0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Goshiana	1.16	-3.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	+0.[illegible]	1.[illegible]	-2.[illegible]	1.[illegible]	-1.[illegible]	1.[illegible]	-2.[illegible]	4.[illegible]	+0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]		
Falmouth	1.15	-3.[illegible]	3.[illegible]	-0.[illegible]	2.[illegible]	-1.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-1.[illegible]	2.[illegible]	-1.[illegible]	1.[illegible]	-2.[illegible]	4.[illegible]	+0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]		
Farmers	1.52	-3.47	3.76	-0.76	3.[illegible]	-0.[illegible]	4.[illegible]	+0.[illegible]	2.[illegible]	-1.[illegible]	2.[illegible]	-1.[illegible]	1.[illegible]	-2.[illegible]	4.[illegible]	+0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Flemingsburg	1.11		3.[illegible]		4.[illegible]		5.[illegible]		2.[illegible]		3.[illegible]		4.[illegible]		5.[illegible]		2.[illegible]		3.[illegible]		3.[illegible]		4.[illegible]			
Ford, Lock No. 10	0.66	-3.42	2.55	-0.03	3.48	-0.22	4.11	-0.61	2.81	-0.55	3.14	-0.78	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Greenup	1.07		2.48		3.54		5.[illegible]		1.[illegible]		1.[illegible]		4.[illegible]		5.[illegible]		2.[illegible]		2.[illegible]		3.[illegible]		3.[illegible]			
Greenup, Dam 31	0.67	-2.75	1.[illegible]	-1.13	3.[illegible]	-0.[illegible]	5.[illegible]	+2.[illegible]	3.[illegible]	0.11	2.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	8.[illegible]	+4.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Harlan	1.67		2.92		3.[illegible]		5.[illegible]		3.[illegible]		3.[illegible]		5.[illegible]		7.[illegible]		3.[illegible]		4.[illegible]		4.[illegible]		5.[illegible]			
Jagard	1.04		2.[illegible]		3.[illegible]		5.[illegible]		3.[illegible]		3.[illegible]		5.[illegible]		7.[illegible]		3.[illegible]		4.[illegible]		4.[illegible]		5.[illegible]			
Louisburg, Lock No 11	1.57	-3.[illegible]	2.77	-0.60	4.05	-0.19	5.11	-2.25	2.[illegible]	0.[illegible]	2.[illegible]	-0.47	6.[illegible]	+1.[illegible]	4.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Jenkins	1.42		1.[illegible]		3.25		5.04		2.[illegible]		3.[illegible]		5.[illegible]		7.[illegible]		3.[illegible]		3.[illegible]		3.[illegible]		4.[illegible]			
Louisa	0.97	-2.71	2.[illegible]	-0.58	2.[illegible]	-1.[illegible]	6.07	+2.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Manchester	1.30	-2.[illegible]	2.[illegible]	-0.[illegible]	4.[illegible]	-1.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Maysville	0.78	-3.21	2.[illegible]	-0.27	3.[illegible]	0.78	5.[illegible]	+1.[illegible]	2.[illegible]	-1.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Middlesboro	1.41	-3.34	3.[illegible]	-1.42	3.[illegible]	-2.34	4.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Mount Sterling	1.27	-3.[illegible]	3.[illegible]	-0.07	3.[illegible]	-1.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	-0.[illegible]	5.[illegible]	-1.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Oneonta, Dam No. 35	1.21	-2.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-1.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	-0.[illegible]	6.[illegible]	-2.[illegible]	1.[illegible]	-1.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Pikeville	1.18	-2.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-1.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	-0.[illegible]	7.[illegible]	-3.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Pippapass																										
Prestonsburg	1.18		2.45		5.61		5.[illegible]		4.[illegible]		1.[illegible]		4.[illegible]		6.[illegible]		2.[illegible]		2.[illegible]		4.[illegible]		4.[illegible]			
Quicksand	1.15		3.14		5.70		6.[illegible]		4.[illegible]		1.[illegible]		4.[illegible]		9.[illegible]		3.[illegible]		3.[illegible]		5.[illegible]		5.[illegible]			
Tarpana Lock No. 12	1.61	-2.[illegible]	1.85	-1.[illegible]	3.[illegible]	-1.[illegible]	4.[illegible]	+1.[illegible]	2.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Tehama	1.15	-3.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	+1.[illegible]	2.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-1.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Valley View, Lock No. 9	1.30	-3.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	+1.[illegible]	2.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Vanceburg, Dam No. 32	1.23	-2.[illegible]	2.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	4.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	+2.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Whitesburg	1.45		3.[illegible]		5.[illegible]		5.[illegible]		3.[illegible]		3.[illegible]		5.[illegible]		8.[illegible]		3.[illegible]		3.[illegible]		4.[illegible]		5.[illegible]			
Williamsburg	1.87	-2.[illegible]	2.[illegible]	-1.[illegible]	3.[illegible]	1.[illegible]	4.[illegible]	+0.[illegible]	2.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		
Willow, Lock No. 13	1.23	-2.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	1.[illegible]	4.[illegible]	+0.[illegible]	2.[illegible]	-1.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]		

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in computing section or division means.

T Precipitation unmeasurable, a trace or less than one-half hundredth.

*Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Monthly and Annual Mean Temperatures for the Year 1931, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure
WESTERN DIVISION.																										
Beaver Dam	38.3	+ 2.7	43.2	+ 7.0	43.6	− 4.0	57.7	+ 1.8	63.4	− 2.9	76.6	+ 2.4	80.6	+ 2.8	75.0	− 0.5	77.0	+ 6.1	64.1	+ 5.4	58.1	+10.2	46.8	+ 9.7	60.4	+ 3.4
Calhoun	39.4	+ 2.7	44.6	+ 6.9	42.8	− 6.4	57.8	− 0.6	63.8	− 3.3	77.6	+ 2.2	81.4	+ 3.4	76.2	+ 1.2	76.4	+ 4.4	63.4	+ 5.4	56.4	+ 8.2	47.6	+ 9.4	60.6	+ 2.4
Darlington	38.6	+ 3.0	43.2	+ 5.9	42.5	− 5.2	57.4	+ 0.1	64.4	− 2.5	78.0	+ 2.4	81.4	+ 2.9	76.8	− 0.8	76.9	+ 5.5	63.8	+ 4.2	56.8	+ 9.0	47.4	+ 8.8	60.6	+ 2.8
Greenville	38.3	+ 2.7	42.4	+ 3.1	42.0	− 6.2	56.1	− 1.3	62.8	− 2.4	76.4	+ 1.6	79.8	+ 2.7	74.2	− 2.5	75.6	+ 4.6	63.8	+ 4.5	55.5	+ 7.7	46.6	+ 7.9	59.8	+ 1.7
Henderson	....	....	....	....	....	....	....	....	62.6	....	77.6	....	81.4	....	76.6	....	76.3	....	64.0	....	55.6	....	46.6	....	....	....
Hopkinsville	39.5	+ 2.0	44.9	+ 6.5	43.8	− 5.5	58.2	+ 0.9	64.8	− 2.8	78.1	+ 2.6	81.9	+ 3.1	77.4	− 0.5	78.0	+ 5.9	65.2	+ 4.6	56.5	+ 8.0	48.2	+ 9.7	61.4	+ 3.0
Lawrenceville	38.5	....	43.5	....	43.4	....	57.8	....	63.8	....	78.2	....	81.0	....	76.4	....	76.9	....	64.4	....	56.0	....	48.0	....	60.6	....
Madisonville	38.7	+ 2.9	44.8	+ 7.6	44.0	− 5.6	58.0	+ 0.4	64.0	− 2.7	78.0	+ 3.0	81.4	+ 3.5	76.4	− 1.6	77.1	+ 4.7	65.8	+ 3.7	56.2	+ 7.9	47.8	+ 9.5	60.7	+ 2.7
Marion	38.7	+ 2.9	44.8	+ 7.5	44.0	− 5.6	58.0	+ 0.4	64.0	− 2.7	78.0	+ 3.0	81.4	+ 3.5	76.4	− 1.6	77.2	+ 5.2	65.2	+ 5.0	56.8	+ 7.5	48.7	+ 8.7	61.1	+ 2.6
Mayfield	39.6	+ 3.0	45.3	+ 6.0	44.7	− 6.2	58.2	+ 0.3	64.7	− 1.5	77.7	+ 3.0	80.0	+ 2.1	75.6	− 1.8	77.2	+ 5.2	65.2	+ 5.0	56.8	+ 7.5	48.7	+ 8.7	61.1	+ 2.6
Morganfield	38.4	....	43.8	....	43.0	....	57.0	....	64.2	....	76.6	....	80.2	....	75.9	....	75.4	....	63.1	....	54.3	....	47.2	....	59.9	....
Murray	38.4	....	43.8	....	43.0	....	57.0	....	64.2	....	77.6	....	80.2	....	74.2	− 2.1	74.0	+ 3.5	61.6	+ 2.7	54.6	+ 7.4	46.6	+ 8.6	58.3	+ 1.5
Owensboro	36.6	+ 1.7	41.1	+ 5.6	40.8	− 6.3	55.2	− 0.3	61.3	− 4.3	75.0	+ 0.7	79.9	+ 2.2	74.2	− 2.1	74.0	+ 3.5	61.6	+ 2.7	54.6	+ 7.4	46.6	+ 8.6	58.3	+ 1.5
Paducah (near)	37.4	+ 1.5	42.4	+ 0.7	42.8	− 6.4	56.2	− 2.0	62.0	− 4.6	75.8	− 1.2	79.1	− 0.9	74.7	− 4.5	75.0	+ 2.0	63.9	+ 3.1	54.2	+ 6.2	46.2	+ 6.9	59.1	0.0
Pembroke	39.1	+ 2.5	43.2	+ 6.8	42.8	− 5.7	57.5	− 0.6	63.6	− 3.1	76.0	+ 1.1	80.6	+ 2.7	76.0	− 1.3	75.7	+ 5.0	63.3	+ 4.2	55.5	+ 8.0	47.2	+ 8.8	60.1	+ 2.3
Russellville	....	....	41.6	+ 4.2	40.6	− 8.2	55.2	− 2.8	61.5	− 4.4	75.0	+ 0.1	79.6	+ 1.9	75.5	− 2.2	75.5	+ 3.9	63.0	+ 3.6	52.6	− 5.3	46.0	+ 7.9	....	....
CENTRAL DIVISION.																										
Anchorage	34.6	+ 1.8	38.8	+ 5.8	39.2	− 5.8	52.8	− 1.1	59.8	− 3.9	73.0	+ 1.0	78.2	+ 2.1	73.2	− 1.8	72.9	+ 3.2	59.6	+ 2.7	53.6	+ 9.2	42.9	+ 8.4	56.6	+ 1.9
Bardstown	37.5	+ 2.5	41.4	+ 5.7	41.4	− 5.5	56.4	+ 0.8	63.5	− 2.5	76.0	+ 1.0	80.3	− 0.4	75.8	+ 1.2	75.8	+ 4.3	61.9	+ 2.8	56.1	+ 9.4	46.3	+ 9.5	59.4	+ 2.2
Bowling Green	39.9	+ 2.9	44.2	− 5.5	44.0	− 4.5	59.3	+ 1.0	66.0	− 1.4	79.3	+ 3.5	83.0	+ 4.3	77.3	− 1.0	78.2	+ 6.0	64.8	+ 5.0	57.2	+ 9.6	48.2	+ 9.7	61.8	+ 3.4
Dix Dam	38.1	....	42.0	....	41.8	....	56.0	....	63.8	....	76.0	....	79.9	....	75.5	....	75.8	....	62.5	....	55.6	....	47.2	....	58.7	....
Eminence	36.8	+ 1.8	40.4	+ 5.6	40.4	− 5.7	55.7	+ 1.4	62.6	− 1.4	73.2	+ 1.8	78.4	+ 3.5	74.0	+ 0.2	73.7	+ 5.2	60.6	+ 3.7	54.2	+ 9.1	46.3	+ 9.9	58.0	+ 2.9
Frankfort	37.7	+ 1.7	41.2	+ 5.3	41.6	− 5.0	55.2	− 0.6	63.6	− 1.6	75.0	+ 1.8	79.8	+ 2.9	75.6	+ 0.8	74.8	+ 4.6	60.8	+ 3.7	54.3	+ 7.9	45.8	+ 8.3	58.8	+ 2.6
Franklin	40.2	+ 1.6	43.6	+ 4.6	43.6	− 6.0	59.0	− 0.2	65.7	− 1.0	78.6	+ 3.4	81.8	+ 4.0	77.6	+ 0.8	77.7	+ 5.4	65.6	+ 5.4	56.0	+ 6.2	48.4	+ 6.2	61.1	+ 2.3
Greensburg	38.0	+ 3.5	41.6	+ 6.7	41.9	− 4.7	56.0	+ 0.8	63.0	− 1.8	75.6	+ 2.3	81.6	+ 4.4	75.4	+ 0.1	75.7	+ 6.1	61.4	+ 4.3	55.0	+ 9.8	47.2	+10.5	59.3	+ 3.5
Irvington	38.4	+ 2.8	42.0	+ 5.9	42.2	− 5.0	56.4	+ 0.5	62.8	− 3.1	75.7	+ 1.8	80.6	+ 3.3	75.5	− 0.6	75.8	+ 5.0	62.4	+ 5.7	55.4	+ 8.8	46.4	+ 9.7	59.3	+ 2.9
Junction City	37.4	+ 2.3	40.0	+ 5.4	40.1	− 5.7	54.0	− 0.9	62.6	− 2.0	73.2	+ 1.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Leitchfield	38.2	+ 3.2	41.3	− 6.1	40.6	− 5.9	56.0	+ 0.4	62.6	− 2.5	76.3	+ 3.1	81.0	+ 4.4	75.2	− 0.4	75.3	+ 5.5	61.8	+ 3.7	55.1	− 8.6	45.3	+ 9.2	59.1	+ 3.0
Lexington	35.6	+ 2.7	39.3	+ 3.9	37.8	− 5.9	54.0	− 0.3	61.2	− 3.1	74.8	+ 2.6	79.4	+ 3.5	74.2	− 0.3	73.4	+ 4.9	60.8	+ 3.4	54.8	+10.0	44.4	+ 8.6	57.5	+ 2.5
Louisville	37.6	+ 3.2	41.4	+ 4.2	40.1	− 5.3	56.0	− 0.4	62.4	− 4.2	76.0	+ 1.8	81.2	+ 2.6	75.9	− 1.1	75.2	+ 4.7	61.6	+ 2.3	55.4	+ 8.7	45.1	+ 7.5	59.0	+ 2.6
St. John	35.4	+ 1.6	41.8	+ 7.3	40.8	− 4.7	55.2	+ 0.6	61.8	− 3.0	74.3	+ 1.6	79.4	+ 3.4	72.4	− 2.5	73.7	+ 4.4	....	....	54.4	+ 8.7	44.5	+10.1	....	....
Scott	34.2	+ 1.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Shelbyville	36.2	+ 2.8	40.6	+ 5.5	39.8	− 5.1	54.8	+ 0.1	62.0	− 2.6	74.4	+ 2.1	80.8	+ 4.0	75.6	+ 0.4	74.8	+ 5.5	61.4	+ 4.2	54.8	+10.3	44.0	+ 8.5	58.2	+ 3.0
Shepherdsville	38.0	+ 3.8	40.7	+ 5.8	40.6	− 6.0	54.9	+ 0.4	62.5	− 2.1	74.0	+ 1.5	79.0	+ 2.9	74.0	− 0.3	73.2	+ 5.2	59.2	+ 2.9	54.0	+ 9.2	45.3	+10.1	58.0	+ 2.8
Taylorsville	38.0	+ 3.8	40.7	+ 5.3	40.6	− 6.0	54.9	+ 0.4	62.5	− 2.1	74.0	+ 1.5	79.0	+ 2.9	74.0	− 0.3	73.2	+ 5.2	59.2	+ 2.9	54.0	+ 9.2	45.3	+10.0	58.2	+ 3.4
Williamstown	34.6	+ 2.2	39.4	+ 7.4	38.2	− 6.4	54.4	+ 1.6	62.4	− 1.2	76.2	+ 5.6	80.6	+ 4.3	73.8	− 0.4	72.5	+ 3.9	60.9	+ 5.8	54.3	+ 9.2	43.5	+10.0	57.7	+ 3.4
EASTERN DIVISION.																										
Ashland	38.4	+ 3.2	40.5	+ 3.7	40.7	− 6.9	54.6	− 1.2	61.7	− 2.2	73.4	− 0.5	80.0	+ 3.9	75.2	− 0.3	75.0	+ 4.6	61.0	+ 3.3	55.4	+ 8.5	45.6	+ 6.3	58.5	+ 1.9
Beattyville	37.6	+ 2.7	39.6	+ 3.5	40.4	− 5.5	54.4	− 0.1	61.8	− 2.4	72.8	+ 0.1	78.4	+ 2.5	75.6	− 1.5	73.1	+ 3.3	58.8	+ 1.0	53.4	+ 8.5	45.2	+ 9.5	57.4	+ 1.8
Berea	38.5	+ 2.1	41.3	+ 5.0	40.8	− 6.2	55.4	− 0.4	62.8	− 2.4	74.6	+ 1.7	79.2	+ 3.2	74.5	+ 0.1	75.6	+ 6.3	61.7	+ 3.1	55.9	+ 9.6	46.4	+ 9.8	59.0	+ 2.4
Paintsville	37.4	+ 2.6	40.0	+ 3.4	41.4	− 3.9	56.8	− 0.9	62.4	− 0.4	72.6	+ 1.6	78.2	+ 3.5	73.6	− 0.2	73.2	+ 5.0	59.8	+ 3.2	53.7	+ 8.0	45.2	+ 9.2	57.6	+ 2.6
Parkers	37.4	+ 2.6	40.0	+ 3.4	41.4	− 3.9	56.8	− 0.9	62.4	− 0.4	72.6	+ 1.6	78.2	+ 3.5	73.6	− 0.2	72.6	....	59.4	....	53.6	....	49.1	....	56.4	....
Harlan	36.5	....	38.6	....	38.1	....	51.9	....	59.6	....	71.4	....	77.2	....	71.1	....	72.6	....	59.4	....	53.6	....	49.1	....	56.4	....
Maysville	36.7	+ 3.8	40.2	+ 5.5	40.4	− 4.2	54.0	− 0.1	62.2	− 2.4	73.4	+ 0.2	79.2	+ 2.4	74.3	− 1.3	73.8	+ 4.1	60.8	+ 3.3	54.4	+ 9.7	44.8	+10.2	57.8	+ 2.6
Middlesboro	36.5	+ 2.7	40.2	+ 0.4	41.4	− 7.1	55.6	− 1.0	62.9	− 1.6	71.2	− 1.2	....	....	71.2	− 3.6	74.4	+ 5.5	60.0	+ 1.6	51.3	− 5.3	45.1	+ 6.7	....	....
Mt. Sterling	35.3	+ 1.8	38.6	+ 4.4	38.8	− 5.2	52.9	− 0.9	59.7	− 4.1	72.6	+ 0.2	78.3	+ 2.8	74.0	0.0	72.2	+ 4.2	58.8	+ 2.9	....	....	42.0	+ 6.6	....	....
Pineville	....	....	....	....	....	....	....	....	....	....	....	....	....	....	73.6	....	73.8	....	60.8	....	55.2	....	47.8	....	....	....
Princeton	....	....	....	....	....	....	....	....	....	....	....	....	....	....	73.6	....	73.2	....	59.6	....	53.4	....	46.3	....	58.7	....
Quicksand	38.0	....	40.6	....	41.6	....	54.7	....	62.2	....	72.6	....	78.6	....	73.6	....	74.5	+ 6.0	61.0	+ 1.6	54.8	+ 7.8	45.6	+ 7.1	58.3	+ 2.1
Richmond	38.5	+ 4.2	41.1	+ 4.8	41.6	− 5.0	55.8	− 0.3	62.2	− 3.4	74.3	+ 0.8	78.4	+ 1.7	73.1	− 2.4	74.5	+ 5.9	62.4	+ 2.7	54.7	+ 7.4	....	....	....	....
Williamsburg	42.2	+ 4.0	43.8	+ 5.0	45.0	− 2.1	57.2	+ 0.7	65.0	− 0.8	75.4	+ 1.6	81.4	+ 4.7	76.0	0.0	76.4	+ 5.9	62.4	+ 2.7	54.7	+ 7.4	....	....	....	....

All temperature data are taken from self registering thermometers.
The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1931.

Stations.	Last in Spring.	First in Autumn.	Stations.	Last in Spring.	First in Autumn.
WESTERN DIVISION.					
Beaver Dam	April 28	Nov. 5	Irvington	April 27	Nov. 5
Calhoun	do 27	do 5	Leitchfield	do 28	do 5
Darlington	do 27	Oct. 18	Lexington	do 28	do 5
Greenville	do 27	Nov. 5	Louisville	do 7	do 5
Hopkinsville	do 7	Oct. 18	St. John	do 28	do 5
Lovelaceville	do 7	Nov. 5	Shelbyville	do 28	Oct. 18
Marion	do 7	do 5	Taylorsville	do 28	Oct. 18
Mayfield	do 7	do 5	Williamstown	do 28	Nov. 5
Owensboro	do 27	do 5			
Paducah (near)	do 6	do 5	**EASTERN DIVISION**		
Princeton	do 7	do 5			
Russellville	Apr. 27	Nov. 5	Ashland	April 28	Nov. 3
			Beattyville	do 28	Oct. 18
CENTRAL DIVISION.			Berea	do 28	Nov. 5
			Harlan	do 28	Oct. 18
Anchorage	April 28	Oct. 18	Maysville	do 28	Nov. 5
Bardstown	do 28	do 18	Middlesboro	do 28	Oct. 18
Bowling Green	do 28	Nov. 5	Mount Sterling	do 28	do 18
Dix Dam	do 28	do 6	Richmond	do 28	Nov. 5
Eminence	do 28	Oct. 19	Williamsburg	do 28	do 5
Frankfort	do 28	Nov. 5		do 27	Oct. 20
Franklin	do 27	do 5			
Greensburg	do 28	Oct. 18			

MONTHLY SUMMARIES, 1931.

Month.	Temperature.				Precipitation.		Average number of days.			Average Snowfall.
	State average.	Departure.	Highest.	Lowest.	State average.	Departure.	With .01 or more rain.	Clear.	Partly cloudy.	Cloudy.	
January	37.7	+ 2.3	72	− 9	1.23	− 3.12	6	18	5	13	2.8
February	41.6	+ 5.0	76	12	3.20	− 0.25	8	12	6	12	0.8
March	41.5	− 4.8	73	18	3.68	− 1.01	17	7	7	17	1.9
April	55.9	− 0.1	89	25	4.52	+ 0.49	8	15	6	9	0.1
May	62.7	− 2.6	97	30	2.59	− 1.41	11	13	8	10	0.0
June	75.3	+ 1.5	106	39	2.80	− 1.45	8	17	8	5	0.0
July	79.9	+ 3.1	104	51	3.85	− 0.29	8	18	8	5	0.0
August	74.9	− 0.7	102	45	5.38	+ 1.63	12	13	9	9	0.0
September	73.1	+ 1.7	103	36	2.74	− 0.69	5	20	6	4	0.0
October	62.0	+ 3.8	93	28	3.01	+ 0.24	8	17	6	8	0.0
November	55.6	+ 8.6	84	19	3.52	− 0.45	10	13	5	12	7
December	46.1	+ 8.6	73	17	5.48	+ 1.45	13	7	5	19	6.0
Annual means and columns	59.0	+ 2.5	106	− 9	41.98	− 3.86	114	165	77	128	4.6

*Compared with 40 years' normal.

NOTE.—Tables and charts giving climatic data for Kentucky in detail during 1930 have been published for each month at the Kentucky section center, Weather Bureau, Louisville, Ky., and can be obtained from the Official in charge of that office. Indexes to special articles published during past years in Kentucky climatological reports can be found in the Monthly Report for June, 1929.

W. G. Reed, Jr., 2/15/32.

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

JAMES E. KENDALL, Meteorologist.

VOL. XXXVII LOUISVILLE, KY., JANUARY, 1932 No. 1

THE LIBRARY OF THE
UNIVERSITY OF ILLINOIS

GENERAL SUMMARY.

The month was the warmest of the same since State records were established in 1889. Except for two short periods, one at the end of the first decade and the other at the close, there was no weather that could be called moderately cold. Light freezes or heavy frosts about once a week exercised a restraining influence on growth of winter grains, but did not prevent slow advancement. The cold spell of the 30th-31st damaged some of the most advanced wheat, which had reached a height of six inches and had jointed to such an extent as to be vulnerable to freezes. The freezing of the saturated soil at this time resulted in the first heaving of the winter. Taking the wheat crop as a whole, this freeze did more good than harm by bringing about a dormant condition. Buds continued to send up shoots and shrubs bloomed from time to time. The weather and the condition of vegetation strikingly resembled those usually occurring two months later. The expansion of fruit buds became more pronounced, but as a rule they did not open. Frequent rains, often heavy to excessive, with the total precipitation nearly double the normal amount, soon filled the soil to capacity. Run-off increased to large proportions early in the month, with the greater part of the rainfall reaching the streams. Floods occurred in all districts late in the month. Much lowland, especially in the western counties, overflowed and was under water at the close of the month. Wheat, rye, and grass fields became too soft for pasturing. On flat lands the supersaturation of soil and the standing water damaged grain and meadows. Tobacco often became too soft for proper handling, but with this exception the mild and moist weather favored progress in the disposition of this crop. The continued warm weather, except the last two days, rendered meat packing on the farm unsafe and caused some meat to spoil. Weather conditions were unusually favorable for young lambs.

TEMPERATURE.

The average temperature of 44.9° exceeded by nearly 1° the previous high record for January, 1890. Most stations reported temperatures above 70°, while temperatures of 60° to 70° were frequent in all districts. At some stations the daily mean temperature was above normal on every day except the last two, with excesses of 10° to 25° on more than half of the days. Extremes were 80° at Williamsburg on the 13th and 14° at Williamstown on the 31st.

PRECIPITATION.

The average precipitation of 5.39 inches, based on reports from 84 stations, was the third highest for this month. A region an area extending from the southern Purchase to the upper Green River basin, which received 10.0 to 12.0 inches, amounts decreased to about 8.0 inches along the Ohio River and in the northern and eastern bluegrass region. In the northeastern and southeastern counties the range was between 5.0 and 6.0 inches. A few stations in the western and northeastern sections reported light snowfall. Light to moderate rains occurred in the periods 18th-20th, 5th-7th, and 26th-27th; and heavy rains in the period 12th-17th, 22nd-25th, and 28th-30th. The 24-hour rainfalls of the 12th and 15th often reached 2.0 to 3.0 inches at western and central stations. Extremes were 3.40 inches at Jenkins and 12.97 inches at Hopkinsville. Days with thunderstorms were: 5, 13, 14, 24, 26.

PRESSURE AND WIND.

STATIONS	Highest pressure: Date	Highest pressure: Time (75th meridian time)	Lowest pressure: Date	Lowest pressure: Time (75th meridian time)	Prevailing direction	Average hourly velocity	Maximum velocity: Direction	Maximum velocity: Time (75th meridian time)	Maximum velocity: Velocity	Maximum velocity: Date
Cairo	11	9	31	23	SW.	4	SW.	4	36	1
Louisville	6	24	31	23	SW.	5	SW.	4	36	1
Lexington	6	24	31	23	SW.	5	SW.	4	36	1
Bowling Green	6	24	31	23	SW.	5	SW.	4	36	1
Jackson	6	24	31	23	SW.	5	SW.	4	36	1

The dates are [illegible]

HUMIDITY AND SUNSHINE.

STATIONS	Hour, Morning	Hour, Afternoon	Hour, Evening	Total Number of Clear Days	Number of Days Partly Cloudy	Percentage of Possible Sunshine	Prevailing Direction	Average Hourly Velocity
Cairo	88	71	77	13	8	45	12	13
Louisville	84	69	79	6	4	38	8	13
Lexington	84	65	74	5	4	36	6	10
Bowling Green	87	74	81	10	6	48	8	12
Jackson	84	72	79	7	4	41	7	12

COMPARATIVE DATA FOR JANUARY.

Year	Mean	Departure from normal	Highest	Lowest	Greatest daily range	Total for the month	Departure from normal	No. of days with .01 inch or more	Clear	Partly cloudy	Cloudy	Average velocity of wind
Mean,	35.4	.....	84	-2	4.05	.....	.....	9	11	9	11	14
1932	44.9	.....	84	-2	4.05	.....	.....	9	11	9	11	14
1931	34.0	-2.9	72	16	3.52	-0.83	.....	.....	.....	.....	.....	.....
1930	31.0	-5.9	77	16	6.43	-2.08	.....	.....	.....	.....	.....	.....
1929	38.3	-1.6	78	18	.....	-0.43	.....	.....	.....	.....	.....	.....
1928	36.9	-3.1	74	13	.....	-1.84	.....	.....	.....	.....	.....	.....
1927	36.6	-3.4	74	11	3.72	-1.63	.....	.....	.....	.....	.....	.....
1926	39.0	-1.0	74	16	3.71	+1.36	11	8	12	11	.....	.....
1925	41.1	+1.1	78	16	1.25	+3.10	4	7	7	17	.....	.....
1924	37.4	-2.6	74	16	.....	-1.19	11	8	12	11	.....	.....
1923	34.4	-5.6	72	16	.....	-1.44	.....	4	.....	.....	.....	.....
1922	41.0	+1.0	78	18	.....	+1.87	12	8	11	8	.....	.....
1921	34.4	-5.6	72	16	.....	-1.55	12	.....	.....	.....	.....	.....
1920	36.2	-1.8	75	16	.....	-2.50	12	.....	.....	.....	.....	.....
1919	.....	.....	.....	.....	.....	.....	11	.....	.....	.....	.....	.....
1918	.....	.....	.....	.....	.....	.....	11	.....	.....	.....	.....	.....
1917	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1916	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....
1915	.....	.....	.....	.....	.....	.....	6	.....	.....	.....	.....	.....
1914	.....	.....	.....	.....	.....	.....	11	.....	.....	.....	.....	.....
1913	.....	.....	.....	.....	.....	.....	13	.....	.....	.....	.....	.....
1912	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1911	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1910	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1909	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1908	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1907	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1906	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1905	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1904	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1903	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1902	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1901	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1900	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1899	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1898	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1897	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1896	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1895	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1894	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1893	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1892	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1891	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1890	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....
1889	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....

Climatological Data for January, 1932.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, degrees Fahr.							Precipitation in inches			Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	28	43.8	+ 8.2	71	15	14	25	85	10.90	+6.63	2.20	0	13	14	4	13	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	457	28	44.4	+ 7.7	68	13†	19	31	26	10.09	+5.21	2.05	T.	14	9	5	17	nw.	W. A. Taylor.
Earlington	Hopkins	420	42	44.4	+ 8.3	69	14	18	31	27	10.13	+5.16	3.19	T.	13	14	1	16	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	3	.....	.....	.....	.....	.....	.....	.....	9.18	.....	2.00	1.0	18	.....	.....	.....	.....	W. D. Hatcher.
Greenville	Muhlenburg	519	15	43.2	+ 7.6	71	14	16	31	32	12.04	+7.50	2.52	0.5	14	16	1	14	w.	C. R. Lovell.
Henderson	Henderson	382	18	42.7	.....	67	14	16	31	35	8.24	+4.88	1.62	T.	16	11	5	15	so.	Richard Stites
Hopkinsville	Christian	524	36	45.4	+ 7.9	72	14	19	31	30	12.07	+7.78	2.93	T.	16	11	5	15	se.	W. E. Graves.
Lovelaceville	Ballard	.....	3	44.2	.....	68	14†	20	30§	35	8.92	.....	1.50	T.	11	14	3	14	s.	Blaine Malone.
Marion	Crittenden	364	23	45.0	+ 8.4	69	14†	20	30	30	10.68	+6.65	2.88	0	10	13	2	16	se.	R. C. Paris.
Mayfield	Graves	412	6	43.6	.....	73	14	18	31	38	11.57	.....	2.63	0	11	11	7	13	s.	Harry B. Arnold
Murray	Calloway	479	35	42.1	+ 7.2	66	14	16	31	23	8.62	+4.59	1.44	0	14	13	2	16	s.	Henry S. Berry.
Owensboro	Daviess	.....	4	.....	.....	.....	.....	.....	.....	.....	9.34	.....	2.69	1.0	16	.....	.....	.....	.....	George McGlemary.
Owensboro, Dam 46	Daviess	404	4	.....	.....	.....	.....	.....	.....	.....	9.74	+4.58	1.68	0	14	14	3	14	nw	J. W. Lilley
Paducah (near)	McCracken	316	15	44.4	+ 8.5	69	15	19	31	28	8.09	+3.54	1.96	T.	15	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	43	.....	.....	.....	.....	.....	.....	.....	10.30	+6.03	2.62	0.5	12	11	6	14	s.	Dr. W. L. Cash.
Paducah	McCracken	529	25	43.3	+ 7.7	68	13	20	31	31	10.39	+6.03	2.45	T.	15	.....	.....	.....	.....	Thos. L. Wetzell.
Princeton	Caldwell	384	15	.....	.....	.....	.....	.....	.....	.....	9.56	+6.05	2.45	0	14	8	5	18	s.	Wm. Shelton.
Rumsey, Lock 2	McLean	390	21	42.4	+ 6.9	70*	14	19*	31	30*	12.71	+7.53	2.94	0	14	.....	.....	.....	.....	Earl Holder.
Russellville	Logan	590	21	.....	.....	.....	.....	.....	.....	.....	8.25	.....	2.05	0.5	17	.....	.....	.....	.....	.....
Uniontown, Dam 45	Union	357	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. L. Moore.
Central Division.																				
Addison, Dam 45	Breckinridge	352	4	.....	.....	.....	.....	.....	.....	.....	8.90	.....	2.46	0	15	.....	.....	.....	.....	C. E. Barret.
Anchorage	Jefferson	709	31	41.5	+ 8.7	68	13	15	31	30	7.19	+3.14	1.30	T.	13	15	3	13	se.	C. E. Barret.
Bardstown	Nelson	637	35	44.0	+ 8.7	70	13	16	31	29	10.35	+5.63	1.80	0	16	15	3	13	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	580	43	45.1	+ 8.1	72	14	20	31	34	10.47	+5.56	2.60	0	14	10	8	13	w.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	492	7	.....	.....	.....	.....	.....	.....	.....	9.95	.....	2.28	0	14	.....	.....	.....	.....	T. Bone.
Brownsville, Lock 6	Edmonson	419	15	.....	.....	.....	.....	.....	.....	.....	11.50	+5.80	3.02	0	14	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	41	.....	.....	.....	.....	.....	.....	.....	7.28	+2.38	2.60	0	12	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	33	.....	.....	.....	.....	.....	.....	.....	6.68	+3.08	0.83	0	11	.....	.....	.....	.....	Shelby Angel.
Cold Spring, Dam 36	Campbell	489	6	.....	.....	.....	.....	.....	.....	.....	5.79	.....	1.05	0	15	.....	.....	.....	.....	Reuben Hartley.
Big Dam, Burgin	Mercer	770	8	43.6	.....	71	13†	20	10†	32	8.61	+4.14	1.69	0	15	9	1	21	sw.	C. W. Williams.
Eubank	Pulaski	1177	38	44.2	+ 9.2	72	14	17	10	30	8.11	+3.07	1.65	0	14	10	5	16	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	40	43.9	+ 7.9	70	13	18	31	33	10.47	+6.01	4.10	0	15	13	9	9	s.	Sidney Wood.
Franklin	Simpson	691	37	42.8	+ 4.2	66	14	21	31	25	6.68	+2.57	1.20	0	15	.....	.....	.....	.....	M. E. Johnson.
Frost, Lock 3	Henry	449	21	.....	.....	.....	.....	.....	.....	.....	5.76	.....	1.20	0	15	.....	.....	.....	.....	Louis Shiddell.
Grant, Dam 38	Boone	780	7	.....	.....	.....	.....	.....	.....	.....	11.17	−6.37	3.76	0	17	6	3	23	se.	H. W. Sprague.
Greensburg	Green	581	39	44.6	+ 9.9	73	14	18	10†	36	8.45	+4.06	1.52	0	16	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	550	30	.....	.....	.....	.....	.....	.....	.....	9.07	+4.61	1.75	T.	14	13	6	12	sw.	Miss Ruby L. Simpson.
Lexington	Breckinridge	946	31	44.2	+ 8.6	68	14†	18	31	27	8.25	.....	2.60	0	15	.....	.....	.....	.....	W. J. Piggott.
Lancaster	Garrard	1032	6	.....	.....	.....	.....	.....	.....	.....	11.07	+6.42	2.66	0	15	9	9	13	ss.	John Anderson.
Leitchfield	Grayson	635	36	43.2	+ 8.2	68	13	18	31	24	8.46	+4.28	1.92	0-1	14	6	10	15	sw.	H. H. Willis.
Lexington	Fayette	980	38	42.8	+ 9.9	68	14	17	31	30	7.84	+3.16	1.60	0	15	.....	.....	.....	.....	U. S. Weather Bureau.
Louisville, Bureau*	Jessamine	524	21	.....	.....	.....	.....	.....	.....	.....	6.49	+2.16	1.20	0	12	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	22	.....	.....	.....	.....	.....	.....	.....	6.54	+2.54	1.13	T.	14	5	9	17	s.	Frank Litch.
Loretto	Jefferson	525	59	43.3	+ 8.9	69	14	18	31	29	10.76	.....	2.80	0	14	.....	.....	.....	.....	U. S. Weather Bureau.
Mountjoy	Hart	690	9	.....	.....	.....	.....	.....	.....	.....	10.15	+5.59	2.70	0	12	15	6	10	.....	A. G. Hubbard.
Mundordville	Hardin	777	36	43.0	+ 9.2	68	14	16	31	33	11.02	+6.66	2.60	0	13	.....	.....	.....	.....	Sister of Loretto.
St. Joseph	Mercer	996	18	.....	.....	.....	.....	.....	.....	.....	7.68	+3.42	1.67	0	17	11	1	19	ew.	Ernest M. Searcy.
Salvisa, Lock 6	Mercer	825	43	42.0	+ 9.8	70	13	17	31	24	9.88	+4.92	2.68	T	19	10	6	15	w.	Miss Ruth Ruth.
Shelbyville	Shelby	489	30	43.2	+ 9.0	66	13†	19	31	31	10.36	+5.55	1.55	0	13	.....	.....	.....	.....	E. D. Bourne.
Taylorsville	Spencer	526	14	.....	.....	.....	.....	.....	.....	.....	6.81	+2.18	1.02	0	19	10	11	10	w.	H. K. Vaughn.
Tyrone, Lock 5	Anderson	945	29	42.4	+ 10.0	69	13	14	31	27	12.94	+7.86	2.88	0	14	.....	.....	.....	.....	Miss Nettie B. Simpson.
Williamstown	Grant	833	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. J. Lewis.
Woodbury, Lock 4	Butler	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.59	.....	1.88	T.	13	5	8	18	sw.	W. A. Worthington.
Eastern Division.																				
Annville	Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.15	+1.77	1.55	0	15	7	3	21	w.	Jacob Armbruster.
Ashland	Boyd	534	15	45.6	+ 10.4	76	14	20	31	38	6.87	−2.93	2.26	T.	12	4	6	21	w.	Robert S. Smallwood.
Beattyville	Lee	650	28	45.0	+ 10.1	75	14	18	31	37	8.21	+3.45	2.88	T.	16	13	2	16	w.	Chas. C. Graham.
Berea	Madison	1070	27	45.2	+ 8.9	73	14	19	10†	30	7.38	+2.57	2.05	T.	14	.....	.....	.....	.....	Kelly Walden
Carlisle	Nicholas	791	22	.....	.....	.....	.....	.....	.....	.....	8.08	+3.35	1.25	0	14	.....	.....	.....	.....	P. H. Kelsoe.
Cedar Hill, Lock 11	Harrison	684	14	.....	.....	.....	.....	.....	.....	.....	6.19	+2.51	1.01	0	15	.....	.....	.....	.....	J. V. Oldham.
Cynthiana	Pendleton	690	43	.....	.....	.....	.....	.....	.....	.....	8.54	+4.35	1.48	0	13	8	8	20	e.	Mrs. R. F. Stamper.
Falmouth	Boone	668	24	45.6	+ 10.8	76	13†	20	19	36	6.54	+2.54	1.13	T.	14	5	9	17	s.	C. A. Glascock
Farmers	Rowan	841	7	.....	.....	.....	.....	.....	.....	.....	7.92	.....	1.50	0	12	.....	.....	.....	.....	John A. Walters.
Flemingsburg	Fleming	780	15	.....	.....	.....	.....	.....	.....	.....	6.86	−2.38	1.48	0	14	.....	.....	.....	.....	Col. Frank Powers.
Ford, Lock 10	Clark	765	16	.....	.....	.....	.....	.....	.....	.....	5.25	.....	1.25	0	9	.....	.....	.....	.....	T. Mitchell.
Grayson	Carter	585	7	.....	.....	.....	.....	.....	.....	.....	5.29	+1.51	1.20	0	15	.....	.....	.....	.....	W. W. Bonfield.
Greenup, Dam 30	Greenup	540	12	.....	.....	.....	.....	.....	.....	.....	6.27	.....	3.20	0	13	12	4	15	sw.	Chas. O. Burig.
Harlan	Harlan	1197	4	47.6	.....	74	13†	19	31	45	4.49	.....	2.23	T.	11	.....	.....	.....	.....	S. C. Cole.
Hazard	Perry	869	8	.....	.....	.....	.....	.....	.....	.....	6.48	+1.69	2.10	0	11	.....	.....	.....	.....	R. B. Davidson.
Heidelberg, Lock 14	Lee	664	15	.....	.....	.....	.....	.....	.....	.....	4.49	.....	1.02	0	10	.....	.....	.....	.....	Russian Copley.
Jonesboro	Letcher	1566	7	.....	.....	.....	.....	.....	.....	.....	6.23	+2.94	1.68	0	13	.....	.....	.....	.....	Jennett H. Wilde.
Louisa	Lawrence	584	28	.....	.....	.....	.....	.....	.....	.....	6.05	+2.06	1.80	0	12	.....	.....	.....	.....	Perry E. Bennett
Manchester	Clay	.....	12	.....	.....	.....	.....	.....	.....	.....	7.38	+3.00	1.13	0	16	6	6	19	sw.	Matthew Woodson
Maysville	Mason	521	35	44.4	+ 11.5	72	14	18	31	37	6.12	−1.37	1.68	0	10	7	22	2	s.	W. R. McKee.
Middlesboro	Bell	978	35	47.2	+ 10.7	76*	14	18*	31	28*	8.15	+3.76	2.70	0	12	13	2	16	nw.	Otto Riddle.
Mount Sterling	Montgomery	930	42	41.8	+ 8.8	72	14	14	31	31	4.75	+1.2	0.77	0	13	.....	.....	.....	.....	Robert Reposs
Owenton, Dam 35	Campbell	497	3	.....	.....	.....	.....	.....	.....	.....	4.66	+0.58	2.05	0	9	.....	.....	.....	.....	E. W. Summerfield.
Paintsville	Pike	656	26	.....	.....	.....	.....	.....	.....	.....	4.86	.....	1.38	0	13	15	4	12	.....	F. C. Hall.
Pineville	Knox	1035	.....	48.0	.....	79	13	21	31	40	4.73	.....	1.52	0	11	.....	.....	.....	.....	R. W. Jones.
Prestonsburg	Floyd	640	7	.....	.....	.....	.....	.....	.....	.....	5.93	.....	2.10	0	10	.....	.....	.....	.....	Walter D. Bush.
Somerset	Pulaski	792	6	46.2	.....	78	14	20	20†	45	7.17	+3.21	1.88	0	13	.....	.....	.....	.....	J. W. Crooke.
Tompkinsville, Lock 12	Estill	651	14	.....	.....	.....	.....	.....	.....	.....	8.12	+3.61	2.10	0	14	11	6	20	.....	Chas. Sullivan.
Tompkinsville	Monroe	820	41	44.8	+ 10.5	75	15	19	31	25	7.58	+2.58	1.90	0	11	.....	.....	.....	.....	H. A. Fannin.
Tyner, Lock 9	Madison	541	19	.....	.....	.....	.....	.....	.....	.....	7.21	+3.2*	1.15	0	15	.....	.....	.....	.....	C. H. Zimmerman.
Wilmore	Jessamine	925	17	.....	.....	.....	.....	.....	.....	.....	4.21	.....	1.93	0	11	.....	.....	.....	.....	H. F. Davis.
Winchester	Clark	1132	7	.....	.....	.....	.....	.....	.....	.....	5.43	+0.44	1.78	0	11	14	8	9	.....	Jessie Hicks.
Worthington	Greenup	605	35	47.6	+ 9.4	80	13	21	31	43	6.80	+2.88	1.90	0	14	.....	.....	.....	.....	
Wyatt, Lock 14	Lee	811	16	.....	.....	.....	.....	.....	.....	.....	8.13	−3.78	4.10	0.4	14	11	5	15	s.	
State averages and extremes		.....	.....	44.0	+ 9.5	80	13	14	21	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	

All temperature data are taken from self-registering instruments.

The departures from normal in temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determination of division means.

Stations, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River and its tributaries.

Hodgepodge letters, e. g., appearing after dates indicate number of days missing; for example, h represents two days, etc. §Lone Oak.

Hodgepodge letters, e. g., appearing after dates indicate number of days missing; for example, h represents two days, etc. T Precipitation is less than 0.01 inch rain or melted snow.

* Also on other dates. † Received too late to be included in means and summaries. ‡ Sept. Independence, Ky.

* Post-Office at Bureau. Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

Dam 44, Gallatin, Ky.

MISCELLANEOUS.

Jan. 12.—A high wind caused minor damage to windows, roofs, and wiring systems at Louisville and Standiford.

Jan. 26.—A high wind, with some hail, caused some damage to roofs at Louisville.

Jan. 28.—A high wind, with some hail, caused some damage to roofs at Louisville. Lightning struck a residence with a loss of $50.00.

Floods.—All streams of the State were at or near flood stage on the 30th or 31st. The Kentucky reached crests of 36.5 feet at Beattyville, 29.5 feet at High Bridge, and 2 feet at Frankfort. The upper Cumberland and upper Green were somewhat above flood, while the Big Sandy and Licking crested slightly under flood stages. In the Evansville district from Dam 47 to Dam 50, the Ohio was slightly above flood stage

Daily Precipitation for January, 1932.

Stations		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																	
Beaver Dam	G	.05	..	.10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Charleston	G	T	..	..	..	.67	..	..	..	T.	..	..	1.75	.72	00.2	..	.04	..	..	..	.04	..	..	..	..	..	..	..	..	..	..	..	..
Farmington	G	.10	..	..	..	.46	..	..	..	..	..	..	2.20	.50	1.43	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fords Ferry, Dam 50	O	.15	.05	T.	..	.50	..	..	T	..	..	..	.01	.00	..	2.05	..	..	..	..	..	..	..	.01	..	..	..	..	..	..	..	..	..	..
Greenville	G	.02	..	..	..	.20	.05	..	..	..	..	..	.02	1.25	..	1.50	.45	1.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Henderson	O	.03	..	..	..	.05	.01	..	..	..	..	..	.80	.51	.21	1.20	.00	1.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hopkinsville	C	.06	.01	..	..	.50	.11	..	..	.02	..	..	2.22	.56	4.1	..	.94	.01	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lawrenceville	M	.10	..	..	..	.95	..	..	..	..	..	..	1.40	..	.18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Marion	O	..	..	..	..	..	..	..	..	..	..	..	1.00	..	..	1.0	..	1.59	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mayfield	M	..	..	..	..	.90	..	..	..	..	..	..	..	1.64	.00.2	..	..	.04	.13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Murray	M	.12	T.	..	..	.93	T	..	..	..	..	..	2.00	..	1.2	.00	.58	.07	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Owensboro	O	..	..	..	..	.84	..	..	..	..	..	..	..	.04	1.43	..	.43	.58	1.0	.06	.02	..	..	..	..	..	..	..	..	..	..	..	..	..
Owensboro, Dam 46	O	.18	.14	T	..	.43	.00	..	..	..	..	..	T	2.00	..	1.31	.41	..	.00	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paducah (near) *	O	.05	..	..	..	.95	.04	..	..	..	..	..	1.20	.42	.45	1.0	1.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paducah	O	.06	.05	..	..	.40	.35	..	..	..	..	..	..	1.18	T	1.00	..	1.0	..	.24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Princeton	G	.10	.01	..	..	.84	..	..	I	..	..	..	2.00	..	..	..	..	..	..	..	T	..	..	.02	..	..	..	..	..	..	..	..	..	..
Ramsey, Lock No. 2	O	.09	..	..	..	..	..	..	..	..	..	..	.05	2.45	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Russellville	K	..	..	..	..	.20	1.0	..	..	..	..	..	1.10	..	..	1.12	..	..	..	..	..	..	..	.29	2.99	.05	..	..	..	..	..	..	..	..
Uniontown, Dam 49	O	.12	.07	..	..	.64	..	..	..	..	..	..	.04	1.04	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central Division																																	
Addison, Dam 15	O	.28	.05	..	..	.15	.50	..	..	..	..	..	..	2.40	..	1.11	.34	.68	.02	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anchorage	O	.05	T.	..	..	.04	..	..	..	..	..	..	.41	.60	.11	.20	.46	.30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bagdad	S	.20	..	.02	..	.30	.20	..	..	..	..	..	.12	.46	.20	.30	.20	.40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bowling Green	G	..	.11	..	..	.98	.25	..	..	..	..	..	.30	.18	.13	1.38	.22	.30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bowling Green, No. 2	G	..	.28	..	..	.12	.95	..	..	..	..	..	..	.74	..	.37	.58	T	.30	..	..	..	..	.36	2.25	..	..	..	..	..	..	..	..	..
Brownsville, Lock No. 6	G	.13	.16	..	..	.65	1.14	..	..	..	..	..	..	.07	..	.98	.56	.05	.80	..	..	..	..	.42	2.02	..	..	..	..	..	..	..	..	..
Burnside	C	.44	.14	..	..	..	.36	..	..	..	..	..	..	.30	T	..	..	.24	..	..	..	..	..	..	..	.42	..	..	..	..	..	..	..	..
Carrollton (Lock No. 1)	K	..	..	..	..	..	..	..	..	..	..	..	.52	..	..	.83	.81	.40	.07	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coal Spring, Dam 36	O	.27	.14	T	..	.08	.18	..	..	..	..	..	..	.40	..	1.0	.27	.17	.48	..	..	..	..	.57	..	.21	..	..	T	.47	..	.07	.62	..
Dix Dam, Burgin	K	.09	.04	..	..	1.0	..	..	..	..	..	..	.25	..	.08	.16	.16	.26	..	..	..	..	..	.29	1.08	.74	..	..	..	..	..	..	..	..
Eubank	C	..	.55	..	..	..	1.30	..	..	..	..	..	..	..	..	.34	..	.09	..	..	..	..	..	..	1.19	1.21	..	..	..	..	..	..	..	..
Frankfort	K	.14	.02	T.	..	.90	T.	..	..	..	..	..	..	.31	..	1.45	.38	.55	.51	..	..	..	..	..	1.17	.44	..	T.	..	..	..	..	..	..
Franklin	G	.10	.04	..	..	.40	..	..	..	..	..	..	.30	.56	.04	.80	..	..	..	..	..	..	..	.38	1.74	..	..	..	..	..	..	..	..	..
Gest, Lock No. 3	K	.15	.02	F.	..	.78	..	..	..	..	..	..	..	.46	..	1.35	.07	.58	..	..	..	..	..	.28	.55	..	..	..	..	.61	..	..	..	..
Grant, Dam 38	O	.20	.07	..	..	.03	.07	..	..	..	..	..	..	.50	..	1.20	.05	.18	..	..	..	..	..	1.00	.41	..	..	T	..	..	.04	.57	..	..
Greensburg	C	.06	.06	..	..	.61	.05	..	..	..	..	..	.03	.22	.15	1.45	.20	.05	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
High Bridge, Lock No. 7	K	.28	.04	.02	..	..	.07	..	..	..	..	..	..	..	..	..	.80	.85	.36	.10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Irvington	O	.12	..	..	..	.49	I	..	T.	..	..	..	1.75	.12	..	1.18	1.05	.01	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lagonda	K	.06	..	..	..	.82	..	..	..	..	..	..	..	.25	..	.52	.32	.12	.30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Leitchfield	G	T.	T	..	..	.87	.10	..	..	..	..	..	1.40	.28	.07	2.60	.60	.02	.02	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lexington ***	K	.41	T	..	..	.71	.04	..	..	..	..	..	.12	..	.15	1.40	.70	.10	.01	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Little Blackman, Lock No. 8	K	.35	.08	T	..	.80	..	..	..	..	..	..	..	..	..	..	.90	.35	.15	.20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lockport, Lock No. 2	K	.10	.10	..	..	.55	..	..	..	..	..	..	.45	..	1.20	.42	.40	..	..	..	..	..	.25	.42	.05	T	..	..	..	..	..	..	..	..
Louisville ***	O	.08	.01	..	..	T	.01	..	T	..	..	..	1.11	..	.12	.81	.55	.00	..	..	..	..	..	T	.54	T	..	.04	.02	T	..	..	..	..
Mumfordville	C	.18	.12	..	..	1	1.05	..	..	..	..	..	..	.48	..	1.05	.41	..	.28	..	..	..	..	.02	.80	.24	..	.05	.42	..	2.02	1.02	..	..
St. John	S	.80	..	..	..	.97	..	..	..	..	..	..	..	.52	..	1.82	2.76	.25	.46	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Savoys, Lock No 6	K	.22	..	..	..	..	1.20	..	..	..	..	..	T	..	..	1.70	..	.80	.80	..	..	..	..	..	..	.12	..	T	..	..	1.10	1.60	..	..
Shelbyville	S	.06	.05	..	..	.54	.45	..	..	..	..	..	.12	..	.07	1.00	.40	.45	.12	..	..	..	..	..	..	..	..	..	.11	.18	..	..	..	..
Taylorsville	S	.22	.11	.01	..	.42	.34	..	T	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.17	.42	.02	..	..	..	..	..	..	..	..
Tyrone, Lock No. 5	K	.05	..	..	..	.96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Williamstown	L	.35	.11	..	..	.46	.41	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Woodbury, Lock No. 4	G	.08	.04	T	..	.10	1.17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eastern Division																																	
Annville	C	.57	.09	.06	..	..	.82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ashland	O	.35	.15	.01	..	..	.02	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beattyville	K	.34	.01	.01	T	..	..	T.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Berea	K	.30	.01	..	..	.97	.35	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
College Hill, Lock No. 11	K	.30	.08	..	T	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cynthiana	L	.32	..	..	..	..	.82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Falmouth	L	.34	.01	..	..	..	.20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Farmers	L	.24	.46	..	..	..	.72	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flemingsburg	L	.47	..	..	..	.88	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ford, Lock No. 10	K	.27	.09	T	..	..	.04	T	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grayson	O	..	..	..	..	.40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greenup, Dam 30	O	.18	.05	.01	..	..	.07	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Harlan	C	..	.20	.08	..	..	.28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hazard	K	.24	.07	.18	..	..	.24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Heidelberg, Lock No. 14	K	.06	..	..	..	..	.52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Jenkins	K	.25	..	..	..	..	.10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Louisa	B	.22	.31	.02	..	..	.40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manchester	K	.26	.18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	O	.16	.28	.01	..	..	.66	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Middlesboro	C	.44	..	..	.22	..	.01	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mount Sterling	L	T	.45	..	..	.56	.48	..	..	..	..	..	T.	.40	T	1.10	.20	.03	.11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Owenita Dam 35	O	..	.07	T.	..	1	.40	.03	..	..	..	..	..	.20	..	..	.03	.20	..	..	..	..	T	..	..	..	..	..	..	..	..	..	..	..
Pikeville	B	.15	.12	..	..	..	.45	T	..	T	..	..	..	T	..	..	.20	..	..	T	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pippapass	K	.24	..	..	..	..	.24	..	..	..	..	..	.01	.10	..	..	..	..	..	.20	..	..	..	.11	.26	..	..	..	..	..	..	..	..	..
Pittsburg	B	.30	.24	.02	..	..	.32	T	..	..	..	..	..	.12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	T	..	..	..	..	..
Quicksand	K	.28	..	..	..	..	..	..	..	..	..	..	..	..	T	..	.11	..	..	..	..	..	..	..	.75	.50	.30	..	..	1.07	..	2.10	..	..
Ravenna, Lock No. 12	K	.32	.12	T	..	.05	..	..	..	..	..	..	..	.40	..	..	3.40	T	.20	..	..	..	..	..	..	..	..	..	T	.30	T	..	..	..
Richmond	K	.25	.15	..	..	..	..	T	..	..	..	..	..	.20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Valley View, Lock No. 9	K	..	..	..	..	1.07	..	..	..	..	..	..	..	.52	..	.72	.10	.47	.24	..	..	..	..	1.45	..	..	..	..	..	..	..	..	..	..
Vanceburg, Dam No. 32	O	.28	.28	.28	..	..	.74	..	..	..	..	..	..	.30	..	.58	.48	.10	.22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitesburg	K	.29	.33	..	..	..	.62	..	..	..	..	..	..	.34	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Williamsburg	C	.35	.05	..	..	..	.90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Willow, Lock No. 13	K	.10	.06	..	..	..	.29	..	..	..	..	..	..	.10	..	..	..	..	..	..	..	..	..	..	..	.20	.80	..	..	..	..	..	..	..

Except as otherwise indicated observations are generally taken at [illegible] time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24 hours period, midnight to midnight.

* Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation measured in the forenoon following great amount.

‡ Separate dates of falls not recorded. T. Trace, or less than .005 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

§ Lone Oak

from the 14th to 21st, and again rose above that mark in the same section on the 26th and 27th. It was rising in all sections at the end of the month, but the floods in tributary streams were subsiding.

Errata.

December, 1931: Dix Dam, total precipitation, pages 47 and 47, should be 6.26

Daily Temperatures for January, 1932.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	54	43	40	48	51	57	52	53	44	45	55	56	69	70	71	67	63	55	60	56	65	62	54	45	59	56	61	67	41	40	54	
	Minimum	38	38	36	25	39	43	24	23	25	26	25	26	42	49	44	39	38	32	24	22	43	48	41	30	34	35	30	36	37	22	18	33.2
Calhoun	Maximum	54	43	50	46	54	59	50	52	47	43	55	55	68	67	68	64	63	53	59	53	63	61	53	42	54	53	63	54	39	60	36	52.9
	Minimum	39	39	36	30	40	42	27	26	25	25	29	45	51	52	42	38	43	29	29	35	43	47	42	31	27	37	34	41	34	22	19	35.6
Earlington	Maximum	52	47	48	45	55	56	49	50	47	44	58	58	68	69	67	59	63	55	63	58	64	66	52	42	56	53	63	62	31	58	31	54.0
	Minimum	46	40	37	27	40	46	25	24	25	23	25	28	52	49	49	38	50	32	24	33	48	47	48	31	22	37	33	37	37	22	18	35.7
Greenville	Maximum	51	43	49	44	52	58	52	51	45	45	60	63	69	71	65	59	63	50	49	57	64	60	53	44	46	52	54	61	63	37	28	53.2
	Minimum	37	38	35	29	39	42	21	22	23	18	23	44	50	46	40	38	48	31	22	30	44	47	41	32	20	31	28	36	36	21	16	33.2
Henderson	Maximum	51	43	50	43	56	58	50	52	44	44	52	57	66	67	66	60	61	51	46	51	62	60	54	40	45	52	53	61	58	33	35	51.8
	Minimum	38	39	34	30	39	38	28	28	28	23	25	43	51	50	39	37	45	34	34	33	44	45	40	29	25	36	33	38	33	20	16	34.6
Hopkinsville	Maximum	55	46	53	48	58	58	52	51	46	45	52	58	71	75	67	65	63	55	55	52	63	66	52	43	54	56	61	64	56	41	36	54.6
	Minimum	38	38	37	30	42	41	25	25	26	23	29	44	50	48	42	39	46	32	24	31	39	50	43	31	23	37	31	39	36	23	19	35.0
Lewisville	Maximum	58	44	52	48	57	58	51	52	43	47	56	57	67	68	68	67	63	58	52	60	64	61	56	42	45	49	54	60	55	58	42	54.4
	Minimum	38	39	28	28	41	40	23	23	24	22	28	45	50	49	42	37	55	39	24	31	55	45	40	28	23	26	28	37	32	20	20	34.0
Marion	Maximum	58	50	46	50	53	58	49	51	50	48	54	57	65	66	68	69	63	56	48	56	61	65	60	48	51	53	51	61	56	46	53	55.5
	Minimum	40	38	35	30	40	40	30	30	30	23	30	45	50	50	46	38	48	37	31	27	38	47	45	32	25	35	32	41	32	26	18	35.5
Mayfield	Maximum	64	49	52	51	56	59	52	52	48	46	57	64	67	69	69	61	64	54	52	59	63	64	54	44	44	49	54	58	59	36	42	55.1
	Minimum	39	39	29	32	41	40	25	27	24	24	29	43	41	54	47	37	47	34	32	33	44	46	40	29	29	25	30	40	1	26	31	35.0
Murray	Maximum	59	43	53	45	56	60	53	53	46	47	61	60	71	73	68	66	64	52	55	61	67	66	56	43	45	53	57	66	65	36	46	54.8
	Minimum	35	38	28	25	42	36	22	23	22	24	23	46	50	43	41	40	44	30	22	25	43	51	46	33	24	34	36	36	33	21	18	32.4
Owensboro	Maximum	53	47	48	48	57	58	57	58	47	44	59	57	66	66	64	62	63	57	57	57	65	65	59	44	46	52	59	59	60	57	51	55.4
	Minimum	35	38	34	28	38	42	25	24	24	21	27	42	47	47	38	36	46	33	29	31	46	47	39	28	23	35	29	28	35	15	15	33.0
Paducah (near)	Maximum	56	44	50	48	56	58	52	54	49	46	57	67	67	69	67	63	63	56	59	60	67	66	59	48	50	54	56	58	59	34	42	56.7
	Minimum	38	38	30	26	40	40	27	28	23	25	30	46	49	55	41	37	46	33	28	35	47	51	40	29	25	36	32	40	32	20	16	35.1
Princeton	Maximum	52	48	47	45	55	58	47	48	48	42	54	57	65	66	67	67	59	52	48	56	61	65	60	52	41	45	53	61	63	52	46	53.5
	Minimum	36	38	28	30	40	40	30	30	30	23	30	45	50	50	46	38	48	37	31	27	38	47	45	32	25	35	32	41	32	26	18	35.5
Russellville§§	Maximum	62	48	49	49	61	61	57	57	52	50	54	62	53	61	62	76	62	64	63	62	67	68	57	57	57	61	64	64	61	44	52	58.1
	Minimum	36	38	37	26	39	41	25	24	27	20	23	39	51	47	36	41	41	32	28	28	33	40	51	31	22	30	35	45	28	19	19	34.8
Central Division.																																	
Anchorage	Maximum	52	46	44	42	51	56	50	48	39	40	50	62	68	65	66	53	64	51	53	53	61	58	56	46	48	51	42	53	64	34	40	51.8
	Minimum	38	38	28	22	38	40	22	21	24	17	21	33	39	41	40	36	44	32	20	25	36	48	44	31	26	31	33	34	31	18	15	31.2
Bardstown	Maximum	60	42	46	44	54	58	50	48	36	42	55	61	69	68	68	52	64	53	48	57	65	60	50	49	47	51	53	61	65	40	38	53.9
	Minimum	36	38	35	24	37	43	25	24	26	18	28	36	51	47	36	38	43	32	23	25	36	52	48	32	23	33	35	33	33	23	16	34.2
Bowling Green	Maximum	54	46	46	45	53	56	48	47	42	43	56	64	71	72	69	56	65	51	49	55	64	60	51	48	50	54	56	63	61	39	40	54.2
	Minimum	39	38	36	26	40	47	28	27	30	21	32	37	48	48	43	40	45	36	28	28	48	53	48	33	25	35	32	36	40	26	20	36.0
Dix Dam	Maximum	60	42	45	44	54	59	51	48	42	43	56	65	71	73	67	63	66	56	48	59	66	62	55	53	50	58	60	65	61	35	38	55.5
	Minimum	40	39	36	26	40	51	29	30	27	20	29	35	53	41	38	40	39	37	28	27	35	52	54	34	25	32	35	45	38	25	20	36.6
Eubank	Maximum	57	47	45	50	45	61	49	50	47	47	55	60	77	72	68	66	62	50	50	58	65	58	61	56	51	48	55	57	58	43	46	53.1
	Minimum	40	34	34	35	27	46	25	30	29	17	26	31	50	43	36	44	38	32	32	20	24	31	46	45	31	20	26	31	29	25	24	31.2
Frankfort	Maximum	58	42	43	42	53	58	58	58	48	44	57	63	71	70	67	64	66	57	55	61	65	63	57	49	52	51	51	60	65	45	37	54.2
	Minimum	39	38	35	24	35	38	25	25	24	19	23	29	52	36	40	36	36	31	22	26	35	54	51	33	25	31	32	33	47	24	18	33.6
Franklin	Maximum	42	42	40	43	51	54	42	39	38	37	46	62	62	66	63	62	62	50	41	46	65	58	57	45	40	51	58	60	59	41	33	49.6
	Minimum	40	38	38	20	42	45	27	27	29	23	27	42	51	52	44	43	48	32	25	32	43	53	45	33	24	37	33	38	33	21	21	36.0
Greensburg	Maximum	60	42	45	47	56	55	49	52	44	40	56	65	75	73	68	66	67	56	51	59	66	66	62	54	47	54	55	60	65	46	38	57.1
	Minimum	39	37	36	23	35	47	27	25	25	18	23	31	50	41	36	42	38	32	27	29	36	49	52	29	23	33	30	32	33	24	16	33.8
Irvington	Maximum	70	42	54	53	57	57	58	47	41	42	63	69	67	68	68	65	69	67	58	59	68	66	61	45	52	51	60	59	66	36	35	57.8
	Minimum	40	38	36	29	40	44	29	26	27	24	31	45	52	52	50	38	49	38	26	34	48	54	41	31	21	36	36	41	36	22	18	36.7
Litchfield	Maximum	51	41	42	41	51	51	47	48	41	39	50	58	68	66	67	60	66	56	47	55	63	60	56	46	45	50	52	57	62	40	35	51.1
	Minimum	39	37	36	26	38	43	27	26	26	21	27	43	51	51	43	40	47	35	25	30	43	51	46	30	25	35	31	34	40	23	18	35.2
Lexington	Maximum	54	40	38	50	51	56	46	48	38	36	51	65	67	68	68	63	68	58	53	58	65	61	56	48	42	50	48	58	63	34	31	50.9
	Minimum	38	38	36	32	39	42	32	33	33	29	33	42	55	54	50	46	51	41	37	37	44	52	51	38	27	37	36	32	33	32	24	37.6
Louisville	Maximum	51	41	44	43	53	55	47	46	35	39	51	63	66	69	68	65	69	64	46	45	58	62	58	56	59	45	52	48	60	62	32	51.1
	Minimum	39	37	35	30	39	37	33	30	26	25	30	42	52	56	34	38	45	33	30	37	45	46	39	29	28	35	31	34	34	21	18	35.5
St Joseph	Maximum	55	41	46	42	55	52	48	46	35	41	51	60	66	68	65	65	62	51	45	54	57	62	57	48	41	50	50	58	60	62	37	52.9
	Minimum	38	38	34	25	40	38	25	24	27	25	27	38	51	46	45	37	44	31	27	24	35	47	47	30	22	32	33	34	34	20	22	34.0
Shelbyville	Maximum	56	45	46	45	51	56	49	50	41	39	50	61	69	66	68	63	64	62	49	54	59	60	59	45	46	53	53	57	63	45	34	51.6
	Minimum	39	37	34	27	36	42	27	26	27	20	27	36	50	47	43	36	43	32	24	33	49	50	47	33	24	33	32	36	40	22	17	34.2
Taylorsville	Maximum	59	43	42	44	54	57	49	46	44	37	50	60	66	66	66	62	62	52	48	53	62	61	58	51	45	51	51	59	61	43	33	51.9
	Minimum	43	38	36	24	38	47	26	24	27	26	28	32	51	49	45	39	44	34	30	34	48	50	47	33	26	35	32	36	38	22	15	34.6
Williamstown	Maximum	55	42	42	43	50	56	50	48	41	40	51	62	69	69	66	65	61	52	45	57	61	62	56	52	48	57	59	66	65	45	34	53.6
	Minimum	39	35	33	24	34	41	26	26	26	20	24	33	49	50	43	34	39	32	32	31	43	50	45	31	24	33	32	34	31	20	16	33.3
Eastern Division.																																	
Ashland	Maximum	59	58	42	45	52	61	59	43	42	48	42	61	72	76	66	67	65	65	44	55	67	62	54	61	45	45	47	51	57	57	39	54.7
	Minimum	45	37	35	30	36	47	31	30	27	24	30	52	52	49	47	46	50	45	30	38	43	49	50	41	35	39	38	42	48	32	28	39.6
Beattyville	Maximum	55	48	41	48	53	65	49	51	41	42	57	65	73	75	66	58	72	66	49	59	67	59	51	55	46	49	52	58	53	49	35	56.0
	Minimum	43	38	36	21	39	49	31	33	24	25	28	54	48	55	44	45	46	37	30	30	41	45	46	33	24	29	34	36	32	32	27	38.0
Carter	Maximum	58	40	40	47	51	63	49	47	40	40	55	65	71	74	70	60	66	57	43	55	65	61	61	62	45	49	52	60	62	45	35	54.3
	Minimum	36	37	31	25	37	47	31	30	26	19	25	45	52	57	45	42	49	37	23	32	46	53	52	38	24	33	32	32	45	32	27	37.2
Farmers	Maximum	59	48	42	46	54	65	57	54	49	44	53	65	75	76	70	67	70	67	49	59	67	62	62	62	52	52	54	60	66	55	39	57.7
	Minimum	41	39	36	25	36	48	28	27	22	23	28	37	47	47	35	32	40	30	27	30	43	47	45	32	24	29	27	30	34	27	21	33.5
Harlan	Maximum	62	48	46	57	66	66	55	54	50	48	60	66	74	72	72	72	72	70	58	58	64	68	68	60	54	54	57	58	65	65	61	59.5
	Minimum	45	38	37	26	37	46	37	40	23	29	26	37	56	44	50	38	50	40	34	24	38	42	48	38	25	33	36	34	32	31	27	35.7
Maysville	Maximum	60	46	44	46	52	61	54	48	45	40	55	54	72	72	66	62	66	58	55	55	63	60	62	55	47	57	56	57	65	61	39	54.3
	Minimum	42	38	36	24	38	46	35	36	25	24	28	37	47	46	38	36	44	35	23	30	44	46	46	34	26	37	34	36	37	25	18	34.6
Maysville	Maximum	58	46	46	50	55	63	57	52	47	41	53	62	69	70	69	69	66	67	57	58	63	66	62	58	47	56	55	59	64	46	36	57.0
	Minimum	42	36	36	29	36	50	34	40	27	29	29	39	51	47	41	38	46	36	28	32	46	50	48	36	27	36	36	38	39	27	19	36.8
Morehead	Maximum	56	50	38	43	53	61	56	56	53	52	62	67	72	70	66	62	59	59	50	60	66	63	56	48	49	48	47	53	61	49	28	54.8
	Minimum	44	34	31	22	38	47	24	26	29	17	23	32	44	41	31	36	35	30	30	30	44	52	50	36	25	29	27	32	33	22	14	31.5
Paintsville	Maximum	56	51	45	55	62	63	60	59	49	49	55	66	73	73	72	68	68	66	58	58	71	68	64	60	54	54	56	61	67	54	34	59.4
	Minimum	41	40	36	25	35	49	34	38	33	31	33	43	51	50	47	45	46	42	34	34	47	51	49	37	29	36	36	38	39	29	21	38.4
Olive Hill	Maximum	58	48	45	50	60	68	52	49	43	40	57	65	75	75	68	66	66	64	52	56	67	64	60	52	50	52	54	60	66	48	33	56.9
	Minimum	43	36	34	23	33	46	31	35	27	26	23	37	43	35	35	42	41	35	32	34	37	43	41	30	27	31	34	28	35	28	20	33.4
Raywood	Maximum	59	46	42	44	55	65	54	52	46	43	56	66	75	74	68	65	67	64	53	58	67	64	62	60	49	54	55	59	65	50	36	56.6
	Minimum	43	36	34	22	34	46	31	32	27	26	28	37	48	46	38	36	44	36	28	32	44	48	46	34	26	32	34	34	36	28	20	35.4
Wurtland	Maximum	56	46	42	44	55	63	56	54	49	45	56	66	75	74	68	65	67	64	53	58	67	64	62	60	49	54	55	59	65	50	36	56.6
	Minimum	43	36	34	22	34	46	31	32	27	26	28	37	48	46	38	36	44	36	28	32	44	48	46	34	26	32	34	34	36	28	20	35.4
Youngstown	Maximum	59	46	42	44	55	63	56	54	49	45	56	66	75	74	68	65	67	64	53	58	67	64	62	60	49	54	55	59	65	50	36	56.6
	Minimum	43	36	34	22	34	46	31	32	27	26	28	37	48	46	38	36	44	36	28	32	44	48	46	34	26	32	34	34	36	28	20	35.4
Zaring	Maximum	59	46	42	44	55	63	56	54	49	45	56	66	75	74	68	65	67	64	53	58	67	64	62	60	49	54	55	59	65	50	36	56.6
	Minimum	43	36	34	22	34	46	31	32	27	26	28	37	48	46	38	36	44	36	28	32	44	48	46	34	26	32	34	34	36	28	20	35.4
Zion	Maximum	59	46	42	44	55	63	56	54	49	45	56	66	75	74	68	65	67	64	53	58	67	64	62	60	49	54	55	59	65	50	36	56.6
	Minimum	43	36	34	22	34	46	31	32	27	26	28	37	48	46	38	36	44	36	28	32	44	48	46	34	26	32	34	34	36	28	20	35.4
Zoneland	Maximum	59	46	42	44	55	63	56	54	49	45	56	66	75	74	68	65	67	64	53	58	67	64	62	60	49	54	55	59	65	50	36	56.6
	Minimum	43	36	34	22	34	46	31	32	27	26	28	37	48	46	38	36	44	36	28	32	44	48	46	34	26	32	34	34	36	28	20	35.4
Zoneland	Maximum	59	46	42	44	55	63	56	54	49	45	56	66	75	74	68	65	67	64	53	58	67	64	62	60	49	54	55	59	65	50	36	56.6
	Minimum	43	36	34	22	34	46	31	32	27	26	28	37	48	46	38	36	44	36	28	32	44	48	46	34	26	32	34	34	36	28	20	35.4
Zoneland	Maximum	59	46	42	44	55	63	56	54	49	45	56	66	75	74	68	65	67	64	53	58	67	64	62	60	49	54	55	59	65	50	36	56.6
	Minimum	43	36	34	22	34	46	31	32	27	26	28	37	48	46	38	36	44	36	28	32	44	48	46	34	26	32	34	34	36	28	20	35.4

§ Incomplete record for the month; the maximum temperature on the 31st is changed to the preceding day, as was evidently always occurs
§§ Incomplete record; [illegible] days missing; record for [illegible] days

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVII LOUISVILLE, KY., FEBRUARY, 1932 No. 2

GENERAL SUMMARY.

The average temperature established a new high record for February. In a period of remarkable warmth from the 7th to 12th, inclusive, maximum temperature records for the month were also broken at some stations. Light freezes and heavy frosts at frequent intervals retarded growth, but did not keep vegetation entirely dormant. Day temperatures were generally high enough to stimulate growth in wheat, rye and bluegrass. Temperatures not far from normal in the decade from the 14th to 23d, with minima near freezing, were decidedly beneficial in preventing untimely advancement of grains and fruit buds. At the end of the month bulbous plants and early shrubbery were blooming quite generally, while peach and pear trees in the southeastern counties were nearly ready to blossom. Precipitation below the normal amount allowed streams to run down, and floods to drain away from the western lowlands. In the last half, which was relatively dry, the soil drained out and became workable. In the last week there was general activity in plowing, sowing of tobacco plantbeds, and early garden preparations. The high temperature caused increased growth. Spring seeding was pushed to an unusual degree for this early date. Pastures and rye fields dried out sufficiently that live stock could be turned on. Although having the size and appearance of late spring, wheat exhibited only slightly stained tops with no apparent injury to the plants. Its thick sod and massive greenness had presented during the entire winter a sight rarely seen in this latitude. The weather was not cold enough at any time to put up pork with safety on the farm. Conditions have seldom been so favorable for young lambs, or for egg and milk production. Tobacco remained too soft until the last week, and suffered some injury from constant excess of moisture in the leaf.

TEMPERATURE.

The average temperature of 36.7 obtained from the reports of 42 stations, was more than 1° higher than the previous high record made in 1890 and 1927. Normal or slightly lower temperatures occurred on a few days, otherwise daily excesses ranged from 5° to 35°. The periods 2d-12th and 24-29th were remarkable for their springlike warmth. The extremes were 82° at Williamsburg on the 10th and 15° at Williamstown on the 1st.

PRECIPITATION.

The records of 84 stations give a precipitation average of 3.35 inches, which is slightly less than normal. The heaviest rainfall, between 4.0 and 5.5 inches, occurred in a few extreme western and southeastern counties. In most of the State amounts ranged from 2.5 to 3.5 inches, diminishing from a central belt of heavier rains to lighter rains near the Ohio River and in the southeastern counties. About half of the month's precipitation fell in the period 24-29th. Moderate to heavy falls occurred generally in the periods 13-17th and 19-17th. Lighter rains, somewhat local in character, occurred on the 8th and 21st-22d. Some northern stations reported snow Feb. on the 9th. Extremes were 1.88 inches at Anchorage and 7.12 inches at Harlan. Days with thunderstorms were: 2, 3, 4, and 11.

PRESSURE AND WIND.

HUMIDITY AND SUNSHINE.

COMPARATIVE DATA FOR FEBRUARY.

Climatological Data for February, 1932.

Stations	Counties	Elevation, feet.	Length of record, Years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Bowker Dam	Ohio	441	28	47.6	+11.4	79	10	23	1	33	4.32	+1.14	1.20	0	7	14	7	8	n.	Mrs. Lena F. Taylor.
Calvert	McLean	437	28	48.8	+11.1	77	10	25	1	33	3.49	+0.19	1.69	T.	7	7	12	10	no.	W. A. Taylor.
Carrington	Hopkins	420	42	49.0	+11.7	78	10	23	1†	36	4.50	+0.95	2.26	0	9	18	3	8	n.	Brick Southworth.
Darlington	Hopkins	402									3.41		1.63	T.	8					W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	356	3	47.7	+ 8.4	79	10	20	5	38	2.54	−0.80	0.70	0	7	13	11	5	s.	C. R. Lovell.
Graysville	Muhlenberg	512	15	47.7	+ 8.4	79	10	20	5	38	2.53	−0.69	0.80	0	8	22	1	6	sw.	Richard Stites
Henderson	Richardson	382	18	46	9	78	11	24	1†	36	3.25	−0.41	0.51	0	10	13	6	10	se.	W. E. Graves.
Hopkinsville	Christian	524	36	49.4	+11.0	80	10	22	5	38	3.25	−0.41	0.51	0	10	13	7	7	s.	Blaine Malone.
Lowhaseville	Ballard	....	3	48.2	....	77	10†	22	5	37	5.24	....	2.90	0	7	10	7	7	s.	R. C. Paris.
Marion	Crittenden	571	34	48.2	+11.2	75*	10†	21*	20	44*	3.09	+0.56	2.18	0	6	9	9	11	n.	Mrs. C. R. Sowell.
Mayfield	Graves	364	23	49.1	+ 9.8	77*	11	24*	5	35*	3.57	−0.09	1.58	0	4	20	3	6	sw.	Harry B. Arnold
Murray	Calloway	412	6	49.0	....	77	10	21	5†	40	3.92	....	1.16	0	5	14	9	6	s.	Henry S. Berry.
Owensboro	Daviess	479	35	45.9	+ 9 8	76	10	22	1	33	2.76	−0.17	0.87	T	7	13	4	7	s.	George McGlenary.
Owensboro, Dam 46	Daviess	404	4	....	....	....	....	....	....	....	2.86	....	0.99	T.	7	....	....	....	....	....
Paducah Cemetery	McCracken	516	15	49.4	+ 7.7	77	10	24	5	34	5.10	+2.44	3.08	0	9	15	5	9	se.	J. W. Lilley
Paducah	McCracken	341	43	....	....	....	....	....	....	....	5.02	+1.65	2.90	0	9	....	....	....	....	Frank L. Brown.
Paducah	McCracken	....	....	....	....	....	....	....	....	....	3.36	−0.74	1.50	0	9	14	9	6	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	25	48.0	+11.6	77	10	23	5	38	3.26	+0.54	1.82	0	7	....	....	....	....	Thos. L. Wetzell.
Ramsey, Lock 2	McLean	384	15	....	....	....	....	....	....	....	3.26	+0.54	1.82	0	7	....	....	....	....	Wm. Shelton.
Russellville	Logan	590	21	45.8	+ 8.4	75	10	20	1	32	2.56	−0.73	0.70	0	8	15	4	10	n.	Earl Holder.
Uniontown, Dam 49	Union	357	4	....	....	....	....	....	....	....	2.44	....	0.93	0	7	....	....	....	....	....
Central Division.																				
Addison, Dam 48	Breckinridge	362	4	....	....	....	....	....	....	....	2.75	....	1.01	0	7	....	....	....	....	C. L. Moore.
Anchorage	Jefferson	700	31	43.0	+10.0	81	10	19	1	38	1.86	−0.96	0.60	T.	6	15	1	13	e.	C. E. Barret.
Bardstown	Nelson	637	35	47.0	+11.3	81	10	21	1	36	3.09	−0.58	0.80	0	11	15	6	8	w.	Mrs. Emily T. Sisco.
Bardstown	Nelson	637	35	47.0	+11.3	81	10	21	1	36	2.91	−0.96	0.72	0	11	15	6	8	w.	Mrs. Lillie G Causey.
Bowling Green	Warren	590	43	49.9	+11.2	79	10	24	1	36	2.42	....	0.72	0	8	....	....	....	....	T. Rone
Bowling Green, No. 2	Warren	469	7	....	....	....	....	....	....	....	3.14	1.66	0.98	0	9	....	....	....	....	Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	410	15	....	....	....	....	....	....	....	3.77	0.32	0.88	0	9	....	....	....	....	T. A. Lewis
Burkesville	Pulaski	773	41	....	....	....	....	....	....	....	2.32	−0.30	0.80	0	6	....	....	....	....	Sandby Angel.
Carrollton, Lock 1	Carroll	422	32	....	....	....	....	....	....	....	2.23	....	1.03	0	7	....	....	....	....	Reuben Hartley.
Cave Spring, Dam 36	Campbell	489	6	....	....	....	....	....	....	....	2.23	....	0.65	0	7	14	2	13	sw	C. W. Williams.
Dix Dam, Burgin	Mercer	770	8	48.4	....	80	10	23	1	32	3.05	....	0.65	0	6	8	10	11	s.	Mrs. Katie Payne.
Eubanks	Pulaski	1177	38	46.8	+12.0	78	11†	20	1	37	3.20	−0.68	1.03	0	6	8	10	11	s.	Sidney Wood.
Frankfort	Franklin	866	40	46.0	+10.1	80	10	23	1	40	3.17	−0.05	0.68	0	7	11	3	15	w.	M. E. Johnson.
Franklin	Simpson	591	37	47.4	+ 8.4	70	10†	24	1†	29	3.64	−0.88	0.85	0	10	13	10	6	n.	Lon Shibdell.
Goat, Lock 8	Henry	449	21	....	....	....	....	....	....	....	2.61	0.33	0.60	0	7	....	....	....	....	H. W. Sprague.
Grant, Dam 38	Boone	780	7	....	....	....	....	....	....	....	2.25	....	1.25	0	7	....	....	....	....	....
Greensburg	Green	581	39	47.7	+12.8	79	10	22	1	38	2.58	−1.07	0.71	0	11	3	1	25	n.	Mrs. Bettie K. H. Alcorn
Hays Bridge, Lock 7	Jessamine	550	30	....	....	....	....	....	....	....	3.01	−0.24	0.70	0	9	....	....	....	....	Miss Ruby L. Simpson.
Irvington	Breckinridge	646	31	47.6	+11.5	77	10	23	1	32	3.28	+0.15	0.91	T.	6	15	5	9	sw.	W. J. Piggott.
Lancaster	Garrard	1032	6	....	....	....	....	....	....	....	3.59	....	1.00	0	8	....	....	....	....	John Anderson.
Leitchfield	Grayson	685	36	47.2	+12.6	77	10	24	1	33	3.50	+0.32	1.10	0	8	13	9	7	nw.	H. H. Willis.
Lexington	Fayette	982	45	44.6	+ 9.2	75	10	21	1	33	3.04	−0.73	0.94	0	8	15	3	11	sw.	U. S. Weather Bureau.
Locust Hickman, Lock 8	Jessamine	523	21	....	....	....	....	....	....	....	4.28	+1.12	1.12	0	7	....	....	....	....	Horace Center.
Lovelaceville, Lock 2	Henry	476	22	....	....	....	....	....	....	....	2.70	+0.15	0.80	0	6	....	....	....	....	Frank Litch.
Louisville	Jefferson	505	59	46.0	+ 8.8	78	10	23	1	31	2.85	−0.79	1.05	T.	7	10	6	13	s.	U. S. Weather Bureau.
Maysville	Hart	699	9	....	....	....	....	....	....	....	2.50	....	0.82	0	9	....	....	....	....	A. G. Hubbard.
Mt. John	Garvin	777	36	45.1	+10.6	77	10	22	1	37	4.60	+0.28	1.40	T	8	16	5	8	....	Sisters of Loretto.
Nashville Lock 6*	Mercer	400	18	....	....	....	....	....	....	....	3.10	−0.15	1.10	0	6	....	....	....	....	Ernest M. Searcy.
Nashville	Shelby	565	43	45.0	+10.5	78	10	21	1	31	2.42	−1.15	0.60	0	8	14	2	13	nw	Miss Ruth Ratta.
Owingsville	Bath	1000	43	45.0	+10.2	77	10	21	1	34	3.24	0.22	0.60	T.	8	16	3	10	e.	E. D. Bourne.
Taylorsville	Spencer	469	30	45.6	+10.2	77	10	21	1	34	3.41	+0.28	0.86	0	8	....	....	....	....	H. K. Vaugan.
Tyrone, Lock 5*	Anderson	526	14	....	....	....	....	....	....	....	3.15	+0.42	0.80	0	11	17	7	5	w.	Miss Nettie B. Simpson.
Williamstown	Grant	845	29	43.7	+11.6	77	10	15	1	33	2.43	−1.13	0.63	0	9	....	....	....	....	H. J. Lewis.
Woodbury, Lock 4	Butler	533	15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Eastern Division.																				
Annville	Jackson	....	....	....	....	....	....	....	....	....	4.46	....	0.92	0	9	12	7	10	sw.	W. A. Werthington.
Ashland	Boyd	534	15	45.0	+ 8.2	77	10†	20	1	36	3.10	−0.07	1.54	0	7	16	2	11	nw.	Jacob Armbruster.
Beattyville	Lee	650	28	46.4	+10.7	80	10	17	1	40	3.44	−1.43	0.65	T.	8	5	14	10	nw.	Robert S. Smallwood.
Berea	Madison	979	27	47.8	+11.5	79	10	20	1	39	3.15	0.04	0.71	T.	10	16	4	9	w.	Chas. C. Graham.
Boone	Madison	979	27	....	....	....	....	....	....	....	3.76	+1.04	0.85	0	7	....	....	....	....	Keezy Warden
Conkle Hill, Lock 11	Madison	601	22	....	....	....	....	....	....	....	2.52	−0.36	0.82	0	7	....	....	....	....	P. H. Kehoe.
Cynthiana	Harrison	684	14	....	....	....	....	....	....	....	2.66	−0.59	0.98	T	7	....	....	....	....	T. Oldham
Falmouth	Pendleton	600	43	....	....	....	....	....	....	....	3.49	+0.49	1.18	0	7	11	4	14	e.	Mrs. R. F. Stamper.
Farmers	Rowan	668	24	46.2	+ 9.6	81	10	17	1	40	3.45	+0.49	1.18	0	7	....	....	....	....	C. A Glascock
Flemingsburg	Fleming	841	7	....	....	....	....	....	....	....	2.51	....	0.80	0	5	....	....	....	....	John V. Walters.
Ford, Lock 10*	Clark	569	16	....	....	....	....	....	....	....	3.05	+0.30	0.66	0	7	....	....	....	....	Col. Frank Powers.
Garfield	Carter	580	7	....	....	....	....	....	....	....	3.07	....	1.37	0	6	....	....	....	....	T. Mitchell.
Greenup, Dam 29	Greenup	540	12	....	....	....	....	....	....	....	2.46	−0.53	0.60	0	8	....	....	....	....	W. W. Duffield.
Harlan	Harlan	1197	4	48.2	....	71	11	20	1	44	7.42	....	2.40	0	10	14	4	11	sw.	Chas. O. Ihrig.
Hazard	Perry	869	8	....	....	....	....	....	....	....	4.35	....	1.24	0	8	....	....	....	....	S. C. Cole.
Heidelberg, Lock 11	Lee	664	15	....	....	....	....	....	....	....	3.36	−0.01	0.63	0	9	....	....	....	....	R. R. Davidson.
Jenkins	Letcher	1366	7	....	....	....	....	....	....	....	4.61	....	0.77	0	9	....	....	....	....	Russian Geddey.
Latonia	Lawrence	584	28	....	....	....	....	....	....	....	3.91	0.52	0.88	0	7	....	....	....	....	Jeanett H. White.
Lee City	Clay	....	12	....	....	....	....	....	....	....	4.68	+1.74	1.37	0	7	....	....	....	....	Perry E. Bennett
Maysville	Mason	524	35	44.4	+ 9.7	76	10	20	1	31	2.74	0.43	0.84	0	7	10	4	15	sw.	Matthew Woodson
Middlesboro	Bell	1128	36	47.4	+ 7.6	74*	26	17*	1	44*	3.52	−0.69	1.40	0	7	16	11	2	....	Matthew Woodson
Morgantown	Butler	630	12	45	+ 9.2	80	10	16	1	39	3.91	+0.16	1.20	0	6	13	2	14	nw.	W. B. McKee.
Mount Sterling	Montgomery	950	42	45	+ 9.2	80	10	16	1	39	2.64	−0.67	0.70	T.	7	....	....	....	....	Geo. Hisolbe.
Oneida, Berea*	Clay	1047	....	....	....	....	....	....	....	....	3.96	+0.02	1.08	0	9	....	....	....	....	Robert Bepass
Pineville	Bell	1026	26	....	....	....	....	....	....	....	4.05	....	1.20	0	7	19	5	5	....	W. W. Smartzerfield.
Pippa Pass	Knott	1035	7	48 6	....	79	10*	18	1	38	4.05	....	1.08	0	7	....	....	....	....	F. C. Hall.
Prestonsburg	Floyd	640	7	....	....	....	....	....	....	....	4.67	....	1.08	0	8	....	....	....	....	E. W. Jones.
Quicksand	Breathitt	792	6	47.2	....	78	10	23	24	31	4.05	....	0.92	T.	7	....	....	....	....	Walter F. Bush.
Rowland, Lock 12	Estill	631	14	....	....	....	....	....	....	....	3.32	+0.35	0.92	0	8	....	....	....	....	L. W. Crooke.
Salyersville	Madison	926	41	46 6	9.7	75	11	22	1	33	2.97	0.36	0.70	0	7	18	0	11	....	Thos. Sullivan.
Tates Creek, Lock 9	Madison	991	19	....	....	....	....	....	....	....	3.83	+0.36	0.98	0	8	....	....	....	....	H. M. Lunnin.
Wallingford, Dam 32	Lewis	725	17	....	....	....	....	....	....	....	2.66	+1.75	0.85	0	7	....	....	....	....	G. O. Zimmerman.
Warfield	Lawrence	1112	7	....	....	....	....	....	....	....	4.58	....	0.88	0	9	....	....	....	....	H. E. Davis.
Wayland	Floyd	1209	35	48.6	+10.8	82	10	22	1	40	4.87	+1.07	0.85	0	10	12	2	8	....	Cleveland Angel.
Whitley, Lock 10	Lee	631	14	....	....	....	....	....	....	....	3.68	−1.15	0.65	0	8	....	....	....	....	....
Wilgus, Lock 13	Lee	....	....	48 7	+10 1	82	10	15	1	44	3.26	−0.69	0.68	T.	8	14	5	10	sw.	....

All temperature data are taken from self-registering thermographs.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used to determine precipitation or elevation means.

Ramsey, Beattyville, Record Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

For normals, see A., C., T., according to the table indicating number of days missing; for example, o represents two days, etc.

Too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

A. Averages shown. * Enlarged too late to be included in means and summaries.

Cincinnati, Ohio, Weather Bureau Office, Lock 7, Lawrenceburg, Ind.; Lock 6, Vevay, Ind.; Lock 5, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.; Oneonta, California, Ky.

MISCELLANEOUS.

Rivers.—The rise in the Ohio River culminated in the first week with the following crests: Evansville, upper gage, 29.7 feet, lower gage 38.7 feet on the 5th; Paducah, 45.8 feet on the 6th; Henderson, 45.1 feet on the 7th; Cairo, 42.3 feet on the 10th. Flood stages at all stations on the 1st, and in its lower reaches on the 8th, 9th and 10th. Flood heights were much exceeded on the 1st. The Big Sandy and Licking crested below the danger line. Except from flooding of crops on bottom lands damage along the Ohio was slight.

Daily Precipitation for February, 1932

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
Western Division																														
Beaver Dam		.50	.50	.05							.97							1.20	0.15					1.0						
Calhoun		.48	.10	.2							.81			T	T.	1.00	.45							.01						
Farmington		.50	.45	.04							.35			.02	.02	.20	.11							.01						
Fords Ferry, Dam 50		.33	.02	.10				T.		T.		.75			.04		.03		1					.01						
Greenville		.31	.24								.22			.02	T	.75	.11							.01						
Henderson		.37	.02	.13							.09	.61				.80	.13							.01						
Hopkinsville		.28	.06	.15				.04			.06			.01	.06	.01	.43							.01						
Madisonville		.22	.15								.07			.11	.02	.20								.01						
Marion		.02	.06	.05							.45			T.		.25								.01						
Mayfield				.34							1.53					.55	.41							.01						
Murray		.74	.18							T.	.60				.18	.20	.10							.01						
Owensboro		.55	.09	.15				T.			.50	.1				.87	.16							.01						
Owensboro, Dam 46		.54	.01	.28				T.			.1	.57			T	.1	.03		T					.01						
Paducah (near)		.46	.20	.20							.70			.10	.08	.1.08	.05							.01						
Paducah		.64	.17	.32						T.		.06			.08	.02	.10		1.					.01						
Princeton		.53	.09	.16					T.	.02	.35			.05	.05	1.30								.01						
Ramsey, Lock No. 2		.42	.10	.23								.24			T		1.82							.01						
Russellville			.15									.30			.09	.05								.01						
Unontowa, Dam 49		.26	.04	.09								.6					.80							.01						
Central Division																														
Addison, Dam 15		.54	.09	.28						T.		.34					1.05							.01						
Anchorage		.40	T.				.03				.50					.05	.04							.01						
Ba-ford		.15	.26	.35							.14					.08	.27							.01						
Bowling Green		.15	.24	.05				.20		.02	.72			T.	.05	.20	.05							.01						
Bowling Green, No. 2		.60	.10							.03		.72			.06		.42							.01						
Brownsville, Lock No. 6		.8	.10	.07						.11		.08			.04		.06							.01						
Burnside		.37	.41	.88				.26				.50			.11	T	.44	.10	T.					.01						
Carrollton (Lock No. 1)		.30	.8	.9								.55					.21							.01						
Cave Spring, Dam 36		.29	.10	.03				.12		T.		.37					.18							.01						
Dix Dam, Fargo		.40	.05	.35			.03				.51			T.		.02								.01						
Eubank			1.05	.43				.27				.63					.53							.01						
Frankfort		.32	.52	.05				.05				.60				T	.05							.01						
Franklin		.05	.28	.35				.1			.57			.05	.10	.35	.2							.01						
Green, Lock No. 4		.40	.40	.30				.5		T		.20					.02							.01						
Grant, Dam 35		.30	.07	1.25				.01		T.		.06					.25							.01						
Greensburg		.71	.20	.22	.01			.06	.01		.07	.05		T.	.10	.08	.18	.01	T.		.51	.04		.01						
Hiseville		.32	.30	.35				.02				.18			.02		.75					.60	.60							
Irvington		.55	T.	.0				.7				.5			T	.01	.14					.35								
Lancaster		.37	1.00	.50								.52		.03		.50						.52								
Leitchfield			.71	1.10	.05							.02				.02	.20					.34	.03							
Lexington		.42	.08	.02			T.	.05				.48				T	.89	.08				.45								
Lethe Brickman, Lock No. 8		.45	1.12	.70									.45			T		.56				.00	.5							
Lockport, Lock No. 2		.35	.22	.00								.31					.84					.37								
Louisville			.37	1.01	T.			T.	.02			.60					.00	.02				.31								
Mantorville			.70	.18	.38				.06		T.		.82			.05		.02				.02	.4							
St. John			.43	.40	.28							.00				.20	1.40	.20				.50								
Salvisa, Lock No 6			.50	.30	.15					T		.60						1.10					.45							
Shelbyville				.42	.6					.02	.28	.01				.51	.18					.48								
Taylorsville			.55	.10	.6			.04			.33					.52	.4					.48								
Tyrone, Lock No. 5			.75	.85							.50					.75						.40								
Williamstown			.58	.32	.09				.08	.02	.52	.02				.12	.22					.64	.01							
Wilmoney, Lock No. 4			.6	.11	.04			.03				.40			.04		.50					.17	.45							
Eastern Division																														
Annville			.48	.44	.50				.49			.92			.04		.45	.01			.45									
Ashland		.25	1.04	1.51					.11			.56					.93					.22								
Beattyville		.42	.81	.05					.28			.61			.03		.93					.48								
Berea		.50	.51	.22					.22		.71				.06	.25	.15					.40	.02							
College Hill, Lock No. 11			.35	.05	.05				.18			.45					.75					.6								
Cumberland			.25	.38	.82				.04			.45					.45					.8								
Falmouth			.35	.37	.98	T.			.15			.43					.2					.27								
Farmers			.55	.18	.16				.10			.01					1.00					.33								
Hindman			.50	.80							.52					.50					.80								
Ford, Lock No. 10			.43	.28	.82	T			.04			.4				T	.01													
Grayson			.32	.21	1.35				.07								.8					.24								
Greenup, Dam 30			.05	.25	.50	.05			.03			.55					.41					.36								
Harlan			.50	1.45	2.1				.41			1.28			.07	.05					.05	.15								
Hazard			.80	.94	1.24				.20			.50			.04		.50					.27								
Heidelberg, Lock No. 14			.43	.32	.01	.02			.37			.63			.04		.40					.48								
Jenkins			.33	.65	.05	.12			.64			.24			.05		.17					.22								
Louisa			.30	.35	.37				.14			.57					.5					.17								
Manchester			.55	.35	1.37				.25			1.21					.36					.40								
Maysville			.38	.25	.84	T			.05			.43			.22		.37				.60	.25								
Middlesboro			.10	1.40	.45				.61			.64										.45								
Mount Sterling			.48	.38	1.25							.75				.55							.T							
Oneida, Dam 35			.30	.50	.78	T			.03	T					.35		.17					.20								
Pineville			.38	.85	1.18	.20			.25	T.		.75			.2		.8					.45								
Pippapass					1.20				.51			.77			T	.1	.25					.23								
Prestonsburg			.86	.73	.68	.16			.64			1.08			T		.87	T												
Quicksand		.46		.46	.57				.58			.92					.48					.40								
Ravenna, Lock No. 12			.48	.58	.33				.18	T	T.	.90					.61								T	T				
Richmond			.26	.26	.70					.15		.50			.02		.65					.30								
Valley View, Lock No. 6		.25	.55	.57						.01	.52											.55								
Vanceburg, Dam No. 32			.25	.55					.09			.40					.5													
Whitesburg			.07	.90	.57	.02			.27			.68			.05		.17					.31								
Williamsburg			.5	.95	.90				.37			.85			.1		.05					.15								
Willow, Lock No. 13			.45	.09	.60				.50			.40					.28					.30								

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the months' amount then recorded is for the preceding 24 hours. * Precipitation recorded in the next following month.

Frequent dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Sterling; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi. (L) Long Oak.

Daily Temperatures for February, 1932.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	49	55	61	65	50	57	65	63	66	70	73	60	55	44	47	48	46	57	49	58	56	48	51	54	66	72	72	68	66	...	...	58.5
	Minimum	23	43	51	35	25	32	27	42	31	60	60	35	32	35	35	37	35	42	35	36	29	30	36	25	28	35	46	41	35	...	...	36.7
Calhoun	Maximum	47	54	61	65	50	54	63	63	66	77	72	65	52	43	47	52	57	54	58	49	56	50	47	48	50	47	66	70	66	...	...	58.0
	Minimum	20	42	50	30	27	36	30	42	35	62	59	42	32	36	36	44	30	37	40	29	40	30	30	34	45	49	49	39	40	...	...	39.6
Covington	Maximum	49	56	63	64	49	58	64	64	71	75	76	66	58	48	46	52	58	48	52	44	48	49	48	48	58	70	78	66	66	...	...	58.9
	Minimum	23	42	51	35	23	28	29	43	35	65	60	32	33	35	37	35	31	40	33	39	27	31	37	27	41	47	46	34	41	...	...	39.0
Crescent Springs	Maximum	49	56	63	64	49	58	64	64	70	73	72	66	50	42	46	51	55	49	52	42	47	51	48	48	57	71	74	69	66	68	...	58.6
	Minimum	22	41	50	31	29	35	28	42	33	61	58	34	32	32	34	37	33	39	27	35	28	29	36	24	28	41	40	34	41	...	...	35.5
Henderson	Maximum	54	59	69	63	49	60	59	59	61	68	78	72	65	52	52	52	55	47	52	45	46	50	46	61	70	76	81	69	68	...	...	57.0
	Minimum	21	38	47	28	24	28	34	31	39	32	62	40	36	29	35	37	38	27	38	30	38	34	32	42	42	46	46	43	46	...	...	36.8
Hopkinsville	Maximum	46	57	61	65	52	62	68	64	73	80	78	65	52	43	45	52	56	49	53	46	48	49	47	48	57	72	77	70	68	...	...	57.7
	Minimum	25	43	53	31	22	30	30	44	36	62	59	33	33	35	36	34	31	41	27	33	32	31	37	25	32	41	42	36	43	...	...	36.8
Louisville	Maximum	49	54	62	64	51	60	65	62	70	77	77	66	47	46	48	53	58	48	51	52	49	50	48	51	59	70	79	70	69	...	...	59.2
	Minimum	25	41	51	30	22	33	29	42	33	62	59	33	31	35	36	42	31	40	33	36	36	34	36	29	34	44	50	36	43	...	...	37.1
Marion	Maximum	45	52	61	64	49	61	62	60	68	75	75	66	55	45	46	53	55	46	48	46	47	49	47	49	57	69	76	67	66	...	...	58.0
	Minimum	25	40	46	30	23	36	36	48	34	64	58	37	36	36	36	35	33	40	28	40	21	28	36	20	35	46	47	39	50	...	...	36.2
Mayfield	Maximum	..	43	56	65	50	60	68	68	69	76	77	67	55	..	52	46	47	51	52	49	51	51	55	59	72	72	70	70	70	...	...	59.2
	Minimum	..	20	30	36	24	34	33	42	35	67	60	37	32	..	33	36	40	33	30	27	26	30	24	41	46	47	41	46	..	...	...	36.8
Murray	Maximum	52	57	65	67	52	64	68	68	74	77	72	62	50	41	44	55	58	50	51	50	50	53	54	60	70	74	70	70	75	...	...	60.6
	Minimum	25	43	53	31	22	30	30	44	36	62	59	33	33	35	36	34	31	41	27	33	32	31	37	25	32	41	42	36	43	...	...	36.2
Owensboro	Maximum	49	54	62	64	51	60	65	62	70	77	77	66	47	46	48	53	58	48	51	52	49	50	48	51	59	70	79	70	69	...	...	59.2
	Minimum	25	41	51	30	22	33	29	42	33	62	59	33	31	35	36	42	31	40	33	36	36	34	36	29	34	44	50	36	43	...	...	37.1
Paducah	Maximum	..	43	56	65	50	60	68	68	69	76	77	67	55	..	52	46	47	51	52	49	51	51	55	59	72	72	70	70	70	...	...	59.2
	Minimum	..	20	30	36	24	34	33	42	35	67	60	37	32	..	33	36	40	33	30	27	26	30	24	41	46	47	41	46	..	...	...	36.8
Princeton	Maximum	52	57	65	67	52	64	68	68	74	77	72	62	50	41	44	55	58	50	51	50	50	53	54	60	70	74	70	70	75	...	...	60.6
	Minimum	25	43	53	31	22	30	30	44	36	62	59	33	33	35	36	34	31	41	27	33	32	31	37	25	32	41	42	36	43	...	...	36.2
Russellville	Maximum	46	52	62	64	49	61	62	60	68	75	75	66	55	45	46	53	55	46	48	46	47	49	47	49	57	69	76	67	66	...	...	58.0
	Minimum	25	40	46	30	23	36	36	48	34	64	58	37	36	36	36	35	33	40	28	40	21	28	36	20	35	46	47	39	50	...	...	36.2
Central Division.																																	
Auburn	Maximum	46	56	57	48	48	39	51	58	61	81	68	51	43	36	43	54	55	45	54	46	47	46	45	61	64	72	62	46	65	...	...	55.3
	Minimum	15	38	45	30	26	29	31	32	29	58	50	27	31	31	34	37	24	37	24	34	32	26	28	32	42	47	44	33	...	...	...	32.3
Bardstown	Maximum	50	59	62	62	51	60	64	62	68	80	72	61	46	45	47	55	59	51	55	48	48	51	51	62	70	72	67	58	69	...	...	58.0
	Minimum	21	40	51	31	26	35	28	44	28	60	59	34	35	32	36	40	30	40	33	37	35	36	36	29	35	44	45	36	37	...	...	36.1
Bowling Green	Maximum	53	58	64	68	55	58	63	62	67	79	71	61	56	45	48	59	56	50	52	50	48	50	49	56	71	75	70	67	70	...	...	59.4
	Minimum	24	41	56	35	25	34	37	46	37	58	56	38	38	35	37	44	34	41	31	41	37	41	38	37	40	46	48	39	43	...	...	39.0
Fort Knox	Maximum	51	55	61	58	56	55	65	61	69	75	75	66	49	46	46	53	59	51	55	54	46	51	49	60	68	74	73	65	67	...	...	58.1
	Minimum	20	31	40	35	26	35	28	46	30	55	57	31	29	31	33	35	25	36	25	36	35	32	26	30	41	48	38	36	38	...	...	34.4
Frankfort	Maximum	44	55	59	62	50	49	64	61	69	80	73	64	55	47	51	56	58	49	51	52	50	52	50	60	70	73	68	58	69	...	...	58.9
	Minimum	20	35	50	30	29	30	29	44	28	57	50	34	30	30	33	37	25	36	26	33	29	28	29	25	30	37	32	28	36	...	...	32.1
Glasgow	Maximum	47	58	60	60	41	49	60	62	70	70	64	58	42	44	53	50	46	46	48	50	47	48	46	47	58	61	56	45	49	...	...	53.0
	Minimum	24	45	60	31	24	35	34	47	34	58	56	40	36	35	37	41	37	42	28	40	40	29	32	30	29	32	36	30	51	39	17	...	39.8
Greensburg	Maximum	51	57	65	65	52	57	65	63	68	79	75	63	52	46	48	52	56	50	50	50	52	48	50	48	57	68	75	67	68	...	...	58.6
	Minimum	22	41	54	31	27	31	25	47	30	58	56	35	31	31	34	37	33	39	26	38	38	26	25	25	31	38	42	32	43	...	...	33.7
Lexington	Maximum	45	55	62	62	47	56	63	62	68	77	72	62	50	42	46	54	57	47	51	47	47	48	48	52	64	68	73	62	64	...	...	56.8
	Minimum	23	42	50	30	27	36	32	42	36	59	60	39	34	34	37	43	40	37	40	27	37	36	32	32	44	47	43	38	45	...	...	38.5
Louisville	Maximum	49	54	61	60	47	52	62	61	66	77	72	62	48	44	48	54	58	48	52	48	48	48	46	52	62	69	74	64	66	...	...	56.7
	Minimum	25	41	51	30	22	33	29	42	33	62	59	33	31	35	36	42	31	40	33	36	36	34	36	29	34	44	50	36	43	...	...	37.1
Lebanon	Maximum	48	54	61	60	47	52	62	61	66	77	72	62	48	44	48	54	58	48	52	48	48	48	46	52	62	69	74	64	66	...	...	56.7
	Minimum	25	41	51	30	22	33	29	42	33	62	59	33	31	35	36	42	31	40	33	36	36	34	36	29	34	44	50	36	43	...	...	37.1
Litchfield	Maximum	48	54	62	64	49	58	64	64	70	73	72	66	50	42	46	53	55	46	48	46	47	49	47	49	57	69	76	67	66	...	...	58.0
	Minimum	24	44	52	30	26	34	32	38	32	65	56	36	32	33	34	42	30	39	28	38	36	28	31	30	42	47	46	36	45	...	...	36.2
Owensboro	Maximum	45	54	60	62	48	48	58	60	66	75	72	62	48	41	44	54	55	42	48	44	46	48	46	48	57	69	74	64	66	...	...	56.7
	Minimum	21	41	47	26	27	30	30	41	30	58	56	40	36	32	34	38	32	38	24	34	34	34	32	32	42	47	44	36	45	...	...	36.2
Owingsville	Maximum	53	57	65	66	46	50	65	66	68	79	76	63	52	46	48	52	56	50	50	50	52	48	50	48	57	68	75	67	68	...	...	58.6
	Minimum	22	41	54	31	27	31	25	47	30	58	56	35	31	31	34	37	33	39	26	38	38	26	25	25	31	38	42	32	43	...	...	33.7
Paris	Maximum	45	55	62	62	47	56	63	62	68	77	72	62	50	42	46	54	57	47	51	47	47	48	48	52	64	68	73	62	64	...	...	56.8
	Minimum	23	42	50	30	27	36	32	42	36	59	60	39	34	34	37	43	40	37	40	27	37	36	32	32	44	47	43	38	45	...	...	38.5
Shelbyville	Maximum	48	54	61	60	47	52	62	61	66	77	72	62	48	44	48	54	58	48	52	48	48	48	46	52	62	69	74	64	66	...	...	56.7
	Minimum	25	41	51	30	22	33	29	42	33	62	59	33	31	35	36	42	31	40	33	36	36	34	36	29	34	44	50	36	43	...	...	37.1
Springfield	Maximum	49	54	61	60	47	52	62	61	66	77	72	62	48	44	48	54	58	48	52	48	48	48	46	52	62	69	74	64	66	...	...	56.7
	Minimum	25	41	51	30	22	33	29	42	33	62	59	33	31	35	36	42	31	40	33	36	36	34	36	29	34	44	50	36	43	...	...	37.1
Eastern Division.																																	
Ashland	Maximum	39	49	53	53	49	48	54	56	56	77	77	63	54	45	46	48	48	48	51	51	52	46	46	59	65	69	69	65	61	...	...	54.7
	Minimum	20	35	41	35	31	29	28	45	26	51	59	33	33	31	36	36	34	36	28	34	32	32	32	28	33	38	41	34	37	...	...	35.2
Catlettsburg	Maximum	40	55	61	61	52	54	65	61	68	80	76	65	52	43	46	52	56	48	52	50	50	50	48	52	62	68	72	62	64	...	...	57.0
	Minimum	20	35	41	35	31	29	28	45	26	51	59	33	33	31	36	36	34	36	28	34	32	32	32	28	33	38	41	34	37	...	...	35.2
Greenup	Maximum	40	55	61	61	52	54	65	61	68	80	76	65	52	43	46	52	56	48	52	50	50	50	48	52	62	68	72	62	64	...	...	57.0
	Minimum	20	35	41	35	31	29	28	45	26	51	59	33	33	31	36	36	34	36	28	34	32	32	32	28	33	38	41	34	37	...	...	35.2
Harrodsburg	Maximum	50	59	62	62	49	52	62	61	67	79	75	63	50	46	47	58	60	45	50	49	45	50	45	60	68	71	69	63	68	...	...	58.1
	Minimum	20	41	52	32	28	37	37	45	31	57	56	36	35	36	36	36	33	42	25	38	37	32	29	27	40	46	46	36	46	...	...	38.4
Harrodsburg	Maximum	48	58	62	59	52	53	58	62	58	84	74	65	55	46	48	56	66	57	52	54	54	54	55	62	70	74	70	70	74	...	...	63.1
	Minimum	17	31	50	30	29	34	26	44	26	54	58	39	37	38	38	36	33	42	25	38	37	26	26	24	34	36	38	29	37	...	...	34.1
Hazard	Maximum	41	52	52	58	37	37	45	51	57	58	38	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	...	...	36.2
	Minimum	20	35	41	35	31	29	28	45	26	51	59	33	33	31	36	36	34	36	28	34	32	32	32	28	33	38	41	34	37	...	...	35.2
Isaban	Maximum	50	59	62	62	49	52	62	61	67	79	75	63	50	46	47	58	60	45	50	49	45	50	45	60	68	71	69	63	68	...	...	58.1
	Minimum	20	41	52	32	28	37	37	45	31	57	56	36	35	36	36	36	33	42	25	38	37	32	29	27	40	46	46	36	46	...	...	38.4
Jackson	Maximum	48	58	62	59	52	53	58	62	58	84	74	65	55	46	48	56	66	57	52	54	54	54	55	62	70	74	70	70	74	...	...	63.1
	Minimum	17	31	50	30	29	34	26	44	26	54	58	39	37	38	38	36	33	42	25	38	37	26	26	24	34	36	38	29	37	...	...	34.1
Morehead	Maximum	41	52	52	58	37	37	45	51	57	58	38	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	...	...	36.2
	Minimum	20	35	41	35	31	29	28	45	26	51	59	33	33	31	36	36	34	36	28	34	32	32	32	28	33	38	41	34	37	...	...	35.2
Mount Sterling	Maximum	48	58	62	59	52	53	58	62	58	84	74	65	55	46	48	56	66	57	52	54	54	54	55	62	70	74	70	70	74	...	...	63.1
	Minimum	17	31	50	30	29	34	26	44	26	54	58	39	37	38	38	36	33	42	25	38	37	26	26	24	34	36	38	29	37	...	...	34.1
Pikeville	Maximum	41	52	52	58	37	37	45	51	57	58	38	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	...	...	36.2
	Minimum	20	35	41	35	31	29	28	45	26	51	59	33	33	31	36	36	34	36	28	34	32	32	32	28	33	38	41	34	37	...	...	35.2
Quicksand	Maximum	50	59	62	59	52	53	58	62	58	84	74	65	55	46	48	56	66	57	52	54	54	54	55	62	70	74	70	70	74	...	...	63.1
	Minimum	17	31	50	30	29	34	26	44	26	54	58	39	37	38	38	36	33	42	25	38	37	26	26	24	34	36	38	29	37	...	...	34.1
Richmond	Maximum	48	58	62	59	52	53	58	62	58	84	74	65	55	46	48	56	66	57	52	54	54	54	55	62	70	74	70	70	74	...	...	63.1
	Minimum	17	31	50	30	29	34	26	44	26	54	58	39	37	38	38	36	33	42	25	38	37	26	26	24	34	36	38	29	37	...	...	34.1
Winchester	Maximum	48	58	62	59	52	53	58	62	58	84	74	65	55	46	48	56	66	57	52	54	54	54	55	62	70	74	70	70	74	...	...	63.1
	Minimum	17	31	50	30	29	34	26	44	26	54	58	39	37	38	38	36	33	42	25	38	37	26	26	24	34	36	38	29	37	...	...	34.1

[E] Instrument(s) not read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
[S] Sub-station(s) respectively 1, 2, 3 etc., days missing from report.
* Fort Knox ... 24-29 inc.

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
Vol. XXXVII LOUISVILLE, KY., MARCH, 1932 No. 3

GENERAL SUMMARY.

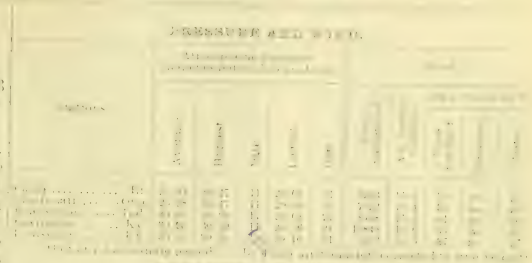
This was the coldest and most unfavorable month of the winter. The warm weather of the previous month continued through the first four days. Growth had occurred intermittently throughout the winter, hence the weather and appearance of vegetation in the first week gave promise of an early spring. This situation was radically changed by the decade of cold weather and severe freezes that began on the 5th. On the 8th temperatures fell to near zero at some northern stations, and the soil was frozen to a depth of four to six inches. Early gardening and early potato planting had advanced considerably before the cold wave. This work was rendered useless by the freezes, and a general suspension of outdoor activities resulted. Jointing wheat and rye were killed or badly damaged. Fortunately, most wheat came up late or started slowly in the autumn, so that the untimely winter growth had not brought it to the jointing stage. Continuous pasturing held back much early wheat. For these reasons the damage to winter grains by the freezes was not extensive. Shrubs, which had bloomed at intervals since December, were frozen back. Roses and hedges suffered severely. For the first time during the winter vegetation became dormant, and the landscape assumed the appropriate seasonal appearance. It was the first satisfactory period of weather for putting up meat on the farm. Peaches, plums, and pears were beginning to bloom in the western counties. The damage to these appeared to be almost complete. Cherries and small fruits were also injured to an unknown extent. Apples alone seemed to escape unscathed from the general devastation. Toward the end of the month occasional warm days started growth, followed by considerable improvement in grains and grass. Spring work was resumed, but frequent rains retarded progress.

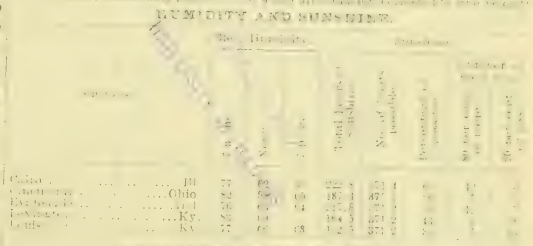
TEMPERATURE.

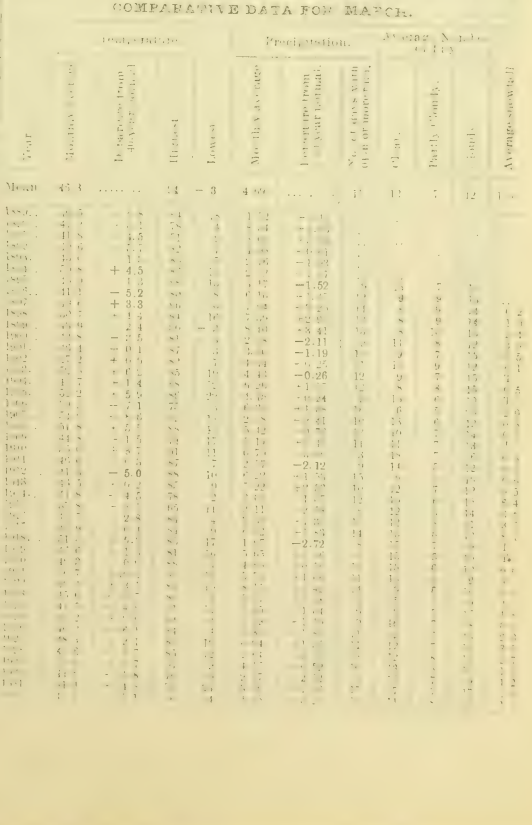
The average temperature, 41.2°, based on reports from 41 stations, is among the low records for this month, and is the same as the mean temperature for the March that followed the warm winter of 1889-90. In the period 5-15th daily means were 10° to 20° below the seasonal averages. During the last half they oscillated in about equal departures above and below normal. The extremes were 80° at Bowling Green on the 24 and Murray on the 29th, and 4° at Mt. Sterling on the 9th.

PRECIPITATION.

Reports of 54 stations gave an average precipitation of 4.95 inches, which is near the normal. Several counties in the eastern mountains and the middle Kentucky basin received 6.50 inches or more. In a broad northeast-southwest belt through the State from 5.0 to 6.0 inches occurred. North and south of this belt amounts diminished to about 4.5 inches, and in the lower Kentucky and Licking basins to less than 3.0 inches. The heaviest rains occurred on the 17th and 27th. There was considerable run-off from the rains of the 26-28th, with some headwater flooding and increased accumulations on the western [illegible]







Climatological Data for March, 1932.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	28	42.2	— 5.4	76	2	9	9	40	4.92	+0.68	2.00	.....	9	14	8	9	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	357	28	42.6	— 6.6	73	21	10	9	36	5.23	+0.51	2.00	1.2	13	3	15	13	nw.	W. A. Taylor.
Earlington	Hopkins	420	42	43.2	— 4.5	74	2	10	9	38	4.89	−0.16	2.09	1.0	9	10	11	11	sw.	Brick Southworth.
Fordsville	Ohio	356	3	.....	.....	.....	.....	.....	.....	.....	5.61	.....	2.35	1.5	10	.....	.....	.....	s.	W. D. Hatcher.
Fords Ferry, Dam 50	Hancock	519	15	42.0	— 6.2	72	21†	8	9	39	5.84	−0.11	2.53	1.4	11	6	22	3	s.	C. R. Lovell.
Greenville	Muhlenburg	382	18	40.8	.....	72	21†	11	6†	36	4.43	−0.66	1.81	0.5	10	15	7	9	w.	Richard Stites
Henderson	Henderson	424	36	44.4	— 4.9	79	2	10	9	41	5.65	+0.52	2.65	1.1	12	12	4	15	n.	W. E. Graves.
Hopkinsville	Christian	.....	36	44.4	— 4.9	76	21	10	9	40	4.18	.....	1.00	1.0	8	12	10	9	n.	Blaine Malone.
Lovelaceville	Ballard	.....	3	43.6	.....	76	21	10	9	38	4.41	−0.19	1.48	.....	8	12	13	6	n.	B. C. Paris.
Marion	Crittenden	571	34	43.4	— 5.1	75	29	8	9	38	4.68	−0.33	2.90	0.5	5	13	9	9	nw.	Mrs. C. R. Sowell.
Mayfield	Graves	364	28	40.8	—10.1	75*	22	9*	9	48*	4.68	−0.33	2.90	0.5	5	13	9	9	n.	Harry B. Arnold
Murray	Calloway	412	6	44.0	.....	80	20†	9	9	48	6.26	.....	3.62	4.0	8	7	15	9	n.	Henry S. Berry.
Owensboro	Daviess	479	35	40.4	— 6.7	70	29	7	9	36	4.59	+0.06	2.30	T.	9	14	7	10	nw.	George Metlemary.
Owensboro, Dam 46	Daviess	404	4	.....	.....	.....	.....	.....	.....	.....	4.35	.....	2.67	1.3	14	.....	.....	.....	.....	J. W. Lilley
Paducah (near)§	McCracken	316	15	43.8	— 5.4	75	21†	10	9	37	5.37	+0.05	1.70	1.5	8	11	6	14	nw.	Frank L. Brown.
Paducah	McCracken	341	43	.....	.....	.....	.....	.....	.....	.....	3.62	−0.75	1.05	1.0	9	.....	.....	.....	.....	Dr. W. L. Cash.
Princeton	Caldwell	529	25	42.6	— 5.9	75	1	10	9	40	4.74	−0.41	2.10	1.0	8	11	13	7	n.	Thos. L. Wetzell.
Ramsey, Lock 2‡	McLean	384	15	.....	.....	.....	.....	.....	.....	.....	5.34	+0.72	1.97	0.2	8	.....	.....	.....	.....	Wm. Shelton.
Russellville	Logan	596	21	39.8	—10.0	73a	21	10a	9	36a	4.37	−0.62	1.33	0.3	8	15	4	12	n.	Earl Holder.
Uniontown, Dam 49	Union	357	4	.....	.....	.....	.....	.....	.....	.....	4.95	.....	2.12	0.9	10	.....	.....	.....	.....	
Central Division.																				
Addison, Dam 45	Breckinridge	352	4	.....	.....	.....	.....	.....	.....	.....	4.70	.....	2.14	.....	13	.....	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	709	31	36.8	— 8.2	73a	26	6a	9	38a	4.16	+0.03	2.33	0.4	8	11	8	12	w.	C. E. Barret.
Bardstown	Nelson	637	35	41.2	— 5.7	72	21	6	9	39	5.76	+0.99	1.96	0.5	12	15	6	10	w.	Mrs. Emily T. Sisco.
Bowling Green	Warren	569	43	41.5	— 4.0	80	2	10	9	39	5.47	+0.15	2.38	1.2	10	12	8	11	w.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	465	7	.....	.....	.....	.....	.....	.....	.....	4.45	.....	1.15	T.	10	.....	.....	.....	.....	T. Rone
Brownsville, Lock 6‡	Edmonson	410	15	.....	.....	.....	.....	.....	.....	.....	5.52	−0.79	1.70	T.	9	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	41	.....	.....	.....	.....	.....	.....	.....	4.76	−0.48	1.57	1.0	8	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	33	.....	.....	.....	.....	.....	.....	.....	2.44	−1.14	0.90	.....	8	.....	.....	.....	.....	Shelby Angel.
Cold Spring, Dam 36	Campbell	489	6	.....	.....	.....	.....	.....	.....	.....	2.94	.....	0.72	1.0	13	.....	.....	.....	.....	Reuben Hartley.
Dix Dam, Burgin	Mercer	770	8	42.8	.....	73	21	9	9	34	5.44	.....	1.36	0.1	11	9	7	15	sw.	C. W. Williams.
Eubank	Pulaski	1177	38	40.2	— 5.9	75	2	8	9	35	4.73	−0.25	2.60	0.2	7	7	9	15	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	40	40.6	— 6.0	72	21	8	9	36	5.12	+0.51	2.15	0.2	12	13	1	17	w.	Sidney Wood.
Franklin	Simpson	691	37	42.7	— 6.9	75	20†	10	9	35	5.17	+0.09	2.25	2.5	9	11	12	8	n.	M. E. Johnson.
Glasgow	Barren	449	21	.....	.....	.....	.....	.....	.....	.....	4.09	−0.07	1.88	0.5	12	.....	.....	.....	.....	Louis Shiddell.
Grant, Dam 38	Boone	780	7	.....	.....	.....	.....	.....	.....	.....	2.84	.....	0.93	1.0	11	.....	.....	.....	.....	H. W. Sprague.
Greensburg	Green	681	39	41.8	— 4.8	76	2	8	9	41	5.27	+0.10	2.72	T.	12	2	1	28	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	30	.....	.....	.....	.....	.....	.....	.....	4.92	+0.52	2.48	.....	9	.....	.....	.....	.....	Miss Ruby L. Simpson.
Irvington	Breckinridge	646	34	41.0	— 6.2	70	2†	8	9	32	4.27	−0.45	1.95	1.0	9	9	10	12	nw.	W. J. Pigrott.
Lancaster	Garrard	1032	6	.....	.....	.....	.....	.....	.....	.....	6.24	.....	1.70	0.2	12	.....	.....	.....	.....	John Anderson.
Leitchfield	Grayson	665	36	40.4	— 6.1	72	2	6	9	34	5.68	+0.95	1.75	1.8	13	7	16	8	s.	C. H. Willis.
Lexington	Fayette	989	38	37.0	— 6.7	71	21	5	9	33	4.95	+0.63	1.72	2.0	15	9	11	11	nw	U. S. Weather Bureau.
Little Hickman, Lock 8‡	Jessamine	523	21	.....	.....	.....	.....	.....	.....	.....	6.46	+2.63	1.64	.....	9	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	22	.....	.....	.....	.....	.....	.....	.....	3.68	−0.40	1.80	1.0	6	.....	.....	.....	.....	Frank Litch.
Louisville	Jefferson	525	59	38.7	— 6.7	71	21	6	9	31	3.92	−0.47	2.08	1.6	10	4	11	16	nw.	U. S. Weather Bureau.
Munfordville	Hart	600	9	.....	.....	.....	.....	.....	.....	.....	5.59	.....	1.65	1.0	10	.....	.....	.....	.....	A. G. Hubbard.
St. John	Hardin	777	36	40.1	— 5.4	73	2	6	9	37	5.79	+0.80	2.08	2.4	15	10	4	8	.....	Sisters of Loretto.
Salvisa, Lock 6‡	Mercer	490	18	.....	.....	.....	.....	.....	.....	.....	5.10	+1.62	1.15	0.5	9	.....	.....	.....	.....	Ernest M. Searcy.
Shelbyville	Shelby	825	43	38.5	— 6.4	69	21	6	9	33	4.75	−0.10	1.83	1.1	15	12	0	19	s.	Miss Ruth Ratta.
Taylorsville	Spencer	489	30	40.5	— 6.1	72	21	8	9	35	5.46	+0.82	1.87	0.2	10	12	10	9	nw.	R. D. Bourne.
Tyrone, Lock 5‡	Anderson	526	14	.....	.....	.....	.....	.....	.....	.....	6.28	+2.72	1.93	.....	9	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	543	29	38.0	— 6.6	70	21	5	9	38	3.72	−0.66	1.28	1.0	15	10	13	8	w.	Miss Nettie B. Simpson.
Woodburn, Lock 4‡	Warren	533	15	.....	.....	.....	.....	.....	.....	.....	6.61	+2.17	1.91	1.4	13	.....	.....	.....	.....	H. J. Lewis.
Eastern Division.																				
Annville	Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.89	.....	1.96	3.5	10	4	11	16	sw.	W. A. Worthington.
Ashland	Boyd	554	15	39.2	— 8.4	69	25†	9	9	37	5.69	+1.70	1.69	0.4	12	10	6	15	nw.	Jacob Armbruster.
Beattyville	Lee	780	28	39.4	— 6.5	75	21	6	9	42	6.29	+0.21	2.00	3.4	11	4	7	20	nw.	Robert S. Smallwood.
Berea	Madison	1070	27	40.4	— 6.7	76	21	8	9	36	6.51	+1.78	3.04	0.7	13	15	1	15	w.	Chas C. Graham.
College Hill, Lock 11	Madison	601	22	.....	.....	.....	.....	.....	.....	.....	4.36	+0.01	1.30	2.0	10	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	14	.....	.....	.....	.....	.....	.....	.....	4.84	+0.57	1.75	0.5	11	.....	.....	.....	.....	P. H. Rehoe.
Falmouth	Pendleton	600	43	.....	.....	.....	.....	.....	.....	.....	3.49	−0.64	1.23	T.	10	.....	.....	.....	.....	J. V. Oldham.
Farmers	Rowan	685	24	40.5	— 4.8	79b	26	9a	9	42a	6.45	+1.95	1.93	.....	9	7	2	22	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	843	6	.....	.....	.....	.....	.....	.....	.....	6.27	.....	2.20	.....	11	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10‡	Clark	593	15	.....	.....	.....	.....	.....	.....	.....	4.83	+1.26	1.28	2.5	9	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	7	.....	.....	.....	.....	.....	.....	.....	4.66	.....	1.40	2.2	11	.....	.....	.....	.....	Col. Frank Powers.
Greenup, Dam 30	Greenup	510	12	.....	.....	.....	.....	.....	.....	.....	5.49	+1.83	1.65	.....	15	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	4	42.0	.....	75	31	10	9	33	4.84	.....	1.91	4.5	11	12	1	18	sw.	W. W. Duffield.
Hazard	Perry	969	8	.....	.....	.....	.....	.....	.....	.....	4.51	.....	1.90	1.8	10	.....	.....	.....	.....	Chas. O. Ibrig.
Heidelberg, Lock 14	Lee	664	15	.....	.....	.....	.....	.....	.....	.....	6.77	+1.53	2.36	2.0	13	.....	.....	.....	.....	S. C. Cole.
Jenkins	Letcher	1566	7	.....	.....	.....	.....	.....	.....	.....	5.89	.....	1.30	.....	11	.....	.....	.....	.....	R. B. Davidson.
Louisa	Lawrence	584	24	.....	.....	.....	.....	.....	.....	.....	5.54	+1.45	2.00	.....	10	.....	.....	.....	.....	Russina Copley.
Manchester	Clay	.....	12	.....	.....	.....	.....	.....	.....	.....	4.19	−0.31	1.62	2.4	7	.....	.....	.....	w.	Jeanett H. White.
Maysville	Mason	524	35	38.8	— 5.8	69	21	9	9	31	4.47	−0.01	1.45	.....	13	6	7	18	sw.	Perry E. Bennett
Middlesboro	Bell	1128	56	34.4	— 4.1	76b	26	12a	8†	41a	4.41	−1.17	0.88	.....	8	13	17	1	.....	Matthew Woodson
Mount Sterling	Montgomery	930	42	.....	.....	.....	.....	4	9	.....	5.26	+0.05	1.76	4.5	12	.....	.....	.....	.....	W. R. McKee.
Oneonta, Dam 35‡	Campbell	497	6	.....	.....	.....	.....	.....	.....	.....	3.71	+0.13	0.90	0.4	11	.....	.....	.....	.....	Otto Riddle.
Pikeville	Pike	636	26	.....	.....	.....	.....	.....	.....	.....	4.98	+0.59	1.40	4.0	10	.....	.....	.....	.....	Robert Rogers
Pippapass	Knott	1035	7	40.8	.....	68	2†	10	9	43	4.22	.....	1.24	5.5	13	9	6	16	.....	W. Summerfield.
Prestonsburg	Floyd	656	7	.....	.....	.....	.....	.....	.....	.....	6.09	.....	2.06	.....	11	.....	.....	.....	.....	F. C. Hall.
Quicksand	Breathitt	752	6	40.6	.....	78a	21	7a	9	42a	5.77	.....	1.85	3.0	10	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	14	.....	.....	.....	.....	.....	.....	.....	5.88	+2.22	1.89	.....	10	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	906	43	39.4	— 6.6	68	3	8	9	34	5.98	+1.52	1.90	T.	9	12	0	19	.....	I. W. Crooke.
Riley View, Lock 9	Madison	540	19	.....	.....	.....	.....	.....	.....	.....	4.58	−0.76	1.40	4.0	13	.....	.....	.....	.....	Thos. Sullivan.
Ravenna, Dam 32	Leslie	525	17	.....	.....	.....	.....	.....	.....	.....	4.65	+0.03	1.56	.....	12	.....	.....	.....	.....	H. M. Fannin.
Skaggs	Letcher	1102	7	.....	.....	.....	.....	.....	.....	.....	4.55	.....	0.75	2.0	12	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	961	35	44.3	— 2.8	75	21	12	10	38	4.70	−0.29	0.95	3.5	10	13	9	9	.....	H. F. Davis.
Wolfe, Lock 13	Lee	611	13	.....	.....	.....	.....	.....	.....	.....	6.13	+1.97	2.30	2.5	11	.....	.....	.....	.....	Cleveland Angel
State averages and extremes				41.2	— 5.1	80	2†	4	9	43	4.95	+0.26	3.04	1.5	10	11	8	12	n.	

All temperature data are taken from self-record thermometers.

The departures from normal are based upon records and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. Brownsville and Woodburn are Locks on the Green River; other Locks are on the Kentucky River and its tributaries.

Dashes (—) in the precipitation columns indicate a trace; the letter T, that the precipitation is less than 0.01 inch; and figures followed by the letter e, that the precipitation is estimated. In the column headed "Number of days," 0 represents none, and figures, as 1, 2, 3, etc., appearing in the table indicate number of days missing; for example, 1 represents two days, etc.

Dagger letters, †, ‡, §, appearing in the table indicate number of days missing; for example, 1 represents two days, etc.

T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

* Also on other date(s). ‡ Reported too late to be included in means and summaries. ‡Lone Oak.

† Also on other date(s). ‡ Locks 8, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 4, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

§ Post-office and Cincinnati, Ohio. ‖ Locks 8, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 4, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.

Oneonta, California, Ky.

MISCELLANEOUS.

Lock 21.—Heavy hail occurred in Louisville, with no damage of importance. A [illegible] at Uniontown, Ky., caused damage estimated at $50,000. Two persons were [illegible]

Remarks.—Sharp rises occurred in all streams, especially the upper sections, on the 28th and 29th. The Ohio was comparatively high and rising, but not at flood stage when the month closed.

Daily Precipitation for March, 1932.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
er Dam ..... G				.15		.10										1.20						.07										
oun ..... G	T	.15	.40	.08	.06			T	T	T		T		.01		.02	2.60				.07	.16			T	1.45	.05		.57	.40		
ington ..... G			.52	.08	.08	T.		.04								1.26					.02	.26				2.60			.40		
s Ferry, Dam 50		.10		.40		.10		T.	.05	T.	T.		T	T.		2.35	.64					.05			T	.25	.44	T.		.05		
nville ..... G			.82	.15	.12			.04	.02			T.				.83					T	.05				2.55					
derson ..... O			.44	.18	.44																										
nsville C			.71	.01	.12	T.	T.	.02	T.	T.		T.				.03	1.81				.10										
dsville ..... M			.70		.08			.05								.28					.08	.11				.02	.02				
on ..... O			.66	.43	.05		.10									.75					.18										
field ..... M			.84		.05											1.48					.20										
ray ..... T			.63			.22		.18				T				.40										2.50					
sboro ..... O	T.	.06	.27	.02	T.			T.	T.			T.				.45					T.	.11				.20	3.02	T		1.45		
esboro, Dam 46		.05		.29		.10	T.	T.	.01	.01	.02		T.	.01	T	2.30		T			T.	.18			T.	.75	.06		.20	.75		
ach (near) ..... O		.02	.75		.10							.10				2.67		T				.14			T	.44	.27	.05		.80		
wah ..... O		.06	T.	.55	T.	.10		T.	T.							1.10						.08				1.50					
eton ..... G			.66		.06			.06	.01	T		T.				1.05						.17			T.	1.83	.48			.80		
ey, Lock No. 2		.17		.45		.05		T.	T.	T.						.60					.15				T	2.16	T		1.20			
ellville ..... G				.71		.04										1.97						.17				.78	.44			1.15		
natown, Dam 49		.19		.36		.07			.02			T.				2.12	.02				1.15					.12	.16		T	.74		
Central Division																																
son, Dam 45		.04	.31		.05			T.					T.			2.14	.10	.04	.01	.39					.30	.32	.05	.03		.45		
orange ..... O			.31	.03	T.	.04		T	T			T.	T.		T.	2.93										.34			.42	.44		
stown ..... S			.50	.10		.18		.64	.03							1.22					.40				.06	1.86	.10		.75	1.05		
ing Green ..... G			.65	.15	T.	.18			.05			T.									.58				.06	2.38	.20		.45	.80		
ing Green, No. 2						.03			.02	T.		T.				.30					.14				.04	.76	.75	.05		1.12		
nsville, Lock No. 6			.74		T.		T.	T.	T.			T.	T.	T.		.52	.04				.24				.05	1.70	.90	.15		1.42		
side C		1.12		.10				T.	T.			.15	T.			1.20					.17					4.15	T.	T.		4.76		
dilton (Lock No. 1) ..... K		.10	.19		.09									.04		.90									.08		.48			.62		
Spring, Dam 36		.25	.50		.04			T.	T.					.02	T.		.12	.18	T.	.05	.85				.08	.03	.23	.03		.55		
ham, Burgin ..... K	.03		.42		.10							T.			1.05	.05			T.	.20				.08	1.83	1.36		.70			
nk C					.01									.01											.28	.75	2.05			.58		
cfort ..... K		.05		.33		.05	T.	.01	T.			T.	.02	T.		2.15	.03				.40				.02	.45	.80		T.	.94		
ton ..... G			.53		.10		.10				.05		.16			.84					.24				.08	2.25	.12		.40	.80		
Lock No. 3 ..... K		.04		.38		.04		T.					.10	T.		1.88	.02				.30				.01	.01	.52		.60	.56		
, Dam 33 ..... O		.16		.42		.05	T.		T.	T.				.05		.93	.02	T.	T		.20				.10	T.	.36	.05	T	.80		
sburg ..... O		.02	.36	.28		.07							.03			.35					.12				.15	2.72	.17		.87	.15		
Bridge, Lock No. 7 ..... K				.43		.04		T.	T					.01		.98	.18				.67					1.48	1.18			.50		
gton ..... O	T.	.02	.20	T.	.10			T.	T.	T.		T.	T	T	T.	1.95					.32				T.	1.03	.02		.05	.55		
ester ..... K			.52	.20		.01			.01			.02	.01		.82		.02			.48					1.60	1.20			.70	.16		
field ..... G	.07	.25	.05	T.	.10		.03	T.				T				.15	1.10				.21	.27				1.75	.15		.40	1.10		
gton *** ..... K	T.	.02	.25	.07	.05	.03		.01	T.			.01	T.	.04		.56	1.16		T.	T.	.09	T.			.23	1.59			.45	.30		
Blickman, Lock No. 8 ..... K		.50		.67					T.	T.	T.	T.		.40			1.10	.10			.50				T.	11.64	1.05					
ort, Lock No. 2 ..... K		T.	.85		.15			T.	T.		T.	T.	T.	T.		1.80									T.	.50						
ville *** ..... O	T.	.05	.27	T.	.07	T.		T.	T.			T.	T.	T.		1.80					.23				T.	.50			.65			
rdville ..... G	T.			.56		.03			T.					T		.70	.04				.24				T.	.50	T.		.48	.15		
hn ..... S	.05	.10	.25		.15	.05	T.					.02	.02			2.20					.45				.05	1.05	.03	.10		.22		
n, Lock No 6 ..... K		.10		.40	T.		T.		.05				T			1.15					.25				.15	1.15	1.10		T.	.75		
yville ..... S	.11	.18	.16	.02	.12			T.	T.	T.	T.	T.	T.	.15	.03	1.83			.04		.30				.03	.76	.13		.03	1.70		
rsville ..... S	.03		.19	.15	T.		.03	T.	T.	T.	T.	T.	T.			1.87				T.	.68				.07	1.29	.07		1.08			
e, Lock No. 5 ..... K		.06	.48		.06			.04	T.				T			1.93				.80					.06	1.20			.92			
nstown L		.18	.17	.31		.08		.01	.03					.05		1.28		.03	.01		.24				.05	.25	.20			3.52		
bury, Lock No. 4 ..... G	.01		.07	.79		.08		T.	.05	T.			.01	.01		.49					.52				.04	1.01	1.12	.04		1.54		
Eastern Division																																
lle C	.02		.94			.16						.03	.02			.10					.34					.70	1.26			.62		
nd ..... G		.09	T.	.42		.05		.03						.03		1.60	.57				.29				T.	.51	1.09	.03		.33		
ville ..... K	T.		.63		.13	T.	T.	.04	T.			.05	.02	T.		.42	.05				.23					1.15	2.00			.53		
e Hill, Lock No. 11 ..... K		T.		.30		.10		T.				.02			T	.65				.04	.50				.20	3.04	.25		.55		
ana L	.04		.35		.04	T.		T.	T.	T.		.05	.05			.90	.10		T		.20				T.	1.30	1.30			.70		
uth L	.25		.46		.05	T.	T.	T.	T.		T		.03	T.		1.75	.05			T.	.61				.02	.15	1.56			.65		
rs L	.17		.55		.07								T.	T.		1.22	T.				.16		.01		.05	.03	.50		T.	.71		
ggsburg L	.28	.56		.26				.02			.03		.08			1.59					.63					.99	1.93			.45		
Lock No. 10 ..... K	.05		.41		T	T.	T.	T.			T.	T.	.01	T.		1.00	T.			T.	.48	T.			.04	1.04	1.13		T.	.48		
ur ..... O	.24		.78				.02	.05					.15			.90					.44				.03	.51	1.40			.89		
p, Dam 30 ..... O	.08	.03	.40		.05				.01				.04	.01		1.10	.40	.30			.36					.35	1.65		.01	.45		
1 C	.04		.09		.05							.02	.10	.24	.03	.34		1.02								.91					
berg, Lock No. 14 ..... K	.02		.63		.11			.05	.01			T.	.05	.04	T.	.10					.80				.02	1.05			.35		
s ..... K		99	.10		.57								.03	.01	.01	.44					.29				.30	2.36			.48		
..... B	.12		.58		.07							.28	.15	.16		.11					.71					1.60		.40	.38		
ester ..... B			1.02		.02									.05		.95	.21				.46				.42	.60			.12		
lle ..... O	.22	.02	.45	.08	T.		T.	T.			T	.02	T.		1.45	.28	T				.43	T		.01	.03	.80	.03		.50		
sboro C		.30	.65													.05				.24	.75				.85	.87			.65		
Sterling L	T.	.08	.03		.12	.05							.40	.03		1.15				T.	.26			.25	1.75	.26			.91		
a, Dam 35 ..... O	.50	T.	.40		.04	T.		T.	T.		T.	T.	.01	T.		.90	.12	T.			.76	T.		.07	T.	.35	.04			.71		
lle ..... B	.06	.05	1.15		.10	T.		T.				.20	T.	.10		T.				1.40					.52	1.15			.25		
ass ..... K	.08	.10	.86		.20	.10		T.			T.	.05	.20			.04			.35	.20					.30	1.24			.56		
sburg ..... B	.09		.85		.30							.10	.07	.09		.43				1.18					.50	2.56			.40		
and ..... K			.78		.05			.10				.05		.10		.05					.58				.70	1.85			.61		
a, Lock No. 12 ..... K	T.		.70		.14			.03	T.			.05	T.	T.		.03	T.		.08	T	.28					1.52	1.89			.59		
nd ..... K	.03		.50		.10			T.								1.00					.03				.30	1.90	1.00			.70		
View, Lock No. 9 ..... K	.02	.85		.07								.03	.04		.25	.01				.47				1.40	.70		.65		.35		
urg, Dam No. 32 ..... O	.22	.10	.36		.05			.04						.04		1.56	.18				.52				.09	.86	.10		.57	.65		
burg ..... K		.02	.95	.02	.34	.02															.76	.01								.22		
sburg C			.35		.10			.10				.10	.05			.20					.95				.65	.55			.05		
, Lock No. 13 ..... K	.05		.70		.20			.05				.05	.03			.75	.65				.85				1.00	2.30			.50		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the e of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. Precipitation included in the next following measurement.

Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big sandy (L) Licking; (K) Kentucky; (S) salt; (G) Green; (C) Cumberland Tennessee; (O) Ohio; (M) Mississippi.

¶Long Oak.

Daily Temperatures for March, 1932.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Paducah	Maximum	58	76	65	52	47	36	31	29	26	32	37	34	38	34	48	60	59	59	67	66	72	72	57	68	70	68	56	57	72	59	52	53
	Minimum	42	45	44	41	25	15	14	19	9	13	18	21	15	22	18	35	41	25	37	42	45	33	27	27	37	55	41	30	32	49	36	30
	Maximum	60	71	61	52	47	27	29	27	22	31	34	32	37	31	47	61	60	55	61	61	73	70	56	65	70	68	56	58	72	68	52	52
Calhoun	Minimum	46	45	46	42	28	14	18	20	10	16	22	23	17	23	26	38	41	29	42	41	45	34	31	33	44	59	42	33	36	51	37	32
	Maximum	65	74	69	61	46	36	32	37	29	34	34	31	37	34	49	62	62	57	66	68	73	70	65	65	72	69	57	59	72	70	58	53
Hopkinsville	Minimum	44	50	46	42	38	16	15	20	10	15	21	22	17	23	22	38	42	26	37	43	47	42	30	29	42	58	42	31	34	58	37	33
	Maximum	61	71	61	51	45	28	31	26	24	32	34	31	37	35	50	61	60	55	58	56	65	67	57	57	61	59	56	58	72	69	52	51
Greenville	Minimum	42	47	44	41	23	14	13	19	8	11	19	20	13	21	18	37	40	25	38	55	45	33	27	27	41	55	39	25	23	49	26	31
	Maximum	59	67	59	58	54	27	28	26	24	31	35	36	35	36	48	64	61	56	64	63	67	72	58	63	69	64	52	61	72	67	52	51
Henderson	Minimum	41	54	45	40	22	11	13	18	11	13	19	15	12	21	21	33	39	27	39	37	36	33	30	31	42	51	42	32	26	50	35	30
	Maximum	65	79	66	59	47	32	35	31	28	35	37	33	39	35	54	64	60	58	69	68	76	69	63	67	74	69	57	61	71	68	55	55
Hopkinsville	Minimum	48	52	48	42	24	23	15	21	10	14	24	21	16	23	24	38	42	27	37	46	51	42	30	33	44	58	42	31	30	59	37	34
	Maximum	69	67	59	46	47	32	32	31	26	33	35	34	39	38	57	68	68	56	66	71	76	73	58	68	72	72	58	64	72	70	56	54
Louisville	Minimum	49	56	45	42	26	18	15	20	10	16	23	24	17	23	26	40	40	26	37	44	54	43	38	38	52	58	43	30	29	54	37	33
	Maximum	56	70	54	51	50	47	29	30	25	31	37	33	34	35	50	60	58	55	64	64	74	70	55	64	70	70	59	61	75	71	59	55
Marion	Minimum	45	47	46	44	32	15	14	18	8	14	22	22	16	21	21	46	38	29	39	39	46	32	34	33	46	44	40	34	33	50	35	32
	Maximum	..	..	61	51	53	32	31	31	25	31	34	32	37	36	50	62	62	56	..	..	..	..	42	42	53	56	43	41	51	40	53	49
Mayfield	Minimum	..	..	48	40	22	17	18	20	9	15	24	21	16	22	26	43	39	29	..	..	..	..	32	33	39	43	31	31	40	53	39	36
	Maximum	70	76	58	52	57	32	33	30	25	32	36	33	38	37	59	68	66	58	67	80	80	72	57	67	74	69	57	63	75	64	56	55
Murray	Minimum	45	59	48	45	29	17	15	21	9	14	24	21	17	23	22	37	41	25	42	46	61	53	37	37	48	48	43	33	32	60	39	37
	Maximum	64	68	63	46	48	35	24	25	24	29	27	31	36	34	46	62	62	52	62	62	69	69	62	65	68	58	54	60	68	64	54	52
Owensboro	Minimum	41	38	44	39	30	9	11	16	7	12	20	21	13	20	19	38	38	26	36	37	45	33	25	30	42	55	39	34	28	53	34	30
	Maximum	66	67	56	50	50	30	31	30	24	32	35	34	38	35	56	66	66	56	66	72	75	75	60	66	72	68	58	63	74	67	55	54
Padueah (near)	Minimum	46	49	46	42	28	18	16	19	10	17	24	23	17	23	25	40	40	28	38	40	52	43	36	36	45	56	44	33	30	54	36	33
	Maximum	58	71	62	46	46	25	30	25	26	32	33	30	35	36	50	65	64	56	66	..	76	74	58	68	73	68	55	61	74	69	56	54
Princeton	Minimum	43	47	49	42	42	16	14	14	10	11	18	24	16	22	26	33	41	17	24	46	..	44	24	27	35	52	44	31	35	52	36	34
	Maximum	60	63	61	54	50	32	33	31	28	35	37	34	38	37	53	64	63	58	67	68	74	72	59	67	72	69	57	62	72	69	56	55
Russellville	Minimum	43	47	49	42	42	16	14	14	10	11	18	24	16	22	26	33	41	17	24	46	..	44	24	27	35	52	44	31	35	52	36	34
Central Division																																	
Bowling Green	Maximum	59	66	68	47	46	28	27	22	21	27	32	31	32	32	38	60	59	52	66	68	71	54	46	60	..	73	46	50	68	60	51	54
	Minimum	30	38	44	27	28	16	16	15	6	12	12	16	15	16	12	38	35	32	34	41	57	46	34	25	25	40	34	27	30	49	28	32
Cumberland	Maximum	66	71	59	56	45	42	36	30	24	32	37	35	35	33	44	61	57	56	64	68	73	70	56	71	67	56	50	63	74	70	56	54
	Minimum	34	40	46	29	26	11	12	16	6	13	16	22	14	22	18	31	39	27	43	38	40	35	25	32	36	52	38	26	32	50	30	34
Glasgow	Maximum	62	65	70	59	53	41	36	32	25	35	37	34	42	35	51	61	60	58	66	68	73	68	58	68	72	67	60	57	72	67	54	52
	Minimum	41	48	52	44	37	14	15	22	10	16	22	22	16	23	19	33	44	28	40	47	50	38	28	30	42	53	40	33	34	53	36	36
Hardyville	Maximum	63	70	65	54	48	46	29	24	22	30	35	35	33	30	40	61	55	51	61	66	75	69	58	62	69	63	57	58	68	67	53	52
	Minimum	35	41	47	42	40	32	12	18	9	13	17	24	17	23	15	30	40	28	41	38	46	34	28	30	41	54	37	30	30	52	34	34
Horse Cave	Maximum	64	75	67	52	47	44	30	25	22	31	36	33	38	35	48	64	62	55	66	68	72	68	58	62	70	67	59	58	68	67	55	54
	Minimum	34	42	47	36	40	16	18	8	13	14	20	13	22	28	28	40	42	31	43	38	45	33	28	33	42	52	38	32	32	50	38	34
Lebanon	Maximum	64	69	63	50	48	46	26	27	22	31	36	33	35	32	44	63	58	55	62	66	72	68	53	62	70	67	59	58	68	67	55	54
	Minimum	44	50	44	40	37	11	12	15	8	13	15	21	16	22	13	25	46	28	40	34	50	43	25	27	32	52	36	26	32	50	36	36
Louisville	Maximum	58	71	65	57	51	31	31	29	23	35	41	37	43	38	47	59	59	62	65	73	75	68	59	65	71	66	64	64	74	71	59	55
	Minimum	44	51	52	44	23	14	16	22	10	15	25	23	17	23	23	40	45	29	45	47	61	35	26	30	42	54	39	32	37	51	37	37
Louisville	Maximum	62	76	67	54	50	34	32	27	29	33	37	33	36	34	49	62	60	57	66	65	75	69	54	65	71	66	64	64	74	71	59	54
	Minimum	45	51	52	44	24

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

Vol. XXXVII LOUISVILLE, KY., APRIL, 1922 No. 4

GENERAL SUMMARY.

Except for a dry, warm week at the beginning, weather conditions were generally unfavorable for farm activities and seasonal growth. Frequent showers kept the soil almost continuously too wet, so that plowing could not be completed. Cool, cloudy, showery weather in the second and third weeks discouraged corn planting and prevented much progress in gardening. A few warm days in the last week led to some corn planting, but showers almost daily and the return of unseasonably low temperatures so seriously interfered with the work that only a beginning had been made when the month ended, and in many farms no corn had been planted.

The sowing of tobacco plantbeds continued after the first of the month. In these beds and many of those sown earlier plants did not appear until the 15th. Cool weather and lack of sunshine retarded their growth. Wheat, rye, barley and the early vegetables made good growth, but none of these exhibited seasonal progress. Oats sowing was delayed but good stands were obtained. The cool, damp weather favored young clover and spring sown grasses.

The reaction of the varying soils and drainage to the cool, wet weather caused grass pastures to show marked irregularity of growth. On the well drained limestone uplands they became most luxuriant, while on the colder and wetter soils with poor drainage they made slow progress. Clover and timothy fields showed the same irregularities.

Potatoes planted before the March freeze had to be extensively replanted, which made a large part of this crop very late. Planting continued into the third week. Cherries bloomed rather heavily and grapes, bush berries and strawberries appeared to be in promising condition. On account of the general backwardness of vegetation the killing frosts of the 13th and 14th, and heavy frosts on the 27th and 28th, in northeastern districts caused no damage. At the close, farm work, tobacco plants, and corn were two to three weeks late.

TEMPERATURE.

The short warm periods were balanced by the long cool period in the middle of the month and the sharp cold spell of the last week, so that the average temperature of 55.0° was practically normal. As a rule, the warmest weather occurred in the third week, when the daily means ranged from 5° to 20° above normal. The deficit below the normal during the last week was nearly as pronounced. Extremes were 86° at Bowling Green on the 5th and 25° at Mt. Sterling on the 1st.

PRECIPITATION.

The average precipitation based on the reports of 81 stations, is nearly normal. In general, it was somewhat lighter than normal at most stations in the eastern half of the State, especially in the west central counties, extending southward from the Ohio and Big Sandy valleys, and heavier than normal in the western

Climatological Data for April, 1932.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation in inches Total	Departure from the normal	Greatest in 24 hours	Total snowfall, melted	Number of days: With precip. of .01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Western Division.																				
Beaver Dam	Ohio	441	28	58.6	+ 0.9	83	5†	28	13	40	5.19	+0.76	1.80	0	7	17	3	10	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	28	59.0	+ 1.2	83	5	34	13‡	34	5.04	+1.29	1.38	0	9	7	13	10	ne.	W. A. Taylor.
Earlington	Hopkins	429	42	59.4	+ 2.0	82	5†	30	13‡	38	4.21	+0.12	1.50	0	9	14	5	11	sw.	Brick Southworth
Fords Ferry, Dam 50	Crittenden	356	3								3.52		1.80	0	7					W. D. Hatcher.
Greenville	Muhlenberg	510	15	57.4	+ 1.3	82	5	27	13	36	5.27	+0.75	1.82	0	11	14	6	10	s.	C. R. Lovell.
Henderson	Henderson	382	18	58.2		84	20	33	13	36	3.61	+0.02	0.70	0	11	18	4	8	ne.	Richard Stites
Hopkinsville	Christian	524	36	59.4	+ 1.2	85	5	30	13	42	5.87	+1.47	1.61	0	9	8	4	18	n.	W. E. Graves.
Lawrenceville	Ballard		3	59.7		84	22	30	13	39	3.28		1.50	0	6	17	4	7		Blaine Malone.
Marion	Crittenden	671	34			*91	20	*32	27	*46	2.88	−1.57	0.98	0	6	19	4	7		B. C. Paris.
Mayfield	Graves	364	28	*61.2	+ 3.0	*85	23	34	27	*45	2.93	−1.57	0.90	0	5	18	5	7	se.	Mrs. C. R. Sowell.
Murray	Calloway	412	6	59.2		86	22	29	13	41	4.91		1.57	0	9	9	11	10	s.	Harry B. Arnold
Owensboro	Daviess	479	35	55.9	+ 0.4	80	22	30	13	38	4.73	+0.96	1.88	0	8	12	3	15	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	4								4.66		1.93	0	9					George McGlemary.
Paducah (near)§	McCracken	516	15	60.2	+ 2.0	86	20	33	13	36	4.29	−1.27	1.10	0	10	17	4	9	e.	J. W. Lilley
Paducah	McCracken	341	48								3.35	−1.26	1.05	0	8					Frank L. Brown.
Princeton	Caldwell	510	25	59.0	+ 0.9	83	6	30	13‡	39	4.59	+0.59	1.02	0	10	14	9	7	n.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	384	15								4.81	−0.59	1.56	0	7					Thos. L. Wetzell.
Russellville	Logan	580	21	55.6	−1.1	80	6	29	15	36	5.66	+0.83	2.26	0	11	14	7	9	n.	Wm. Shelton.
Uniontown, Dam 43	Union	357	4								3.57		1.43	0	8					Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	352	4								5.83		1.46	0	11					C. L. Moore.
Anchorage	Jefferson	709	31	53.4	− 0.5	80	2†	25	18	36	2.86	−1.66	0.84	0	12	17	4	9	se.	C. E. Barret.
Bardstown	Nelson	687	55	55.7	+ 0.1	81	5	27	13	39	4.30	−0.39	0.95	0	13	17	8	5	e.	Mrs. Emily T. Sisco.
Bowling Green	Warren	560	43	59.4	+ 1.1	86	5	33	13	39	7.21	+2.76	2.40	0	12	13	9	8	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	463	7								4.46		2.35	0	10					T. Rone
Brandenburg, Lock 6	Meade	410	15								4.95	−0.16	2.13	0	11					Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	479	41								3.01	−1.11	0.73	0	11					T. A. Lewis
Burnside	Pulaski	422	33								2.19	−1.56	0.85	0	6					Shelby Angel.
Carrollton, Lock 1	Carroll	489	6								2.58		1.07	T.	10					Reuben Hartley.
Cedar Spring, Dam 46	Campbell	480	6								3.65		1.27	0	11	10	11	9	sw.	C. W. Williams.
Dix Dam, Burgin	Mercer	770	8	56.6		82	23	31	15	36	4.58	−0.42	1.07	0	11	6	9	15	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	48	54.4	− 0.1	81	22	25	13‡	40	4.72	+0.86	1.31	0	11	12	5	13	se.	Sidney Wood.
Frankfort	Franklin	560	40	55.2	− 0.6	82	5	27	15	41	4.72	+0.86	1.31	0	11	11	9	10	n.	M. E. Johnson.
Franklin	Simpson	604	37	57.2	− 2.0	80	5	32	15	34	8.34	+3.93	2.85	0	13	11	9	10	n.	Louis Shiddell.
Frenchburg	Menifee	1100	4								3.83	−0.12	1.26	0	13					H. W. Sprague.
Grand, Dam 38	Henry	419	21								2.85		0.75	0	11					
Grand, Dam 38	Boone	730	7								4.41	+0.48	1.18	0	10	3	8	24	ne.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	881	39	56.1	+ 0.8	82	22	27	13	42	3.42	−0.29	0.98	0	13					Miss Ruby L. Simpson.
High Bridge, Lock 7	Jessamine	850	30								5.24	+1.14	1.36	0	11	14	3	13	nw.	W. J. Taggett.
Lexington	Breckinridge	940	34	56.5	+ 0.6	80	5	33	13‡	32	3.03		1.02	0	11					John Anderson.
Lancaster	Garrard	1032	6								4.58	+0.48	1.60	0	13	10	10	10	n.	H. H. Willis.
Leitchfield	Grayson	635	36	56.1	+ 0.5	86	5	32	15	35	3.82	−0.18	1.01	T.	13	13	9	8	e.	U. S. Weather Bureau
Lexington	Fayette	980	48	55.9	− 0.4	78	23	31	13	37	3.41	−0.15	1.13	0	11					Horace Cauter.
Millersburg, Lock 8	Jessamine	823	21								4.34	+0.22	0.98	0	8					Frank Litch
Nicholasville, Lock 2	Jessamine	870	22								3.39	−0.43	0.95	0	15	8	8	14	n.	U. S. Weather Bureau.
Shepherd	Jefferson	525	59	55.6	− 0.8	79	5	34	13	37	5.98		2.02	0	12					A. G. Hubbard.
Smithfield	Hart	600	9								4.79	+0.61	1.56	0	10	17	4	9		Sisters of Loretto.
Upton	Hardin	777	36	51.9	+ 0.3	80	6	28	13	37	4.09	−0.91	1.00	0	12					Ernest M. Searcy.
Wilmore, Lock 6§	Mercer	890	18								6.47	+2.58	1.98	0	15	11	2	17	ne.	Miss Ruth Ratta.
Smithville	Ogelby	825	43	53.4	− 1.3	80	5	30	14	35	4.06	−0.31	0.96	0	12	11	7	12	e.	E. D. Bourne.
Taylorsville	Spencer	494	30	*54.9	+ 0.3	78*	5†	28*	15	34*	3.96	−0.45	1.14	0	12					H. K. Vaughn.
Tyrone, Lock 5§	Anderson	526	14								3.19	−1.11	0.80	0	5	18	4	8	e.	Miss Nettie B. Simpson.
Waterworks	Grant	930	29	54.2	+ 1.4	85	23	27	13‡	40	6.18	+1.04	2.47	0	13					H. J. Lewis.
Wilmore, Lock 4 §	Jessamine	850	15								5.56		2.00	0	11					
Eastern Division.																				
Ashville	Jackson										2.56		0.72	T	13	11	6	13	sw.	W. A. Worshington.
Ashland	Boyd	551	15	51.1	− 1.7	78	21	23	15	40	2.05	−1.28	0.95	0	9	15	2	13	nw.	Jacob Armbruster.
Beattyville	Lee	650	28	55.1	+ 0.6	83	20†	28	15	33	4.51	+1.24	1.70	0	13	13	8	9	w.	Robert S. Smallwood.
Berea	Madison	1050	22	55.7	− 0.1	77	22	30	13	39	3.28	−0.04	0.96	0	15					Chas. C. Graham.
Boonesboro, Lock 11	Madison	693	22								1.48	−0.46	1.70	0	9					Kerry Walden
Cane Valley	Harrison	684	14								1.21	−0.59	1.56	0	2					I. V. Oldham
Catlettsburg	Boyd	630	43								2.65	−1.51	1.00	0	9	11	2	13	e.	Mrs. R. F. Stamper.
Cornwall	Bracken	668	24	*55.4	+ 0.7	82*	23	25*	13‡	51*	4.31		1.53	0	5					C. A. Glascock
Crittenden	Fleming	841	7								2.58	−0.62	0.62	0	12					John A. Walters.
Ford Lock 10§	Clark	868	15								3.57		0.88	0	8					Col. Frank Powers
Graysport	Lawrence	580	7								2.66	−1.00	0.90	0	12					P. Mitchell.
Greenup, Dam 30	Greenup	540	12								4.00		1.48	0	10	19	2	9	sw.	W. W. Duffield.
Harlan	Harlan	1197	4	55.8		80	23	29	13	31	2.77		0.96	0	10					Chas. O. Brig.
Henry	Henry	800	8								3.20	+0.34	0.95	0	13					S. C. Cole.
Heidelberg, Lock 14	Lee	661	15								3.15		0.83	0	10					H. R. Davidson.
Hendricks	Lawrence	1 500	7								2.58	−0.93	1.00	0	12					Russian Copley.
Jamestown	Lawrence	584	24								3.09	−0.73	0.92	0	9					Bennett H. White.
Manchester	Clay		12								3.37	−0.27	0.97	0	11	12	3	15	sw.	Terry E. Bennett
Maysville	Mason	524	45	52.1	− 2.0	75	5	28	1†	37	3.32	−1.31	1.25	0	9	17	12	1		Matthew Woodson
Middlesboro	Bell	1126	26	56.5	− 0.1	84	22	27	15	35	2.70	−1.49	0.82	0	13	11	7	9	w.	W. R. McKee.
Morehead	Rowan	780	12	52.4	− 1.4	82	20	26	1†	38	2.78	−1.45	1.26	0	13					Otto Fiddler.
Mount Sterling	Montgomery	1000	5								2.34	−1.24	0.55	0	8					Robert Rogers
Mount Sterling, Dam 35§	Montgomery	697	5								2.26		1.02	0	8					W. W. Summerfield.
Pikeville	Pike	636	26								2.26		1.02	0	11	19	1	10		I. C. Hall.
Pineville	Knox	1035		55.9		79	25†	29	13‡	30	2.46		0.60	0	9					R. W. Jones.
Quicksand, Lock 12	Breathitt	1000	7								2.48		0.76	0	10					Walter P. Bush.
Richmond	Madison	735	6	55.2		84	23	26	13	46	4.10	+1.01	1.32	0	12					I. W. Crooke.
Riverton, Lock 13	Mason	624	14								3.78	+0.09	1.00	0	*13	14	4	12		Thos. Sullivan.
Salyersville	Magoffin	676	41	54.4	− 1.5	84	21	30	18	36	2.76	−1.29	0.91	0	11					H. M. Fannin.
Vanceburg, Lock 9	Lewis	541	19								2.83	−0.89	0.88	0	10					C. B. Zimmerman.
Warfield, W. Va.	Lawrence	535	17								2.57		0.67	0	12					W. E. Davis.
Williamson, W. Va.	Mingo	1142	7								2.87	−1.40	0.93	0	13	10	5	6		Cleveland Angel
Wolfe City	Lee	1	25	58.4	− 1.6	81	3†	29	1*	45	3.40	−0.70	1.10	0	11					
Woodbine	Knox	911	13								3.38	−0.18	2.38	T	10	13	6	11	n.	
Average and total for the month				56.4	− 0.3	86	5†	25	1*	51	3.88	−0.18	2.38	T	10	13	6	11	n.	

[illegible] Data are taken from a self-registering instrument. [illegible] are compared only for those stations that have ten or more years of record, and all complete reports are [illegible]. Shawnee, Brownsville and Woodbury are locks on the Green River; Ford Locks are on the Kentucky River [illegible]. Beattyville, Cane Valley and Salyersville are on the Licking River. [illegible] Dates of occurrence are given in numerical order. [illegible] Precipitation is less than 0.01 inch; rain or melted snow. § Lock. ‖ Dam. ¶ Observer. ** Observer has left the station. †† Observer has been transferred to the station. ‡ Observer has been appointed to the station. ‡‡ Observer has died. Locks: L, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky. Scott, Independence, Ky. Cabbarus, Ky.

MISCELLANEOUS.

[illegible] buildings were [illegible] and [illegible] were damaged by cyclonic [illegible] den, Graves, and Allen counties. One person was injured in Warren and one in Graves [illegible] by falling debris. Hail was reported from most of these, but the heaviest damage from [illegible] this occurred in Simpson.

Daily Precipitation for April, 1932.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Western Division																															
Beaver Dam G								.56	.38																						
Calhoun G								.47	.03	T																					
Earlington G							.31	.47	.03	T							T				T	1.12		.06		.24	.80	.22			1.50
Fords Perry, Dam 50 O								.64	.15																						
Greenville G								.52	.18	T	T.							.22			.10	.70		.20	.25					1.20	
Henderson O							.48	.27	.05									.09			T.	.42		.08	T					1.53	
Hopkinsville C							.19	.55	.18			.02					.18			.01	.62		.04								
Lowellsville M								.97	.20												.70	.02	.11	.54	.16						
Madisonville O							.33	.40									T.	.73			.31	.68		.14	.20	.15				1.81	
Mayfield M							.18	.56									.34			.11				1.06							
Murray T							.58	.75									.10					.52							.60		
Owensboro O								1.57	.11								.07												.32		
Owensboro, Dam 46 O								.35	.65							.51	.41													.63	
Paducah (near) ¶ O								.34	.45		.04										.22	T	.28	.59	.11						
Paducah O							.28	.47									T.				.10	.30		.41	.58	.06				1.88	
Princeton G								.61													.70	.65		.04	.04	.09	.01			1.98	
Ramsey, Lock No. 2 G							.26	.62		T		.05					T.	.20			.25	.43	T.	.80	.60	.05				1.26	
Russellville G								.44	.28								.50			.04	.70		.10	.20	1.00						
Uniontown Dam 49 O								.65	.06		.03			.02								1.15		.10	.80	.30			1.02		
Central Division								.27	.17										.47		.08	.66		.10	.50	.35				2.26	
Addison, Dam 45 O	.01																				.11	1.43		.11	.20	.05				1.16	
Annville K								.35	.80	.01	.04	.01																			
Bardstown S							.14	.54	.13	.16	.08		T.	.09		.08					.07	.10		.34	1.15	.08				1.46	
Bowling Green G								.74	.17	.15	.07	.08		.09						.04	.19		.09	.06	.85						
Bowling Green, No. 2 G		.08					.10	.37	.08	.57				.14			.02				.15	.13		.13	.80	.75				3.61	
Brownsville, Lock No. 6 K		.07						.52	.93		.03			T			.49				.10	.60		.39	1.18	.22			1.05		
Burnside K								.35	.43		T.	.05						.44				.63		.45	.35	.28				2.40	
Carrollton (Lock No. 1) K						T.		.14	.26	.67	.15	.04		.21				T.			.03	.55		.26	1.01	.22				2.13	
Cold spring, Dam 36 ¶ O	.10	T.						.27		.12	.01										T.	.08		.52	.78	.57	T				
Dix Dam, Burgin K								.3	.85	.04	.05	.04										.66		.52	.74						
Eubank S							.28	.63	.02	.02	.05		.20				T.				T.	T.		.12	.25	T.	.02			2.47	
Frankfort ¶ K								.25	.76	.21	.06	.03								.04			.37	1.27	.28						
Franklin G								.38	.59	.1	.3	1.		.05							.11	.08		.27	1.07	.21				3.61	
Frick, Lock No. 3 K		.03					.08	.83	.18					.08			.40	.05			T.	.06		2.1	.33	.10				3.58	
Grant, Dam 33 O		.12						.28	1.26	.78	.10	.02		T			.04			.42	.53		.64	1.17	1.70						
Greenup K		.07						.40	.75	.18	.08	.02									.02	.05		.17	1.10	.12				8.2	
Hall Bridge, Lock No. 7 K		.18						.67	.16	T	.09	.05		T.							.01			.15	.42	.03	T				
Hampton O								.28	.54	.02	.09	.05									.53	.04		.52	1.18	.38	T.			2.80	
Hanchester K							.68	1.25	.15	.04	T						.01				.10	.12		.16	.36	.30	T			4.04	
Hartland G							.60	.12	.54	.03		.06								.5	.74		.26	.41	.51	T		.10	1.42	
Hopkinsville *** K								.35	.42	.18	.03	.02		.20			.01				.12		.30	1.02	.55				5.33	
Little Hickman, Lock No. 8 K		.10				T.		.13	.58	.07	.09	.02	T.	.13						.20	.20		.21	.35	1.16	.02			3.01	
Lockport, Lock No. 2 K								.50	.28	T	.02	.06		.27			.04			T.	.05		.15	.51	.81	T			4.80	
Louisville *** C							.47	1.05	F	.12	T						T.					.06		.24	1.13	.28	T		.06	.41	
Lutherville G							.05	.89	.07	.05	.03		.06				.10	.05			T.			.25	.38	.10				.45	
Mt. Eden S	.15							.42	.16		.03	.21		T							.07	.22		.10	.37	.22	T		.04		
Nevins, Lock No. 6 K	.20							.82	.46	T	.12	.02									.07	.15		.28	1.45	.50				3.59	
Nicholasville S								.50	.50	.10	.10	T		.85			.16				.1	.20		.35	.82	.40			1.56		
Owingsville S							.03	.36	1.06	.07	.15	.05		.19							T.	.12		.24	1.30	.20				4.76	
Pigeon, Lock No. 5 K							.12	.70		.04	.08			.12			.19				.11	.18		.58	1.23	.51	.02			4.09	
Pikeville K							.47	.43	.67	.09	T										.02	.19		.27	.67	.08				6.07	
Prestonsburg K								.35	1.30	.15	.1	.02					.07				.11			2.81	1.11	.52				4.66	
Richmond G								.71	.27	.03	.01			.01								.02		1.02	1.11	.10				4.03	
Russellville C																		.22			.10	.01	.10	.12	1.03	.15	T.			5.54	
Salyersville K						.12		.26	.32	.03	.08	.12		.04								.02		.42	.77	.56	.01			5.17	
Saltsville O	.30				T			.0	.07	.27	T	.08												T.	.07	.08				2.46	
Scio K	.17				.17			.3	.55	.01	.07	.12	T.	.32											.20	.09	.5	T			2.05	
Shoe Hill, Lock No. 11 K			.02					1.70	.40	.18	.24			.24			.01				.04			.29	.9	.5	T			3.3	
Sublimity L	.1				.08			.35	.40	.0	.15	.20		.26							.07		.10	.34	1.61	.25				4.3	
Talmage L	.04							.42	1.20	.05	.8	T					.03				T.	.03		.15	.96	.85	.02			4.4	
Traverse L	.11							.20	1.50	.15	.04	T						T.	T.	T.		.03		.11	1.20	.70				4.4	
Tyrone L	.16								.69		.11											.1		.11	.90	.05				4.13	
Ward, Lock No. 10 K									1.17	.32												.03			1.16	.20				4.21	
Wasson O	.6							.4	.02	T	.07	.05		.24			.02				T.	.01		.02	1.02	.04				5.01	
Waverly, Dam 36 O								.07	.85	.22	.08														.20	.04				4.30	
Wilmore ¶ K	.23	.01				.6		.05	.72	.20	.05	T													.22	.22	T.			2.2	
Wyzard K	.25							.10	.43		.05	.10		.31											.58	.32	.01			2.57	
Youngsburg K	.1							.05	.02	.02		.02	T	.28										.42	.52	.45				5.00	
Zilkens K						.05		.26	.42		.6	.18		.4							.14			.45	.7	.4				4.05	
Zorsa B	.22					.18		.52	.12	.15	.03				.20						.03			.2	.6	.3	.1			2.75	
Zuellester K	.15							.01	.18	.22														.45	.7	.8				3.20	
Zyrcelles O	.25							.6	.45	.16	.16	.16									.02			.9	1.0	.2	.03			8.15	
Abbeysboro C								.88	.4	.1	.08	.2												.56	.30					2.88	
Abbeysterling L								.42	.16		.26													.05	.27	.17	.02			3.02	
Abenta, Dam 35 O	.10	.03				.03		.24	.50	.05	.07	.01		.42							.20		.05	.20	.7	.23				3.25	
Abeville K	.15							.15	1.20	.04	.01	.2					T					.64		.38	.52	.47	.14		.5		4.60
Abpanas K						.42			.50	.12	T	.3	T.	.35							.03	T.		.13	.3	.04				3.75	
Abtersburg B						.13		.15	.16	.02	.21	.58		.25	T									.1	.20	.5				2.78	
Abzsand K						.31			.23	.1	T	.08		.15							T.			.25	.2	.1				2.83	
Acadia, Lock No. 12 K						.05		.04		.20	.4			.40							T.			.14	.6	.28	.06			2.28	
Adamond K	.14					.08		.60	.82	.67	.06	T	T.	.48			T				T.	.6		.8	.7	.20				2.80	
Bay View, Lock No. 9 K	.16							.54	.60	.05	.1	.10		.42			.02				T.	.08		.1	.42	.46	T		.14	2.2	
Bedford, Dam No. 22 O				.25		.20		.26		.2	.03		.10		.22							.07		.2	.1	.39			.46	4.71	
Beechgrove K	.27						.03		.16	.08	.3						.2				.2			.1	.2	.09			.4	2.93	
Bellamsburg K	.15					.20			.35	.08	.06	.24	.7									.03	.4	.04	.7	.7				2.76	
Bellow, Lock No. 13 K	.30					.06		.20	.80	.05	.10	.15											.16	.6	.67	.56	.03			2.17	
								.25	.40	.03	.12	.35		.3									.66		.2	.1				.25	3.40

Except as otherwise indicated observations are generally made about the afternoon hour stated, and precipitation is recorded to the end of that day.
time of observation.

Reference mark *** Regular Weather Bureau station.

¶ Precipitation measured in the morning, amount being recorded for the preceding day.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumber and (T) Tennessee; (O) Ohio; (M) Mississippi

Rivers.—Streams were moderately high at the beginning but soon ran down and were generally low thereafter.

Errata.—March, 1932, page 8: Earlington, number of cloudy days should be 20. Mount Sterling, number of clear, partly cloudy, and cloudy days should be 8, 9, 14.

Daily Temperatures for April, 1932.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	79	76	76	80	83	81	80	62	56	54	62	68	62	64	67	69	66	68	76	80	76	81	76	72	78	65	59	71	69	76	..	70.3
	Minimum	56	51	50	45	57	50	55	42	43	48	46	39	38	37	40	41	44	40	38	45	52	56	64	66	68	49	42	44	45	57	..	46.8
	Mean	68	64	63	63	70	66	68	52	50	51	54	54	50	51	54	55	55	54	57	63	64	69	70	69	73	57	51	58	57	67	..	58.6
Calhoun	Maximum	77	76	72	77	78	80	76	62	57	59	66	66	66	67	68	68	68	69	74	78	80	82	80	78	80	68	64	74	68	74	..	72.3
	Minimum	55	50	50	46	59	46	50	38	43	39	39	47	40	38	38	44	47	51	46	41	50	56	61	61	54	46	46	45	41	53	..	46.7
	Mean	66	63	61	62	68	63	63	50	50	49	52	56	53	52	53	56	57	60	60	59	65	69	70	69	67	57	55	59	54	63	..	59.5
Covington	Maximum	69	70	74	79	82	82	72	62	56	58	60	57	62	60	67	72	66	66	74	82	76	82	80	82	80	78	68	68	75	69	67	73.0
	Minimum	51	50	51	49	60	52	52	49	43	42	38	36	32	30	30	41	49	41	39	50	55	58	60	61	58	54	52	48	45	49	45	46.9
	Mean	60	60	63	64	71	67	62	56	50	50	49	47	47	45	49	57	58	54	57	66	66	70	70	72	69	66	60	58	60	59	56	59.9
Greenville	Maximum	71	79	75	78	82	86	72	60	58	54	62	56	64	66	66	69	67	69	76	78	78	82	80	82	85	75	67	73	71	76	76	74.0
	Minimum	50	62	50	46	57	51	60	48	46	48	46	39	39	38	40	41	47	46	50	52	55	57	59	63	65	47	43	44	46	50	..	45.9
	Mean	60	70	62	62	69	68	66	54	52	51	54	47	51	52	53	55	57	57	63	65	66	69	69	72	75	61	55	58	58	63	..	60.0
Henderson	Maximum	79	76	74	77	81	81	78	68	62	62	66	62	66	68	68	70	69	70	74	80	78	82	80	82	84	78	70	74	74	78	..	75.0
	Minimum	56	55	51	49	60	52	52	49	43	45	42	39	38	37	40	44	49	41	39	50	56	58	60	61	58	54	52	48	45	49	45	47.0
	Mean	68	66	63	63	71	67	65	59	53	54	54	51	52	53	54	57	59	56	57	65	67	70	70	72	71	66	61	61	60	64	..	61.0
Hopkinsville	Maximum	82	76	76	80	86	86	76	62	58	58	66	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	52	50	46	59	52	52	49	43	42	38	36	32	30	30	41	49	41	39	50	56	58	60	61	58	54	52	48	45	49	45	46.7
	Mean	68	64	63	63	72	69	64	56	50	50	52	51	50	49	49	56	58	56	58	66	68	71	71	73	72	66	61	62	60	64	..	61.1
Lawrenceburg	Maximum	72	78	74	76	82	81	76	68	62	62	66	62	66	68	68	70	68	70	74	80	78	82	80	82	84	78	70	74	74	78	..	74.7
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	64	66	63	63	69	66	68	58	54	55	56	52	53	54	54	57	58	56	58	63	64	68	69	72	74	64	59	59	60	64	..	61.2
Madisonville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	36	46	44	37	35	35	36	38	45	37	36	46	50	..	..	..	..	45	42	37	42	50	..	.....
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Marion	Maximum	..	72	76	78	81	81	78	66	64	61	66	63	63	..	65	..	74	76	74	76	78	84	85	79	86	78	70	78	76	78	..	73.2
	Minimum	..	45	49	52	57	56	56	46	44	44	46	40	40	..	38	..	46	41	43	46	48	50	56	59	55	49	34	39	38	46	..	46.2
	Mean	..	59	63	65	69	69	67	56	54	53	56	52	52	..	52	..	60	59	59	61	63	67	71	69	71	64	52	59	57	62	..	59.7
Maxwell	Maximum	72	77	80	78	82	82	78	66	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.0
	Minimum	55	55	49	52	57	56	56	46	44	44	46	40	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	64	66	65	65	70	69	67	56	54	54	57	53	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.4
Murray	Maximum	72	77	80	78	82	82	78	68	64	62	66	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.0
	Minimum	52	53	52	52	59	52	52	49	43	42	38	36	32	30	30	41	49	41	39	50	56	58	60	61	58	54	52	48	45	49	45	46.7
	Mean	62	65	66	65	71	67	65	59	54	52	52	51	50	49	49	56	59	56	58	66	68	71	71	73	72	66	61	62	61	65	..	60.9
Owensboro	Maximum	82	78	78	82	86	86	78	66	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	65	66	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Paducah	Maximum	84	80	80	84	88	88	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	76.0
	Minimum	58	58	56	54	62	56	56	52	46	46	42	40	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	48.8
	Mean	71	69	68	69	75	72	68	60	55	55	55	53	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	62.4
Princeton	Maximum	82	76	76	80	86	86	78	66	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Russellville	Maximum	85	72	80	74	78	80	76	66	66	66	66	62	66	66	65	66	62	66	68	72	70	74	72	74	76	68	64	68	68	72	..	70.8
	Minimum	55	46	49	47	54	52	55	50	52	52	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	..	46.8
	Mean	70	59	64	60	66	66	66	58	59	59	56	54	56	56	56	56	54	56	57	59	58	60	59	60	61	57	55	57	57	59	..	58.8
Central Division.																																	
Adairville	Maximum	63	80	78	79	80	73	76	68	66	56	67	66	55	57	62	67	66	66	66	72	66	76	70	70	68	60	74	67	74	74	..	68.8
	Minimum	28	48	46	35	54	53	54	45	43	44	45	31	26	29	30	26	39	36	29	34	42	47	48	51	56	38	32	31	42	44	..	41.4
	Mean	46	64	62	57	67	63	65	56	54	50	56	48	40	43	46	46	52	51	47	53	54	61	59	60	62	49	53	49	58	59	..	55.1
Auburn	Maximum	65	70	71	77	80	79	77	66	56	56	64	56	57	58	58	60	64	64	66	70	68	74	72	74	76	66	60	70	70	72	..	68.7
	Minimum	26	54	50	36	58	56	58	47	45	45	44	43	27	28	30	44	38	37	44	40	48	54	54	58	55	51	32	31	44	55	..	43.6
	Mean	46	62	61	57	69	68	68	57	51	51	54	50	42	43	44	52	51	51	55	55	58	64	63	66	66	59	46	51	57	64	..	56.2
Bowling Green	Maximum	76	80	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	35	52	51	45	58	53	60	57	44	46	46	41	33	40	34	41	49	40	38	49	50	58	59	62	65	50	48	44	45	50	..	48.4
	Mean	56	66	64	62	71	68	70	62	54	55	57	53	50	54	51	55	58	55	57	65	65	71	70	73	76	64	59	60	61	65	..	62.0
Brownsville	Maximum	83	77	78	75	78	77	76	72	72	56	56	56	56	62	62	67	68	66	71	74	68	76	74	76	82	74	64	68	68	72	..	71.8
	Minimum	33	54	52	46	56	52	52	46	46	46	46	40	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	48.4
	Mean	58	66	65	60	67	64	64	59	59	51	51	48	48	51	51	56	58	54	56	60	59	65	66	69	74	62	56	56	56	61	..	60.1
Burkesville	Maximum	80	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Cave City	Maximum	79	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Columbia	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Elizabethtown	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Franklin	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Glasgow	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Greensburg	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Hardyville	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Harrodsburg	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Hartford	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Hawesville	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Hodgenville	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Horse Cave	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Leitchfield	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Lewisburg	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Louisville	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Mammoth Cave	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Munfordville	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54	54	57	59	56	59	64	65	69	70	73	76	64	59	60	61	65	..	61.7
Owingsville	Maximum	82	78	78	80	84	84	80	68	64	64	68	66	68	68	68	70	68	70	76	82	80	84	82	84	86	78	70	76	76	80	..	75.6
	Minimum	55	55	51	50	56	52	60	48	46	48	46	41	40	40	40	44	49	41	41	46	50	54	58	62	65	50	48	44	45	50	..	47.7
	Mean	68	66	64	65	71	69	69	57	55	56	57	54	54	54

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVII LOUISVILLE, KY., MAY, 1932 No. 5

GENERAL SUMMARY.

The warm weather that predominated in the first decade favored seasonal growth and corn planting. Preparation of land, which had been delayed by showery weather in the preceding month, interfered seriously with planting. At this time the moisture content of the soil, though not high, was sufficient for conditioning and germination. Because of the scant rainfall the soil dried out to refractory hardness, so that preparation became difficult and the seedbed lacked moisture to insure sprouting. The first plantings of corn came up to a good stand, but the plantings of the last decade were made in soil so dry and cloddy that growth was rendered uncertain. Showers in the last week were helpful in about half of the State, but too light in most sections to reach the seed corn.

Tobacco plants, already two weeks late, were further delayed by the cool dry weather of the last three weeks. Very few were ready to set before the last week. Transplanting on smooth land by machines proceeded slowly, but the soil was not in the best condition and plants were often too small. The showers in the last week were heavy enough to provide a season for hand setting in only limited areas, therefore most of this work awaited rain as the month closed. Growing conditions for tobacco plants have seldom been less favorable than during the last twenty days of this month.

The cool, dry weather favored wheat for a time, but toward the close it began to show the effects of moisture deficiency in some districts by shortened straw and heads. Crops of quick growth and early maturity, such as oats, strawberries, vegetables, seed bluegrass were generally injured or much retarded. Young clover suffered severely. On the dry upland growth of pastures was good for the first half but dragged slowly and almost ceased in the last two weeks. For crops requiring seasonal warmth and moisture the weather was generally unfavorable.

TEMPERATURE.

Except for decidedly warm weather in the period 14-18th, when daily means were 5° to 15° above normal, temperatures considerably below the seasonal average prevailed. These conditions counterbalanced each other, therefore the average temperature of 65.1° was almost normal. Minimum temperatures of 35° to 43° were registered at many stations in the cool spells of the first and last weeks. Extremes were 92° at Williamstown on the 26th and 33° at Farmers and Quicksand on the 3d.

PRECIPITATION.

Precipitation averaged about one-third of the normal, and was the lowest on record for this month. It was highly irregular and local in character. In the central counties showers occurred rather generally in the period 9-13th, but varied greatly in amount. Showers were also fairly general and occasionally [illegible] in the period 24-27th. The other parts of the month were [illegible]. Between the Ohio River, including the [illegible] and the Cumberland Mountains ranged between 0.5 inch and 1.5 inch. Southeastern from the Green River valley and [illegible] counties [illegible] of the State [illegible] inches. In the extreme [illegible] inches. Over [illegible] inches. Parts [illegible] inches.

PRESSURE AND WIND.

Stations.	Mean station pressure. Readings reduced to mean of 24 hours. Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Mean hourly velocity.	Wind. Direction. Prevailing.	Direction. Highest velocity.	Date.
[illegible]	Ill.	29.05	29.33	18	28.80	9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Ohio.	29.06	29.44	18	[illegible]	9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Ind.	29.08	29.42	18	[illegible]	9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Ky.	29.08	29.38	18	28.79	9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Ky.	29.07	29.39	18	28.81	9	[illegible]	[illegible]	[illegible]	[illegible]

HUMIDITY AND SUNSHINE.

Stations.	Mean Humidity. 7 A. M.	1 P. M.	7 P. M.	Total hours of sunshine.	Percentage of possible.	Number of days with clear sky. 80 per cent or less.	Number of days with cloudy sky. 90 per cent or less.
[illegible]	Ill.	76	51	62	295.9	43	24	6
[illegible]	Ohio.	67	46	54	304.8	44	15	4
[illegible]	Ind.	71	50	61	286.3	41	16	1
[illegible]	Ky.	75	55	[illegible]	338.1	48	15	4
[illegible]	Ky.	79	58	69	272.1	41	13	3

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Mean for this month.	Departure from 40-year normal.	Highest.	Lowest.	Monthly range.	Precipitation. Departure from 40-year normal.	Total for month.	Days of .01 or more.	Days of .10 or more.	Clear.	Partly cloudy.	Cloudy.	Average Number of Days. Average thickness of ice.
Mean	65.8	.....	106	27	4.89	.....	.....	10	14	9	8	T.	
1891	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1892	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1893	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1894	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1895	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1896	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1897	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1898	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1899	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1901	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1902	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1903	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1904	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1905	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1906	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1907	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1908	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1909	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1910	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1911	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1912	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1913	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1914	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1915	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1916	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1917	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1918	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1919	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1920	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1921	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1922	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1923	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1924	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1925	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1926	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1927	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1928	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1929	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1930	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1931	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1932	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Climatological Data for May, 1932.

Station	County	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, melted	With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy		
Western Division.																					
Beaver Dam	Ohio	441	28	66.2	− 0.1	89	25	39	31	33	0.90	−3.33	0.60	0	4	27	1	3	s.	Mrs. Lena F. Taylor.
Carbondale	McLean	437	23	67.0	− 0.1	85	4†	43	21†	34	1.20	−2.67	0.60	0	5	9	19	8	sw.	W. A. Taylor.
Carlisle	Hopkins	420	42	67.6	+ 0.7	88	25†	39	2	33	0.92	−3.51	0.65	0	4	21	4	6	n.	Brick Southworth.
Darlington		398	3								0.62		0.50	0	2					W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	349	15	*65.4	+ 0.7	92a	25	40a	3†	39a	0.54	−3.33	0.30	0	3	20	11	0	s.	C. R. Lovell.
Greenville	Muhlenburg	510	18	66.8		87	15†	41	2	38	1.07	−3.02	0.57	0	4	9	7	15	se.	Richard Stites
Henderson	Henderson	382	18	68.1		87	15†	41	2	38	2.04	−2.02	1.21	0	4	21	5	2	w.	W. E. Graves.
Hopkinsville	Christian	524	86	67.6	+ 0.5	89	25†	40	2	39	1.38		0.56	0	4	21	8	2	s.	Blaine Malone.
Lovelaceville	Ballard		3	67.1		89	24†	39	2	41	1.38		0.56	0	2	21	10	0	e.	B. C. Faris.
Marion	Crittenden	577	34	68.4	− 0.3	85	15†	40	2	36	0.55	−3.71	0.30	0	2	25	3	1	nw.	Mrs. C. R. Sowell.
Maxfield	Graves	364	22	*68.2	+ 2.0	90a	8†	42a	*2	35a	1.11	−2.48	0.77	0	5	0	18	4	s.	Harry B. Arnold
Murray	Calloway	412	6	66.7		92	23	38	2	40	1.22		0.50	0	3	19	7	5	s.	Henry S. Berry.
Owensboro	Daviess	479	35	65.0	− 0.6	88	26	41	2	32	0.83	−2.83	0.72	0	3					George McClemary.
Owensboro, Dam 46	Daviess	404	4								1.16		0.84	0	5					
Paducah (nears)	McCracken	516	15	68.3	+ 1.7	90	24†	41	2	39	0.67	−3.50	0.65	0	2	22	5	4	se.	J. W. Lilley
Paducah	McCracken	341	43								0.63	−3.37	0.40	0	4					Frank L. Brown.
Paducah	McCracken	520	25	68.5	+ 1.8	91	24†	41	2	41	0.69	−3.32	0.30	0	6	16	13	2	n.	Dr. W. L. Cash.
Princeton	Caldwell										1.77	−2.07	0.80	0	4					Thos. L. Wetzell.
Rumsey, Lock 2	McLean	384	15								1.03	−2.80	0.40	0	5	24	6	1	s.	Wm. Shelton.
Russellville	Logan	590	21	*64.8	− 1.1	87a	23†	40a	2	39a	0.59		0.27	0	3					Earl Holder.
Uniontown, Dam 49	Union	357	4																	
Central Division.											0.88		0.33	0	4					C. L. Moore.
Addison, Dam 45	Breckinridge	352	4								0.46	−3.83	0.20	0	3	21	10	0	sw.	C. E. Barret.
Ammerage	Jefferson	730	31	*62.1	− 1.6	85a	24	36a	21	34a	1.46	−2.16	0.42	0	6	23	1	7	s.	Mrs. Emily T. Sisco.
Bardstown	Nelson	627	25	65.8	− 0.2	89	15	37	29	38	1.45	−2.17	0.42	0	5	24	5	2	s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	500	43	68.0	+ 0.6	90	26	41	3	43	0.61	−3.80	0.35	0	4					T. Bone
Bowling Green, No. 2	Warren	459	7								0.76		0.30	0	4					Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	410	15								1.59	−3.91	1.13	0	4					T. A. Lewis
Burkesville	Pulaski	773	41								2.27	−1.72	1.13	0	6					Shelby Angel.
Carrollton, Lock 1	Carroll	422	38								0.62	−3.43	0.38	0	4					Reuben Hartley.
Cold Spring, Dam 36	Campbell	459	6								0.24		0.08	0	8					
Dix Dam, Burgin	Mercer	1177	38	62.7	− 1.3	86	15†	35	3	40	1.06		0.50	0	4	20	5	6	sw.	C. W. Williams.
Eubank	Pulaski	760	40	64.8	− 0.4	89	24†	36	3	42	1.29	−3.10	0.90	0	5	16	11	4	s.	Mrs. Katie Pague.
Frankfort	Franklin	550	40	65.8	− 0.9	86	31	40	3	36	1.47	−2.16	0.71	0	5	22	6	4	w.	Sidney Wood.
Franklin	Simpson	690	37								1.55	−2.83	0.83	0	4	17	13	1	n.	M. E. Johnson.
Gest, Lock 3	Henry	449	21								1.66	−1.79	0.80	0	10					Louis Shiddell.
Grant, Dam 33	Boone	780	7								0.65		0.37	0	5					H. W. Sprague.
Greensburg	Green	780	37	64.8	0.00	89	26	35	3	44	1.18	−3.16	0.77	0	7	6	2	23	ne.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	540	30								1.18	−2.69	0.84	0	9					Miss Ruby L. Simpson.
Irvington	Breckinridge	646	34	66.2	+ 0.3	87	26	42	29	31	0.66	−3.12	0.27	0	4	16	7	8	sw.	W. J. Pigrott.
Lancaster	Garrard	1032	6								1.61		0.75	0	7					John Anderson.
Leitchfield	Grayson	635	36	65.2	+ 0.1	85	15	40	3	33	1.54	−2.56	0.82	0	5	16	13	2	sw.	H. H. Willis.
Lexington	Fayette	989	48	64.9	− 0.3	84	15	41	2	31	0.69	−3.41	0.19	0	7	22	5	4	n.a.	U. S. Weather Bureau.
Lincolnshire, Lock 5†	Jessamine	555	21								1.91	−2.18	0.60	0	5					Horace Center.
Lockport, Lock 2	Henry	476	22								1.68	−1.62	1.10	0	4					Frank Litch.
Louisville	Jefferson	525	59	65.8	− 0.8	86	26	45	2	32	0.83	−3.09	0.32	0	6	6	17	8	s.	U. S. Weather Bureau.
Manfordville	Hart	602	9								2.25		0.85	0	5					A. G. Hubbard.
Mt. John	Hardin	727	36	63.6	− 0.7	85	5†	38	29	36	1.31	−2.76	0.45	0	7	25	1	5		Sisters of Loretto.
Salvisa, Lock 4†	Mercer	470	18								0.98	−2.63	0.50	0	4					Ernest M. Searcy.
Shelbyville	Shelby	825	43	62.8	− 1.6	86	26	40	2†	35	1.53	−2.49	0.83	0	8	12	3	9	s.	Miss Ruth Ratta.
Shepherdsville	Bullitt	489	30	63.4	− 1.2	84	15†	36	3	33	1.67	−1.91	0.56	0	8	23	4	4	c.	W. D. Bourne.
Taylorsville	Spencer										0.75	−2.86	0.30	0	5					H. K. Vaughn.
Tyrone, Lock 5†	Anderson	526	14								1.70	−1.86	0.87	0	7	28	1	2	e.	Miss Nettie B. Simpson.
Williamstown	Grant	903	29	65.6	+ 2.0	92	26	37	2	45	1.76	−1.68	0.79	0	7					H. J. Lewis.
Woodburn, Lock 4	Butler	535	15																	
Eastern Division.																				
Annville	Jackson										0.59		0.18	0	8	10	13	8	sw.	W. A. Worthington.
Ashland	Boyd	554	15	64.2	+ 0.4	88	24	35	3	44	1.12	−2.82	0.34	0	8	13	3	10	w.	Jacob Armbruster.
Beattyville	Lee	650	38	64.1	− 0.1	88	15	34	3	43	1.50	−2.27	0.92	0	7	6	15	10	ne.	Robert S. Smallwood.
Bromley	Madison	1070	27	65.9	+ 0.7	87	15†	37	3	39	1.29	−2.38	0.40	0	7	22	2	7	w.	Thos C. Graham.
Burn	Madison	601	32								1.26	−2.12	0.65	0	8					Kelly Welden
College Hill, Lock 11	Madison	641	14								0.19	−3.07	0.06	0	4					P. H. Kehoe.
Cynthiana	Harrison	669	43								1.46	−2.31	0.45	0	8					J. V. Oldham
Falmouth	Pendleton	668	24	64.0	+ 1.2	89	21†	33	3	46	2.59	−1.31	0.81	0	7	19	3	9	e.	Mrs. R. P. Stamper.
Farmers	Rowan	861	7								0.86		0.66	0	2					C. A. Glascock
Flemingsburg	Fleming	843	16								1.12	−2.24	0.31	0	8					John A. Walters.
Frozen, Lock 15†	Clark	585	7								0.15		0.15	0	1					Col. Frank Powers.
Gradyville	Casey	1000	7								0.13		0.13	0	1					T. Mitchell.
Greenup, Dam 30	Greenup	540	12								1.30	−2.18	0.76	0	9					W. W. Duffield.
Hazlan	Harlan	1197	3	64.2		85	26	37	3	37	4.05		1.85	0	8	20	4	7	s.	Chas. O. Berg.
Hazard	Perry	884	8								2.74		0.90	0	7					S. C. Cole.
Heidelberg, Lock 14	Lee	604	15								2.04	−1.84	0.99	0	6					R. R. Davidson.
Jenkins	Letcher	1566	7								3.11		1.17	0	8					Russian Copley.
Louisa	Lawrence	544	28								1.76	−2.31	0.88	0	8					Leanett B. White.
Manchester	Clay		12								1.46	−1.41	0.49	0	5					Perry K. Bennett
Maysville	Mason	504	35	62.0	− 2.6	85	25	31	16	38	1.19	−2.86	0.55	0	6	12	13	6	se.	Matthew Woodson
Middlesboro	Bell	1178	25	64.8	+ 0.3	91	25	34	3	45	1.75	−2.41	0.70	0	9	17	13	1	w.	W. R. McKee.
Mount Sterling	Montgomery	930	42	64.6	+ 0.8	91	25	35	3	38	0.86	−3.42	0.80	0	7	18	8	5	w.	Otta Riddle.
Owenton, Dam 35	Owen	787	5								1.73	−1.56	0.66	0	7					Robert Jeppss
Pineville	Bell	1040	26								2.79	−0.58	0.92	0	7					F. W. Summerfield.
Pleasureville	Henry	640	7								2.65		0.90	0	10	18	6	7		P. C. Hall.
Prestonsburg	Floyd	740	7	64.2		87	7†	35	3	39	3.96		1.43	0	6					R. W. Jones.
Quicksand	Breathitt	732	6	64.2		89	7†	33	3	44	1.62		0.58	0	6					Walter P. Bush.
Rockcastle, Lock 12	Pulaski	651	14								2.00	−0.05	0.67	0	6					L. W. Crooke.
Rogers	Madison	726	41	65.4	− 0.2	88	16	41	2†	33	0.73	−3.31	0.26	0	6	21	5	5		Thos. Sullivan.
Valley View, Lock 9	Madison	541	19								1.48	−2.99	0.70	0	6					H. M. Fannin.
Vanceburg, Dam 52	Lewis	525	17								0.70	−2.85	0.22	0	6					C. H. Zimmerman.
Waitsboro	Pulaski	1162	7								3.21		1.04	0	9					H. F. Davis.
Wallingford	Fleming	750	35	66.0	+ 0.8	89	5†	36	3	45	1.45	−2.65	0.57	0	7	24	5	2		Cleveland Angel
Wheatley	Wheatley	600	13								1.94	−2.16	0.52	0	6					
Whitley	Lee	631	13								1.45	−2.61	1.88	0	6	18	8	5	s.	
State averages and extremes				65.1	− 0.2	92	28†	33	3	46										

[illegible] temperature, distances taken from self registering thermometers. [illegible] computed only for such stations as have ten or more years of record, but all complete reports are [illegible] Departure from normal, temperature and precipitation. [illegible] Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River; [illegible] ed to the preceding footnote. [illegible] of days missing, for example, 5 represents two days, etc. [illegible] Precipitation less than 0.01 inch; rain or melted snow. ‡ Lone Oak, [illegible] Greenup, Ky.; ‖ appearing in the table indicate number of days missing, for example, 5 represents two days, etc. † Precipitation less than 0.01 inch; rain or melted snow. ‡ Lone Oak, * Also on earlier date. ** Records not available to be included in means and summaries. [illegible] Greenup, Ky.; ‖ Lock 6, Versailles, Ky.; Lock 7, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky. † Post office at Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 7, Nicholasville Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky. Oneonta, California, Ky.

MISCELLANEOUS.

Mayo — Wood rapidly decreasing in quantity in Albion County.

Mayo — Increasing interest in farm improvement Payne in Caldwell County.

Rivers.—Streams declined slowly and reached low stages before the end of the month.

Daily Precipitation for May, 1932

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G								.05								.10					.05				.20						
Calhoun							T	T	T	.12						.09			T	.40	T		T	6	.40						1.29
Farlington	G							T																								
Fords Ferry, Dam 50	O	T.					T.	T.		T.	.12		.10			T.	.02			.15							T				0.27
Greenville	G																				T.	T			T						0.00
Hendrerson	O						.15			T.						T															0.15
Hopkinsville	G									.24										.28						.03					0.55
Lovelaceville	G						T.	1.24			.02								T.	.34	T				T	.41					2.01
Marion	M																														0.00
Mayfield	O						.40			.12														5	.05						1.57
Murray	M									.22						T.										.02					0.24
Owensboro	T.						T.	.12	T		.20									.34						.07					0.73
Owensboro, Dam 46	O								T.	T	T.					T				.32	T.					.04					1.11
Paducah (near)	O									T.	T.	.01					.14				.02						.70				0.87
Princeton	G								.02								.18			.14	.02					.04					1.40
Ramsey, Lock No. 2	G																														0.00
Russellville	C							.03				.08														.05					0.16
Uniontown, Dam 49	O						T.	.08	T.		.12					.03			.01	T.				T.	.30						0.54
Central Division										.22							.10			.80						.77					1.09
Addison, Dam 45	O										.19										T.					.27	.11				1.57
Anchorage	O																.04										.27				0.31
Bardstown	S						T.	.20	.01							.11				.02											0.34
Bowling Green	G							.55				.01					.12			.03											0.71
Bowling Green, No. 2	G							.18			.01									.31											0.50
Brownsville, Lock No. 6	G								.10		T																				0.10
Burnside	C	.31						.17												.21	.05										0.74
Carrollton (Lock No. 1)	K							.21	.24		T.	T.										T.				1.13					1.58
Cold Spring, Dam 36	O	.06		.02					.10	.15						.09										.18	1.13	.10			2.22
Dix Dam, Burgin	K							T	.02	.06				T.	T.	.10			T.	.10				T.	.23	.28					0.69
Eubanks	C					.41		.07											.30							.55					1.21
Frankfort	K	T.						.11			.60																				1.06
Franklin	G							.28		.04	.26						.13			T.	T				T	.71	T.				1.28
Gest, Lock No. 3	K	.02		.01			.63													.43				.28	.63						1.77
Grant, Dam 38	O	T.		T.				.14	.02	.03	.10	.62					.45			T.	.02					.80					1.55
Greensburg	G	T.						.05		.08				T.			.11			T.	T				.04	.87					1.66
High Bridge, Lock No. 7	K	.05						.15	.06		.04									.77	.05					.05					0.00
Irvington	O							.58	.04	.08	.02																				1.18
Lancaster	K	.01						.11	T.		T.					.14	T.			T.	T.					.27	.11				1.54
Leitchfield	G						T.			T.	.02					.25				.01											0.28
Lexington	K							.11	.08	.01	.02	.12				T.				.15	.50				.22	.03					1.61
Little Rickmon, Lock No. 8	K	.6							.07		T.	T.		T.			.28			.09	.12					.03	.83				1.54
Lockport, Lock No. 2	K								.10			.03								T	1.					.01	T				0.65
Louisville	O							.10		.12	T.					.86				.26											1.34
Munfordville	G							.12	.2	T.	T.	T.								.02	T.				1	10				T.	1.64
St. John	S							.12				.12				.06				.02	T.				.07	.16					0.63
Salvisa, Lock No 6	K								.45				.02		1					.45	.67					.8					0.45
Shelbyville	S	.05							.13	.10	.22	T.								.17	.12					.20	.23				2.25
Taylorsville	S								.07		.5	T.	T.	T.			.28			T.	T					.50	T				1.31
Tyrone, Lock No. 5	K																			.09	.12					.03	.83				0.00
Williamstown	L	.12		.07				.14	T.		.30	.04					.31	.08		.14	.03			T.	.21	.56					1.58
Woodbury, Lock No. 4	G								.03		.18	.08						.10			.20				.08						1.67
Eastern Division									.79	.08	T.	.08					T.		T.	.07					.07	.16					0.00
Annville	C	.01								.02		.10	.12													.23	.03					1.50
Ashland	O	.20		T.	.01				.27	.01	.6	.15					.09				.03				.01	.15	.03				0.50
Beattyville	K	.2e							.02		.2	.11										.12					T.	.4				1.12
Berea	K																									.06					0.00
College Hill, Lock No. 11	K	.15						.30			.20									.02	.2.					.46					1.34
Cynthiana	L							.40	.16	T	.2.	.03				T.					.10					.89	.05				1.29
Falmouth	L						T.	T.	.05		.4						.04				.08			T.	T.						1.56
Farmers	L			.03				.45	.04	.08	.04						.17				.34					.01					0.13
Frenchburg	L		.14						.52		.81	.14									.1					.09	.43				1.45
Ford, Lock No. 10	K	.03									.2														.20						2.52
Grayson	O							.12	T.		.7	.04		T.		.08				T		.12			.31	.11				0.00
Greenup, Dam 30	O	.05		.03				.07		.02	.13	.04									.70					.25	.01				1.12
Harlan	O	.46							1.03		.32	.29									.71						.37				0.18
Hazard	K	.22							.90		.42	.5									.71						.85				1.47
Heidelberg, Lock No. 14	K								.40		.2	.45									.10					.12	.25				4.05
Jenkins	K								1.11	.4.								.22								.10	.07				2.41
Louisa	B	.13							.58	.04	.50	.28						.04								.04	.14				2.04
Manchester	K								.30		.23	.30													.02		.15				3.11
Maysville	O			.01				.22	T.	.01	.73	.01				.06										T.	.30				1.76
Middlesboro	K							.03	.10		.52	.04	.08			.70															1.40
Mount Sterling	L	.06								.18		.20	.66			.08															1.77
Oneonta Dam 35	O	.07		.2				T	T	.20	T	T.				.60				T.	.02			T.	.02	.07	.2				0.00
Paris	B	.15							.15		.55	.02					T.			.10				T.	.02	.3					1.73
Pippapass	K																									.02	.32				0.00
Prestonsburg	K						.28	.13	.03	T.	.20	.29								.65				.03	.06	.18	.2				2.05
Quicksand	K								1.49		.39	1.05														.05	.45				3.56
Ravenna, Lock No. 12	K	T						.27	.39		.55	.05									.14						.38				1.05
Richmond	K	.02								.03		.44	T.								.28					.87	.02				2.00
Valley View, Lock No. 9	K							.26			.12									.03					.12	.08				0.73
Vanceburg, Dam No. 32	O	.10						.24	.10	.04	.10									.80					.70						1.48
Whitesburg	K	.24	.02					.12	.2		.06					.12										.22					0.70
Williamsburg	C	.04							.54		.28	1.04	.02				.16				.02						.30				2.21
Willow, Lock No. 13	K	.30						.57	.10	.2	.45															.05	.05				1.45
								.18	.10	.2	.45															.02					1.04

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured on the morning given; amount recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. ^ Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

§ Long Oak

Daily Temperatures for May, 1932.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	73	77	77	87	85	85	86	84	83	72	70	67	75	82	87	81	74	70	79	80	84	79	84	87	89	88	80	75	71	80	87	79.9
	Minimum	49	40	39	54	54	57	59	60	62	52	48	52	44	45	54	57	51	48	48	59	59	59	51	61	62	61	61	48	39	41	55	52.5
Calhoun	Maximum	71	68	75	80	83	84	83	84	81	70	71	66	76	84	86	83	71	71	79	79	84	85	86	85	86	85	83	79	72	71	78	78.6
	Minimum	52	43	46	58	57	62	63	65	63	54	52	52	47	50	59	60	52	44	49	60	61	60	52	62	66	65	63	49	48	47	55	55.0
Earlington	Maximum	71	69	77	85	84	86	84	84	84	74	77	67	76	85	87	84	74	74	81	80	87	89	92	93	94	93	87	78	76	72	77	80.3
	Minimum	50	39	41	60	63	67	64	67	64	55	49	52	44	47	60	65	53	50	49	59	58	58	57	64	68	66	64	49	48	41	55	55.0
Greenville	Maximum	72	65	75	85	84	83	83	81	82	70	69	65	72	84	85	84	71	71	79	78	84	87	87	89	92	86	77	71	71	79	...	78.1
	Minimum	51	42	40	56	58	57	62	61	62	51	46	51	44	46	54	58	51	48	47	57	59	59	54	63	66	65	61	49	46	41	...	52.7
Henderson	Maximum	66	69	73	84	83	83	82	85	80	71	72	63	77	82	87	83	73	72	80	73	86	78	83	86	87	87	86	81	75	74	83	79.0
	Minimum	46	41	46	58	58	60	64	65	59	55	52	49	47	54	59	56	52	50	46	58	64	59	60	60	70	66	63	47	44	50	55	55.0
Hopkinsville	Maximum	78	71	79	88	86	87	86	83	81	72	73	63	76	84	88	86	77	76	81	77	86	84	86	87	89	88	87	81	76	75	84	81.2
	Minimum	48	40	43	58	58	60	64	65	59	55	52	49	47	54	59	56	52	50	46	58	64	59	60	60	70	66	63	47	44	48	55	55.9
Madisonville	Maximum	78	71	79	88	86	87	86	83	81	72	73	63	76	84	88	86	77	76	81	77	86	84	86	87	89	88	87	81	76	75	84	81.2
	Minimum	48	40	43	58	58	60	64	65	59	55	52	49	47	54	59	56	52	50	46	58	64	59	60	60	70	66	63	47	44	48	55	55.9
Loweliesville	Maximum	69	70	75	81	84	85	82	84	82	78	73	73	78	86	87	82	74	72	79	77	82	84	86	87	89	88	87	81	76	75	82	80.3
	Minimum	45	39	40	53	52	59	60	61	64	54	48	47	44	47	55	60	55	52	48	59	63	62	54	64	66	65	63	49	46	41	55	54.1
Marion	Maximum	75	67	79	82	81	82	82	84	79	76	69	65	75	80	85	79	77	73	77	77	82	86	88	89	92	92	86	78	74	72	81	80.1
	Minimum	47	40	47	58	58	60	62	63	60	58	48	48	45	47	52	51	50	46	47	60	60	58	58	62	64	62	62	48	46	44	54	54.1
Mayfield	Maximum	75	68	77	82	83	85	83	86	86	74	72	75	86	86	86	83	76	74	80	...	84	82	85	87	88	87	86	78	74	73	83	81.7
	Minimum	49	42	45	58	58	61	61	64	64	58	52	50	55	56	58	57	56	54	50	57	64	62	55	64	67	66	65	51	48	48	57	56.7
Murray	Maximum	76	69	78	86	85	86	86	86	86	78	72	70	76	85	86	83	75	74	80	77	85	84	86	87	89	89	87	81	76	75	84	81.7
	Minimum	49	38	40	52	55	60	63	63	63	57	48	50	42	45	51	52	55	49	49	61	60	60	55	57	62	60	60	51	44	43	52	52.7
Owensboro	Maximum	68	66	72	83	82	84	79	80	79	68	64	64	74	81	83	80	74	73	78	78	80	84	86	87	89	88	87	81	76	75	82	79.0
	Minimum	47	41	43	60	59	63	66	66	62	60	50	49	48	47	55	57	51	49	47	59	61	58	56	58	64	62	60	48	46	45	54	54.1
Paducah (Near)	Maximum	73	69	78	84	84	85	84	85	82	74	72	72	78	86	87	84	75	75	81	78	85	86	88	89	92	92	87	80	76	75	83	81.8
	Minimum	50	41	48	60	55	65	65	67	68	59	56	58	47	54	61	54	55	54	47	59	65	65	57	64	67	66	63	49	48	47	57	56.2
Princeton	Maximum	70	70	80	87	86	87	86	87	86	77	74	73	76	83	87	83	76	76	83	77	85	84	87	88	91	91	88	82	78	76	84	82.0
	Minimum	49	42	42	56	53	60	60	63	63	54	48	50	45	47	56	58	53	51	50	61	67	64	61	64	66	65	63	49	46	45	55	55.2
Russellville	Maximum	69	62	72	83	82	86	84	86	79	73	69	69	73	81	85	82	74	73	77	78	86	81	84	87	89	88	86	78	73	73	81	79.0
	Minimum	51	40	43	49	58	55	58	62	61	53	47	51	45	45	54	55	49	47	49	50	60	60	61	...	63	62	63	61	51	42	44	55	52.7
Central Division																																	
Anchorage	Maximum	65	64	68	84	83	84	83	82	76	63	58	62	69	78	84	83	72	68	78	76	80	75	80	85	85	78	82	...	55	66	70	76	74.1
	Minimum	48	36	37	56	58	53	57	57	56	50	47	46	42	44	53	54	51	46	49	53	55	57	58	62	61	...	42	36	43	50	44	48.8
Bardstown	Maximum	71	64	76	86	86	87	87	84	83	76	66	64	74	83	89	86	73	71	80	79	82	78	83	86	86	87	86	80	74	72	81	80	79.2
	Minimum	46	40	38	56	54	57	59	60	57	49	47	51	43	41	53	54	50	47	44	59	61	55	48	58	63	64	59	50	48	45	52	51.9
Bowling Green	Maximum	72	72	84	87	87	87	87	80	83	85	72	71	68	78	83	80	76	76	84	83	76	84	86	89	90	88	85	77	76	80	86	82.6
	Minimum	51	48	44	56	56	57	56	60	62	59	49	50	48	47	53	55	49	46	47	59	60	62	58	64	64	66	64	49	46	44	54	54.0
Dix Dam	Maximum	73	66	75	83	83	86	85	82	79	75	72	66	70	79	85	86	76	75	81	78	85	86	88	89	92	92	87	81	75	74	83	81.0
	Minimum	50	44	37	50	55	56	59	60	57	52	48	50	47	49	59	61	51	46	48	56	60	55	50	58	62	61	60	50	48	43	51	52.3
Eubank	Maximum	67	59	73	83	81	84	84	81	79	70	71	61	69	82	86	83	74	72	77	77	82	84	86	87	89	88	86	78	73	72	80	78.6
	Minimum	46	42	35	48	56	55	57	59	57	51	47	50	45	47	54	56	51	48	47	59	61	58	54	64	66	65	63	49	46	45	53	53.2
Frankfort	Maximum	73	64	71	86	86	86	88	86	80	73	68	65	73	81	88	86	74	72	77	77	82	84	86	87	89	88	86	78	73	72	80	78.9
	Minimum	46	38	38	46	52	52	53	54	54	48	52	46	44	52	56	54	51	50	47	59	61	58	54	64	66	65	63	49	46	45	53	53.2
Franklin	Maximum	74	62	75	78	79	80	81	81	76	76	69	63	69	70	77	84	81	74	78	78	84	84	84	85	87	87	86	78	73	72	80	78.0
	Minimum	50	43	40	55	57	59	60	61	65	55	57	52	45	48	58	61	51	50	52	60	61	60	57	65	67	66	64	50	48	45	54	54.8
Greensburg	Maximum	71	69	79	85	83	86	85	81	83	75	65	63	70	82	86	83	75	73	81	80	83	77	85	87	89	88	86	78	73	72	80	78.0
	Minimum	47	41	35	46	49	52	54	56	58	53	44	52	42	46	47	50	47	49	48	57	59	58	50	58	60	58	57	49	46	44	51	50.4
Hardinsburg	Maximum	69	68	74	83	82	86	84	85	78	67	62	63	70	78	85	82	76	74	80	77	82	84	86	87	89	88	86	78	73	72	80	78.0
	Minimum	52	44	43	54	56	58	58	64	61	57	48	50	46	47	56	59	56	51	47	59	59	58	52	62	66	65	63	49	46	45	53	53.6
Irvington	Maximum	67	63	74	84	83	86	86	84	79	73	69	63	70	81	87	84	75	73	81	79	82	84	86	87	89	88	86	78	73	72	80	78.4
	Minimum	51	43	44	55	56	56	56	60	61	52	50	51	47	50	56	57	50	49	51	59	61	58	55	63	65	64	63	48	46	44	52	54.5
Lawrenceburg	Maximum	64	60	68	81	80	81	81	79	75	68	63	65	74	80	81	81	68	66	77	77	81	81	83	85	87	86	84	76	72	71	78	76.8
	Minimum	48	51	45	56	62	63	64	63	57	51	50	50	49	50	54	53	49	47	49	57	59	58	50	58	60	58	57	49	46	44	52	53.4
Lexington	Maximum	65	63	71	83	83	82	82	82	76	65	59	63	70	78	85	82	69	66	77	77	82	84	86	87	89	88	86	78	73	72	80	76.8
	Minimum	49	45	48	61	65	65	66	67	65	58	52	51	51	53	56	57	53	49	48	59	61	58	54	62	66	65	63	49	46	44	52	55.6
Louisville	Maximum	72	70	78	83	83	82	82	82	76	65	59	63	70	78	85	82	69	66	77	77	82	84	86	87	89	88	86	78	73	72	80	78.0
	Minimum	49	40	40	52	56	55	55	60	57	50	48	50	45	47	55	57	53	49	47	59	61	58	54	62	66	65	63	49	46	44	52	53.7
Mt. Eden	Maximum	72	63	69	80	82	83	83	80	82	74	64	62	73	81	84	82	73	71	78	78	81	82	84	85	87	86	84	76	72	71	78	77.0
	Minimum	47	42	36	44	57	52	50	56	56	48	46	48	43	44	52	50	51	45	47	54	53	56	48	54	56	55	53	45	43	40	46	50.1
Shelbyville	Maximum	72	68	74	84	84	84	84	84	78	68	64	64	72	82	86	83	74	72	78	78	82	84	86	87	89	88	86	78	73	72	80	78.0
	Minimum	49	40	40	52	56	55	55	60	57	50	48	50	45	47	55	57	53	49	47	59	61	58	54	62	66	65	63	49	46	44	52	53.7
Taylorsville	Maximum	72	63	69	80	82	83	83	80	82	74	64	62	73	81	84	82	73	71	78	78	81	82	84	85	87	86	84	76	72	71	78	77.0
	Minimum	47	42	36	44	57	52	50	56	56	48	46	48	43	44	52	50	51	45	47	54	53	56	48	54	56	55	53	45	43	40	46	50.1
Walnut Grove	Maximum	67	66	70	86	85	87	86	89	79	71	69	75	84	86	87	84	80	77	79	79	86	81	84	87	89	88	86	78	73	72	80	78.0
	Minimum	47	37	38	52	60	60	61	63	57	52	49	51	45	50	58	55	49	41	44	53	62	49	50	54	61	60	59	49	46	44	52	52.7
Eastern Division																																	
Ashland	Maximum	66	65	69	82	84	85	86	86	80	80	67	66	73	64	70	85	85	86	86	76	78	74	74	78	88	87	86	80	70	69	77	76.7
	Minimum	52	47	45	54	57	54	61	56	59	56	54	54	53	47	58	57	51	45	48	56	56	56	56	57	67	64	61	60	55	45	42	54.2
Beattyville	Maximum	68	65	77	85	87	87	87	87	86	78	68	68	76	83	88	86	77	76	81	77	86	84	86	87	89	88	87	81	76	75	82	80.3
	Minimum	48	43	34	47	53	51	51	53	59	52	55	48	51	49	55	54	51	47	47	56	56	56	49	57	65	64	62	51	48	47	55	54
Boyd	Maximum	66	63	74	84	85	86	84	84	84	68	66	66	73	82	86	84	76	74	80	78	84	84	86	87	89	88	87	81	76	75	82	80.3
	Minimum	54	47	47	57	63	63	63	64	65	54	52	50	50	45	52	52	50	47	47	56	56	56	49	57	65	64	62	51	48	47	55	54
Carter	Maximum	66	65	69	82	84	85	86	86	80	80	67	66	73	64	70	85	85	86	86	76	78	74	74	78	88	87	86	80	70	69	77	76.7
	Minimum	52	47	45	54	57	54	61	56	59	56	54	54	53	47	58	57	51	45	48	56	56	56	56	57	67	64	61	60	55	45	42	54.2
Farmers	Maximum	68	65	77	85	87	87	87	87	86	78	68	68	76	83	88	86	77	76	81	77	86	84	86	87	89	88	87	81	76	75	82	80.3
	Minimum	48	43	34	47	53	51	51	53	59	52	55	48	51	49	55	54	51	47	47	56	56	56	49	57	65	64	62	51	48	47	55	54
Harlan	Maximum	66	63	74	84	85	86	84	84	84	68	66	66	73	82	86	84	76	74	80	78	84	84	86	87	89	88	87	81	76	75	82	80.3
	Minimum	54	47	47	57	63	63	63	64	65	54	52	50	50	45	52	52	50	47	47	56	56	56	49	57	65	64	62	51	48	47	55	54
Harlan	Maximum	72	68	74	80	85	82	80	80	79	75	64	56	63	69	76	80	74	68	68	74	74	78	82	83	85	84	82	74	70	71	76	76
	Minimum	55	44	45	54	57	57	57	57	58	48	50	48	45	47	57	56	51	44	47	55	52	52	45	57	67	63	63	47	46	46	52	53
Hazard	Maximum	69	69	80	78	77	77	81	80	79	72	68	68	74	78	84	82	68	67	76	78	84	82	84	85	87	86	84	76	72	71	78	78
	Minimum	47	46	46	59	57	52	58	61	58	52	48	50	46	48	50	49	48	44	47	54	58	55	48	54	56	55	53	45	43	40	46	50
Manchester	Maximum	71	70	77	84	85	85	85	86	86	76	71	66	76	84	87	84	75	73	80	78	84	84	86	87	89	88	86	78	73	72	80	78
	Minimum	49	43	41	45	46	49	42	57	57	54	46	49	46	46	52	52	50	47	47	58	58	58	50	58	60	58	57	49	46	45	50	50
Mount Sterling	Maximum	68	66	73	85	86	86	87	86	82	75	68	67	75	82	86	84	74	72	78	78	82	84	86	87	89	88	86	78	73	72	80	78
	Minimum	48	39	39	44	54	56	55	61	62	55	50	48	47	48	56	55	51	48	47	58	58	58	50	58	60	58	57	49	46	45	50	50
Pineville	Maximum	70	68	74	84	85	84	86	87	86	78	68	68	76	83	88	86	77	76	81	77	86	84	86	87	89	88	87	81	76	75	82	80.3
	Minimum	54	47	47	57	63	63	63	64	65	54	52	50	50	45	52	52	50	47	47	56	56	56	49	57	65	64	62	51	48	47	55	54
Quicksand	Maximum	70	68	74	84	85	84	86	87	86	78	68	68	76	83	88	86	77	76	81	77	86	84	86	87	89	88	87	81	76	75	82	80.3
	Minimum	54	47	47	57	63	63	63	64	65	54	52	50	50	45	52	52	50	47	47	56	56	56	49	57	65	64	62	51	48	47	55	54
Quicksand	Maximum	70	68	74	84	85	84	86	87	86	78	68	68	76	83	88	86	77	76	81	77	86	84	86	87	89	88	87	81	76	75	82	80.3
	Minimum	54	47	47	57	63	63	63	64	65	54	52	50	50	45	52	52	50	47	47	56	56	56	49	57	65	64	62	51	48	47	55	54
Williamsburg	Maximum	70	68	74	84	85	84	86	87	86	78	68	68	76	83	88	86	77	76	81	77	86	84	86	87	89	88	87	81	76	75	82	80.3
	Minimum	54	47	47	57	63	63	63	64	65	54	52	50	50	45	52	52	50	47	47	56	56	56	49	57	65	64	62	51	48	47	55	54

... morning. The maximum in the above monthly record is charged to the previous day ... occurs at about midnight ... occurs at about sunrise (local time).

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

18 KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
Vol. XXXVII LOUISVILLE, KY., JULY, 1932 No. 7

GENERAL SUMMARY.

Heavy rains in the first and second weeks reached all sections nd restored normal growing conditions. In most districts the ainfall was sufficient to revive pastures. In some eastern ocalities excessive rains caused heavy run-off that washed fields nd damaged crops in creek bottoms. During the preceding ry weather plants had formed large root systems in the search or moisture, hence the soaking rains caused exceptionally rapid nd vigorous growth. The rains interfered with cultivation, reshing, and hay and oats harvest. In the northeastern unties, where the rains were most persistent, much corn was id by in weedy condition. Early corn began to tassel in the cond week, with ample moisture in the soil. Later in the onth corn tasseled in some sections without sufficient moisture induce the formation of ears. Early tobacco came quickly topping stage and late tobacco made an excellent start.

Dry weather and temperatures above normal during the last ree weeks promoted active crop development while the supply moisture remained sufficient, but caused slow and irregular owth toward the end of the month when rapid evaporation d dried out the soil. Crops in western areas which had re-ived the least rainfall were checked or began to suffer in the ird week. In eastern districts satisfactory growth continued r another week. By the end of the month corn on slopes and inner soils was "firing" and had been considerably damaged. n bottoms and the better uplands corn remained generally good, t growth was retarded. Early tobacco was yellowing and ossoming prematurely, with some "firing" in unfavorable eations, while late tobacco had practically ceased growing. stures in central and western sections were badly dried. ardens, truck crops and field tomatoes were suffering.

TEMPERATURE.

The mean temperature for the State, 78.5°, which was higher an usual for July, resulted mainly from the high records at tions in the dry central and western counties. In the rela-ely moist districts average temperatures but little above rmal, and occasionally below normal, were recorded. The tremes were 103° at Williamsburg on the 20th and 49° at rmers on the 4th and 31st.

PRECIPITATION.

Precipitation averaged near normal but showed remarkable gional variations. In most eastern counties and in southwest-n districts amounts ranged between 4.0 and 8.0 inches. The eas of heaviest rainfall were in the Kentucky basin and the treme northeastern counties. Between the northeastern and uthwestern moist areas a broad belt, extending across the tte from the lower Ohio to the Virginia boundary received ly 2.0 to 3.5 inches. The dryest parts of this section were in e Green River Valley and near the Virginia line. Moderate ns occurred in the central dry belt and heavy to excessive ns in other districts from the 4th to 8th. Most of the month's n fell in this period. From the 10th to 30th rainfall was al and extremely irregular. The principal showers occurred the periods 16-17th, 22d-24th, and 27-28th. For the state ecipitation varied between 3.82 inches at Berea and 1.95 ches at Ripley. Days with thunderstorms were: 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 15, 16, 20, 21, 24, 25, 27, 29.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure (Inches reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total movement.	Av. hourly velocity.	Max. Velocity Miles per hour.	Direction.	Date.
Cairo ..... Ill.	29.84	30.18	12	29.61	3	6328	7.2	27	n.	19
Cincinnati ..... Ohio.	29.80	30.23	12	29.53	4	4852	6.6	27	sw.	21
Evansville ..... Ind.	29.96	30.18	12	29.61	4	6126	8.5	29	nw.	18
Lexington ..... Ky.	29.88	30.24	12	29.54	1	8179	11.1	43	sw.	18
Louisville ..... Ky.	29.87	30.22	12	29.54	1	6966	9.5	32	sw.	18

*For any five minute period. †Fastest mile. Dir. corrected to true values.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total Hours Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 60 per cent or more.	20 per cent or less.
Cairo ..... Ill.	81	67	60	389.0	447.1	87	22	0
Cincinnati ..... Ohio.	78	53	37	359.2	452.3	79	22	1
Evansville ..... Ind.	74	52	55	342.8	449.8	76	18	0
Lexington ..... Ky.	75	56	..	357.1	449.8	79	17	2
Louisville ..... Ky.	75	56	54	338.9	449.8	75	17	1

COMPARATIVE DATA FOR JUNE. July

Year.	Temperature. Monthly average.	Departure from 46 year normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 46 year normal.	No. of days with .01in or more rain.	Average Number of Day. Clear.	Partly cloudy.	Cloudy.	Average snowfall.
Mean	76.8	.....	114	40	4.14	.....	9	16	9	6	0
1889...	75.1	− 1.7	98	50	5.62	+1.48	..	..	..	..	..
1890...	73.0	− 3.8	101	44	2.66	−1.48	..	..	..	..	..
1891...	74.0	− 2.8	91	47	4.08	−0.06	..	..	..	..	..
1892...	76.5	− 0.3	100	48	3.30	−0.84	..	..	..	..	..
1893...	78.8	+ 2.0	101	50	3.48	−0.66	..	..	..	..	..
1894...	76.2	− 0.6	105	43	2.03	−2.11	..	..	..	..	..
1895...	75.2	− 1.6	99	49	5.75	+1.61	9	10	13	9	..
1896...	77.4	+ 0.6	103	47	7.44	+3.30	11	11	12	8	0
1897...	77.3	+ 0.5	107	50	4.79	+0.65	10	14	11	5	0
1898...	77.8	+ 1.0	102	48	4.71	+0.57	11	13	11	5	0
1899...	77.3	+ 0.5	100	47	3.78	−0.36	9	15	10	6	0
1900...	77.9	+ 1.1	101	50	4.91	+0.77	11	15	11	5	0
1901...	81.7	+ 4.9	112	48	1.72	−2.42	3	21	7	3	0
1902...	78.1	+ 1.3	107	48	1.91	−2.23	6	19	9	3	0
1903...	77.5	+ 0.7	104	49	3.53	−0.61	8	17	9	5	0
1904...	75.2	− 1.6	99	46	3.40	−0.74	10	16	9	6	0
1905...	75.9	− 0.9	102	52	5.93	+1.79	13	14	9	8	0
1906...	75.2	− 1.6	100	51	6.62	+1.88	11	14	9	8	0
1907...	78.1	+ 1.3	102	49	4.71	+0.57	9	18	8	5	0
1908...	76.9	+ 0.1	106	50	3.94	−0.20	10	16	8	7	0
1909...	74.8	− 2.0	99	48	6.01	+1.87	11	14	9	8	0
1910...	76.2	− 0.6	96	51	8.63	+4.49	16	10	9	12	0
1911...	75.8	− 1.0	105	42	2.28	−1.86	7	16	8	6	0
1912...	76.8	0.0	100	53	5.50	+1.36	12	13	10	8	0
1913...	79.9	+ 3.1	109	48	2.54	−1.60	7	17	10	4	0
1914...	78.8	+ 2.0	109	48	3.20	−0.94	6	17	9	5	0
1915...	75.7	− 1.1	102	49	5.30	+1.16	11	14	11	6	0
1916...	78.6	+ 1.8	102	52	4.17	+0.03	9	17	9	5	0
1917...	75.3	− 1.5	100	50	4.28	+0.24	11	12	10	8	0
1918...	73.8	− 3.0	103	46	3.28	−0.76	11	12	10	8	0
1919...	79.5	+ 2.7	104	56	2.10	−2.24	5	20	8	3	0
1920...	75.2	− 1.6	99	44	3.83	−0.31	9	15	9	6	0
1921...	81.1	+ 4.3	103	62	2.65	−1.49	7	17	10	4	0
1922...	76.4	− 0.4	102	47	4.77	+0.63	9	17	9	5	0
1923...	76.8	0.0	99	44	3.59	−0.61	8	17	9	5	0
1924...	76.7	− 0.1	95	45	3.63	−0.51	8	18	8	5	0
1925...	76.7	− 0.1	105	46	3.93	−0.21	9	15	10	6	0
1926...	77.6	+ 0.8	107	48	4.36	+0.22	9	16	9	6	0
1927...	75.7	− 1.1	101	45	3.71	−0.43	9	17	9	5	0
1928...	77.0	+ 0.2	100	50	4.07	−0.07	8	17	10	4	0
1929...	76.7	− 0.1	101	46	3.97	−0.17	9	16	10	5	0
1930...	76.5	− 0.3	114	45	4.25	+0.11	8	21	7	3	0
1931...	79.9	+ 3.1	103	51	3.85	−0.29	5	18	8	5	0
1932...	77.8	+ 1.7	103	49	4.31	+0.17	5	19	7	5	0

Climatological Data for July, 1932.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.						Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With preceding Oct. 1st, or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	28	79.8	+ 2.0	101	14†	54	2†	38	2.50	−1.48	1.50	0	6	25	1	5	s.	Mrs. Lena F. Taylor.
Calvert	Mclean	437	28	80.5	+ 2.5	101	28	56	2	34	2.88	−1.24	1.52	0	6	16	19	2	sw.	W. A. Taylor.
Carlisle	Hopkins	420	42	81.2	+ 2.7	101	19†	54	2	38	8.53	−0.40	1.18	0	8	23	5	3	sw.	Brick Southworth.
Carrollton	Carrollton	365	5	.....	.....	.....	.....	.....	.....	.....	2.85	.....	1.25	0	8	.....	.....	.....	.....	W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	359	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	8	.....	.....	.....	.....	.....
Greenville	Muhlenburg	519	15	79.2	+ 2.1	98	21†	52	2	37	3.59	+0.43	1.60	0	8	22	9	0	s.	C. R. Lovell.
Henderson	Henderson	382	18	81.0	.....	102	22	55	2	31	2.73	−0.49	1.08	0	6	24	6	1	sw.	Richard Stites
Hopkinsville	Christian	524	36	80.8	+ 2.0	102	14	52	2	35	5.22	+1.30	3.55	0	7	6	8	17	se.	W. E. Graves.
Leitchfield	Grayson	.....	8	81.0	.....	101	15	53	2	36	3.61	.....	1.20	0	7	24	6	1	s.	Bleuve Malone.
Louisville	Jefferson	550	21	78.6	+ 0.9	96§	16†	55†	3	32†	5.11	+0.88	3.80	0	5	22	3	6	w.	B. C. Paris.
Marion	Crittenden	571	34	80.3	+ 0.4	99	21	54	2	29	3.15	−0.43	1.10	0	4	20	8	3	nw.	Mrs. C. R. Sowell.
Mayfield	Graves	364	28	80.6	+ 0.7	99§	19	55§	2	33§	4.86	+0.99	0.87	0	8	26	2	3	nw.	Harry L. Arnold
Murray	Calloway	412	6	80.0	.....	99	14†	52	2	39	5.57	.....	1.65	0	10	12	15	4	s.	Henry S. Barry.
Owensboro	Daviess	479	35	77.8	+ 0.1	95	21	55	3	31	2.65	−0.64	1.80	0	6	20	6	5	s.	George McClemary.
Owensboro, Dam 46	Daviess	404	4	.....	.....	.....	.....	.....	.....	.....	2.72	.....	1.80	0	7	.....	.....	.....	.....	.....
Paducah	McCracken	316	15	82.0	+ 2.0	101	15	55	2	35	5.32	+2.32	2.10	0	8	22	5	4	sw.	J. W. Daley
Paducah	McCracken	341	48	.....	.....	.....	.....	.....	.....	.....	4.58	+0.82	1.80	0	8	.....	.....	.....	.....	Frank L. Brown
Princeton	Caldwell	529	25	81.3	+ 3.6	101	19	56	2	33	3.57	−0.27	1.02	0	10	13	15	13	s.	Dr. W. L. Cash.
Russellville	Logan	550	21	78.6	+ 0.9	96§	16†	55†	3	32†	5.11	+0.88	3.80	0	5	22	3	6	w.	Thos. L. Wetzell.
Smithland, Lock 52	Livingston	384	15	.....	.....	.....	.....	.....	.....	.....	1.95	0.46	0.84	0	6	.....	.....	.....	.....	Wm. Shelton.
Uniontown, Dam 49	Union	357	4	.....	.....	.....	.....	.....	.....	.....	4.97	.....	1.42	0	8	.....	.....	.....	.....	Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	352	4	.....	.....	.....	.....	.....	.....	.....	2.82	.....	1.55	0	4	.....	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	740	31	76.4	+ 0.2	95	14	54	2†	31	4.31	+0.08	2.46	0	5	24	5	2	nw.	C. E. Barret.
Bardstown	Nelson	637	35	78.6	+ 2.3	99	29	53	3	35	3.58	−0.33	0.85	0	6	22	2	5	w.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	43	81.5	+ 2.8	100	15†	55	21	31	3.87	−0.96	2.20	0	7	20	7	4	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	460	7	.....	.....	.....	.....	.....	.....	.....	3.30	.....	1.22	0	9	.....	.....	.....	.....	J. Boone
Bowling Green, Lock 6	Warren	369	7	.....	.....	.....	.....	.....	.....	.....	2.96	−0.14	1.62	0	6	.....	.....	.....	.....	Virgil M. Whalin.
Brownsville, Lock 67	Edmonson	410	15	.....	.....	.....	.....	.....	.....	.....	3.76	−1.13	1.42	0	7	.....	.....	.....	.....	T. A. Lewis
Burnside	Pulaski	778	41	.....	.....	.....	.....	.....	.....	.....	4.83	.....	1.70	0	6	.....	.....	.....	.....	Shelby Angel.
Campbellsburg, Lock 11	Carroll	522	33	.....	.....	.....	.....	.....	.....	.....	5.58	+2.21	1.75	0	6	.....	.....	.....	.....	Reuben Hartley.
Cold Spring, Dam 36	Campbell	489	6	.....	.....	.....	.....	.....	.....	.....	4.09	.....	1.62	0	5	.....	.....	.....	.....	C. W. Williams.
Dix Dam, Burgin	Mercer	770	8	79.4	.....	100	14	53	30	35	3.87	.....	1.70	0	7	17	6	8	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	38	76.6	+ 2.7	94	16	50	3	38	5.76	−1.04	0.98	0	6	16	8	8	s.	Sidney Wood.
Frankfort	Franklin	570	46	77.5	+ 0.8	99	2nd	52	3†	35	6.92	+2.86	8.65	0	9	20	2	9	s.	M. E. Johnson.
Franklin	Simpson	601	37	80.0	+ 2.2	98	15†	57	2	30	5.15	+0.95	3.93	0	4	19	10	2	nw.	Louis Shadell.
Gest, Lock 3	Henry	449	21	.....	.....	.....	.....	.....	.....	.....	4.66	+0.32	1.50	0	7	.....	.....	.....	.....	Louis Shadell.
Grant, Dam 38	Boone	780	7	.....	.....	.....	.....	.....	.....	.....	3.80	.....	2.07	0	8	.....	.....	.....	.....	R. W. Spragg, e.
Greensburg	Green	581	29	78.8	+ 2.2	101	20†	51	3	38	3.14	−1.11	1.26	0	9	7	11	13	sw.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	350	39	.....	.....	.....	.....	.....	.....	.....	3.22	−1.15	0.81	0	8	.....	.....	.....	.....	Miss Ruby L. Simpson.
Irvington	Breckinridge	676	34	79.6	+ 1.7	96	20†	57	2†	36	2.17	−1.04	0.95	0	6	20	7	4	sw.	W. J. Piggott.
Lancaster	Garrard	1052	6	.....	.....	.....	.....	.....	.....	.....	6.00	.....	3.10	0	7	.....	.....	.....	.....	John Anderson.
Leitchfield	Grayson	695	36	78.0	+ 2.4	99	20	55	2	35	2.22	−1.73	1.02	0	9	18	12	1	sw.	B. E. Willis.
Lexington	Fayette	988	48	77.0	+ 1.1	95	19	56	2	26	2.28	−1.07	1.16	0	10	21	7	3	sw.	U. S. Weather Bureau.
Little Blackman, Lock 8	Jessamine	838	31	.....	.....	.....	.....	.....	.....	.....	1.50	−0.44	2.00	0	7	.....	.....	.....	.....	Horace Carter.
Lockport, Lock 2	Henry	476	22	.....	.....	.....	.....	.....	.....	.....	4.70	+0.90	1.40	0	6	.....	.....	.....	.....	Frank Litch.
Louisville	Jefferson	525	59	79.0	+ 1.6	97	20	65	3†	25	3.68	−0.02	1.99	0	7	12	15	4	sw.	U. S. Weather Bureau.
Mansfield	Hart	690	9	.....	.....	.....	.....	.....	.....	.....	2.2	.....	1.40	0	5	.....	.....	.....	.....	A. G. Hilyard.
Stanford	Lincoln	977	36	78.2	+ 2.2	98	14†	52	2†	37	4.88	+1.2	1.50	0	8	22	7	2	.....	Seymour Lavrette.
St. John	Mercer	490	38	.....	.....	.....	.....	.....	.....	.....	3.15	−1.57	1.37	0	5	.....	.....	.....	.....	Ernest M. Dorsey.
Salvisa, Lock 6	Mercer	490	38	.....	.....	.....	.....	.....	.....	.....	4.84	+0.71	1.80	0	6	17	4	10	s.	Mrs. Ruth Ratte.
Shelbyville	Shelby	825	43	78.0	+ 1.4	98	20†	55	2†	33	3.13	1.06	1.39	0	10	24	4	3	s.	E. D. Bourne.
Taylorsville	Spencer	564	30	77.4	+ 1.8	96	15†	53	30†	38	2.23	2.21	0.58	0	7	.....	.....	.....	.....	E. Y. Veazhue.
Tyrone, Lock 5	Anderson	526	34	.....	.....	.....	.....	.....	.....	.....	3.27	−2.49	2.20	0	7	24	1	7	w.	Miss Nettie B. Simpson.
Williamstown	Grant	942	29	78.6	+ 2.9	101	20†	52	2	39	2.11	−1.05	0.60	0	9	.....	.....	.....	.....	L. J. Lewis.
Woodbury, Lock 4	Butler	533	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																			
Annville	Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.38	.....	1.45	0	11	18	8	5	sw.	W. A. Worthington.
Ashland	Boyd	552	13	78.6	− 0.5	98	21	54	8	32	6.23	+3.19	2.06	0	18	16	7	8	w.	Jacob Armstrong.
Barbourville	Knox	650	24	76.0	− 0.4	97	20	51	3†	36	7.63	+2.87	3.63	0	13	8	13	10	s.	Robert S. Smallwood.
Beattyville	Lee	1070	27	76.7	+ 0.7	97	20	53	31	34	3.82	+2.14	1.80	0	8	22	8	1	s.	Chas. C. Graham.
Booneville	Owsley	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.5	+2.90	1.60	0	10	.....	.....	.....	.....	Lewis Weldon
Carrollton, Lock 11	Gallatin	491	32	.....	.....	.....	.....	.....	.....	.....	4.51	+2.30	1.30	0	6	.....	.....	.....	.....	P. H. Johns.
Carrollton	Carroll	494	14	.....	.....	.....	.....	.....	.....	.....	6.26	+2.53	2.50	0	6	.....	.....	.....	.....	T. H. Oldham
Cynthiana	Pendleton	600	42	.....	.....	.....	.....	.....	.....	.....	5.70	+1.01	1.31	0	10	17	5	9	e.	Mrs. R. P. Stamper.
Falmouth	Pendleton	698	24	75.9	+ 1.2	98§	20	45§	4†	40§	3.57	.....	1.12	0	6	.....	.....	.....	.....	C. A. Glascock
Flemingsburg	Fleming	841	7	.....	.....	.....	.....	.....	.....	.....	1.46	−0.52	1.37	0	9	.....	.....	.....	.....	John A. Walters.
Ford, Lock 10	Clark	500	15	.....	.....	.....	.....	.....	.....	.....	7.03	.....	2.33	0	9	.....	.....	.....	.....	ol. Frank Bowers.
Grayson	Carter	550	7	.....	.....	.....	.....	.....	.....	.....	8.57	+3.32	3.56	0	14	.....	.....	.....	.....	O. Powell.
Hazard, Dam 39	Perry	940	12	.....	.....	.....	.....	.....	.....	.....	2.91	.....	0.98	0	8	20	10	1	nw.	W. W. Bissell
Hesbon	Harlan	1197	4	75.6	.....	97	16	54	31	35	2.91	.....	0.98	0	8	.....	.....	.....	.....	Chas. O. Ihrig.
Hyden	Perry	989	8	.....	.....	.....	.....	.....	.....	.....	3.90	.....	0.84	0	13	.....	.....	.....	.....	S. C. Cobb.
Irvine, Lock 11	Lee	564	15	.....	.....	.....	.....	.....	.....	.....	7.79	+3.27	3.57	0	12	.....	.....	.....	.....	R. B. Davidson.
Jenkins	Letcher	1500	7	.....	.....	.....	.....	.....	.....	.....	2.35	.....	0.94	0	7	.....	.....	.....	.....	Rev. Ben Caudill.
Jeremiah	Breathitt	1000	7	.....	.....	.....	.....	.....	.....	.....	5.67	+2.22	1.80	0	12	.....	.....	.....	.....	Rockwell Conley.
Jonesboro	Campbell	654	28	.....	.....	.....	.....	.....	.....	.....	4.99	+0.08	1.50	0	11	.....	.....	.....	.....	Kenneth H. White.
Lancaster	Clay	.....	12	.....	.....	.....	.....	.....	.....	.....	4.98	+0.88	1.70	0	8	17	6	8	se.	Perry E. Bennett.
Langley	Floyd	824	35	75.3	− 1.5	100	22	52	3	35	5.18	+0.85	1.70	0	5	20	10	1	se.	Matthew Woodson
Middlesboro	Bell	1128	33	77.8	− 3.0	100	21	51	3	31	2.47	−2.46	0.85	0	9	18	10	3	w.	W. R. McKee.
Mount Sterling	Montgomery	990	12	75.1	+ 0.2	101	21	50	31	34	1.52	−0.6	1.54	0	8	.....	.....	.....	.....	Otto Gilbert.
Owingsville, Dam 35	Bath	497	5	.....	.....	.....	.....	.....	.....	.....	4.37	−0.37	1.49	0	8	.....	.....	.....	.....	Roy Depoyster.
Pineville	Bell	696	26	.....	.....	.....	.....	.....	.....	.....	3.11	−1.01	0.87	0	10	.....	.....	.....	.....	W. Summerfield.
Pleasureville	Shelby	1053	.....	77.6	.....	97	20†	50	4	39	3.19	.....	1.07	0	10	22	7	2	.....	F. C. Bell.
Prestonsburg	Floyd	650	7	.....	.....	.....	.....	.....	.....	.....	5.64	.....	0.74	0	9	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breathitt	777	6	76.0	.....	97†	13	50§	3	36§	7.57	.....	2.60	0	7	.....	.....	.....	.....	Walter P. Gush.
Salyersville, Lock 12	Magoffin	670	14	.....	.....	.....	.....	.....	.....	.....	5.91	0.48	2.70	0	10	.....	.....	.....	.....	W. Crooke.
Somerset	Pulaski	775	41	77.0	+ 0.3	96	22	57	30	25	8.88	2.16	1.80	0	8	22	2	7	.....	Thos. Sullivan.
Tompkinsville, Lock 6	Monroe	521	19	.....	.....	.....	.....	.....	.....	.....	5.25	+1.03	2.50	0	10	.....	.....	.....	.....	C. M. Dennis
Wallingford, Lock 13	Lewis	520	17	.....	.....	.....	.....	.....	.....	.....	7.34	+3.16	2.16	0	12	.....	.....	.....	.....	E. E. Zimmerman.
Wheelwright	Floyd	1145	7	.....	.....	.....	.....	.....	.....	.....	1.64	.....	0.43	0	9	.....	.....	.....	.....	H. V. Davis.
Williamsburg	Whitley	1000	45	79.8	+ 2.1	103	20	53	3	37	2.00	−2.03	0.87	0	10	21	8	1	e.	Cleveland Angel
Wilmore, Lock 15	Lee	651	17	.....	.....	.....	.....	.....	.....	.....	6.00	−2.7	1.50	0	6	.....	.....	.....	.....	.....
Averages and ex				78.6	+ 1.7	103	20	49	4†	40	4.21	−0.17	4.80	0	8	19	7	5	s.	

[illegible] or more days of record, but not complete reports are [illegible] Dam 39, Lock 14, at the [illegible] other locks are on the Kentucky River [illegible] Dam 39, Lock 14, at the [illegible] other locks are on the Kentucky River [illegible] [illegible] [illegible]

Daily Precipitation for July, 1932.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																														
...ver Dam				.40	.1	.05	1.60																							
...mas			T	.30	.75	1.50										.10														
...lington				.20	.60	.24	T	T			.43				T															
...ds Ferry, Dam 50				.80	.05	.24	T	T	.15		.40											.04	.02							
...ville				.47	.2	.04	T	T			.25											.05								
...ldenburg		.30	T.	.82	.2	T				0.1	.25											T	T			1.15				
...dsville					1.35	.18	.05				.12					.02				T		.30	.22			.05	.01				
...Hacksville					1.00	.20	.10	.21	.07														.55							
...ham				.28		.20		.42		.45											T	.04								
...ford						.20	T	1.05																						
...ville		.81		.46	.43	.35					.62															1.20				
...sboro		.68		.85	1.40	1.05	T	.15		.52	.10															.02				
...ksboro, Dam 46			T.		.85	.60	1.80	T	.07			.07						.06			.06									
...ood (near S			.01		.40	.35	1.85		.07			.10				T						T	.11			1.35		T	T	
...dam 4		.15			.60	.35	.20				1.15	.85										T.	.03							
...dtown			.46		.35	.15	.24	.20															.12							
...ney, Lock No. 2		.04		.64	.30	.08	.24	.62			.6										T.									
...ollville					.28		.25	.81				.01				.04					.15	T.				1.64	T			
...ndrew, Dam 49					3.80	.56	.40	.21				.41									.02									
...Eastern Division					.13	1.62	.93	.30			.76																				
...son, Dam 45																						.15	.92				.61			
...ance		.16		.90	1.14	.8																								
...ison		.46	T.	2.40	.71	.2	.76				T											T.								
...ling Green					.75	.80	.24	.35																						
...ling Green, No. 2					2.84	.78	.65	.50							.01							.04	.8				T	T		
...ton, Lock & Dam No. 6					.81	.2	.60						.21														.1	.12		
...ston			.01		1.10	1.5	.14	.05					.25							.04		.02					.21	.17		
...ver, Lock No. 1		.18	T		1.27	.12	.38	T	.26			.06															.06			
...ville, Dam 36					1.04	.7	1.37									.13						T					T			
...Dam, Corgan					.12		1.02		.06		.57																.20			
...ns	K			1.30	.01	.2		.30			.24																	T		
...kford					.75	.85	.60		.25											.01	.10						.06			
...on	K		.11		.51	1.3	3.05									.10											.06			
... Lock No. 3	K		T		3.05	.05	1.05									.05					.20						.83			
...t, Dam 43	O				1.17	1.18	1.30	T.	.48																		.06	.16		
...ington	O				1.30	.72	.07		.11																		.14			
...Lock No. 7	K				1.30	.50	.05		.20																		.50	.17		
...ood		.02			.75	.2	.51		.15			.05											.07			.02	.04	.06		
...ester					.81	.05	.02															.47								
...ville	O			.40	2.38																	.07	.30				.47	.01		
...son ***	K	.45			1.12	.32	.10	.05														.02	.3			.12	T.			
...E. Knox, Lock No. 8	K	.04		.65	1.17	.75	T	.51			T		.02		.06					T		.02				.12				
...ort, Lock No. 2	K			T.	1.25	.18	.2								.04				F.	T.	.14					.07				
...ville	O	T.		T.	1.23	1.20	1.30	T	.52											T.	.40	.10				.12	.03		.02		
...ville					.28	1.71	1.07	T	.51			T																.20			
...ton			.08		.45	.44	.02								.03					T						.06	.05	T		
...s Lock No 6			.93		1.50	.85	.26																			T	.07	.01		
...ville					1.37	.57	.70									.05					.23	1.17				.03				
...rville			.06		.25	.08	1.8			.29						.60					.15					.20				
...e, Lock No. 5		.03			1.40	.55	.01	.3				.05		T																
...nstown		.28		.57	.01	.2		.35								.8					.01		.18				1.19			
...Lock No. 4			.42		2.20	1.51	.07	.02	.2		.20					.4												.02		
...Eastern Division			.04		.8	.60	.21	.11																			.10			
...lle	C		.09		.58	.82	1.6													T.	.21	.04					.17	.01	.05		
...ce	O	.24			.58	2.46	1.58	T	.10			.15				.18	.22										.33	.17			
...ville	K	.20	.01		.60	.63	.65	.07	.45		.02					.25	.01				.24	.15				.42				
...e, Lock No. 6	K				1.90	.64	.80	.90					.02		1.05						.4		.15			.25		.11	.02	
...ton	K		.05		.52	.01	.6	T	.03						.07					.60	.20	T.			T	.03	.23			
...ver	K			T.	1.05	.30	.80	.40					T.		.15						.10	.8				.03				
...rs	K				1.30	.01	.50		.12						.48						T.					.05	.06	T		
...esburg	K		.51		1.03	1.71	.35		.25		.13				.06											.48		T		
...Lock No. 10	K				.67	.12	.50	.2			.41				.09	.43										.35		.28		
...on	O		.33		1.37	.48	.01					T.											.21			.16				
...ty, Dam 38	O				.54	1.27	.55	.24			.52				T						.62	T.	.06			.03				
...g	O	.21	.22		.57	.68	2.87		.22		.24										2.48	.3	.37			.07	.13	.21	T	
...ocer, Lock No. 11	K		.12		.42	.26	.13	.28	.52				.01	.09	.20					T.	.67	.16				.03	.09	.20	.07	
...s	K	.00	.01		.52	1.3	.7	.18	.30			.02		.01	.68	.14					.41									
...l					.82	.12	.04	.15									1.02				.18	.67				.84	.21	.05	T.	
...ester	K		.02		1.10	.71	.9		.03			.12			.75						.07					.06	.52			
...l	O				.67	.28	.4		.46						.2	.22					.20									
...shoro	O		.01		1.00	.52	.60		.01			.12			.90	.45					.02	.43			1.01	.18		.12	.04	
...Sterling	C	.17			.09	.30	.12	.78	.35																	.14				
...a Dam 35	O		T		1.65	.55	.76	T	.04			.10			.04											.27				
...le	K		.20		.2	.15	1.41	T	.05	T		.15			.11						.20		.13			.48				
...ers	K				.69	.57	.40								.95	.3					.92	T				.05	.23	.17		
...ing	K		.26		.52	.41	2.24	.04	.59			.19		.14	T.	.15					.2	.01				T.	.08			
...a, Lock No. 12	K		.17	.80		.52	.50		.53						T.	.45					T.					.31	.11			
...n	K	T	.75		.95	.50	2.75	.07	.15			T				.06															
...View, Lock No. 9	K		T.		.90	1.11	.80		.20	T.					T.	.22					.22	.23	T.			.72	.21			
...rg, Dam No. 32	O			2.00	.20	1.45															.05	.42				.15				
...nton	O				1.25	.62	2.15	.01	.45		2.15				.07					.30	.01	.03				.14	.18			
...sburg	K		.15		.14	.26	.11	.20	.33						.01						.26									
...Lock No. 13	K		.10		.43	.87	.20	.25	.20						.12	T.						.15				.63	.61	.32	.11	
					.20		.2								.10	.16						.23				.07			.09	
											4.50					1.50										.50	.10			

...ecords received are indicated by observations are generally made late in the afternoon, near sunset, and precipitation recorded as for the 24 hours ending at the ... observation.

(Dash) Regular Weather Bureau station; precipitation is for exact hour period, midnight to midnight.

(Parenthesis mark) Regular Weather Bureau station; precipitation is for exact hour period, midnight to midnight.

a Precipitation measured in the morning; amount of rain recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (M) Mississippi.

*Low Oak

Daily Temperatures for July, 1932.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	89	80	84	89	89	87	91	87	91	96	94	96	100	101	99	101	95	98	95	101	100	100	97	91	91	98	95	97	92	85	88	93.1
	Minimum	69	54	56	70	74	71	69	67	69	70	68	69	69	73	72	72	67	66	66	69	72	78	72	65	66	68	66	72	68	68	64	66.5
Calhoun	Maximum	88	84	80	91	87	84	89	88	90	95	91	93	98	98	98	97	96	98	96	98	99	99	97	91	91	92	95	101	89	87	87	92.3
	Minimum	71	56	57	72	73	72	70	69	68	74	68	69	70	78	76	76	73	70	64	68	75	76	72	65	60	70	71	67	71	61	56	68.4
Earlington	Maximum	88	84	82	90	88	87	93	87	90	96	90	95	98	99	99	98	98	98	101	100	101	99	97	95	96	96	92	94	98	87	89	93.4
	Minimum	71	54	59	70	76	73	72	69	61	72	68	69	69	76	74	77	67	66	63	69	75	76	74	68	68	69	71	71	68	73	64	68.9
Greenville	Maximum	85	80	84	88	88	86	91	86	90	98	91	93	97	97	97	97	96	98	97	97	97	98	98	93	91	94	91	92	92	92	84	87	91.7
	Minimum	69	62	56	70	73	72	70	69	69	71	67	68	67	73	71	72	68	67	60	64	71	72	71	66	66	67	69	67	72	60	55	66.8
Henderson	Maximum	91	86	84	91	89	88	89	89	89	94	97	99	99	100	100	100	94	97	99	99	102	99	100	91	94	100	98	85	87	88	88	93.8
	Minimum	71	55	56	71	72	70	71	67	64	73	69	70	72	74	75	76	70	68	69	72	76	78	76	68	68	69	71	74	69	69	60	68.6
Hopkinsville	Maximum	85	82	83	87	86	87	93	90	88	92	91	96	100	102	100	101	100	98	99	100	98	98	96	96	94	97	92	92	94	82	87	93.3
	Minimum	69	52	54	71	74	73	70	69	62	72	68	69	68	73	72	73	70	69	64	69	73	76	74	68	68	69	71	71	68	73	64	68.9
Lovelaceville	Maximum	93	84	80	93	88	85	93	91	95	95	90	97	99	100	101	99	99	94	100	99	99	99	95	92	95	96	94	98	94	82	87	93.7
	Minimum	69	53	58	72	72	73	70	69	65	70	64	68	72	73	72	73	67	68	64	71	70	76	68	68	65	70	71	68	73	64	62	68.4
Marion	Maximum	89	83	79	89	88	82	90	86	88	92	87	92	95	97	94	97	96	94	97	98	99	96	95	92	96	95	95	95	95	85	85	90.7
	Minimum	69	54	70	78	70	70	69	68	66	70	67	70	74	75	75	76	70	70	74	76	76	78	76	68	68	68	72	70	70	72	64	65	69.5
Mayfield	Maximum	87	88	83	87	87	87	92	89	87	93	96	94	94	98	98	98	94	97	99	99	97	96	98	93	96	96	95	92	96	92	85	90	92.6
	Minimum	70	55	57	71	70	71	69	67	66	68	66	69	72	75	74	74	67	68	67	74	75	76	74	67	68	69	71	74	69	66	62	67.0
Murray	Maximum	83	83	80	88	88	87	92	93	94	95	96	97	99	97	97	97	96	97	99	99	97	95	94	96	95	96	96	96	97	92	84	88.1
	Minimum	69	52	58	71	71	72	68	70	62	67	68	66	68	71	70	72	66	66	66	70	69	75	70	68	68	68	70	70	70	68	64	67.5
Owensboro	Maximum	87	79	80	82	86	82	86	82	86	91	90	88	94	93	94	94	93	93	97	96	95	94	95	94	95	96	96	96	96	94	87	89	93.1
	Minimum	69	56	55	69	71	70	69	67	61	74	67	68	68	73	72	73	69	67	63	66	72	76	71	62	67	67	69	68	73	70	64	67.5
Paducah (near)	Maximum	88	81	80	92	87	84	91	91	94	95	95	95	98	99	101	97	90	98	100	98	98	94	95	96	95	92	98	98	88	89	93.7
	Minimum	71	59	60	72	72	73	71	69	67	67	70	75	77	76	77	78	73	74	75	76	77	78	76	73	73	74	74	74	75	73	68	70.1
Princeton	Maximum	89	80	80	88	85	85	91	91	91	96	98	96	97	99	99	97	93	98	101	100	98	95	96	96	93	94	95	96	97	90	88	85	93.8
	Minimum	68	66	67	71	74	72	70	70	64	72	68	70	71	75	74	75	70	71	66	70	72	76	73	70	68	70	70	70	75	65	62	69.7
Russellville§§	Maximum	81	76	80	82	84	82	87	83	89	93	89	93	94	95	94	93	93	95	91	95	98	...	...	...	...	94	...	60	...	...	...	67.
	Minimum	68	56	55	61	71	73	71	71	71	81	71	67	70	68	74	73	73	68	67	61	66	71	78	72	68	...	...	...	...	...	...	
Central Division.																																	
Anchorage	Maximum	83	83	81	83	85	82	86	82	86	90	87	87	92	95	94	92	91	80	92	94	94	94	90	84	85	87	90	88	84	83	85	87.
	Minimum	70	54	54	68	71	70	68	69	68	69	68	69	70	67	70	72	67	66	62	64	72	70	69	66	66	68	68	68	68	68	66	65.
Bardstown	Maximum	85	80	84	85	88	85	88	85	84	88	91	91	95	98	97	96	90	90	96	96	97	96	95	90	90	92	94	94	94	90	90	90
	Minimum	71	54	58	69	74	71	68	65	60	68	70	66	70	72	75	73	69	63	65	64	73	73	69	62	67	67	72	66	68	67	65	66
Bowling Green	Maximum	84	80	84	84	86	86	88	89	84	88	95	92	91	95	98	98	98	98	98	98	99	98	97	96	96	95	95	100	95	92	88	92
	Minimum	69	55	55	70	73	73	71	70	62	70	69	71	72	70	73	73	72	70	65	66	68	69	68	65	66	68	68	68	68	68	66	67
Dix Dam	Maximum	87	87	81	82	85	85	88	88	90	92	92	94	92	100	99	94	97	95	95	99	98	97	96	95	95	96	96	95	95	92	84	90	92
	Minimum	71	78	57	69	73	70	64	70	66	66	68	66	72	73	75	76	71	65	66	68	76	74	67	63	65	66	73	70	68	68	67	69
Eubank	Maximum	83	81	87	88	85	88	85	87	93	87	93	91	90	93	93	94	90	90	93	91	93	92	94	91	88	90	88	88	87	85	87	88
	Minimum	69	53	50	68	71	71	69	64	56	62	71	66	64	69	69	69	66	64	68	69	69	69	66	66	67	69	69	69	68	66	66	64
Frankfort	Maximum	84	80	84	84	86	86	88	89	84	88	95	92	91	95	98	98	98	98	98	98	98	98	97	95	95	96	96	96	96	94	92	96	94
	Minimum	72	57	52	67	70	70	68	64	60	64	72	66	65	70	71	72	68	62	66	63	70	73	66	57	58	59	70	66	67	58	59	64
Franklin	Maximum	84	84	79	84	85	79	83	86	91	93	94	94	96	97	98	96	97	98	96	92	92	92	98	97	94	89	89	93	93	92	87	87	92
	Minimum	69	57	59	70	74	72	70	72	68	68	70	70	72	76	76	77	74	70	64	70	76	76	73	70	68	68	72	76	76	70	71	69
Greensburg	Maximum	82	80	86	84	84	87	86	87	91	95	93	98	97	98	99	100	96	98	98	101	99	95	96	94	94	98	98	99	97	94	93	96	94
	Minimum	69	65	51	69	71	71	71	64	59	64	69	67	67	71	71	70	68	68	66	64	66	64	66	66	66	66	66	66	66	66	66	66
Irvington	Maximum	84	79	81	86	87	84	87	84	85	91	89	89	93	98	98	94	95	95	98	98	97	96	95	92	92	94	94	94	94	92	92	93	92
	Minimum	71	57	58	70	72	71	72	69	68	74	72	72	75	76	77	76	73	72	69	67	67	66	67	66	66	66	66	66	66	66	66	66
Leitchfield	Maximum	81	76	79	85	85	84	85	87	87	93	90	93	95	96	97	96	93	92	97	98	97	96	98	97	96	98	98	97	97	94	92	93	94
	Minimum	69	55	56	70	73	72	72	70	61	70	68	70	70	76	75	77	69	64	67	76	74	74	66	67	67	67	67	67	67	67	67	67
Lexington	Maximum	78	72	78	76	88	82	83	79	85	89	86	87	91	94	93	92	91	85	96	97	96	96	96	92	92	92	92	92	92	92	92	92	92
	Minimum	61	56	58	67	69	69	62	66	66	68	72	67	72	77	77	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
Louisville	Maximum	87	77	81	87	86	85	86	88	89	91	90	90	96	96	96	94	91	94	97	96	96	96	96	94	94	96	96	96	96	96	96	96	96
	Minimum	65	60	61	70	71	70	68	70	68	74	72	73	73	79	79	78	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
St. John	Maximum	89	79	82	88	87	85	89	88	88	92	90	90	95	95	95	94	93	94	96	96	96	96	96	94	94	96	96	96	96	96	96	96	96
	Minimum	69	59	62	68	73	70	71	69	69	72	68	68	67	69	72	72	72	71	69	69	68	68	68	68	68	68	68	68	68	68	68	68	68
Shelbyville	Maximum	83	77	82	83	86	85	87	86	88	92	90	90	95	95	95	96	95	94	97	96	96	96	96	94	94	96	96	96	96	96	96	96	96
	Minimum	71	55	55	67	73	69	68	64	61	67	71	67	69	74	74	74	71	66	65	67	73	74	70	58	65	71	66	65	66	66	66	66	66
Taylorsville	Maximum	86	76	87	85	86	85	87	84	87	92	89	91	92	94	96	94	92	91	92	96	94	95	91	85	87	90	90	90	90	82	84	88	88
	Minimum	72	57	61	70	73	71	68	69	66	70	64	71	67	72	73	69	68	67	68	71	71	73	68	63	63	63	63	63	63	63	63	63	63
Williamstown	Maximum	88	78	86	86	91	88	87	88	89	94	90	91	96	98	97	97	97	95	100	101	101	98	96	89	93	96	97	98	98	88	88	93	93
	Minimum	71	52	55	66	66	69	67	66	69	64	68	69	64	72	73	74	66	65	64	68	74	74	67	57	66	66	66	66	66	58	55	55	64
Eastern Division.																																	
Ashland	Maximum	76	73	82	77	76	82	81	77	85	86	85	89	93	95	96	93	92	86	91	95	98	95	91	79	84	91	91	92	86	86	86	86
	Minimum	69	61	54	68	70	68	63	59	62	62	57	61	72	72	72	69	63	64	67	73	71	67	59	58	59	72	69	69	55	58	64	64
Beattyville	Maximum	84	77	82	78	88	84	88	81	88	92	90	90	94	97	97	94	93	91	94	97	98	97	95	88	90	88	85	90	91	90	90	92	91
	Minimum	69	58	51	67	71	69	69	62	64	68	68	68	68	68	70	67	68	68	65	59	65	68	69	61	62	61	65	64	57	58	57	57	63
Berea	Maximum	82	76	82	82	87	82	87	82	86	89	87	90	95	97	97	96	94	93	96	96	96	96	96	94	94	96	96	96	96	96	96	96	96
	Minimum	66	55	55	64	72	68	65	61	62	68	71	64	61	73	74	72	68	66	66	64	68	68	67	64	64	64	64	64	64	64	64	64	64
Farmers	Maximum	86	80	...	77	85	85	87	87	89	92	91	91	96	97	97	96	94	94	96	96	96	96	96	94	94	96	96	96	96	96	96	96	96
	Minimum	67	51	...	59	66	69	68	60	57	59	70	67	66	68	68	68	68	68	66	60	63	67	68	67	67	67	67	67	67	67	67	67	67
Harlan§§	Maximum	83	79	79	85	84	88	85	91	89	91	92	92	96	97	97	96	94	94	96	96	96	96	96	94	94	96	96	96	96	96	96	96	96
	Minimum	68	57	55	60	69	70	69	69	68	70	64	68	72	73	72	73	67	68	64	71	70	76	68	68	65	70	71	68	73	64	62	68	68
Maysville	Maximum	82	82	80	86	79	84	88	81	87	89	89	89	93	98	98	94	93	91	92	94	96	94	91	85	87	90	90	90	90	82	84	88	88
	Minimum	78	67	52	65	65	68	68	67	68	68	66	68	70	74	74	71	67	67	61	62	66	70	71	71	68	68	71	71	68	68	67	68	68
Middlesboro	Maximum	96	88	90	75	83	86	91	105	102	92	107	104	97	98	98	96	96	96	96	100	101	101	98	96	96	98	98	98	98	96	96	96	96
	Minimum	66	58	51	67	69	70	67	66	67	67	67	67	67	67	67	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
Mount Sterling	Maximum	84	79	84	83	91	88	89	89	94	95	94	95	97	98	98	97	96	94	96	96	96	96	96	94	94	96	96	96	96	96	96	96	96
	Minimum	69	54	55	56	68	68	68	69	68	59	61	71	69	69	71	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
Pippapass	Maximum	83	83	79	79	86	86	85	85	87	91	88	85	91	92	95	95	95	95	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
	Minimum	67	56	61	59	71	70	69	69	56	57	70	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
Quicksand	Maximum	85	79	82	77	89	83	87	83	87	91	91	90	94	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
	Minimum	66	56	50	59	70	68	68	67	61	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
Richmond	Maximum	87	79	72	80	77	89	93	87	93	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
	Minimum	71	58	58	68	72	68	71	66	63	68	73	66	68	73	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
Williamsburg	Maximum	96	80	88	89	87	88	89	90	92	95	93	92	97	100	99	101	100	95	96	100	101	102	95	94	96	98	98	95	92	90	92	96	96
	Minimum	70	57	53	69	70	69	68	65	66	69	62	69	70	69	67	70	70	70	66	68	68	71	73	68	66	68	66	65	62	62	62	67	67

§§ Incomplete—data read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

‡‡ Incomplete—data for only 1, 2, 3 etc., days missing from record.

V. R.) Corrected 8-23-32-1100

551.05
UNIVERSITY OF ILLINOIS LIBRARY OF THE
OCT 30 1932
UNIVERSITY OF ILLINOIS

DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVII LOUISVILLE, KY., AUGUST, 1932 No. 8

GENERAL SUMMARY.

Irregularity in rainfall caused much variation in the progress of crops, but in most sections the weather was more favorable than otherwise. As a rule the dryness that prevailed when the month opened was relieved by rains that shifted from one section to another during the first two weeks until all districts except the southeastern mountain counties had been reached and normal growing conditions restored. These rains came too late for much early corn and tobacco in the dry belt, which included the central, southeastern, and much of the western section. After this time rainfall was generally sufficient, and occasionally too heavy and frequent in the western counties. Three weeks of dry weather in the northeastern counties followed the excessive rains of the 2d and 3d, which had packed the soil and left it to dry out hard and refractory. This condition became unfavorable for late corn and tobacco toward the end of the month.

Temperatures below normal in the first three weeks retarded late corn, but abnormally warm weather in the last decade brought compensating growth. This part of the crop made fairly good to excellent progress, its condition improving in a general way from the southeastern border toward the Ohio River. The early rains started late tobacco and caused second growth which delayed ripening in much of the early crop. Continued wet weather in some western counties interfered with handling the crop, but in other sections weather conditions were generally favorable for cutting, housing, and curing. Tobacco rust developed in some wet localities, but it did not spread extensively.

The rains of the first two weeks matured excellent crops of soybeans and cowpeas. Alfalfa, field tomatoes, late gardens and late potatoes were also much improved. Pastures largely revived, but did not receive enough rain on the central hills and uplands to completely restore them.

TEMPERATURE.

Average temperatures in the dry southeastern district were considerably above normal, and also at some other stations where the rainfall was light; but lower averages in the wet areas to the north and west brought the State mean temperature nearly down to normal. As a rule the minima occurred in the short cool period from the 18th to 22d and the maxima in the brief warm period at the close. Extremes were 105° at Williamsburg on the 31st and 43° at Farmers on the 22d.

PRECIPITATION.

Precipitation averaged somewhat above normal, but was exceedingly irregular in distribution. Even adjacent districts of limited area, especially in the bluegrass region, showed differences of 5.0 to 7.0 inches. In most of the north-central and western sections from 4.0 to 6.0 inches occurred. The mountain region, south-central counties, and the north-eastern district reported from 1.0 to 3.0 inches. In the southern bluegrass region, a group of several counties with Fayette and Madison as a center received from 6.0 to 10 inches. Mud rate to [illegible] ... [illegible] ... were generally light. [illegible] ... [illegible] ... [illegible] ...

Climatological Data for August, 1932.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																					
Beaver Dam	Ohio	441	28	77.6	+ 1.2	102	31	46	21	41	1.57	−1.74	0.62	0	6	20	2	9	s.		Mrs. Lena F. Taylor.
Calhoun	McLean	437	28	78.0	+ 0.6	97	2†	55	21†	34	5.65	+2.04	1.85	0	11	8	19	4	e.		W. A. Taylor.
Earlington	Hopkins	420	42	78.8	+ 1.7	100	2	50	21	40	3.29	+0.06	1.22	0	9	19	11	1	sw.		Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	3	.....	.....	.....	.....	.....	.....	.....	5.28	.....	0.88	0	11	..	..	..	.....		W. D. Hatcher.
Greenville	Muhlenburg	519	15	76.8	+ 0.1	100	31	49	21	40	3.34	−0.92	0.82	0	9	20	11	0	s.		C. R. Lovell.
Henderson	Henderson	382	18	77.7	.....	100	6	54	20	37	5.90	+3.10	2.00	0	11	22	4	5	e.		Richard Stites
Hopkinsville	Christian	524	36	79.0	+ 1.1	99	31	54	20	36	5.28	+1.84	1.66	0	7	11	12	8	se.		W. B. Graves.
Loyelacoville	Ballard	....	3	73.2	.....	102[a]	2	50[a]	22	38*	6.54	.....	1.78	0	9	19	8	4	e.		Blaine Malone.
Marion	Crittenden	671	34	76.6	− 1.4	98	9†	56	20†	36	3.75	+0.18	2.00	0	4	23	7	1	se.		B. C. Paris.
Mayfield	Graves	364	28	78.8	+ 1.4	100	2	58	21	36	3.75	+0.18	2.00	0	9	8	17	6	s.		Mrs. C. R. Sowell.
Murray	Calloway	412	6	78.3	.....	100	2	49	22	41	5.78	.....	2.27	0	9	18	5	8	s.		Harry S. Arnold
Owensboro	Daviess	479	35	75.0	− 1.3	96	2	54	9	35	2.97	−0.39	1.06	0	9	18	5	8	s.		Henry S. Berry.
Owensboro	Daviess	404	4	.....	.....	.....	.....	.....	.....	.....	2.73	.....	0.93	0	9	..	..	..	.....		George McGlemary.
Owensboro, Dam 46	Daviess	516	15	78.8	−0.04	100	2	53	21	36	7.70	+2.84	2.62	0	7	22	4	5	se.		J. W. Lilley
Paducah (near) §	McCracken	341	43	.....	.....	.....	.....	.....	.....	.....	6.51	+3.05	1.74	0	10	..	..	..	.....		Frank L. Brown.
Paducah	McCracken	525	25	79.4	+ 2.1	102	2	55	22	35	5.15	+1.88	1.46	0	9	14	12	5	n.		Dr. W. L. Cash.
Princeton	Caldwell	384	15	.....	.....	.....	.....	.....	.....	.....	5.41	+1.18	1.52	0	10	..	..	..	.....		Thos. L. Wetzell.
Ramsey, Lock 2 ‡	McLean	590	21	75.8	− 1.9	97	2†	53	20†	32	4.80	+1.81	1.62	0	8	17	7	7	n.		Wm. Shelton.
Russellville	Logan	857	4	.....	.....	.....	.....	.....	.....	.....	5.16	.....	0.95	0	12	..	..	..	.....		Earl Holder.
Uniontown, Dam 49	Union	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		C. L. Moore.
Central Division.																					
Addison, Dam 45	Breckinridge	352	4	.....	.....	.....	.....	.....	.....	.....	4.84	.....	2.10	0	10	..	..	..	.....		C. E. Barret.
Anchorage	Jefferson	700	31	73.2	− 1.5	93	31	50	21	33	4.27	+0.67	1.18	0	8	22	8	1	sw.		Mrs. Emily T. Sisco.
Bardstown	Nelson	687	35	76.7	− 0.3	98	30	51	20	37	3.67	−0.06	1.51	0	9	17	10	4	s.		Mrs. Lillie G Causey.
Bowling Green	Warren	500	43	80.2	+ 1.9	102	31	55	20†	38	2.67	−1.10	0.65	0	6	14	15	4	s.		T. Rone
Bowling Green, No. 2	Warren	459	7	.....	.....	.....	.....	.....	.....	.....	2.61	.....	0.77	0	7	..	..	..	.....		Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	410	15	.....	.....	.....	.....	.....	.....	.....	5.62	+1.52	2.91	0	7	..	..	..	.....		T. A. Lewis
Burnside	Pulaski	773	41	.....	.....	.....	.....	.....	.....	.....	2.70	−1.56	0.91	0	7	..	..	..	.....		Shelby Angel.
Carrollton, Lock 1	Carroll	422	35	.....	.....	.....	.....	.....	.....	.....	7.81	+4.49	5.05	0	4	..	..	..	.....		Reuben Hartley.
Cold Spring, Dam 36	Campbell	489	6	.....	.....	.....	.....	.....	.....	.....	5.80	.....	5.20	0	6	..	..	..	.....		C. W. Williams.
Dix Dam, Burgin	Mercer	770	8	76.6	.....	100	31	50	21	36	5.74	.....	2.03	0	8	11	11	9	sw.		Mrs. Katie Payne.
Eubank	Pulaski	1177	38	74.2	+ 0.4	100	31	50	20	35	8.14	−1.29	0.65	0	9	20	3	8	s.		Sidney Wood.
Frankfort	Franklin	559	40	75.2	+ 0.1	100	31	47	20†	42	3.61	−0.11	1.45	0	6	16	13	2	n.		M. E. Johnson.
Franklin	Simpson	691	37	77.8	+ 1.0	98	2	54	20	34	3.94	+0.46	1.33	0	9	..	..	..	.....		Louis Shiddell.
Gest, Lock 3	Henry	449	21	.....	.....	.....	.....	.....	.....	.....	4.79	+0.77	2.05	0	9	..	..	..	.....		H. W. Sprague.
Grant, Dam 38	Boone	780	7	.....	.....	.....	.....	.....	.....	.....	4.20	.....	3.41	0	7	9	6	16	n.		Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	39	77.0	+ 0.7	100	2†	49	21	43	2.90	−1.22	1.26	0	7	..	..	..	.....		Miss Ruby L. Simpson.
High Bridge, Lock 7	Jessamine	550	30	.....	.....	.....	.....	.....	.....	.....	2.38	−1.67	1.12	0	6	15	9	7	sw.		W. J. Piggott.
Irvington	Breckinridge	645	34	76.2	+ 0.1	96	2	54	21	35	6.12	+2.67	2.67	0	8	..	..	..	.....		John Anderson.
Lancaster	Garrard	1032	6	.....	.....	.....	.....	.....	.....	.....	4.82	.....	1.83	0	6	18	15	3	sw.		H. H. Willis.
Leitchfield	Grayson	635	36	76.9	+ 1.8	98	2	52	21	35	8.67	+1.78	2.40	0	10	18	11	2	e.		U. S. Weather Bureau.
Lexington	Fayette	989	48	75.6	+ 1.1	96	31	55	20	24	8.99	+5.51	8.66	0	8	..	..	..	.....		Horace Canter.
Little Hickman, Lock 8	Jessamine	823	21	.....	.....	.....	.....	.....	.....	.....	6.17	+1.59	2.80	0	6	..	..	..	.....		Frank Litch.
Lockport, Lock 2	Henry	476	22	.....	.....	.....	.....	.....	.....	.....	5.30	+1.22	2.31	0	8	11	11	9	n.		U. S. Weather Bureau.
Louisville	Jefferson	525	59	76.5	− 0.5	96	31	54	20	28	5.2	+1.8	2.20	0	7	..	..	..	.....		A. G. Hubbard.
Maudsville	Hart	600	9	.....	.....	.....	.....	.....	.....	.....	6.77	.....	4.02	0	7	19	8	4	.....		Sisters of Loretto.
St. John	Hardin	777	36	75.6	+ 0.7	97	31	51	21	39	3.51	−0.31	1.76	0	5	..	..	..	.....		Ernest M. Searcy.
Salvisa, Lock 6 ¶	Mercer	490	18	.....	.....	.....	.....	.....	.....	.....	2.25	−1.68	0.80	0	6	15	7	9	s.		Miss Ruth Rettig.
Shelbyville	Shelby	826	43	75.4	+ 0.2	98	31	52	20†	38	3.49	−0.02	2.01	0	9	19	6	6	ne.		E. D. Bourne.
Taylorsville	Spencer	489	30	74.8	+ 0.5	91	29†	50	22	36	4.66	+0.21	0.80	0	8	..	..	..	.....		H. K. Vaughn.
Tyrone, Lock 5 ¶	Anderson	526	14	.....	.....	.....	.....	.....	.....	.....	7.35	+3.58	4.22	0	7	25	3	3	e.		Miss Nettie B. Simpson.
Williamstown	Grant	903	29	76.1	+ 1.9	101	31	49	20	42	5.78	+1.56	4.15	0	8	..	..	..	.....		H. J. Lewis.
Woodbury, Lock 4 ‡	Butler	633	15	.....	.....	.....	.....	.....	.....	.....	5.96	+1.46	3.00	0	8	..	..	..	.....		
Eastern Division.																					
Annville	Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.25	.....	1.08	0	8	14	8	9	sw.		W. A. Worthington.
Ashland	Boyd	534	15	75.8	+ 0.3	99	31	49	21	40	0.51	−3.77	0.25	0	4	20	4	7	w.		Jacob Armbruster.
Beattyville	Lee	550	28	74.4	− 0.7	99	31	50	21	35	3.88	−0.59	1.68	0	12	7	11	13	s.		Robert S. Smallwood.
Berea	Madison	1070	27	75.8	+ 1.4	97	31	52	21	33	4.65	+0.0	2.40	0	8	18	12	1	w.		Chas C. Graham.
College Hill, Lock 11	Madison	601	22	.....	.....	.....	.....	.....	.....	.....	5.36	+1.10	2.50	0	8	..	..	..	.....		Kelly Walden
Cushiana	Harrison	684	14	.....	.....	.....	.....	.....	.....	.....	3.56	−1.09	1.20	0	6	..	..	..	.....		P. H. Kehoe.
Falmouth	Pendleton	690	43	.....	.....	.....	.....	.....	.....	.....	5.51	+1.28	2.84	0	7	..	..	..	.....		T. V. Oldham.
Farmers	Rowan	668	24	74.8	+ 1.0	101*	31	48	22	49*	2.62	−1.89	1.21	0	6	18	6	7	e.		Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	7	.....	.....	.....	.....	.....	.....	.....	2.05	.....	1.35	0	2	..	..	..	.....		C. A. Glascock
Ford, Lock 10 ¶	Clark	593	16	.....	.....	.....	.....	.....	.....	.....	9.02	+4.56	6.18	0	6	..	..	..	.....		John A. Watters.
Grayson	Carter	589	7	.....	.....	.....	.....	.....	.....	.....	0.71	.....	0.43	0	3	..	..	..	.....		Con Frank Powers.
Greenup, Dam 30	Greenup	540	12	.....	.....	.....	.....	.....	.....	.....	2.20	−0.38	1.13	0	8	..	..	..	.....		T. Mitchell.
Harlan	Harlan	1197	4	74.8	.....	96	31	55	24†	30	1.53	.....	0.40	0	7	21	3	7	sw.		W. W. Ruffield.
Hazard	Perry	869	8	.....	.....	.....	.....	.....	.....	.....	2.20	.....	0.63	0	8	..	..	..	.....		Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	664	15	.....	.....	.....	.....	.....	.....	.....	2.00	.....	0.73	0	9	..	..	..	.....		S. C. Cole.
Jenkins	Letcher	1205	7	.....	.....	.....	.....	.....	.....	.....	1.85	−0.17	2.42	0	9	..	..	..	.....		R. R. Davidson.
Louisa	Lawrence	584	28	.....	.....	.....	.....	.....	.....	.....	2.18	.....	0.45	0	6	..	..	..	.....		Russian Copley.
Manchester	Clay	....	12	.....	.....	.....	.....	.....	.....	.....	1.61	−2.22	0.55	0	7	..	..	..	.....		Jennett H. White.
Maysville	Mason	524	35	73.0	− 2.6	98	31	48	21	34	1.54	−2.77	0.64	0	8	..	..	..	.....		Perry E. Bennett
Middlesboro	Bell	1125	36	75.6	+ 1.7	101	4	52	21	38	2.82	−1.29	1.26	0	6	16	13	2	se.		Matthew Woodson
Mount Sterling	Montgomery	960	42	75.8	+ 1.8	102	31	52	19†	40	2.76	−1.51	1.38	0	6	10	21	0	.....		W. R. McKee.
Oneonta, Dam 35 ¶	Campbell	497	5	.....	.....	.....	.....	.....	.....	.....	1.82	−2.22	0.91	0	5	24	5	2	w.		Otta Biddle.
Pikeville	Pike	636	26	.....	.....	.....	.....	.....	.....	.....	5.49	+0.80	4.58	0	6	..	..	..	.....		Robert Repass
Pippapass	Knott	1035	.....	.....	.....	103*	31	.....	.....	.....	1.71	−2.86	0.93	0	7	..	..	..	.....		E. W. Summerfield.
Prestonsburg	Floyd	640	7	.....	.....	.....	.....	.....	.....	.....	1.83	.....	0.73	0	7	21	4	6	.....		F. C. Hall.
Quicksand	Breathitt	702	6	75.2	.....	102	31	48	21	39	2.70	.....	0.79	0	7	..	..	..	.....		R. W. James.
Rowenas, Lock 12	Estill	671	14	.....	.....	.....	.....	.....	.....	.....	7.58	+3.03	3.60	0	8	..	..	..	.....		Walter P. Bush.
Richmond	Madison	926	41	74.0	− 0.9	94	31	54	20†	22	9.75	+6.19	6.17	0	7	23	1	7	.....		I. W. Crooke.
Tanner	Madison	541	19	.....	.....	.....	.....	.....	.....	.....	8.65	+4.54	4.50	0	7	..	..	..	.....		Thos. Sullivan.
Vassy View, Lock 9	Madison	541	19	.....	.....	.....	.....	.....	.....	.....	2.19	−1.84	0.94	0	6	..	..	..	.....		H. M. Fannin.
Vanceburg, Dam 32	Lewis	525	17	.....	.....	.....	.....	.....	.....	.....	1.14	.....	0.58	0	6	..	..	..	.....		G. H. Zimmerman.
Whitesburg	Letcher	1142	7	.....	.....	.....	.....	.....	.....	.....	1.87	−2.81	0.42	0	7	22	5	4	.....		H. P. Davis.
Williamsburg	Whitley	1009	35	78.5	+ 2.5	103	31	56	19†	39	6.21	+2.97	3.40	0	9	..	..	..	.....		Cleveland Angel
Willow, Lock 13	Lee	611	13	.....	.....	.....	.....	.....	.....	.....	4.25	+0.52	3.06	0	7	17	9	5	s.		
State averages and extremes				76.5	+ 0.9	103	31	43	22	49											

All temperature data are taken from self-registering thermometers.

Two decimals of mean temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters a, e, s, etc., appearing in the table indicate number of days missing; for example, s represents two days, etc. §Lone Oak.

Reference letters †, *, etc., appearing in the table indicate number of days missing; for example, s represents two days, etc. T Precipitation is less than 0.01 inch; rain or melted snow

* Also on other days. †† Omitted too late to be included in means and summaries

¶ Post office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8 Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

Oneonta, California, Ky.

MISCELLANEOUS.

Aug. 2 Excessive rainfall of more than eight inches over Fayette County and most of [illegible] were drowned on Hickman Creek, Jessamine County. An empty silo near the site o[illegible] this downpour, which acted as a huge raingage, contained nine inches of water alt[illegible] Lexington, Ky., reported damage estimated at $1,000,000. Basements in Lexington were filled with [illegible] the rain. About 200 families of Lexington were driven from their homes. Three bar[illegible] and Versailles [illegible] were destroyed by lightning, with a loss estimated at $50,000. At Lexington rain fe[illegible] at about 2.0 to 2.40 inches per hour, from 4.47 to 8.45 in 30 [illegible]

Daily Precipitation for August, 1932.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam			.15								.85	.20	.15					.62													
Calhoun	T.		.92			T.	.50			T.	.70	.15	.10			.04	1.85	.02									.10				
Earlington			.12							.16	.53	.57	1.22				.10														
Fords Ferry, Dam 50	T.		.10							.21		.76	.88	.80		.12	.03	.26								.01	1.15	.50				
Greenville			.82							.13	.30	.70	.35	.13		.09	T	.41								T.		.20				
Henderson			.47							.10	1.00	.05	.20			.24	2.00	.20									3	.22	.06				
Hopkinsville			.07							.14		.61	1.10	1.66				.04										.84				
Jamestown		1.63							.87		1.06	.07	.45					.26								1.78	.13		.25			
Mayfield		2.							.22			.85	1.85		.35	1.10		.15									.60					
Murray		.85																.10									.70					
Owensboro		.03							2.27		.05	.14	.11	T.	1.02	T.	1.10										2.00					
Owensboro, Dam 46	T.	T.	.08								1.05	.02	.03	.05					.15	.55					T		1.05	T.	.03		.04	
Padducah (near)			.03								.93	.04	.05	.01		T		.58									.43		.11			
Padducah			.60							2.35		2.62	.85			.11	.12										1.05					
Princeton			.78							1.74		.48	1.42	.48		.32	.06	.13									1.60					
Rumsey, Lock No. 2		.69	T.						.95			.68	1.45	.20	.14	.17	.14										1.60		.12			
Russellville			.20				.66				.25	.48	.26				1.8	.40								T.	1.30					
Uniontown, Dam 49			.14							.01		1.62	.62	1.11			.58	.62									.72	.56	.07			
Central Division			.31				.03				.15	.74	.95	.41			.63	.25										.50				
Addison, Dam 45																																
		.07	.47								2.10	1.10	T.					.27	T.								.80	.32	.03	.02	T.	.07
Anchorage		.84	1.18			.05					.21	.31					.55										.25	.01		1.01		
Bardstown		.06	.26			.02					.40	.60						.40										.05				
Bowling Green			.42							T		.85	.13	.12			.07										.23	.01		1.03		
Bowling Green, No. 2			.44							.05		.77	.29	T.		T.	.02	.57										.05				
Brownsville, Lock No. 6			.20								.13	.53	.12	.19	T.			2.91										.47				
Burnside		.15		.06							.22	.34		T.	.91	T.	T.	.85	.28									.54				
Carrollton (Lock No. 1)		1.34	3.05								.61																	T.				
Cold Spring, Dam 36			.07	.20			.10	T.			.16	T.														.41						
Dix Dam, Burgin	2.03	1.86									.32	1.04				.05		.20	.14								T.	.21		.06		
Eubank			.20									.49				.52	.05		.57	.58	.37						.01					
Frankfort		.62	1.45								.21	.05				.08		.10	T.										T.	.11		
Franklin											.44																					
Gest, Lock No. 3		1.40	2.05									.01		.84			1.48	.15									.15					
Grant, Dam 38		.20	.31			.14	T.				.14			.02				.45									.20	.02		.20		
Greensburg		.11	.37								.07							.10	.04								.03	.18		.08		
High Bridge, Lock No. 7		.02	1.12								1.20	.88		.01				.01										.15				
Irvington	T.	.16	T.								.11	.40						.60										.05		.04		
Jeffersontown		1.83	1.10							.35	2.67		T.		T.	T.	T.	2.42	T.								T.	.17				
Leitchfield			.27							.26	.56	.53		.06			.10	.05														
Lexington	.02	.04	.01			T.				2.25	.25						2.43	.48								.07					
Little Hickman, Lock No. 8		2.80	1.50							.40	.16	.18					.02	.01								.01		.10	T.	T.		
Lockport, Lock No. 2		1.34	2.31								.20	1.45	T.		.66			.05	.06								.05					
Louisville	.05	2.20	T.		.27	T.				.11	.39	.49	T.				.72	.41								.51					
Munfordville		T.	.78								.70	.30		T.				4.02	.40								.10					
St. John		.0									.05	1.76		.05				.60									.12	.01				
Salvisa, Lock No 6		.80	.75			T					.40	.15					T.										.10					
Shelbyville		.6	2.01								.31	.40				T												.02		.10		
Swansville	T.	.89	.73			.34				.01	.42	.30			T.		.72															
Tyrone, Lock No. 5		4.22	1.20								.22	.20						.15									.51		.13			
Williamstown		1.09	4.15				.05				.02																	1.10		.20	.04		
Woodbury, Lock No. 4	T.	T.	.20							T.	.11	.94	.04	3.00			.09	1.38										.25			.04		
Eastern Division																																
Annville		.80	.01	.07							.25		.01			.02		1.08	.04													
Ashland		.01	.28	.21							.01																					
Beattyville		1.55	.89	.05							.17	.4	.07		.05	.05	.01	.19	.28													
Berea		.2								.50	.70	.15					.17	.31								.80	.66					
Bingham Hill, Lock No. 11		1.20	1.04								.70	.80				.10		.24										.10	T.	.02			
Catlettsburg		.50	.60								.28							.04								T.						
Dalmouth		1.60	2.68					.01			.84	.01						.62									T.	.05		.27		
Farmers	.49	.81									.30							.07	.31											.51		
Flemingsburg			1.35								.72																					
Ford, Lock No. 10	T.	6.18	1.26	T.																												
Frenchburg		.43	.16	.12						1.27	.10				T.			.20	.01								T.					
Greenup, Dam 30		.05	.15		.01						.30	.15				.03		.6														
Harlan		.35	.2									.01					.15	.40	.20			.13					.2					
Hazard		.45	.2								.20				.04	.12	.03	.32	.10													
Hendricks, Lock No. 14		2.12	1.02	.14							.28	.28	.12		T.	T.	.03	.15									.03	T.				
Jenkins		.45	.30								.48						.12	.44														
Jonesville		.55	.07	.30								.09	T.					.81	.09								.34					
Manchester	.11	.35	.05	.04													.21	.37	.04								.20					
Maysville		.02	1.20	1.02											.03			.31	.09													
Nicholasville																		.16									.54					
Mount Sterling		.91	.47				.31				.12				.04			.7				.24					.20					
Nevada, Dam 35		.02	4.56			T.				.22								.08								T.		.14				
Neville		.05	.15	T.						.02	.0							.2								T.	.12	T.				
Tygarts	.73	.40								.15	T.					T.		.15	.88									T.				
Owensburg		.18	.28	.15			.09				.11	.02					.03	T.	.59													
Quicksand	.55		.79							T.	.06						.06	.08														
Ravenna, Lock No. 12		2.00	3.60	T.		T.					.44						.28	.11								.31		.27				
Richmond		6.17	1.44							.43	.02	T.		.10	T.	T.	.25									.15		.57				
Valley View, Lock No. 9		4.70	1.50								.06			.08		.35	.75											.50				
Versailles, Dam No. 32		.41	.04							.70	1.80						.26									.05		.02				
Owensburg		.53	T.		.07		.07			.35	.02						.48									.30						
Williamsburg			.16									.22	.3		.25		.16	.47	.4													
Willow, Lock No. 13	3.40	1.20									.48	.85	.05				.2	.25								.07		.05				

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Pearl, station included in the next following mean measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

(2) Tennessee; (3) Ohio; (5) Mississippi. River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland.

*Long Oak

Rivers.—The excessive rains of the 24 caused a sharp rise in the middle section of the Ohio on the 25th. Accelerated rainfall, ended at noon of the 25th, resulted in the Ohio at the Kentucky River to crests of 25.8 feet at High Bridge on the 26th and 24.5 feet at Frankfort on the 26th.

Daily Temperatures for August, 1932.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	91	100	99	91	94	97	88	93	96	98	93	91	81	86	92	92	96	89	81	80	84	90	93	94	87	88	94	99	99	100	102	92.4
	Minimum	66	68	70	60	61	60	67	65	65	68	67	70	70	66	65	68	71	70	54	49	46	49	54	60	62	70	65	68	70	70	68	63.3
Calhoun	Maximum	89	97	91	92	94	97	88	90	93	97	90	91	78	86	91	90	91	85	70	80	84	88	94	89	85	81	90	92	93	95	97	89.2
	Minimum	67	78	72	65	65	65	66	61	59	69	68	72	70	69	67	71	72	71	57	56	55	55	60	65	64	64	64	69	68	73	72	66.1
Earlington	Maximum	94	100	92	93	96	93	92	92	96	97	93	95	84	89	91	91	92	86	80	83	80	91	93	93	88	83	92	96	97	97	99	91.5
	Minimum	68	78	72	62	62	62	66	66	68	68	69	71	71	68	69	69	72	69	57	62	59	60	61	57	64	68	70	69	74	75	70	65.7
Greenville	Maximum	92	96	90	96	92	94	90	88	93	94	91	90	86	88	89	89	97	85	77	80	85	90	91	93	90	85	90	94	94	93	100	90.5
	Minimum	65	73	70	68	61	62	68	67	66	67	67	69	70	68	66	69	72	69	55	62	49	50	55	62	61	67	65	66	69	69	68	63.4
Henderson	Maximum	80	99	96	92	96	100	89	98	96	96	89	91	77	90	92	89	91	85	71	80	88	89	95	91	87	84	90	71	92	95	97	89.6
	Minimum	67	74	72	63	65	66	64	60	65	66	69	74	68	67	68	71	71	71	55	54	56	58	60	66	66	67	69	69	72	73	73	66.1
Hopkinsville	Maximum	96	98	93	96	96	97	92	90	98	96	95	96	85	90	96	94	97	89	74	80	84	91	93	92	88	86	95	95	97	97	...	*91.4
	Minimum	66	70	70	65	65	63	66	66	69	70	67	71	72	70	66	68	72	72	69	68	64	55	65	61	60	64	68	66	71	71	72	70. 66.5
Lovelaceville	Maximum	96	102	88	89	93	96	92	91	93	95	94	89	83	91	88	93	94	87	80	79	84	88	92	92	86	95	95	95	97	97	...	*93.
	Minimum	63	71	71	64	62	64	66	59	67	66	71	70	69	69	72	71	71	71	65	53	53	50	57	62	66	70	69	71	70	70	...	65.
Marion	Maximum	88	84	84	90	81	83	88	90	93	91	91	86	89	85	86	88	90	81	76	77	82	85	90	87	85	80	87	87	90	81	93	85.
	Minimum	72	70	62	64	71	70	65	65	64	67	69	68	69	66	72	70	69	70	67	56	56	59	66	69	67	67	69	70	73	74	77	67.
Mayfield	Maximum	98	100	87	87	92	97	91	91	95	96	96	91	87	90	89	91	96	90	74	80	86	87	90	94	90	92	93	93	98	94	96	91.
	Minimum	61	75	70	63	64	66	64	64	70	71	72	68	69	72	72	71	70	66	54	53	55	56	66	67	68	69	70	73	74	76	76	66.
Murray	Maximum	97	100	93	94	93	94	89	90	95	93	90	86	85	90	87	90	94	86	78	80	86	89	93	93	91	83	93	93	95	96	98	90.
	Minimum	69	73	70	68	61	60	66	58	54	66	72	75	70	72	72	73	72	61	55	51	45	55	61	64	68	68	68	68	70	69	67	65.
Nebo	Maximum	83	96	88	88	88	93	90	87	89	93	90	85	79	84	86	86	89	80	73	74	78	80	86	86	88	86	89	86	89	91	91	86.
	Minimum	64	71	71	64	63	62	60	56	54	65	66	70	70	69	65	64	63	60	57	55	51	52	56	56	59	61	62	62	67	66	68	63.
Owensboro	Maximum	94	100	86	88	91	95	89	89	95	95	94	90	81	92	90	94	95	88	80	83	88	90	91	90	92	86	94	95	95	95	97	90.
	Minimum	68	75	72	64	63	68	67	64	60	65	68	73	69	69	69	72	72	72	71	56	54	53	54	58	65	67	68	70	72	74	73	67.
Paducah (near)	Maximum	94	100	88	91	93	96	90	92	95	95	95	91	83	90	90	93	95	88	81	83	88	90	92	92	88	88	93	94	96	96	98	91.
	Minimum	68	75	72	64	63	68	67	64	60	65	68	73	69	69	69	72	72	72	71	56	54	53	54	58	65	67	68	70	72	74	73	67.
Princeton	Maximum	92	102	91	93	96	100	90	92	95	95	97	91	80	90	87	91	92	85	81	82	85	90	92	92	88	90	93	93	96	97	98	91.
	Minimum	71	77	70	66	66	66	66	69	69	67	70	73	69	67	71	72	72	71	57	55	55	60	66	68	66	68	69	70	72	73	74	68.
Russellville§§	Maximum	94	97	88	89	92	97	83	89	94	94	93	85	88	93	88	90	94	86	78	73	74	85	89	89	82	76	88	92	93	94	97	87.
	Minimum	69	69	70	62	63	60	66	59	67	69	70	69	72	65	69	70	69	68	57	53	53	54	59	64	64	71	66	69	61	71	70	64.
Central Division.																																	
Anchorage	Maximum	76	86	84	82	85	88	80	83	85	91	81	83	79	84	86	88	85	79	74	77	81	84	87	89	87	79	84	86	89	90	93	84.
	Minimum	60	68	68	60	60	60	65	66	66	66	67	65	67	68	67	67	67	63	51	56	51	56	61	59	61	68	68	68	67	68	69	62.
Bardstown	Maximum	91	95	90	89	90	94	85	86	93	96	86	85	82	85	89	91	88	84	79	82	87	90	93	91	93	84	88	93	96	98	97	89.
	Minimum	63	71	72	64	62	61	66	59	56	64	67	70	68	64	69	70	69	70	54	47	47	50	52	57	58	65	65	68	67	68	69	64.
Bowling Green	Maximum	96	100	93	95	97	100	89	93	97	99	95	91	89	87	94	94	95	88	84	86	88	94	95	92	88	83	92	97	98	98	100	93.
	Minimum	68	75	71	66	67	65	69	63	69	70	70	71	73	67	68	71	72	70	59	58	56	60	63	67	67	67	67	67	67	67	72	67.
Dix Dam	Maximum	82	84	83	86	94	93	92	93	91	89	84	85	85	86	90	94	83	84	81	80	86	90	93	92	88	83	93	94	98	98	100	88.
	Minimum	64	70	74	64	62	60	61	60	58	69	68	70	67	60	74	70	70	72	57	54	50	54	57	59	58	70	62	70	70	76	76	66.
Eubank	Maximum	89	90	85	87	87	90	85	87	87	89	83	84	84	81	88	88	78	82	78	80	85	86	90	87	85	80	85	90	94	94	96	85.
	Minimum	64	72	72	63	60	58	59	67	64	66	66	65	66	61	69	68	68	67	60	60	55	56	56	56	57	65	61	65	63	66	66	62.
Frankfort	Maximum	81	85	87	87	90	95	88	88	90	93	87	85	84	87	90	91	86	90	74	77	87	90	92	87	88	85	89	88	97	98	100	89.
	Minimum	62	68	68	63	60	60	66	66	66	65	63	67	69	66	65	65	66	66	56	47	47	50	52	57	58	65	63	67	67	67	67	62.
Franklin	Maximum	88	96	97	90	92	95	85	87	95	94	91	89	86	87	89	91	88	82	78	80	82	87	91	92	88	83	93	96	98	100	100	90.
	Minimum	68	72	68	66	64	68	63	61	70	71	70	72	67	68	71	71	68	69	54	55	58	63	67	67	67	67	67	70	72	72	71	67.
Greensburg	Maximum	89	100	93	91	95	97	92	92	98	98	93	89	82	91	94	91	91	88	79	81	85	90	92	92	88	83	93	96	98	98	100	93.
	Minimum	63	74	71	61	61	60	63	59	66	67	68	65	69	66	68	68	66	66	59	59	55	57	58	60	68	68	67	67	67	67	68	65.
Irvington	Maximum	89	96	88	89	91	94	85	87	91	94	87	87	79	82	87	88	85	82	77	76	82	87	91	90	85	79	87	92	93	95	97	89.
	Minimum	69	70	72	66	67	68	66	66	69	69	69	70	69	66	66	70	68	70	57	56	55	58	62	64	65	70	67	71	72	73	73	67.
Leitchfield	Maximum	87	98	89	90	93	97	88	88	93	95	84	87	79	84	87	89	87	82	76	78	82	87	91	90	88	83	92	96	98	98	98	90.
	Minimum	68	75	71	64	65	64	68	60	58	70	68	70	70	67	68	70	70	66	55	55	53	57	61	64	65	70	67	71	74	76	76	67.
Lexington	Maximum	77	78	84	83	85	88	79	82	87	86	81	82	80	85	85	88	82	83	77	82	86	90	90	90	86	82	89	90	92	93	94	86.
	Minimum	64	68	71	67	66	70	68	65	70	70	64	68	65	61	70	71	69	65	55	56	53	56	62	64	66	68	67	70	72	77	77	67.
Louisville	Maximum	76	80	84	87	88	90	85	88	92	92	84	88	85	85	89	88	85	88	86	81	76	79	84	87	90	89	89	89	92	94	96	87.
	Minimum	69	70	70	69	67	67	68	66	68	71	68	70	69	66	67	71	70	64	57	54	50	52	56	62	64	69	68	69	72	76	76	68.
Mt. John	Maximum	78	95	92	90	93	95	86	91	93	97	84	86	80	80	83	86	84	77	79	83	86	86	89	91	92	88	88	89	90	94	96	87.
	Minimum	66	71	70	62	62	60	65	66	66	64	68	66	67	68	63	66	69	61	60	59	55	54	59	61	62	66	64	67	68	68	68	64.
Shelbyville	Maximum	77	85	86	85	89	92	83	86	91	93	82	84	80	84	86	87	84	83	77	82	86	90	90	90	86	82	89	90	92	93	95	86.
	Minimum	66	69	70	64	68	62	66	61	58	65	66	68	66	69	66	70	68	70	54	52	52	56	60	64	62	68	65	68	70	71	72	66.
Taylorsville	Maximum	77	89	86	85	85	88	82	85	87	90	83	82	87	82	85	87	89	82	84	78	82	86	89	88	87	80	86	88	90	90	91	86.
	Minimum	65	70	71	70	61	60	67	66	65	65	62	70	68	63	66	70	71	62	55	50	50	56	60	64	65	68	66	68	70	67	68	64.
Williamstown	Maximum	82	79	90	91	92	94	86	91	92	89	88	85	91	91	94	96	91	86	80	81	86	88	91	92	88	84	85	92	99	99	101	91.
	Minimum	60	66	68	63	61	61	64	69	69	63	66	66	61	55	63	67	67	65	59	49	50	51	56	58	63	67	66	68	68	70	71	62.
Eastern Division.																																	
Ashland	Maximum	85	76	81	84	90	90	87	87	89	91	89	84	81	87	90	90	91	92	90	90	91	90	90	90	89	92	92	92	98	98	98	89.
	Minimum	57	70	72	70	62	62	64	62	68	63	70	70	64	64	66	68	68	73	58	60	58	59	58	54	59	62	65	67	69	69	69	65.
Beattyville	Maximum	82	83	86	76	89	92	85	86	89	89	87	86	84	84	86	88	84	86	84	84	86	90	90	88	86	86	88	90	90	95	96	87.
	Minimum	58	70	70	64	64	62	62	63	59	62	67	68	64	64	64	68	68	64	54	54	51	52	58	56	58	63	62	65	65	66	66	62.
Berea	Maximum	80	82	85	87	88	90	86	83	87	90	86	87	86	86	90	90	90	90	88	88	89	92	92	92	88	88	91	92	96	96	98	90.
	Minimum	65	72	64	66	62	63	65	61	60	70	67	67	66	66	70	70	68	66	53	52	52	52	56	58	61	64	64	71	72	66	70	65.
Farmers	Maximum	79	81	85	88	91	92	...	91	90	91	90	85	87	90	89	89	89	89	89	89	89	92	95	93	88	87	89	91	93	93	95	90.
	Minimum	56	67	69	63	57	57	...	59	61	59	67	67	69	69	68	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	67.
Harlan§§	Maximum	81	84	86	86	88	84	90	90	88	85	86	88	85	84	84	77	86	88	85	84	84	86	86	85	86	87	88	91	94	94	94	87.
	Minimum	66	66	70	70	66	66	62	66	65	67	66	68	66	69	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66.
Maysville	Maximum	78	76	85	82	88	91	85	86	87	90	88	85	84	90	86	86	88	86	84	84	86	88	90	90	88	86	88	90	92	92	92	87.
	Minimum	58	69	70	68	56	60	64	59	56	60	69	67	69	67	68	67	68	67	66	66	66	66	66	66	66	66	66	66	66	66	66	65.
Middlesboro	Maximum	87	87	92	101	89	88	91	91	93	89	90	87	92	89	87	79	93	89	87	89	90	91	91	91	88	87	89	91	94	94	94	91.
	Minimum	56	70	69	68	64	68	66	64	57	57	64	65	59	60	66	66	66	67	64	58	58	58	61	58	60	59	56	60	61	62	64	62.
Mount Sterling	Maximum	86	85	85	88	86	90	91	90	89	89	94	90	84	84	89	90	92	91	87	86	87	90	93	93	94	92	94	96	97	97	98	91.
	Minimum	61	67	69	68	59	58	63	58	54	54	66	67	63	57	65	65	65	66	62	55	53	54	55	59	62	60	57	59	61	67	69	62.
Pippapass	Maximum	85	86	90	88	92	...	91	87	91	92	88	85	87	90	...	85	84	88	84	82	84	87	90	92	90	87	90	92	94	96	97	89.
	Minimum	64	74	73	70	69	...	71	67	68	69	72	70	68	70	...	68	70	70	70	68	68	70	71	72	70	69	72	71	72	75	74	70.
Quicksand	Maximum	88	82	88	89	91	91	90	91	90	91	90	86	86	90	92	92	92	88	86	86	86	88	92	92	90	88	90	92	94	96	96	90.
	Minimum	56	70	69	67	61	64	68	63	58	59	67	62	68	64	65	64	63	64	57	56	58	58	58	58	61	61	61	61	62	64	66	62.
Richmond	Maximum	84	75	80	83	85	92	82	81	83	86	86	81	75	81	83	86	87	83	80	73	76	80	81	85	85	87	89	91	92	94	96	85.
	Minimum	66	66	72	65	65	66	68	64	62	71	68	71	67	67	70	71	69	70	57	54	53	54	56	58	62	61	61	64	65	67	69	64.
Williamsburg	Maximum	96	96	91	96	93	95	93	95	98	93	88	86	86	91	95	93	94	89	86	86	88	91	95	95	91	92	95	98	100	100	103	93.
	Minimum	69	70	73	67	67	65	69	69	64	64	70	66	65	64	68	68	67	69	60	56	61	60	61	66	66	64	64	66	67	67	69	66.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* Three, four and five days missing, respectively 1, 2, 3 etc., days missing from record.

W B O La Grille 9-23-32 1150

551.05
UNKE

U. S DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

Vol. XXXVII LOUISVILLE, KY., SEPTEMBER, 1932 No. 9

GENERAL SUMMARY.

The weather varied from moist in extreme western districts to conditions approaching drought in the southeastern mountain valleys. In most central and eastern sections the rainfall was sufficient to mature late corn and tobacco, but failed at times to meet the needs of other crops. Heavy and frequent rains in the western counties during the first two weeks interfered with cutting and housing tobacco. High humidity at this time, and again near the end of the month, hindered curing and caused some sweating in barns; but the damp periods were brief and caused only slight damage. In most of the State weather favorable for saving the tobacco crop predominated during the first three weeks. Subnormal temperature, cloudiness and frequent showers in the last decade delayed the growth and ripening of the late crop. Considerable late tobacco remained out at the end of the month, partly on account of this unfavorable weather.

Except for a few cool days, temperatures above normal and numerous sunshine in the first half matured most late corn. The remnant of the crop that was recarded by the coolness and cloudiness of the last half was relatively unimportant. Early corn dried so rapidly that cutting made more than seasonal advancement. Considerable gathering of shocked corn was noted before the close of the month. In the southeastern counties the late crop was seriously damaged by dry weather. Prior to the 20th the weather favored the saving of late hay in excellent condition. Except for some late lespedeza and alfalfa most of this work was completed in that period.

In the moist western section pastures and late meadows grew fairly well, but their condition declined eastward with the lessening rainfall. The rains late in the month caused improvement in both. But low temperature did not favor growth. These rains made possible fall plowing in most of the State and except in eastern districts, furnished sufficient moisture for germination.

TEMPERATURE.

About ten days of decidedly warm weather in the first half of the month raised the average nearly to normal, despite the subnormal temperatures of the other two decades. The period 8th-17th was especially warm, with maxima of 100 reported from several central and eastern stations. Heavier rainfall lowered the temperature in the western counties. The extremes were 105 at several stations on the 1st and 3rd at Farmers on the 17th.

PRECIPITATION.

Precipitation averaged considerably above normal, but varied to an extraordinary degree. The driest districts received less than one-fourth as much as the wettest. In the western counties and the northern bluegrass region the rainfall ranged between 5.0 and 10.0 inches, and the mountain district from 1.0 to 2.5 inches. Over the State the range was between 0.50 inch at Wilson, in the upper Kentucky Valley, and 10.11 inches at [illegible]

PRECIPITATION AND WIND.

Stations	Precipitation: Total for the month	Departure from normal	Greatest in 24 hours	Date	Total snowfall	Number of days with .01 inch or more	Wind: Prevailing direction	Wind: Total movement	Wind: Highest velocity	Wind: Date
Corbin	10.15	30.27	2.56	6		7	4	2	40	1
Cynthiana	4.60	3.2	1.00	6		5	7	5	36	3
Greensburg	1.61	2.7	0.45	17		4	7	5	36	1
Lexington	3.1	30.10	30.22	17	0.4	2	7	5	36	1
Louisville	3.1	30.09	30.2	17	29.72	3	7	5	36	2

HUMIDITY AND SUNSHINE.

Stations	7 a. m.	Noon	7 p. m.	Total hours of sunshine	No. of hours of possible	Percentage of possible	Sunshine: No. of days entirely cloudy	Sunshine: No. of days entirely clear
Cairo, Ill.	86	55	71	271	373.4	73	10	1
Cincinnati, Ohio	84	54	68	246	373.1	66	10	1
Evansville, Ind.	86	50	68	236	372.9	63	10	1
Lexington, Ky.	78	48	67	231	372	62	10	0
Louisville, Ky.	84	49	67	243	372	65	10	1

COMPARATIVE DATA FOR SEPTEMBER.

Year	Average temperature	Departure from normal	Highest	Lowest	Monthly average	Precipitation: Departure from normal	Precipitation: No. of days with .01 inch or more	Average Number of Days: Clear	Average Number of Days: Partly Cloudy	Average Number of Days: Cloudy
Mean	73.1	.....	110	34	2.86	.....	7	10	7	13
1931										
1930										
1929			97							
1928										
1927										
1926										
1925										
1924										
1923										
1922										
1921										
1920										
1919										
1918										
1917										
1916										
1915										
1914										
1913										
1912										
1911										
1910										
1909										
1908										
1907										
1906										
1905										
1904										
1903										
1902										
1901										
1900										
1899										
1898										
1897										
1896										
1895										
1894										
1893										
1892										
1891										
1890										

Climatological Data for September, 1933.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days:					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	28	71.3	+ 0.4	96	1	42	8	38	5.91	+2.23	0.86	0	10	15	2	9	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	28	70.3	− 1.7	92	1	45	29	33	4.10	+1.32	1.64	0	9	13	10	7	sw.	W. A. Taylor.
Earlington	Hopkins	429	42	70.2	− 1.2	94	1	42	30	39	4.67	+1.79	1.40	0	10	19	3	8	n.	Brick Southworth.
Fordsville	Ohio	386	3								6.85		2.78	0	9					W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	315	15	69.0	− 2.0	93	1	42	29†	35†	3.28	+0.47	1.10	0	8	17	13	0	s.	C. R. Lovell.
Greenville	Muhlenburg	540	18	70.8		98	1	46	28	34	8.79	+6.60	4.10	0	6	21	4	5	n.	Richard Stites
Henderson	Henderson	382	18	70.8		98	1	46	28	38	3.78	+0.63	1.21	0	7	10	7	13	se.	W. E. Graves.
Hopkinsville	Christian	544	36	71.1	− 1.0	93	1†	42	29	38	3.78	+0.63	1.21	0	8	20	2	8	s.	Elaine Malone.
Madisonville	Hopkins		5	70.2		94	18	44	29†	42	7.72		3.09	0	8	15	8	7	w.	B. C. Paris.
Lovelaceville	Ballard			68.2	− 4.2	93	2	48	24	24	6.00	+3.07	2.67	0	4	21	4	5	ne.	Mrs. C. R. Sowell.
Marion	Crittenden	571	34	71.2	− 0.8	95†	18	46†	29†	41†	6.98	+3.98	4.00	0	8	8	16	6	s.	Harry B. Arnold
Mayfield	Graves	364	28	71.2	− 0.8	95†	18	46†	29†	39	4.55		1.37	0	8	8	16	6	s.	Henry S. Berry.
Murray	Calloway	412	6	69.8		94	1	42	29†	39	4.82	+1.89	1.09	0	11	16	8	6	s.	George McClemary.
Owensboro	Daviess	479	35	68.5	− 2.0	89	1†	43	29	31	4.48		0.74	0	10					J. W. Lilley
Owensboro, Dam 45	Daviess	404	4								7.77	+4.51	5.57	0	6	17	8	5	ne.	Frank L. Brown.
Paducah (near)	McCracken	316	15	70.8	− 2.2	94	18	44	30	34	7.47	+4.48	2.75	0	8					Dr. W. L. Cash.
Paducah	McCracken	341	48								6.74	−3.76	2.44	0	9	16	5	9	n.	Thos. L. Wetzell.
Princeton	Caldwell	526	25	70.7	− 0.8	92	18	45	29	34	3.76	+0.87	1.03	0	9					Wm. Shelton.
Ransey, Lock 2	McLean	394	15								2.72	0.11	0.68	0	9	16	6	8	s.	Earl Holder.
Russellville	Logan	590	21	69.2	− 2.7	93	2	42	29	33	10.16		4.00	0	8					
Uniontown, Dam 49	Union	357	4																	
Central Division.																				
Addison, Dam 45	Breckinridge	352	4								3.41		0.70	0	11					C. L. Moore.
Anchorage	Jefferson	709	33	66.3	− 2.5	95	1	42	29†	41	8.70	+0.99	1.41	0	8	19	6	5	se.	C. E. Barret.
Bardstown	Nelson	687	35	70.1	− 1.4	100	1	39	30	47	3.19	+0.34	1.52	0	11	16	8	6	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	560	48	72.6	+ 0.4	95	1	45	29†	42	3.58	+0.31	1.58	0	10	10	11	9	w.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	469	7								2.27		0.70	0	10					T. Rone
Brownsville, Lock 6	Edmonson	410	15								2.42	−1.26	0.49	0	10					Virgil M. Whalin.
Burnside	Pulaski	771	41								4.27	+0.73	1.41	0	7					T. A. Lewis
Carrollton	Carroll	422	38								3.87	+0.93	1.25	0	4					Shelby Angel.
Cold Spring, Dam 36	Campbell	189	6								4.23		1.12	0	10					Reuben Hartley.
Dix Dam, Burgin	Mercer	770	8	70.9		102	1	42	30	48	8.07		0.86	0	16	12	13	5	sw.	C. W. Williams.
Eubank	Pulaski	1177	38	67.8	− 0.7	96	1	41	8†	43	2.15	−1.30	1.00	0	6	15	7	8	n.	Mrs Katie Payne.
Frankfort	Franklin	569	46	69.6	+ 0.4	100	1	41	30	47	4.30	+1.58	1.65	0	9	18	3	9	w.	Sidney Wood.
Frankfort	Simpson	691	37	69.4	− 5.9	87	1†	44	29	34	4.54	+1.19	1.19	0	7	15	7	8	n.	M. E. Johnson.
Frankfort	Henry	449	21								5.16	+2.03	1.85	0	12					Louis Shiddell.
Gest, Lock 8	Boone	760	7								6.32		2.85	0	9					H. W. Sprague.
Grant, Dam 38	Green	581	29	69.4	− 0.2	101	1	40	29	41	3.37	+0.62	1.68	0	10	5	5	20	n.	Mrs. Bettie K. H. Alcorn.
Greensburg	Jessamine	550	30								2.65	−0.34	0.90	0	11					Miss Ruby L. Simpson.
High Bridge, Lock 7	Bracken	646	34	69.1	− 1.2	95	1	45	29†	35	2.54	−0.35	1.06	0	6	16	5	9	nw.	W. J. Piggott.
Irvington	Garrard	1092	6								3.20		1.65	0	10					John Anderson.
Lancaster	Garrard	635	36	69.0	− 0.8	96	1	43	30	36	4.38	+0.86	0.90	0	10	13	11	6	se.	H. H. Willis.
Lebanon	Marion	989	48	69.6	+ 0.5	98	1	46	25	32	2.70	−0.31	1.06	0	7	18	5	7	se.	U. S. Weather Bureau.
Lexington	Fayette										2.60	−0.80	0.76	0	9					Horace Canter.
Little Benkinin, Lock 8	Jessamine	523	21								8.32	+5.43	3.90	0	8					Frank Litch.
Lockport, Lock 2	Henry	478	22								3.01	+0.23	0.93	0	3	11	10	6	n.	U. S. Weather Bureau.
Louisville	Jefferson	2025	59	69.6	− 0.9	97	1	48	24	30	3.30		0.84	0	10					A. G. Hubbard.
Monticello	Hart	860	9								2.80	−0.14	0.72	0	10	21	3	6		Sisters of Loretto.
Mt. John	Hardin	727	36	68.5	− 0.8	98	1	41	29	36	3.86	−0.67	1.20	0	9					Ernest M. Searcy.
Salvisa, Lock 6	Mercer	490	18								4.19	+1.47	1.74	0	8	15	5	10	s.	Miss Ruth Ratts.
Shelbyville	Shelby	825	43	69.4	− 0.1	98	1	43	30	42	4.19	+1.47	1.74	0	8	15	5	10	s.	E. D. Bourne.
Taylorsville	Spencer	494	39	68.8	− 0.8	91	1	40	30	41	3.86	+0.63	1.40	0	9	18	3	9	nw.	H. K. Vaughn.
Tyrone, Lock 5	Anderson	526	14								2.52	−0.45	1.58	0	7					Miss Nettie B. Simpson.
Waddystown	Grant	946	29	69.8	− 1.2	102	1	43	30	41	6.08	−3.12	2.70	0	12	21	1	8	w.	H. J. Lewis.
Woodburn, Lock 4	Butler	533	15								3.09	+0.17	0.60	0	9					
Eastern Division.																				
Annville	Jackson										2.05		0.68	0	8	10	4	7	nw.	W. A. Worthington.
Ashland	Boyd	552	18	70.0	− 0.4	101	1	39	30	45	1.31	−1.80	0.27	0	7	5	15	12	n.	Jacob Armbruster.
Barbourville	Knox	830	28	68.7	− 4.1	100	1	38	30	43	1.22	−1.83	0.47	0	7	18	5	8	n.	Robert S. Smallwood.
Beattyville	Lee	1000	27	69.8	− 0.5	100	1	41	30	38	2.40	−0.46	0.76	0	7	19	3	8	sw.	Chas. C. Graham.
Berea	Madison	1056	27	69.8	− 0.5	100	1	41	30	38	2.82	+0.99	0.76	0	9					Kelly Walden
Carrollton, Lock 11	Madison	691	22								2.82	+0.99	0.76	0	11					P. H. Kelso.
Cynthiana	Harrison	681	14								5.63	+1.42	1.45	0	11					J. V. Oldham.
Falmouth	Pendleton	850	43								4.81	+2.41	0.78	0	11					
Farmers	Rowan	698	24	69.6	+ 1.3	103	1	34	30	45	2.05	−0.95	0.57	0	9	15	7	8	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	7								4.79		1.37	0	7					C. A. Glascock
Fort Boonesboro	Clark	502	16								2.57	0.86	0.60	0	10					Joan A. Walters.
Fort Lock 10	Clark	502	16								1.74		0.61	0	5					Col. Frank Powers.
Grayson	Carter	580	7								2.07	0.36	0.56	0	6					T. Mitchell.
Greenup	Greenup	540	12								1.07		0.63	0	8	20	7	3	sw.	W.W. Duffield.
Harlan, Dam 29	Harlan	1107	4	68.0		96	1	42	8†	37	1.76		0.85	0	10					Chas. O. Barig.
Hazlen	Perry	899	8								1.31	−2.20	0.55	0	7					S. C. Cole.
Hazard	Perry	994	15								1.38		0.29	0	7					R. R. Davidson.
Heidelberg, Lock 14	Lee	1000	15								1.38		0.29	0	7					Russian Copley.
Jenkins	Letcher	1066	7								0.73	−1.94	0.29	0	6					Jeanett H. White.
Louisa	Lawrence	554	28								2.11	−0.55	0.90	0	7					Perry E. Bennett
Manchester	Clay		12								2.26	−0.68	0.93	0	8	12	14	4	sw.	Matthew Woodson
Mayo-ville	Mason	521	35	66.5	− 3.2	98	1	42	8†	37	4.44	−0.44	1.27	0	7	15	13	2		W. R. Meikes.
Middlesboro	Bell	1126	35	73.0	+ 4.1	96	2	52	29	33	2.90	+0.82	1.46	0	9	22	2	6	w.	Otto Riddle.
Mount Sterling	Montgomery	909	24	68.9	+ 0.9	103	1	41	8	38	3.54	+0.57	0.87	0	11					Robert Bepass.
Oneonta, Dam 38	Campbell	497	5								1.99	−2.41	0.82	0	7					E. W. Semmerfield.
Pikeville	Pike	639	26								1.06		0.51	0	7	22	0	8		H. C. B. L.
Pineville	Knox	1053									1.28		0.56	0	9					R. W. Jones.
Prestonsburg	Floyd	740									1.36		0.42	0	7					Walter P. Bush.
Richmond	Madison	732	6	69.1		101	1†	38	7†	47	2.42	−1.50	0.66	0	8					J. W. Crooke
Sprowls, Lock 12	Estill	931	14								2.84	−0.78	0.76	0	9	20	2	8		Thos. Sullivan.
Stanford	Lincoln	956	41	70.0	− 0.3	97	2	47	8†	37	3.72	0.01	0.96	0	8					H. M. Fannin.
Valley View, Lock 9	Madison	541	9								2.62	−0.06	0.70	0	8					G. H. Zimmerman.
Wallace Dam 39	Estill	727	15								1.43		0.66	0	7					H. F. Davis.
Williamsburg	Whitley	1062									3.28	−1.25	0.95	0	9	20	9	10		Cleveland Angel.
Winchester	Clark	1000	37	70.8	− 0.8	102	1†	43	8	40	2.70	−0.91	0.25	0	5					
Worthville, Lock 12	Carroll	691	15								3.66	+0.83	4.10	0	8	16	6	8		
State average and range				69.5	− 0.9	103	1	34	30	47										

(1) Incomplete. (2) Records kept by Bureau of Engineers. (3) Records incomplete and unreliable. (4) Records for this month are not published. (5) Records for this month are not published. (6) Records for this month are not published. (7) Records for this month are not published. (8) Records for this month are not published.

Daily Precipitation for September, 1932.

Stations	Day of month																													Total	Departure from normal
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Western Division																																	
Beaver Dam	G		.09	.16	.36											.60				.70	.86	.06					.70	.81				4.14	
Calhoun	G	.17	.17	.38	.01							T			.05		.70		1.03		T										1.31	
Darlington	G			1.40	0.	.01													1.25							1.					2.66	
Eagle Ferry, Dam 50	O		.03	.25	.06									T	.35	T	.15		1.25	.25					4.	.56	4.				6.06	
Evansville	G		.23	.55													.05		2.10	.54					.43	.42					4.34	
Henderson	O		.06	.10	.05										.25				1.10			.07									1.52	
Hopkinsville	C			.82	.13															1.10					.03						1.13	
Lovelaceville	M		.2																.80	.2			F		.01						1.01	
Marion	O		.85	.2														.85	3.00						.40						4.25	
Mayfield	M			.3												.08			2.67												2.75	
Murray	T		1.85	.04	.06														4												6.05	
Owensboro	O		.15	.76	.15																		F		F						1.06	
Owensboro, Dam 46	O		.50	.50	.25										.45	.11			1.05	.85		.04									3.25	
Paducah (near)	O		.65	.46											.50	.20			.14	.45		T.									1.75	
Paducah	O			.2	.60														.2	.2											.4	
Princeton	G	T.	.50	.4								.02					.50		.2	.35		.61			.36						1.34	
Kunsey, Lock No. 2	G		.16	.75	.10										.10		.50		1.15	.45											2.76	
Russellville	G			.25	.10	.47													1.30	.07		.07			.40						2.34	
Tompkinsville	O			.2	.60														.2	.2											.4	
Tompkinsville, Dam 49	O		1.28	1.06	.43														.2	.10	T										1.81	
Central Division																																	
Addison, Dam 45	O			.46	.40	T.										.04	.03		.37	.17	.64	.16				.25	.2	.7				2.13	
Auburn	O	.08	.12	.32															1.41	.41	.11					.2						2.15	
Bardstown	C			.24	.28	.07									.02				.24	1.45	.29	.63				.12	.15					2.99	
Bowling Green	G			.26	.15										.06	T	.05		.20	.31	.01				1.50	.10	.4					2.83	
Bowling Green, No. 2	G			.17	.25	.02									1		.40		.6	.2		.40			.42	.16	.4					2.27	
Brownsville, Lock No. 6	G			.43	.11												.12		.4	.47	.02				.06	.2	.2					2.42	
Burnside	C		T	.21	.40										.47		T		.44	.47	.02				.06	.2	.2					2.42	
Carrollton (Lock No. 1)	K			1.32															T	.38	.61	T.	T.		T.	.61	.61					3.53	
Cold Spring, Dam 36	O		.31	.27	.87														.70	1.25												3.27	
Dix Dam, Burgin	K		.22	.12	.10														.60	1.12	.14					.2	.2					4.20	
Elmark	C																		.20	.80	.30	.32			.12	.56	.24					2.54	
Frankfort	K			.65	.50															1.00			.02	.30		.03	.2					2.02	
Franklin	G			.4											T					1.25	.08	.04			.45	.2	.2					4.24	
Frost, Lock No. 3	K	T.		.03	.38											.24			1.15					.05	1.16	1.00	.45				4.04	
Grant, Dam 33	O		.70	.2	.05	.66					.01		.20	.22					.40	1.05	.12	.05			.06	.14	.05					5.06	
Greensburg	C				.30	.45													.08	1.6	.17					.20	.28	.2				6.32	
Hich Bridge, Lock No. 7	K			.03	.17	.05						.03				.06			.20	1.03	.35	.12				.2	.6	.2				8.87	
Irvington	O		.18	.04	T														.2	.30	.18	.06				.14	.05	.04				2.02	
Jamestown	K		.10	.20	.1														1.16	T	.05					.54	.05	T				2.11	
Leitchfield	G		.75	.90	T													.10	.45	.42	.03					.16	.5	.25				3.43	
Lexington ***	K	T.	.82	.18							T		.16		.05				.85	.15	.02					.10	.26	.10				1.54	
Little Hickman, Lock No. 8	K			.10	.15	T							.10						.50	.25	T					.10	.10					2.76	
Lockport, Lock No. 2	K		1.10	.55										T.					.05	.20	.15	.10				.20	.2	.5				2.52	
Louisville ***	O	.14	.22	.58								T.			T.			1	.82	.05	.08			T	.82	.61					4.33	
Munfordville	G			.14	.48	.17										.16			.20	.84	.09					.45	.27	.20				2.51	
St. John	S				.45	T.										.04			.45	.42	.09	.02				.12	.45	.07				1.65	
Sylvia, Lock No 6	K				.58	T												.10	.45	.42	.09	.02				.16	.5	.25				2.56	
Shelbyville	S			.12	.20													.20	.20	.10		.20				.18	.40	.10				2.56	
Taylorsville	S		.01	.41	T														.50	.24		.05				.20	.03	.02				4.19	
Tyrone, Lock No. 5	K		.11	.50										.60	T				1.40	.27	.07					.07	.12	.48				3.82	
Williamstown	G			1.03	.6	.20													1.05	.10		.03				.40	.10					3	
Woodbury, Lock No. 4	G		T	.21	.10	T									.04				.10	.05						.15	.27	.12				6.08	
Eastern Division																																	
Annville	C				.04	.61													.30	.25	.34					.15	.25	.60				2.46	
Ashland	K			.10															.20	.25	.03				T	.20	.2				1.31	
Beattyville	K				.13														.20	.4	.14	T	T			.03	.3	.31				1.32	
Berea	K				.18														.05	.05					.02	.2							
Bodese Hill, Lock No. 14	K	T.		.2	.2	.05													.15	.30	.20	T				.18	.20	.10				1.00	
Crockett	L		.24	.80	.05	1.35													.05	.85	.1			T		.18	.20	.10				4.19	
Falmouth	L		.72	.15	.37					.20	.25								.35	.04	.44					.40	.34	.40				4.81	
Farmers	K		.0		.83					.71	.18								.60	.21						.17	.57	.20				2.75	
Georgetown	L		.49			1.37													.15	.50							1.14						
Good, Lock No. 10	K			.34	.14	.49													.10	.50						.17	.04	.11	.50			3.17	
Grayson	G					.21													.10	.10						.11	.50	.80				6.08	
Greenup, Dam 30	O				.27														.01	.10							.40	.40				3.89	
Harlan	K				.17														.50	.70		T				.07	.50	.05				1.82	
Jackson	K				.14	.08													.05	.20	.05					.10	.01					1.49	
Heidelberg, Lock No. 14	K			.07															.03	.04	.15					.05	.10	.02				1.39	
Hindman	K																		.05	.20	.05	.02				.10	.01					1.49	
Louisa	K				.17	.05													.50	.17						.10	.25					0.78	
Maysville	K				.8														.05	.20	.20					.25	.40					1.29	
Middlesboro	C				.10														.12	.4	.12	T				.15	.03	.2					
Mount Sterling	L				.10															.10	.2					.10	1.25	.30				2.81	
Oneonta, Dam 35	O		.23	.22	.87	.15													.05	.8	.1					.25	.15	.05				3.90	
Pineville	B		.2		.6														.06	.8	.17	.2				.2	.50	.2				4	
Pippapass	K																		.10	T		.2	.15		.1	.2	.2					1.99	
Prestonsburg	B		.05																.10	.01	.07				.15	.3	.1					1.06	
Raceland	K		.7		.04						.02								.10	.09	.04				.08	.4	.2						
Ravenna, Lock No. 12	K		T.		.2	.1													.14		.1					.12	.2						
Richmond	K			.48	.28	.08													.11		.10	.05	T			.07	.02						
Valley View, Lock No. 9	K		.82	.04															.14	.2	.05					.1	.5	.05					
Barcsburg, Dam No. 32	O		.50		.38					.10									.50	.26	.10					.06	.50					8.72	
Whitesburg	K				.17					.44									T	.4	.14	T				.3	.70	.2				2.03	
Williamsburg	T				.36						.10								.18				T		T	.12	.2					1.44	
Willow, Lock No. 13	K				.05														.15	.10	.15					.25						1.29	

Except as otherwise indicated, precipitation is for the 24-hour period ending at 7 a.m. (C.S.T.) on the dates shown. Precipitation included in next following measurement.

time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

(‡) Precipitation measured at the morning amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area (B) which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland

(T) Tennessee; (O) Ohio; (M) Mississippi.

*Elm Oak

Daily Temperatures for September, 1932.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Eastern Division.																																	
Beaver Dam	Maximum	96	91	86	92	88	89	77	78	84	81	89	92	90	93	92	83	84	84	82	78	73	72	70	76	74	75	79	76	74	80	...	82.7
	Minimum	68	70	71	68	66	68	47	47	46	51	60	63	64	63	60	66	64	60	72	66	67	68	68	64	67	66	70	68	75	73	...	64.9
Bellevue	Maximum	92	88	76	87	85	86	75	76	85	86	90	85	90	89	89	83	82	82	81	76	77	76	77	77	71	72	76	76	78	75	78	81.1
	Minimum	74	76	72	72	67	69	59	59	61	60	57	62	59	62	60	64	61	60	65	61	65	62	59	68	67	67	67	67	67	67	67	64.8
Berea	Maximum	96	87	78	85	85	86	77	78	85	88	91	88	88	89	90	82	82	82	82	77	75	74	76	76	76	79	79	74	75	76	42	81.8
	Minimum	58	58	58	57	54	57	46	48	52	55	52	56	54	56	56	56	56	56	57	55	62	64	63	59	48	63	65	59	45	42	...	58.3
Covington	Maximum	91	83	73	73	73	77	69	66	75	77	83	86	91	88	88	89	90	86	86	76	77	74	77	72	70	73	78	76	72	75	75	81.6
	Minimum	68	70	72	72	67	63	58	56	61	64	65	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	...	67.3
Crescent Springs	Maximum	93	85	77	80	85	89	75	75	83	88	91	88	88	89	90	82	83	...	82	76	77	74	77	72	70	73	78	76	72	75	75	80.8
	Minimum	68	70	71	68	68	69	59	60	60	62	55	65	65	65	65	65	64	64	64	64	64	64	64	64	64	64	64	64	64	64	...	64.3
Crestwood	Maximum	96	91	78	88	89	89	80	80	87	89	92	90	93	92	93	85	86	86	84	78	77	76	77	77	75	78	78	77	75	78	78	84.2
	Minimum	68	68	68	68	68	68	59	60	60	62	60	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	...	62.3
Henderson	Maximum	98	92	80	90	89	89	76	79	81	85	90	90	91	92	92	84	85	85	84	80	77	76	77	77	75	77	78	77	75	77	77	83.2
	Minimum	72	69	70	71	69	69	64	64	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	...	66.1
Hodgenville	Maximum	94	90	82	90	90	90	78	78	84	86	90	90	92	92	92	86	86	86	86	80	78	78	80	78	76	78	80	78	76	78	78	84.5
	Minimum	72	72	72	67	68	68	54	54	58	60	62	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	...	64.0
Lawrenceburg	Maximum	94	88	81	86	84	88	77	78	82	85	87	87	89	90	92	84	84	84	84	78	77	76	77	77	75	77	78	77	75	77	77	82.8
	Minimum	72	69	71	71	69	69	61	60	62	64	64	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	...	65.7
Lebanon	Maximum	94	88	84	87	87	88	78	77	83	86	88	88	90	90	90	83	84	84	84	78	77	76	77	77	75	77	78	77	75	77	77	83.1
	Minimum	72	72	72	70	68	68	58	58	60	62	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	...	64.0
Lebanon Junction	Maximum	94	88	84	87	87	88	78	77	83	86	88	88	90	90	90	83	84	84	84	78	77	76	77	77	75	77	78	77	75	77	77	83.1
	Minimum	72	72	72	70	68	68	58	58	60	62	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	...	64.0
Louisville	Maximum	94	88	81	84	86	86	76	76	82	85	87	87	89	90	92	84

551.6 3
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVII LOUISVILLE, KY., OCTOBER, 1932 No. 10

THE LIBRARY OF THE
OCT 22 1932
UNIVERSITY OF ILLINOIS

GENERAL SUMMARY.

Low temperatures, especially in the first two weeks, were unfavorable for maturing late crops. Corn was safe from frost by the end of the first week, but considerable late tobacco remained out till near the middle. Cool weather and showers delayed its ripening, and brought unfavorable conditions for housing and curing. This weather affected tobacco already in barn, but the short periods of sunshine usually prevented damage from sweating.

While the rainfall was not generally heavy, its frequency interfered somewhat with seeding. In western and northern districts the soil was too wet at times for plowing and sowing, but in the southeastern sections it was too dry until rain reached that area in the second week. Additional rains in eastern districts in the third week largely revived pastures. In other parts of the State pastures continued good throughout the month. Growth of grass was slow but livestock required little feeding.

Except in southeastern districts, moisture was always sufficient at time of seeding, which resulted in excellent stands and satisfactory growth. Barley was sown more generally than usual. On account of ample moisture lespedeza reseeded with good stands. Forage crops developed good late yields but the limited sunshine and warmth were scarcely sufficient for complete curing. Making of late hay continued, however, until the last week. In some western districts the fifth crop of alfalfa was harvested.

Heavy frosts on the 6th and 7th damaged late crops and gardens on lowlands in the northeastern counties. Killing frost occurred rather generally in the northern counties on the 30th. Although unpromising early in the month, late potatoes completed their growth in the long period of frost-free weather. Tomatoes continued to produce and canneries to operate until late in the month. Gardens also remained productive much later than usual.

TEMPERATURE.

Temperatures seldom averaged above normal in the first two weeks, but weather warmer than normal predominated in the next decade. The lowest temperatures occurred at most stations in the five-day cool period at the end. Some extreme northern stations with light rainfall and more sunshine had normal averages, but in the southern and western counties departures were 2.0° to 4.0° below normal. The extremes were 85° at Frankfort on the 24th, and 24° at Farmers on the 30th.

PRECIPITATION.

The distribution of rainfall was again quite irregular, but less so than in the preceding month. It averaged somewhat above normal, due largely to the rains in the dry southeastern district, which received from 4.0 to 5.0 inches. A few counties in the lower valleys of the Green and Kentucky received a like amount, but between these areas in a broad northeast-southwest belt [illegible] inches in other central portions. [illegible]

MISCELLANEOUS.

[illegible]

PRESSURE AND WIND.

Stations.	Atmospheric pressure (Inches and tenths to be added to 29-, except as noted.)				Wind.			
	Average.	Highest.	Date.	Lowest.	Date.	Total movement.	Mean hourly velocity.	Maximum velocity.*
								Miles per hour.	Direction.	Date.
Cairo	30.02	30.29	28	29.76	17	6,270	8.5	40	SW.	27
Cincinnati	30.02	30.33	8	29.77	17	6,251	8.4	36	W.	27
Louisville	30.03	30.31	28	29.76	17	6,064	8.2	40	NW.	27
Lexington	30.05	30.29	28	29.81	17	5,965	8.0	35	W.	27
Bowling Green	30.03	30.30	28	29.80	17	5,538	10.4	36	E.	27

*For any 5-minute period. [illegible]

HUMIDITY AND SUNSHINE.

Stations.	Rel. Humidity.			Sunshine.				
	7 a. m.	Noon.	7 p. m.	Total hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of days with 60 per cent or more.	Number of days with 20 per cent or less.
Cairo	84	58	66	260.2	348.1	69	18	5
Cincinnati	83	57	65	190.9	346.1	55	12	8
Covington	84	58	67	202.1	345.5	57	14	9
Lexington	84	57	67	206.3	344.7	59	13	9
Louisville	83	56	63	176.2	344.7	51	13	10

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature. Monthly average.	Departure from normal (in tenths).	Highest.	Lowest.	Precipitation. Monthly average.	Departure from normal.	No. of days with .01 in. or more rain.	Average Number for 25 years. Clear.	Partly Cloudy.	Cloudy.	Average number of days with thunderstorms.
Mean	58.2	.....	98	13	2.77	.....	6	17	6	8	0.1
1889	52.0	-6.2	91	23	2.42	-0.35	..	..	..	..	..
1890	55.7	-2.5	87	25	2.94	+0.17	..	..	..	..	..
1891	54.5	-3.7	82	24	0.78	-1.99	..	..	..	..	..
1892	55.2	-3.0	86	19	0.51	-2.26	..	..	..	..	..
1893	59.4	+1.2	90	30	4.60	+1.23	..	..	..	..	..
1894	56.6	-1.6	92	25	1.66	-1.41	5	..	..	..	..
1895	52.2	-6.0	82	24	1.55	-1.52	5	15	5	11	..
1896	55.8	-2.4	85	25	3.51	+0.44	8	12	3	16	..
1897	60.2	+2.0	96	26	2.42	-0.65	5	13	7	11	..
1898	61.5	+3.3	93	29	2.29	-0.78	6	12	7	12	..
1899	58.1	-0.1	93	33	4.19	+1.42	10	12	7	12	..
1900	57.1	-1.1	93	33	1.57	-1.20	5	15	6	10	..
1901	60.2	+1.9	91	26	2.34	-0.43	6	13	7	11	..
1902	61.2	+2.9	94	26	2.34	-0.43	6	13	7	11	..
1903	57.7	-0.6	90	30	2.20	-0.57	5	13	7	11	..
1904	57.2	-1.1	90	29	0.52	-2.25	3	14	5	12	..
1905	57.0	-1.3	89	25	4.05	+1.28	9	14	6	11	..
1906	56.9	-1.4	91	29	1.51	-1.26	5	14	6	11	..
1907	56.5	-1.7	93	26	2.97	+0.20	6	12	6	13	1
1908	57.1	-1.1	93	30	0.71	-2.06	3	16	6	9	..
1909	58.2	+0.0	94	18	2.11	-0.66	6	13	5	13	..
1910	61.4	+3.2	96	27	4.45	+1.68	9	12	5	14	1
1911	59.9	+1.7	94	27	2.97	+0.04	10	13	5	13	..
1912	56.5	-1.8	92	25	1.42	-1.85	4	15	6	10	..
1913	56.4	-1.8	87	24	3.53	+0.26	8	14	5	12	..
1914	59.6	+1.5	91	29	3.51	+0.24	9	13	6	12	..
1915	55.6	-2.4	87	27	2.01	-1.26	6	16	5	10	..
1916	55.6	-0.6	87	24	2.01	-1.26	6	20	4	7	..
1917	57.1	-0.1	91	28	3.18	+0.41	7	14	6	11	..
1918	62.5	+4.1	94	28	3.63	+1.04	7	14	6	11	..
1919	66.6	+7.4	96	34	5.44	+3.22	11	11	5	15	..
1920	60.2	+2.0	93	34	1.64	-1.13	5	21	5	5	2
1921	57.1	-1.1	90	24	2.31	-0.46	6	14	6	11	..
1922	60.2	+2.0	95	28	2.28	-0.49	6	15	4	12	..
1923	56.5	-1.7	93	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1924	61.1	+2.9	94	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1925	[illegible]	-5.3	85	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1926	[illegible]	[illegible]	[illegible]	[illegible]	5.06	[illegible]	11	12	6	13	2
1927	[illegible]	[illegible]	[illegible]	[illegible]	2.61	[illegible]	4	15	6	10	..
1928	56.4	-1.9	91	24	[illegible]	+1.16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1929	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1930	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1931	[illegible]	-1.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Climatological Data for October, 1932.

Stations	Counties	Elevation, feet	Length of record, years.	Temperature, in degrees Fahr.						Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																			
Beaver Dam	Ohio	441	28	.....	.....	84	2	.....	.....	.....	4.60	+1.80	1.10	0	7	22	0	9	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	28	57.6	−2.4	79	22	31	30	38	3.38	+0.49	1.11	0	9	15	7	9	sw.	W. A. Taylor.
Carlinton	Hopkins	420	42	58.2	−1.4	82	3	30	28†	43	3.59	+0.66	1.18	0	8	17	3	11	s.	Brick Southworth.
Darlington	Hopkins	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.45	.....	2.00	0	7	.....	.....	.....	.....	W. D. Datcher.
Fords Ferry, Dam 50	Crittenden	336	3	.....	.....	.....	.....	.....	.....	.....	4.78	+0.72	1.10	0	7	16	12	3	s.	C. R. Lovell.
Greenville	Muhlenburg	519	15	56.6	−2.7	79	3†	28	30	36	5.05	+1.81	1.88	0	8	22	2	7	w.	Richard Stites
Henderson	Henderson	382	18	58.0	.....	81	21	33	29†	35	5.05	+1.81	1.88	0	8	12	3	16	se.	W. E. Graves.
Hopkinsville	Christian	524	36	57.6	−3.0	82	19	30	28	41	3.77	+0.73	0.88	0	5	22	4	5	s.	Blaine Malone.
Louisville	Ballard	.....	8	58.0	.....	85	13	31	6†	40	3.58	.....	1.46	0	5	19	5	7	n.	B. C. Paris.
Marion	Crittenden	571	34	57.7	−2.4	76	3	34	6	32	3.80	+0.95	1.20	0	4	22	2	7	se.	Mrs. C. R. Sowell.
Mayfield	Graves	364	28	58.0	−2.2	81*	20	31*	6	38*	3.94	+1.28	1.90	0	8	15	9	7	s.	Harry B. Arnold.
Murray	Calloway	412	6	56.6	.....	83	19	30	28	43	3.85	.....	1.10	0	8	15	8	7	s.	Henry S. Berry.
Owensboro	Daviess	479	35	58.8	−3.1	77	3	29*	28	32*	4.09	+0.81	1.53	0	8	16	3	12	s.	George McGlemary.
Owensboro, Dam 46	Daviess	404	4	.....	.....	.....	.....	.....	.....	.....	3.18	.....	1.39	0	7	.....	.....	.....	.....	.....
Paducah, near	McCracken	346	15	57.4	−3.4	83	19	30	29	34	4.54	+0.55	1.70	0	6	21	3	7	se.	J. W. Lilley
Paducah	McCracken	346	15	.....	.....	.....	.....	.....	.....	.....	3.66	+0.63	0.88	0	5	.....	.....	.....	.....	Frank L. Brown.
Paducah	McCracken	341	48	.....	.....	.....	.....	.....	.....	.....	3.68	+1.19	1.41	0	7	18	4	9	s.	Dr. W. L. Cash.
Princeton	Caldwell	529	25	57.4	−1.7	82	19	31	28	40	3.38	−0.36	0.88	0	8	.....	.....	.....	.....	Thos. L. Wetzell.
Rumsey, Lock 2	McLean	384	15	.....	.....	.....	.....	.....	.....	.....	3.35	−0.36	0.88	0	8	.....	.....	.....	.....	.....
Russellville	Logan	590	21	56.6	−2.8	80	3	31	30	30	3.62	+0.54	1.04	0	9	16	4	11	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	4	.....	.....	.....	.....	.....	.....	.....	4.15	.....	1.50	0	7	.....	.....	.....	.....	Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	352	4	.....	.....	.....	.....	.....	.....	.....	3.07	.....	0.89	0	8	.....	.....	.....	.....	C. L. Moore.
Ancramdale	Jefferson	700	31	54.4	−2.5	80	24	25	30	38	4.21	+1.21	1.63	0	8	21	1	9	se.	C. E. Barret.
Bardstown	Nelson	637	35	57.8	−1.3	84	3	27	30	38	3.89	+1.07	1.26	0	9	17	4	10	s.	Mrs. Emily T. Sisco.
Bardstown	Nelson	637	35	57.4	−1.7	82	19	31	28	40	3.68	+1.19	1.41	0	7	18	4	9	s.	Thos. L. Wetzell.
Bowling Green	Warren	500	43	59.2	−0.6	83	2	32	28	38	3.22	+0.61	0.81	0	8	17	4	10	w.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	409	7	.....	.....	.....	.....	.....	.....	.....	2.43	.....	0.60	0	8	.....	.....	.....	.....	T. Rone
Brownsville, Lock 6	Edmonson	410	15	.....	.....	.....	.....	.....	.....	.....	3.03	−0.66	0.68	0	8	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	41	.....	.....	.....	.....	.....	.....	.....	4.79	+1.89	1.55	0	8	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	33	.....	.....	.....	.....	.....	.....	.....	2.35	−0.49	0.78	0	6	.....	.....	.....	.....	Shelby Angel.
Cold Spring, Dam 36	Campbell	489	6	.....	.....	.....	.....	.....	.....	.....	2.15	.....	0.74	0	7	.....	.....	.....	.....	Reuben Hartley.
Dix Dam, Burgin	Mercer	770	8	57.8	.....	80	3	30	30	39	3.59	.....	1.03	0	9	15	4	12	sw.	C. W. Williams.
Eubank	Pulaski	1177	38	54.5	−2.0	80	14	26	28†	40	4.65	+1.94	1.90	0	5	11	9	11	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	40	56.5	−0.3	85	24	27	30	43	2.10	−0.50	0.68	0	6	19	1	11	s.	Sidney Wood.
Franklin	Simpson	691	37	56.2	−4.0	82	23	35	7†	40	3.82	+1.21	1.17	0	8	18	5	8	s.	M. E. Johnson.
Glasgow	Barren	810	15	.....	.....	.....	.....	.....	.....	.....	2.18	−1.22	0.70	0	10	.....	.....	.....	.....	Louis Shiddell.
Grant, Lock 3	Henry	449	21	.....	.....	.....	.....	.....	.....	.....	2.85	.....	0.92	0	9	.....	.....	.....	.....	H. W. Sprague.
Grant, Dam 38	Boone	780	7	.....	.....	.....	.....	.....	.....	.....	3.72	+0.65	0.82	0	11	5	4	22	se.	Mrs. Bettie K. H. Alcorn
Greensburg	Green	581	39	56.4	−0.7	82	3	27	28	39	2.33	−0.65	0.70	0	8	.....	.....	.....	.....	Miss ruby L. Simpson.
High Bridge, Lock 7	Jessamine	550	39	.....	.....	.....	.....	.....	.....	.....	3.19	+0.18	1.11	0	6	19	4	8	w.	W. J. Piggott.
Lexington	Fayette	616	34	57.2	+0.5	77	3†	31	30	34	4.30	.....	1.60	0	8	.....	.....	.....	.....	John Anderson.
Lancaster	Garrard	1032	6	.....	.....	.....	.....	.....	.....	.....	4.23	+1.56	1.53	0	7	16	5	10	s.	H. H. Willis.
Leitchfield	Grayson	635	35	57.8	−0.3	78	2†	30	30	36	2.28	−0.81	1.04	0	7	18	3	10	s.	U. S. Weather Bureau.
Lexington	Fayette	989	43	56.2	−1.2	77	3	34	6	29	2.29	−0.97	0.80	0	4	.....	.....	.....	.....	Horace Center.
Mitchell cranin, Lock 8	Jessamine	523	21	.....	.....	.....	.....	.....	.....	.....	3.18	−0.07	1.51	0	5	.....	.....	.....	.....	Frank Litch.
Lockport, Lock 2	Henry	476	22	.....	.....	.....	.....	.....	.....	.....	3.05	+0.40	1.12	0	9	18	7	11	s.	U. S. Weather Bureau.
Louisville	Jefferson	525	59	57.4	−1.9	80	24	36	30	30	3.90	.....	0.98	0	5	.....	.....	.....	.....	A. G. Hubbard.
Munfordville	Hart	600	9	.....	.....	.....	.....	.....	.....	.....	3.42	+0.59	1.25	0	6	22	4	5	.....	Sisters of Loretto.
St. John	Hardin	777	36	55.0	−2.7	79	2	25	31	37	2.34	−0.77	0.70	0	4	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6	Mercer	499	18	.....	.....	.....	.....	.....	.....	.....	3.57	+0.62	1.26	0	10	14	8	14	s.	Miss Ruth Batta.
Shelbyville	Shelby	525	48	55.8	−1.4	78	24	29	30	36	3.89	+0.92	1.37	0	9	19	4	8	s.	E. P. Bourne.
Taylorsville	Spencer	489	30	55.7	−0.6	76	23†	29	28	37	3.54	+0.23	1.35	0	7	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5	Anderson	526	14	.....	.....	.....	.....	.....	.....	.....	4.84	+1.48	1.60	0	11	19	4	8	e.	Miss Nettie B. Simpson.
Williamstown	Grant	943	29	56.6	−1.5	82	3	28	30	40	4.72	−1.00	0.63	0	7	.....	.....	.....	.....	H. J. Lewis.
Woodbury, Lock 4	Butler	533	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Annville	Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.93	.....	1.85	0	8	17	3	11	sw.	W. A. Worthington.
Ashland	Boyd	534	15	58.1	+0.4	83	3	30	30	37	2.52	−0.17	1.17	0	7	16	1	14	s.	Jacob Armbruster.
Beattyville	Lee	650	28	54.6	−3.2	79	23†	27	30	37	3.31	−0.06	1.55	0	8	5	16	10	ne.	Robert S. Smallwood.
Berea	Madison	1070	27	55.6	−0.4	81	8	30	30	39	4.56	+1.48	1.87	0	9	19	3	9	se.	Chas C. Graham.
College Hill, Lock 11	Madison	691	22	.....	.....	.....	.....	.....	.....	.....	2.26	−1.21	0.86	0	6	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	694	14	.....	.....	.....	.....	.....	.....	.....	1.65	−1.45	0.62	0	5	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	690	43	.....	.....	.....	.....	.....	.....	.....	1.03	−0.60	0.68	0	4	.....	.....	.....	.....	I. V. Oldham.
Georgetown	Bowan	668	24	57.0	+0.4	84	3	24	30	44	2.88	−0.57	0.91	0	7	12	6	13	e.	Mrs. R. F. Stamper.
Hindman	Fleming	841	7	.....	.....	.....	.....	.....	.....	.....	2.71	.....	0.93	0	4	.....	.....	.....	.....	C. A. Glascock
Irvine	Clark	868	16	.....	.....	.....	.....	.....	.....	.....	2.37	−0.14	0.71	0	6	.....	.....	.....	.....	John A. Walters.
Jackson	Breathitt	1000	7	.....	.....	.....	.....	.....	.....	.....	2.65	.....	0.95	0	4	.....	.....	.....	.....	Col. Frank Bowers.
Jamestown	Russell	1000	7	.....	.....	.....	.....	.....	.....	.....	2.81	−0.37	1.39	0	4	.....	.....	.....	.....	T. Mitchell.
Jenkins	Letcher	1600	7	.....	.....	.....	.....	.....	.....	.....	4.63	.....	1.78	0	6	.....	.....	.....	.....	W. W. Duffield.
Lancaster	Garrard	1032	6	.....	.....	.....	.....	.....	.....	.....	4.23	+1.56	1.53	0	7	16	5	10	s.	U. S. Weather Bureau.
Lexington	Fayette	989	43	.....	.....	.....	.....	.....	.....	.....	2.29	−0.97	0.80	0	4	.....	.....	.....	.....	Horace Center.
Louisa	Lawrence	584	28	.....	.....	.....	.....	.....	.....	.....	4.07	+1.80	1.78	0	6	.....	.....	.....	.....	Jeannett H. White.
Manchester	Clay	.....	12	.....	.....	.....	.....	.....	.....	.....	2.81	+0.15	1.91	0	6	13	9	9	sw.	Perry E. Bennett
Maysville	Mason	694	35	53.5	−4.0	78	3	27	30	28	4.18	+1.57	2.25	0	5	15	12	4	.....	Matthew Woodson
Middlesboro	Bell	1328	36	.....	.....	78§	20§	.....	.....	.....	3.88	+0.98	0.95	0	8	19	2	10	w.	W. R. McKee.
Mount Sterling	Montgomery	930	42	55.2	−0.7	82	3	26	30	38	2.05	−0.68	0.74	0	7	.....	.....	.....	.....	Otto Riddle.
Oneonta, Dam 35	Campbell	495	5	.....	.....	.....	.....	.....	.....	.....	4.69	+1.74	2.20	0	6	.....	.....	.....	.....	Robert Repass
Pineville	Bell	636	26	.....	.....	.....	.....	.....	.....	.....	4.76	.....	1.12	0	11	19	2	10	.....	B. W. Summerfield.
Pippapass	Knott	1035	.....	.....	.....	.....	.....	.....	.....	.....	3.23	.....	1.61	0	7	.....	.....	.....	.....	E. C. Hall.
Prestonsburg	Floyd	630	7	.....	.....	.....	.....	.....	.....	.....	2.48	.....	0.80	0	8	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breathitt	792	6	57.1	.....	85	3	27	30	45	2.78	−0.76	1.16	0	7	.....	.....	.....	.....	Walter P. Bush.
Ravenna, Lock 12	Estill	624	14	.....	.....	.....	.....	.....	.....	.....	2.66	−0.16	0.93	0	6	21	3	7	.....	J. W. Crooke.
Richmond	Madison	926	41	58.4	−0.7	80	4	33	30	35	1.97	−1.85	0.70	0	5	.....	.....	.....	.....	Thos. Sullivan.
Valley View, Lock 9	Madison	541	19	.....	.....	.....	.....	.....	.....	.....	2.84	+0.01	1.36	0	6	.....	.....	.....	.....	H. M. Franklin.
Vanceburg, Dam 34	Lewis	595	17	.....	.....	.....	.....	.....	.....	.....	4.68	.....	1.85	0	10	.....	.....	.....	.....	G. H. Zimmerman.
Whitesburg	Letcher	1162	7	.....	.....	.....	.....	.....	.....	.....	4.50	+1.82	1.55	0	7	24	0	7	.....	H. F. Davis.
Williamsburg	Whitley	909	35	55.5	−3.5	80	26	30	31	40	4.68	+1.22	1.60	0	8	.....	.....	.....	.....	Cleveland Angel.
Wilson Lock 13	Lee	614	13	.....	.....	.....	.....	.....	.....	.....	3.31	+0.51	2.25	0	7	17	5	9	s.	
State averages and extremes		.....	.....	56.8	−1.4	85	5†	24	30	44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

All temperature data are taken from self registering thermometers.

The departure and from normals (temperature and precipitation) are computated only for such stations as have ten or more years of record, but all complete reports are used in determining state, section or division means. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Records for short periods are frequently published in this section. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, *, †, §, appearing in the table indicate number of days missing; for example, b represents two days, etc. ‖Lone Oak.

* Also on other dates. ** Record or too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.

¶Portsmouth and Ironton: —Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 9, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

Oneonta, California, Ky.

Daily Precipitation for October, 1932.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
er Dam ..... G				.65																												
nton ..... G				.90	.06					.60						.20	1.16	.05							.90					1.05		
dington ..... G				1.18						.80						.06	.14	.01							T	1.11				.02	.27	
s Ferry, Dam 50				.14	2.00	T.				.60						.06	.20								.05	.72				.10	.02	
nville ..... G				.70							.62					T	.02									.6	.05				.02	
derson ..... O										.70						.20	.01	.03													.77	
ksville C				1.98	.03					.50							.11									1.10						
lmeville ..... M				.81	.52																				.30	.01						
ton ..... G				1.46						.71						T	.83	.21								.72	.2			.24	.28		
field ..... M				1.20						.65																.50					.25		
ray ..... T				1.90						.70							.10									.60					.65		
nsboro ..... O				.78	.48					.88															* .90					.56		
nsboro, Dam 46				1.53	.07					.70					T	.12	.06									.06					.40		
ton (near) ¶ ..... O				T	1.39	T.				.68						.05	.08	T.						1.10	T	1.10					.35		
nouth ..... O				1.70						.76	.08						.08	.04	T							.44	.42				.10	.55		
eston ..... G				.80	.60					.70							.02									.85						.14		
ser, Lock No. 2				1.41													T														.40	.70		
ell ..... G				.20	.77					.54						.05	.10									.62						.80		
ell ville ..... G				.33	.46					.86							.10	.03							T	1.14					.12	.50		
ntown, Dam 49 ..... O					.70					.45						.06	.55	.05								.88	.10					.55		
Central Division																																
son, Dam 45 ..... O					.62	T.				.87							.02	T.								.62	.24					1.64		
orado ..... O				.81	.09					.71	.59						.21	.20	.02							.91	.05					1.30		
stown ..... S				.25	.15					.20	.45					.11	.57	.03								.41	.60				.12		
ling Green ..... G					.80						.71					.20	.47		.03							.64				T.	1.60		
ling Green, No. 2 ..... G				.01	.41	T.					.18					.05	.81	.09								.85					1.26		
nsville, Lock No. 6 ..... G											.64						.47	.04								.40	.52				.05		
ville C				T.	.65	.41					.15					.04	.68	.05	T.							.45	.50				.03		
illon ¶ (Lock No. 1) ..... K					.44						.75					.04	1.5	1.35	.04	T.						.36	.58						
Spring, Dam 36 ..... O					.22	T					.88						.33	.04									.54						
am, Burgin ..... K				.49	.09					.44						.84	.04	.38					T.		T.	.74	.08				.22		
nk ..... K					.64	.11											1.16								.01	.59	.01				1.03		
fort ..... K					.55	.02					.68						.08	.03							T.	.69	T.				T.		
lin ..... G				.56	.04					.85	.06					1.01	.21								1.17						.45		
sburg ..... K				T.	.44	T.					.37						.46	.03	.02							.01	.66	.02				.05		
Bridge, Lock No. 7 ..... K				.40	.21	.01				.02	.82					.65	.55	.01		.01			.01			.51					.45		
ton ..... O					.42	.11					.47						.70	.02								.61	.04				.42		
ster ..... K				.45	T.					.62						T.	.31	.08							.04						.15		
field ..... K				.72	.10					.35						.95		.04						.01	.60				T.	1.11		
gton *** ..... G				.67	.15					.67						.10	.45								.82				T.	1.50		
Hickman, Lock No. 8 ..... K				.31	.39					.23						.95	T.	.02							.21	T.			T.	1.04		
ort, Lock No. 2 ..... K					.52	T.					.20						.89	T.	T.								.44			T.	.20		
ville *** ..... O				.24	T.					.38																.21				.24	1.50		
ordville ..... O				.38	.02					.51						.04	.61	.30	.01							.66				.12	1.07		
lin ..... G					.56											.12	.24	.01														
a, Lock No 6 ..... K				.52	.05					.60	.52						.72	.14								.60	.06						
ville ..... S					.52	T										.28																
ville ..... S				.45	.05					.66	.09						.70	T.	T.						T.	.60	T.				1.25		
e, Lock No. 5 ..... K				.29	.06					.40	.32					.05	.20	.02				T.			.71	.02			T.	1.22		
mstown L				.54	.18					.34						.01	.65	.02							.74	T.			T.	1.37		
nry, Lock No. 4 ..... G				T.	.03					.40	.36					.55									.64	.04				1.75		
Eastern Division											.57					.04	.61	.30	.01						.75	.05				1.40		
llo C																	.35	.05							.08	.90				.25		
ad ..... O					.43	.18				.16						.08	1.85	.40	.05								.70						
ville ..... K					.17	.28				.17	T.					.06	1.17		T.								.63	.04					
e Hill, Lock No. 11 ..... K				.32	.23	.15				.19						.04	1.55	.16	.15								.80						
ton L					.45	.12				.31						1.60	.15	.01									.80						
ton L					.28	T.				.20						T.	.85	.02	T.								.58				1.87		
rs L					.15						.50						.43	.03	T.						T.	.62	T.			T.			
sburg L					.41	.17				.56							.40								.01	.65	.06			.12			
ock No. 10 ..... K					.28					.38							.91	.15								.78	.04						
on ..... O				T.	.56	.03				.90							.71									.93							
p Dam 35 ..... O					.42		.12			.56						T.	.04	T.	.07	T.					T.	.71	T.						
..... C					.33	.12				.21							.98									.55							
..... K					.14	.82										.01	1.39	T.				T.				.65	.10						
erg, Lock No. 14 ..... E					.81	.12										.18	1.53	.41	.05	.09	.08					.90							
..... K					.28	.17				.20						.12	1.78	.44	.12							.59							
..... K					.37	1.06				.15						.07	1.05	.10	.03							.59							
..... B					.3	.38				.18						.07	1.80	.08	.28	.07						.80							
ester ..... K					.15					.11						.10	1.16	.10								.65							
le ..... O					.32	.01				.90						.22	1.75	.20								.70	.10						
sboro C										.72							.91	T.								.72							
Sterling L				.33	.16	T.			T.	.12						2.38	.47	.72								1.01				.01			
a Dam 35 ..... O					.16	T.			T.							.05	.21	.03	T.											.62			
le ..... R					.02	1.68				T.						T.	.39	.07				T.			T.	.74	.05				.25		
ass ..... K				.10	.51	.18				.20						T.	2.20	.28	.22							.53	T.						
sburg ..... K					.26	.55				.12						1.12	.71	.25	.33						.62	.27						
and ..... K					.41	.25				.29						.04	1.61		.06														
s, Lock No. 12 ..... K					.28	.10				.29					.15	.18	.24	.11														
nd ..... K					.25					.27					T.	1.16	.14	.17								.67	T.						
View, Lock No. 9 ..... K				.04	.65	.05									T.	.89	.03									.83							
rg, Dam No. 32 ..... O					.28	.13				.20						.70									.10							
burg ..... K					.10	1.02				.25							1.86													.02		
sburg C					.40	.23				T.						.20	1.95	.15	.14	.03						.68	.03						
Lock No. 13 ..... K				.05	4.					.15	.67					.25	1.27	.80	.05							.92							
																1.60	.25	.05						.65						.52		

Except as otherwise indicated observations are customarily made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

¶ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland Tennessee; (O) Ohio; (M) Mississippi.

¶ Long Oak

Daily Temperatures for October, 1932.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	82	84	82	77	65	61	67	79	78	78	74	78	78	78	76	71	65	68	82	75	67	69	80	77	78	78	63	64	64	53	59	72.8
	Minimum																																
Calhoun	Maximum	77	79	78	73	55	52	63	74	76	67	65	69	78	78	74	69	66	66	77	70	64	71	77	75	75	71	59	62	68	59	55	68.3
	Minimum	48	54	56	48	47	38	36	44	48	41	41	37	40	46	54	50	51	49	67	58	49	61	76	77	75	77	70	60	62	60	73	56.6
Earlington	Maximum	78	81	82	73	56	56	66	73	78	76	51	69	77	79	76	67	64	67	78	70	61	72	83	85	81	78	63	68	68	52	60	45.9
	Minimum	45	54	58	53	45	38	35	45	47	38	41	36	51	45	51	50	51	50	53	50	36	36	55	47	55	43	38	52	52	50	45	44.3
Greenville	Maximum	76	77	79	69	55	56	66	73	76	73	62	69	74	79	75	67	64	66	79	71	64	76	76	77	77	71	60	64	60	55	58	68.8
	Minimum	45	50	53	51	45	38	31	38	40	44	40	36	40	42	49	52	49	58	59	52	42	33	45	51	46	47	42	37	29	45	43	44.3
Henderson	Maximum	78	79	80	69	60	59	67	74	77	69	67	71	77	79	77	73	66	67	80	73	68	75	77	77	78	76	64	68	64	60	57	70.2
	Minimum	49	52	53	52	46	34	37	43	46	44	37	36	48	47	50	54	60	60	59	51	40	40	52	49	56	46	42	39	34	33	42	45.9
Hopkinsville	Maximum	80	81	81	70	51	60	67	75	78	76	63	71	79	81	74	68	65	67	82	74	68	77	80	77	76	78	69	65	65	46	46	44.5
	Minimum	48	48	53	51	42	33	33	39	42	45	40	33	43	48	54	50	50	49	58	51	36	36	46	47	55	43	34	30	45	36	46	71.2
Lovelaceville	Maximum	77	78	80	71	57	60	69	74	73	75	66	76	77	80	76	70	66	68	81	73	68	77	79	77	74	71	61	68	62	55	60	44.7
	Minimum	52	47	54	51	40	31	33	40	42	45	40	40	46	48	50	50	51	50	53	51	35	37	50	48	47	43	37	31	48	34	42	47.9
Marion	Maximum	66	74	76	69	51	53	65	70	68	70	73	66	76	72	70	73	66	70	73	73	61	65	71	78	71	69	57	69	70	69	69	67.9
	Minimum	50	52	59	51	41	34	38	40	50	42	50	38	54	51	54	56	59	54	52	41	43	47	44	52	50	41	40	42	45	44	49	47.5
Mayfield	Maximum	76	79	80	71	56	58	68	74	79	71	55	70	76	80		76	67	73	80	77	68	77	79	77	78	76	78	80	67	64	56	70.3
	Minimum	54	51	55	52	41	34	36	45	48	44	39	36	46	48		55	58	58	60	56	39	45	78	79	80	78	70	60	68	62	54	58.5
Murray	Maximum	75	80	80	68	56	57	69	73	77	70	48	68	76	77	71	74	67	66	78	75	70	65	78	79	80	78	70	60	68	62	54	70.8
	Minimum	51	49	51	51	42	34	36	39	40	45	39	34	40	45	50	50	50	49	58	50	35	35	43	42	52	40	38	30	45	37	43	44.5
Owensboro	Maximum	73	73	77	76	66	52	65	70	78	69	62	68	72	74	78	79	64	66	73	62	61	71	72	75	72	69	54	61	59	55	48	68.0
	Minimum	44	49	52	51				40	43	42	39	35	46	46	51	56	55	55	61	54	37	36	50	50	54	46	37	36	50	50	54	62	51	48	68.3
Paducah (near)	Maximum	74	78	79	69	52	56	67	72	72	72	52	69	76	78	75	68	65	72	78	74	65	74	78	78	78	76	65	69	70	66	64	62	51	48	46.4
	Minimum	52	53	55	57	41	34	36	45	47	46	46	36	46	47	53	58	60	56	57	52	40	42	57	42	54	48	40	42	40	36	30	55	41	40	45.5
Princeton	Maximum	78	80	81	69	57	60	69	73	78	72	53	71	78	81	78	73	66	70	82	76	68	77	78	77	77	75	69	69	68	60	44	55	69.6
	Minimum	51	50	54	52	42	35	35	41	43	45	41	35	44	45	50	50	60	61	60	53	38	37	49	48	55	42	34	33	44	33	49	45.1
Russellville§§	Maximum	78	75	78	69	66	54	66	78	77	75	49	68	74	78	72	72	62	64	64	77	68	72	74	74	77	76	61	62	62	58	61	46.1
	Minimum	46	52	53	51	46	35	32	42	42	53	59	34	44	44	48	56	56	59	54	55	37	35	49	46	57	44	36	29	40	31	39	
Central Division.																																	
Auburndale	Maximum	72	75	77	66	54	51	62	71	73	72	60	61	72	75	73	66	65	66	70	68	63	72	78	80	77	66	59	60	58	52	56	66.7
	Minimum	41	49	52	49	44	30	32	39	40	46	39	35	46	45	49	54	49	49	52	48	33	34	49	44	53	38	34	28	35	25	42	42.1
Bardstown	Maximum	80	80	84	73	59	58	69	78	81	78	65	68	77	79	77	73	70	68	78	78	73	77	80	81	78	70	59	64	63	55	56	71.3
	Minimum	41	48	49	47	45	36	34	38	43	49	47	36	41	45	50	50	51	49	57	56	36	36	46	45	49	45	36	36	36	28	34	44.3
Bowling Green	Maximum	80	83	82	71	58	63	68	76	79	77	58	72	78	82	74	68	66	66	79	76	66	76	76	80	76	77	61	62	66	58	60	71.9
	Minimum	49	50	53	52	47	37	34	39	44	52	41	34	44	45	52	50	51	51	57	47	39	37	47	49	54	52	37	32	41	33	41	45.5
Dix Dam	Maximum	76	78	80	75	64	58	65	76	78	77	70	64	74	78	78	70	70	68	69	72	62	74	77	78	77	74	63	68	68	63	64	69.4
	Minimum	43	52	51	50	50	34	34	43	46	52	42	38	47	46	48	57	58	58	62	57	40	38	53	49	51	48	41	38	43	30	47	46.2
Fallbank	Maximum	76	77	78	69	55	47	66	76	76	76	65	63	75	76	76	66	65	66	74	63	74	77	79	74	74	66	65	66	63	62	58	68.6
	Minimum	46	46	46	50	38	32	28	39	39	47	46	32	36	40	47	47	48	48	52	49	33	32	49	46	54	46	35	26	34	26	40	41.2
Frankfort	Maximum	78	81	84	73	65	57	67	78	80	77	64	66	78	78	77	70	66	68	70	70	63	74	78	78	78	72	61	60	62	54	55	71.5
	Minimum	48	49	46	53	48	32	32	35	37	44	42	36	41	41	44	54	60	61	60	51	37	36	46	45	49	46	36	36	36	28	34	44.3
Franklin	Maximum	80	83	82	71	58	63	68	76	79	77	58	72	78	82	74	68	66	66	79	76	66	76	76	80	76	77	61	62	66	58	60	71.9
	Minimum	49	50	53	52	47	37	34	39	44	52	41	34	44	45	52	50	51	51	57	47	39	37	47	49	54	52	37	32	41	33	41	45.5
Greensburg	Maximum	63	65	66	53	53	46	60	61	61	61	59	54	60	60	65	64	62	72	75	65	58	58	59	52	58	58	52	50	57	49	41	47	26	47	47.5
	Minimum	60	63	63	52	47	37	35	42	44	48	39	35	46	47	54	53	51	52	54	53	45	45	52	50	55	52	43	33	37	28	40	46	26	46	46.3
Greensburg	Maximum	79	81	82	72	59	58	66	76	77	76	66	67	77	78	76	67	67	69	73	73	68	72	79	75	77	73	61	63	63	57	58	71.1
	Minimum	42	45	46	46	36	29	34	38	46	40	32	30	40	48	58	59	60	60	59	56	36	31	46	45	52	48	33	27	32	28	44	42	24	42	42.2
Irvington	Maximum	73	76	77	69	54	53	63	71	74	71	51	64	71	74	74	68	65	63	73	66	61	70	76	77	76	71	55	59	60	52	53	66.6
	Minimum	45	46	57	54	46	35	36	45	50	47	41	38	49	47	53	57	60	60	61	52	39	36	50	47	54	50	42	40	40	32	50	51	44	47.2
Leitchfield	Maximum	71	78	78	70	55	55	64	72	75	74	64	66	75	75	74	66	67	68	77	68	59	60	60	61	55	58	56	52	49	56	45	48	31	49	30	45	47.4
	Minimum	47	51	55	55	45	35	35	41	44	55	49	35	46	48	58	59	60	60	61	55	38	36	52	49	56	48	34	34	36	28	44	46	28	47	47.5
Lexington	Maximum	72	74	77	65	58	49	62	70	72	72	47	69	73	73	73	68	64	65	65	68	54	70	76	76	74	68	54	66	68	54	51	65	27	38	38	35	41	42.5
	Minimum	55	54	57	51	42	34	40	48	54	48	39	37	47	48	57	58	59	59	50	45	39	44	55	55	57	50	41	38	39	31	39	47	26	30	28	34	37	44.6
Louisville	Maximum	73	76	78	66	52	54	64	72	75	73	59	69	73	76	74	67	66	66	70	68	61	68	72	73	74	69	57	60	60	57	57	68	33	43	43	47	47	47.9
	Minimum	48	55	56	49	41	38	40	45	52	45	43	39	51	46	50	56	58	56	55	50	43	43	54	50	52	42	40	38	42	34	38	46	28	30	28	34	36	44.6
St. John	Maximum	78	79	78	70	56	55	68	75	78	72	60	69	76	78	77	72	68	68	76	75	70	68	70	76	75	69	60	64	60	58	61	70.5
	Minimum	41	48	51	54	45	36	32	40	46	48	40	36	43	45	50	50	50	50	54	50	47	44	50	47	54	50	42	40	38	42	36	44	26	27	27	25	41	42.8
Shelbyville	Maximum	74	77	77	69	57	49	65	73	74	72	55	63	75	72	69	64	62	63	69	71	59	72	77	78	77	67	55	60	59	56	51	66	32	41	41	39	43	45.6
	Minimum	45	49	51	50	46	32	33	41	43	52	40	35	45	46	50	57	59	60	60	59	42	42	52	48	56	46	37	36	36	32	36	46	26	29	29	29	33	44.1
Taylorsville	Maximum	73	75	71	71	61	56	61	68	71	73	60	63	72	71	70	67	66	66	66	61	51	56	81	49	54	49	48	50	50	48	36	58	34	55	46	44	46	46.7
	Minimum	40	46	46	54	47	34	31	36	38	40	42	37	41	41	46	50	50	50	50	47	33	31	46	45	50	46	36	34	36	28	40	46	26	28	28	28	33	40.1
Williamstown	Maximum	78	80	82	76	63	55	68	78	78	70	72	62	75	76	76	72	70	68	68	68	54	65	74	75	78	72	60	66	68	54	55	68	33	36	40	28	40	44.1
	Minimum	45	51	53	53	45	30	33	41	46	48	39	35	45	42	47	54	56	58	58	54	35	34	45	48	51	43	36	30	40	28	40							
Eastern Division.																																	
Ashland	Maximum	78	79	83	79	70	53	63	76	77	75	60	64	75	72	73	68	70	72	70	76	66	67	79	78	80	75	60	67	66	62	75	70.8
	Minimum	47	49	50	50	49	43	36	39	42	45	46	35	43	50	43	45	40	43	62	48	43	47	52	52	50	39	33	36	36	28	45	45.4
Beattyville	Maximum	75	75	80	69	63	51	61	64	67	65	60	62	66	69	62	62	63	61	61	58	56	56	66	65	70	68	58	56	58	50	41	42	28	30	30	30	30	42.8
	Minimum	38	43	44	49	49	38	30	33	36	43	41	34	35	38	43	57	50	51	51	47	37	40	54	52	50	45	38	38	38	30	41	41	26	27	27	27	27	37.1
Berea	Maximum	76	79	81	67	67	53	66	75	76	76	67	65	74	76	76	65	68	68	68	76	66	67	77	77	80	74	58	66	66	64	64	68	30	44	40	38	40	48.0
	Minimum	39	54	55	62	46	38	35	46	50	55	41	36	47	45	53	56	58	58	58	56	36	36	57	55	58	56	36	36	36	28	44	46	26	28	28	28	28	41.6
Farmers	Maximum	76	80	83	80	69	55	67	80	81	76	71	64	77	78	78	72	75	76	76	77	74	75	81	81	81	78	69	64	66	64	64	68	34	46	46	46	46	56.6
	Minimum	56	61	49	48	49	35	38	48	31	36	39	48	31	36	49	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50.0
Harlan §§	Maximum	74	75	78	78	58	56	64	74	72	73	61	63	71	76	76	66	68	68	68	76	68	68	70	78	76	68	62	64	66	64	64	68	30	44	44	44	44	56.6
	Minimum	45	46	49	44	52	40	34	35	42	45	44	35	45	47	48	52	56	56	56	56	36	36	56	56	56	56	36	36	36	28	44	46	26	28	28	28	28	41.6
Maysville	Maximum	60	71	78	66	54	54	60	64	67	66	58	61	68	70	66	62	63	61	61	58	54	57	64	66	67	62	56	58	58	56	56	62	30	42	42	42	42	52.6
	Minimum	42	46	50	52	49	37	31	35	41	44	42	36	42	43	48	52	56	56	56	56	36	36	56	56	56	56	36	36	36	28	44	46	26	28	28	28	28	41.6
Middlesboro	Maximum		76	77	67	63	57	63	72	72	71	68	62	71	74	69	67	68	67	72	70	68	73	71	74	77	72	73	64	66	67	65	65						
	Minimum																																
Mount Sterling	Maximum	78	80	82	67	64	54	63	73	76	76	57	63	76	78	73	60	68	67	70	77	61	69	78	79	80	70	60	66	66	64	66	68	30	44	44	44	44	56.6
	Minimum	40	46	48	52	48	33	31	37	39	46	32	32	39	41	46	46	53	52	58	47	36	32	45	40	49	44	34	29	31	26	37	41.7
Pittsburg	Maximum																																
	Minimum																																
Quicksand	Maximum	77	85	85	73	67	64	66	79	79	78	68	65	76	78	69	65	66	66	69	66	66	66	68	68	68	66	66	66	66	66	66	68	30	44	44	44	44	56.6
	Minimum	53	43	42	47	47	40	39	44	37	40	44	39	38	46	47	55	56	56	56	56	36	36	56	56	56	56	36	36	36	28	44	46	26	28	28	28	28	41.6
Richmond	Maximum	74	75	78	80	65	52	60	64	76	76	70	62	68	74	74	68	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	68	30	44	44	44	44	56.6
	Minimum	46	49	55	50	52	35	36	45	51	56	49	36	46	47	53	56	56	56	56	56	36	36	56	56	56	56	36	36	36	28	44	46	26	28	28	28	28	41.6
Williamsburg	Maximum	76	76	76	76	70	56	70	76	76	76	70	66	76	76	76	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	30	44	44	44	44	56.6
	Minimum	82	56	39	39	85	33	35	40	37	82	35	34	38	41	49	50	50	50	61	60	57	50	50	49	48	46	45	45	40	32	36	46	26	28	28	28	28	41.6

§§ Temperatures are read in the morning; the maximum temperature thus read is charged to the preceding day, on which it almost always occurs.

* Missing. † Incomplete record. ‡ 1, 2, 3 etc., days missing from record.

A. P. C. Section Director.

551.05
UNIE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

UNIVERSITY OF ILLINOIS

13 KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVII LOUISVILLE, KY., NOVEMBER, 1932 NO. 11

GENERAL SUMMARY.

Although temperatures varied considerably and changes were frequent, the month averaged unseasonably cold. On a few days early in the month grass and winter grains continued to grow slowly, but after the 10th frequent freezes soon brought them out a dormant condition. Barley and rye, which had been sown early, attained a fair size; but most wheat, retarded by the cold weather and lack of sunshine, remained rather small. Stands and general condition, however, were usually excellent. Pastures continued fairly good but diminished through the first decade, after which they soon assumed a winter aspect. Occasional snow, frequent hard freezes, and cold winds in the last half caused livestock to require heavy feeding and the usual winter protection.

Precipitation was light in most sections, but its frequency interfered with corn gathering and other outdoor work. Some husked corn was damaged by this persistent dampness and the delay in gathering caused by wet fields. The soft soil and the high winds caused standing corn to fall to a considerable extent, with injury to ears. The rainy spells of the first three weeks favored tobacco stripping, which progressed more rapidly because of inability to gather corn. The strong, cold winds of the last week halted this work; but the resulting hard freezes favored the moving of corn and fodder from fields otherwise too soft, without damage to winter grains. Despite the frequent rains soil moisture rarely became excessive. In this respect corn fields were in good condition for entry into winter.

TEMPERATURE.

Except for a short period of comparatively warm weather early in the month, temperatures below the seasonal average prevailed. In the second and third decades temperatures on several days averaged 10 to 20 degrees below normal, and freezes of moderate severity were rather frequent. As a rule the lowest temperatures occurred on or near the 27th and ranged from 15° to 20°. The extremes were 7° at several stations in the period 7-11th, and 11° at Quicksand on the 28th.

PRECIPITATION.

Precipitation averaged considerably below normal, and the distribution was quite irregular. It was heaviest and generally near normal in the northern blue grass region and some southwestern counties, where it ranged from 3.0 to 4.0 inches. In the middle section, most of the western division, and the eastern mountain region it varied usually between 1.0 and 3.0 inches. Several north-central and south-central counties received less than 2.0 inches. The principal periods with rain were: 1st, 5-11th; 16-20th, and 22d-26th. A few heavy rains occurred on the 1st and 15th, but amounts were generally light to moderate. For the entire month amounts varied between 0.16 inches at Hippapass and 7.06 inches at Franklin, an excess of 1.0 to 6.9 inches was reported from most western stations, but in other sections it ranged from a trifle to 0.5 inch. Thunder-storms were reported [illegible]

MISCELLANEOUS.

Rivers.—Streams were [illegible] ...ns, and remained mostly at [illegible] stage.

PRESSURE AND WIND.

Stations.	Atmospheric Pressure (Barometer reduced to sea-level.) Average.	Highest.	Date.	Lowest.	Date.	Wind. Total Movement.	Mean Velocity.	Highest Velocity.	Direction.	Date.
Cairo ..... Ill.	30.19	30.69	28	29.67	8	4426	6.2	35	N	28
Cincinnati ..... Ohio	30.23	30.81	28	29.65	8	5163	7.2	36	NW	28
Evansville ..... Ind.	30.21	30.74	28	29.64	8	6245	8.7	35	NW	28
Louisville ..... Ky.	30.23	30.75	28	29.67	8	5445	7.6	36	NW	28
Parkersburg ..... W. Va.	30.22	30.76	28	29.66	8	2114	2.9	32	NW	28

*Mean and Low departure period. †Elk Lick and Charleston, corrected to [illegible]

HUMIDITY AND SUNSHINE.

Stations.	Mean Relative Humidity. 7 a. m.	Noon.	7 p. m.	Sunshine. Total Hours of Sunshine.	No. of hours possible.	Percentage of possible.	Number of clear days. 60 per cent or more.	20 per cent or less.
Cairo ..... Ill.	82	61	87	144.1	595	24	12	13
Cincinnati ..... Ohio	84	69	88	168.7	591	29	10	9
Evansville ..... Ind.	86	69	87	145.4	588	25	11	11
Louisville ..... Ky.	82	61	87	153.6	588	26	11	11
Parkersburg ..... W. Va.	78	54	76	123.9	563	22	8	13

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature. Mean.	Departure from 40 years' normal.	Highest.	Lowest.	Precipitation. Monthly average.	Departure from 40 years' normal.	Average Number of Day. No. of days with .01 in. or more rain.	Clear.	Partly cloudy.	Cloudy.	Average Hourly Velocity of Wind.
30-year	46.4	....	83	— 9	3.87	.....	8	13	6	11	7.6
1889	49.1	+ 2.7	80	16	5.04	+ 2.45	...	...	...	...	...
1890	50.6	+ 4.2	81	19	4.85	+ 1.98	...	...	...	...	...
1891	46.3	— 0.1	80	10	6.34	+ 3.47	...	...	...	...	...
1892	47.3	+ 0.9	78	12	3.39	— 0.48	...	...	...	...	...
1893	43.7	— 2.7	73	8	2.72	— 1.15	...	...	...	...	...
1894	48.3	+ 1.9	82	16	4.52	+ 0.65	...	...	...	...	...
1895	47.6	+ 1.2	81	16	3.72	— 0.15	10	13	6	11	...
1896	47.8	+ 1.4	80	12	3.60	— 0.27	10	12	7	11	8.5
1897	45.2	— 1.2	77	11	1.70	— 2.17	7	16	6	8	7.4
1898	46.0	— 0.4	80	11	3.70	— 0.17	11	11	6	13	7.6
1899	46.1	— 0.3	79	14	3.87	0.00	8	13	6	11	7.6
1900	46.1	— 0.3	82	14	4.12	+ 0.25	9	15	5	9	7.4
1901	47.7	+ 1.3	82	15	3.61	— 0.26	8	14	7	9	7.1
1902	46.1	— 0.3	81	11	3.98	+ 0.11	11	11	6	13	7.6
1903	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1904	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1905	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1906	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1907	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1908	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1909	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1910	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1911	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1912	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1913	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1914	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1915	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1916	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1917	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1918	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1919	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1920	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1921	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1922	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1923	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1924	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1925	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1926	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1927	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1928	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1929	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1930	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1931	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6
1932	46.1	— 0.3	79	11	3.98	+ 0.11	11	11	6	13	7.6

Climatological Data for November, 1932.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	28	45.5	−1.4	76	7	19	28	39	2.74	−0.44	0.45	0	13	13	5	12	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	28	44.6	−3.6	71	7	23	22†	34	2.93	−0.53	0.66	2.5	13	8	8	14	ne.	W. A. Taylor.
Carlisle	McLean	420	42	44.2	−3.6	72	7	20	28	37	2.76	−1.22	0.55	3.5	13	13	4	13	n.	Brick Southworth.
Carlington	Hopkins										3.22		0.79	4.5	10					W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	356	3																	C. R. Lovell.
Greenville	Muhlenburg	519	15	44.2	−3.6	74	6	19	28	36	1.94	−2.05	0.63	0	12	11	18	1	s.	Richard Stites
Henderson	Henderson	382	18	43.7		73	7	22	22†	33	3.47	−0.77	1.00	4.9	11	13	6	11	n.	W. S. Graves.
Hopkinsville	Christian	521	46	45.4	−3.1	72	6†	20	13	37	3.23	−0.89	0.88	T.	11	11	2	17	se.	Blaine Malone.
Madisonville	Hopkins		3	43.0		75	7	20	13†	37	2.63		1.00	2.0	6	16	1	13	s.	B. C. Paris.
Loretto	Marion															10	9	11	e.	Sisters of Loretto
Marion	Crittenden	571	34	44.2	−4.1	70	8	21	21†	46										Mrs. C. R. Sowell.
Mayfield	Graves	364	25	43.6	−5.2	75*	7	22‡	24†	38	2.88	−1.21	1.95	0	3	17	0	13	se.	Harry B. Arnold
Murray	Calloway	412	6	43.4		75	7	19	13	43	2.52		0.88	3.3	6	18	5	12	s.	Henry S. Berry.
Owensboro	Daviess	479	35	42.8	−4.4	69	7	22	13	33	2.48	−0.98	0.62	T.	8	11	4	15	ne.	George McGlemary.
Owensboro	Daviess	404	4								2.54		0.91	2.1	12					J. W. Lilley
Owensboro, Dam 46	Daviess										2.92		0.87	2.7	10	16	2	12	nw.	Frank L. Brown.
Paducah near	McCracken	316	15	43.6	−4.4	71	7	23	27†	34	3.02	−1.01	1.40	1.0	7					Dr. W. L. Cash.
Paducah	McCracken	341	43								2.69	−1.35	0.59	2.0	8	13	5	12	n.	Thos. L. Wetzell.
Princeton	Caldwell	529	25	43.8	−3.1	72	7	21	13	35	2.93	−1.02	0.54	2.5	9					Wm. Shelton.
Ramsey, Lock 2	Mclean	384	13								2.87	−2.77	0.31	0	5	17	4	9	s.	Earl Holder.
Russellville	Logan	590	21	41.8	−5.5	77	6	20	27	28	2.70		0.65	1.0	11					
Uniontown, Dam 49	Union	357	4																	C. L. Moore.
Central Division.																				
Addison, Dam 45	Breckinridge	352	4								2.74		0.84	0	12					C. E. Berret.
Anchorage	Jefferson	760	31	41.8	−2.6	74	8	17	22	33	1.73	−1.39	0.66	T.	7	16	0	14	ne.	Mrs. Emily T. Sisco.
Bardstown	Nelson	637	35	44.6	−2.1	74	8	17	28	39	2.59	−0.79	1.00	T.	10	15	6	9	e.	Mrs. Lillie G Causey.
Bowling Green	Warren	500	43	45.9	−1.7	75	7	20	28	38	2.24	−1.57	0.65	T.	9	13	9	8	w.	T. Rone
Bowling Green, No. 2	Warren	469	7								1.93		0.59	T.	9					Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	510	15								2.92		1.43	0.5	11					T. A. Lewis
Burnside	Pulaski	755	41								4.66	+1.14	1.73	T.	6					Shelby Angel.
Carrollton, Lock 1	Carroll	422	23								3.44	+0.26	1.27	0	7					Reuben Hartley.
Cold Spring, Dam 36	Campbell	483	6								3.04		1.54	0	7					C. W. Williams.
Dix Dam, Herrin	Mercer	770	8	45.2		76	7	20	28	32	2.19		0.88	T.	9	14	4	12	sw.	Mrs. Katie Payne.
Eubank	Pulaski	1177	38	43.7	−1.4	78	7	17	28	37	1.80	−1.84	1.07	0	3	13	9	8	s.	Sidney Wood.
Frankfort	Franklin	560	40	43.7	−2.4	73	8	16	28	38	4.07	+0.81	1.32	T.	9	13	4	13	s.	M. E. Johnson.
Franklin	Simpson	691	37	46.6	−3.2	78	7	20	28	39	1.84	−1.81	0.67	0	11	14	10	6	se.	Louis Shiddell.
Gest, Lock 3	Henry	449	21								3.93	+0.81	1.72	0	11					H. W. Sprague.
Grant, Dam 38	Boone	789	7								2.89		0.82	0	7					
Greensburg	Green	581	29	43.8	−1.4	76	7	15	28	41	1.87	−1.84	0.39	T.	11	7	2	21	n.	Mrs. Bettie K. H. Alcorn
Hitt. Bridge, Lock 7	Jessamine	550	39								3.02	−0.15	1.00	0	11					Miss Bobby L. Simpson.
Irvington	Breckinridge	646	34	44.2	−2.4	71	7†	22	27†	28	1.36	−1.99	0.60	T.	9	13	2	15	sw.	W. J. Pigeott.
Lancaster	Garrard	1032	6								2.59		1.05	0	7					John Anderson.
Lanes Landing	Grayson	635	36	44.1	−2.4	74	7	20	28	38	1.81	−2.15	0.38	0	11	12	9	9	sw.	H. H. Willis.
Lawrenceburg	Anderson	780	48	42.6	−2.2	70	7	18	27	30	2.09	−1.29	0.66	0.4	12		7	11	s.	U. S. Weather Bureau
Lexington	Fayette	989	48								3.23	+0.08	1.15	0	4					Horace Canter.
Little Hickman, Lock 8	Jessamine	523	21								1.98	−0.88	0.81	T.	4					Frank Litch.
Lockport, Lock 2	Henry	476	22								1.91	−1.70	0.70	T.	10	9	6	15	s.	U. S Weather Bureau
Louisville	Jefferson	525	59	43.0	−3.7	74	8	22	27	35	3.10		0.83	0	9					A. G. Hubbard.
Loretto	Marion	630	9								2.50	−0.91	0.90	0.3	8	20	6	4		Sisters of Loretto
Madisonville	Hardin	777	36	42.7	−3.0	73	7	19	13	39	3.97	+0.78	1.25	T.	7					Erin st M. Searce.
St. John	Mercer	490	18								2.27	−1.27	0.47	T.	12	14	2	14	ne.	Miss Ruth Batta.
Salvisa, Lock 6	Mercer	825	43	42.8	−1.7	72	7	19	28	28	2.11	−1.22	0.54	T.	11	13	3	14	n.	L. P. Bourne.
Shelbyville	Shelby	783	30	43.2	−1.6	71	8	18	28	38	2.43	−0.25	0.95	T.	8					H. K. Vaughn.
Taylorsville	Spencer	526	14								3.20	+0.50	0.82	T.	13	13	8	9	e.	Mi-s Nettie B. Simpson.
Tyrone, Lock 5	Anderson	948	29	42.8	−2.8	77	7	16	22†	34	3.26	−1.46	0.75	1.2	10					H. J. Lewis.
Williamstown	Grant	533	15								2.62									
Woodbury, Lock 4	Butler																			
Eastern Division.																				
Annville	Jackson	534	15	44.9	−2.0	76	8	16	28	35	2.05		1.03	T.	10	15	6	9	ne.	W. A. Worshington.
Ashland	Boyd	650	28	43.8	−1.1	76	8	14	28	49	2.68	−0.90	0.87	T.	10	17	0	13	se.	Jacob Armbruster.
Beattyville	Lee	1070	27	45.1	−2.2	74	7†	19	22†	31	2.78	−0.18	0.85	T.	10	10	2	11	n.	Robert S. Smallwood.
Berea	Madison	691	22								2.56	0 60	0.90	0	8	16	5	9	e.	Chas V. Graham.
College Hill, Lock 11	Madison	684	14								2.89	−0.27	1.10	T.	8					Kelly Walden
Dyndsaw	Harlan	690	14								3.95	+0.63	1.40	T.	9					C. E. Kehoe.
Falmouth	Pendleton	668	24	44.3	−0.8	77	9†	14	28	42	3.98	+0.70	1.29	T.	11					J. V. Oldham.
Farmers	Rowan	940	15								2.82	−0.24	0.91	0	10	9	11	10	e.	Mrs. B. F. Stamper.
Flemingsburg	Fleming	841	7								3.77		1.19	T.	6					C. A. Glascock
Ford, Lock 10	Clark	503	16								3.22	+0.09	1.19	0.1	7					John s. Walters.
Grayson	Carter	580	7								1.67		0.97	0	3					Eng. Frank Towers
Greenup, Dam 30	Greenup	540	12								2.40	−1.17	0.88	0	13					T. Mitchell.
Harrodsburg	Mercer	1107	4	44.7		76	7	15	28†	37	3.30		1.20	T.	9	13	3	14	sw.	W. W. Duffield.
Harlan	Harlan	1309	8								2.14		0.87	T.	9					Chas. O. Brig.
Hazard	Perry	1000	8								2.66	−1.40	0.74	0	7					S. C. Cole.
Hendricks	Lee	1506	7								2.58		0.64	0	10					R. R. Davidson.
Jenkins	Letcher	1300	2								2.45	−0.82	1.05	T.	8					Russian Copley.
Louisa	Lawrence	554	28								1.81	−0.75	1.12	0	6					Jeanett H. White.
Manchester	Clay		12								3.45	−0.63	1.45	T.	11	13	3	13	sw.	Perry E. Bennett
Maysville	Mason	533	25	41.2	3.5	70	8†	15	28	28	3.14	−0.29	1.32	0	5	13	17	0		Matthew Woodson
Middlesboro	Bell	1128	26			73*	7	14	28		2.43	−1.66	0.76	T.	9					W. H. McKee.
Mount Sterling	Montgomery	920	42	43.3	0.7	75	8	16	27	35	3.56	+0.03	1.47	0	9					Otto Riddle.
Owensboro, Dam 45	Campbell	447	7								2.98	−0.29	0.81	0	6					Robert Repass
Pineville	Bell	1026	25								1.16		0.36	T.	8	18	1	11		W. W. Summerfield.
Pippapass	Knott	1685									2.29		0.93	0	6					R. C. Hall.
Prestonsburg	Floyd	649	7								3.01		1.16	T.	7					R. W. Jones.
Quicksand	Breathitt	772	6	44.1		75	7	11	28	48	2.79	−0.40	1.00	0	5					Walter P. Bush.
Ravenna, Lock 12	Estill	651	14								4.19	+1.03	1.63	0	9	16	5	9		J. W. Crooke.
Richmond	Madison	956	41	45.0	2.0	77	8†	18	27	39	3.07	−0.61	0.88	0	11					Thos. Sullivan.
Salyer Creek, Lock 9	Madison	841	16								2.98	−0.72	1.10	0	8					H. M. Dansie.
Vanceburg, Dam 32	Lewis	492	17								2.27		0.93	0	6					G. H. Zimmerman.
Whitesburg	Letcher	1142	7								3.59	+0.48	1.35	0	7	6	21	1	8	H. F. Davis.
Williamsburg	Whitley	970	33	42.2	−3.1	74	7†	16	28	45	1.96	−2.22	0.80	0	7					Cleveland Angel
Willow Lock 13	Lee	611	13								2.71	−0.86	1.95	0.4	9	14	5	11	n.	
State averages and extremes				43.8	−2.6	78	6†	11	28	49										

A temperature value of 0 indicates that self-registering thermometers
The normals, means, departures and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are
The symbol (—) indicates missing data. Dashes in the precipitation columns indicate that no measurement was possible, either because the gage was frozen or because the snow or sleet had not melted sufficiently to be measured.
and in the snowfall column that the depth of snow was not measured, although it is known that snow fell.
Dashes in the columns headed "Number of days" indicate that the record is incomplete or that the data are not available.
Dashes in the column headed "Prevailing direction of wind" indicate that the record is incomplete, that the data are not available, or that the wind was variable.
Dashes in the column headed "Observers" indicate that no observer's name has been received.
* Also on one or more other dates. † Occurred on date to be included in means and summaries. ‡ Precipitation is less than 0.01 inch.
Stations not appearing in this table include: Bowling Green, Ky.; Lock 4, Versailles, Ky.; Lock 5, Nicholasville, Ky.; Lock 10, Reed House, Ky.; Scott, Independence, Ky.
Owensboro, Paducah, Ky.

Errata.

Lock 1, Carrollton, number of rainy days should be 7 and cloudy 7. Eubank, maximum temperature should be 97; Franklin, mean temp
Lock 6, Lawrenceburg, Ky.; Lock 8, Versailles, Ky.; Lock 9, Nicholasville, Ky.; Lock 10, Reed House, Ky.; Scott, Independence, Ky.
Owensboro, Paducah, Ky.

Daily Precipitation for November, 1932.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
enver Dam ..... G	.15			.05	.15	.05		.40	.35						.35	.45		.20	.25				.05	.35	.05						
lbion ..... G	.03			T.	.03	.27		.60	.95	T.	.30	T.			.04	.51		.11	.43				.24	.22	.63						
rlington ..... G	.02			T.		.38		.48	.01	.02	.30				.02	.65		.16	.42				.18	.96	.02						
rds Ferry, Dam 8 ..... O	.08				.01	.17			.46		.74					.75	.04		.26				.07	.55							
eattville ..... G	.03			.03	.12	.05		.25			.28				.02			.20	.21				.12	.18	.05						
nderson ..... G	.05					.04	.17	.05			.30				1.10	1.00	.02	.25	.23				.43								
rdensville C	.88			.01	.30	.04		.37			.20					.59		.32	.17				.11	.14	T.						
rmstrong ..... M						.28		.05	1.00							.85		.15					.33								
rlington ..... O																															
ayfield ..... M							.88	.05																							
arney ..... T				T.	T.	T.		.28		T.	.48				.12	.45	T.	.58						1.68							
ewsboro ..... O				T.	T.	.05		.62			.30				.02	.15		.40	.48				T.	.41	T.						
ewsboro, Dam 46 ..... O	.71				.02	.02	.02		.62		.13	.01				.45	.01	T.	.17	T.			.01	.46							
dcraft (near) ..... O	.05					.35		.02		.25	.87				.30	.58			.26				.13	.08							
ldwell ..... O	.32			T.		.30	.12	T.	T.		1.01					.75			.18				T.	.29							
ncroft ..... O				T.	.50			.37		.36					.32	.25	T.	.45					.35	T.	.01						
nney, Lock No. 2 ..... G	.47				.02	.15	.08		.54		.39					.48			.43					.41							
ssellville ..... O					.12	.02		.31	.15						.27																
nutown, Dam 49 ..... O	.31				T.	.02		.53		.65	.03				T.	.69	.04		.05	.15			.07	.25							
Central Division																															
Mison, Dam 45 ..... O	.84				.57	.09	.05		.32		.22	.65				.45	.01		.42				.01	.26		T.					
ncerage ..... O				T.	.01	T.			.26	T	.04				.10	.66			.41				.22		T.						
derson ..... S	.17				.24			.04	.23						.19			1.00	.26				.08	.23	.18						
rding Green ..... G	.60				.19	.06										.80		.05	.15					.32	.04	T.					
rding Green, No. 2 ..... G	.59				.11	.02		.29			.22					.26			.31					.62	.12						
rrowville, Lock No. 6 ..... K	.66				.27	.10		.39			.18	.05				.44			.70					.12	.14	.03					
rnstadt C	1.73				T.			.35			.05	T.				T.	T.		1.15	T.					.35	.33			T.		
rton, Dam 4 (Lock No. 1) ..... K	1.27							.55			.18					.74	.14		.55				.21								
ld Spring, Dam 36 ..... O	1.54				T.	T.	T.	.50	T.		.16	T.	T.			.66	.08		.53				T.	.15					T.		
Y Dam, Barge n ..... K				.18	.04			.88		.06					.28			.03	.02				.05		.04						
Bank C									.07	.09																					
nkford ..... K	1.82				.45			.50			.05	T.				.41	T.		1.03					.26	.06	.03					
nklin ..... G	.03			.10	.06			.10	.30						.10	.35	T.	.21	.15					.67	.04						
ss, Lock No. 3 ..... K	1.72				.10	.01			.18		.02					.28	.02	.67	.17				T.	.20					T.		
ank, Dam 3 ..... O	.75				T.	T.	T.		.30		.15	T.				.47	.01		.75					.28	.02	.05					
ensburg ..... G	.01				.25				.02		.10	.01				.82	.12		.55					.06	.08						
ge Bridge, Lock No. 7 ..... K	1.00				.16	.04			.02							.24		.27	.30					.01	.06	.17					
rington ..... O	T.			T.	T.	.07		.27		T.	.07					.30	.01		.58	.02				.06	.08						
negster ..... K															.06	.60		.05	.12				.07	.60	.06						
dfield ..... G	.26			T.	.17	T.		.03	.30	T.	T.				.10	.55	T.	.21	.15					.16	.22						
rington ..... K				.10	.06			.12	.46	.02	T.	.01				.46	T.	.57	.09				.05	.15	.10						
gh Hickman, Lock No. 8 ..... K	1.15				T.	T.			.35		T.					.31	T.		.82				.01	.05	.13				T.		
rkport, Lock No. 2 ..... K				T.	T.			.43			T.									.81				T.	T.						
RSVILLE ..... O				T.	T.	.04		.32	.01	.05	.18	T.			.30									.26	T.						
nfordville ..... G	.70				.12			.70	.16						.18	.57		.36	.02				.23	T.							
dia ..... S		.20			.20				.90		.03					.86			.83					.10	.05	.08					
yerville ..... S	1.25				.29						.70	T.			.18	.35		.46						.15	.22						
rsville ..... S	.24				.04				.21		.16				.10	.37			.60	T.				.10	.15						
rone, Lock No. 5 ..... K	.20			.02	T.			.17		.13	T.				.10	.45	T.	.24	.47				.05	.21	.05	.02					
Chestown L	.81				.20				.64		T.					.31	T.		.29	.54			.22		.02						
sbury, Lock No. 3 ..... G	.75			.02	.10			.02	.80		.10				.05	.51		.23	.65				.18								
Eastern Division					.32	.03		.48		.12	.10					.21	T.	T.	.42					.28	.08				.02		
nville C	1.03				.03	.01		.63	.08			T.				.02	.08		.89	T				.11	.06	T					
gland ..... O	.70				.03			.22	.18	T.						.76	.41		.87	.16				.02	.23						
yville ..... K	.85				.03	.02		.78		.05					T.	.75	.01		.75	.03				.01	.02						
on ..... K	.88				.29			.90		.12						.22	.02	.19	.80						.17						
ne Hill, Lock No. 11 ..... K	1.10			T.	.08			.70	.10	T.						.24	T.		.65	.03				T.	.03						
dson L	1.46			.20	T.			.70		T.						.45	.05		1.03		T.			.05	.04	.03			T.		
mouth L	1.20			.39	.01			.60		.05	.01	T.				.51	T.		.91					.15	.05	.01					
mers ..... K	.91			.06				.57	.07	.03						.16	.10		.88					.05	.04						
d, Lock No. 10 ..... K	1.19				.05	T.		.71		.08	T.	T.			.48				1.05						.15						
yson ..... O																.25	T.	T.	.98	T.				T.	.01				T.		
camp, Dam 39 ..... O	.50				.06	.04		.18	.19	.03	T.	.02				.34			.97												
ton ..... O	.82				.02	.08		.50		.03	T.					.05	.84		.88	.06				.04		.01					
dsburg, Lock No. 14 ..... K	.24				.07			.38		.06	.04	.05					.23		1.20						.10	.30					
kins ..... K	.58					.02		.78		.10						.76			.87							.28					
ton ..... K	.36				.01			.63	.18		.09					.03	.12		.74							.20					
nchester ..... K	.20							.30	.10		.02					.19			.64	.12						.05	.05				
sville ..... O	1.45									.12						.20			1.08	.07						.15					
Chester ..... O	.22					.02		.37	.12	.01	T.	T.				.11	.21	1.12								.05					
nd Sterling L	.04				.10			.02								.46	.14		.95	.02				.12		.05					
nte Dam 35 ..... O	1.47				.03	T.		.56	.02	.10	T.	T.				.50	T.	.30	.70						.09						
ville ..... K	.48							.52	.25							.57	.05		.60					.16		T.			T.		
passs ..... K	.22				.03	T.		.36		.04	T.					.07	T.	.15	.81	.28						.08					
sburg ..... K	.43							.85									.38		.93	.09						.05					
sand ..... K	.41							.59		.11	T.						.25	1.16		.12						.11					
nna, Lock No. 12 ..... K	1.46				T.	T.	T.	.63	.19	T.	T.				T.	.15			.86							.29					
mond ..... K	1.03					.10		.37		.12	.03					.25	.02		1.10					T.	.05						
View, Lock No. 7 ..... K					.03		.08		.07	.07	.03				.47	.10		.93	.04				.26	.15							
eburg, Dam No. 32 ..... O	1.10				.12			.16	.20		.09						.25		1.00					.07							
esburg ..... S	.42	.02				T.		.55	T.	.05						.10	.22		1.35						.10	.20					
hamsburg ..... O	.23				.05			.07		.20						.18		.80	.08						.32						
ow, Lock No. 13 ..... K					.05			.80		.08																					

Except as otherwise indicated observations are normally made at 8 a.m., and precipitation recorded is for the 24 hours ending at the time of observation.

Reference mark (*) Rain or Wet-bucket observation; precipitation is for the 24-hour period, ending at midnight.

(†) Precipitation measured in the morning since preceding observation; period is for two preceding 24 hours. (‡) Precipitation included in the next following measurement.

Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

(1) Lone Oak.

Daily Temperatures for November, 1932.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	58	65	69	65	61	68	78	71	52	60	54	45	58	63	62	59	46	45	48	59	61	55	52	50	66	57	41	54	56	60	...	57.5
	Minimum	38	27	30	49	35	55	44	37	38	31	32	26	21	28	46	31	30	35	36	29	29	29	31	28	37	37	36	23	19	22	26	33.5
Calhoun	Maximum	52	63	67	64	59	66	71	68	61	56	48	39	51	63	59	64	37	37	36	59	57	52	49	49	59	58	40	49	54	59	...	54.0
	Minimum	36	29	30	45	36	51	40	45	38	34	32	26	23	38	47	30	31	33	30	30	31	25	42	35	40	35	24	28	33	37	...	35.1
Harrington	Maximum	51	62	67	68	60	67	72	66	61	55	51	40	51	60	58	56	36	37	37	58	54	50	47	48	58	54	39	48	53	57	...	54.1
	Minimum	34	28	30	43	35	45	41	42	38	31	32	27	22	40	48	29	27	32	29	28	28	22	40	37	33	33	23	20	22	26	...	54.3
Greenville	Maximum	54	63	69	65	60	72	76	72	69	54	56	50	41	51	60	58	50	46	47	58	55	54	51	49	64	62	40	50	53	58	...	55.5
	Minimum	34	27	29	43	34	53	48	42	36	29	31	24	26	34	46	28	26	32	29	25	29	21	38	38	38	34	22	19	23	32	...	33.0
Henderson	Maximum	58	68	69	69	66	69	73	66	62	55	49	38	48	64	64	56	46	46	47	60	60	56	52	47	59	57	39	49	54	59	...	55.6
	Minimum	38	32	34	48	38	52	54	46	42	37	33	25	25	40	48	30	30	34	30	26	30	29	32	30	40	34	28	29	33	31	...	33.8
Hopkinsville	Maximum	56	65	71	67	66	72	72	67	65	58	56	44	56	64	60	59	40	39	40	61	57	55	52	48	67	56	45	55	57	64	...	57.2
	Minimum	38	28	37	48	34	54	46	42	34	33	32	25	26	34	42	34	27	31	32	29	27	24	38	36	41	38	22	21	27	27	...	32.6
Lovelaceville	Maximum	54	64	71	68	62	68	75	68	54	54	46	42	56	64	60	43	38	39	38	60	58	54	48	45	58	57	38	47	53	58	...	54.4
	Minimum	34	27	35	42	30	52	48	40	38	30	25	20	30	36	38	26	24	29	28	27	31	28	35	30	38	37	23	22	22	25	...	30.9
Marion	Maximum	61	67	69	64	60	64	61	70	61	56	52	51	55	60	62	61	34	36	36	58	58	55	53	51	61	58	41	49	51	59	...	56.5
	Minimum	38	33	37	45	35	53	50	48	35	33	32	26	25	33	46	30	30	32	30	28	28	23	32	31	32	32	23	23	26	28	...	33.1
Mayfield	Maximum	57	61	63	64	61	67	76	72	67	59	57	53	47	61	59	57	35	40	55	54	50	51	53	52	60	60	40	48	50	54	...	54.4
	Minimum	42	33	34	37	36	48	46	46	36	36	33	30	26	33	43	33	33	36	34	33	36	31	38	38	45	38	28	29	33	36	...	36.5
Murray	Maximum	62	68	69	71	63	71	78	72	63	59	49	43	47	60	62	59	38	39	42	59	58	55	52	49	64	62	40	47	50	57	...	56.2
	Minimum	36	26	34	37	41	37	43	51	33	30	30	26	30	34	47	28	26	32	30	28	28	23	32	30	36	32	21	22	26	28	...	31.6
Owensboro	Maximum	56	64	66	66	60	69	75	70	57	55	51	45	55	63	61	57	37	38	39	58	57	54	51	48	59	58	39	48	52	58	...	54.4
	Minimum	38	28	37	43	34	52	48	43	36	30	29	25	27	32	44	28	29	31	29	29	29	23	37	34	37	36	22	23	25	29	...	32.9
Paducah (near)	Maximum	59	64	68	67	57	69	74	68	58	54	51	50	58	62	60	58	50	48	50	62	60	58	56	52	62	61	43	51	54	58	...	56.5
	Minimum	36	30	33	41	37	52	50	48	35	33	32	27	26	32	42	30	30	34	32	31	32	30	36	33	35	42	32	31	32	36	...	34.1
Princeton	Maximum	57	61	63	64	6	67	76	72	67	59	57	53	47	61	59	57	35	40	55	54	50	51	53	52	60	60	40	48	50	54	...	54.4
	Minimum	42	33	34	37	36	48	46	46	36	36	33	30	26	33	43	33	33	36	34	33	36	31	38	38	45	38	28	29	33	36	...	36.5
Russellville	Maximum	62	68	69	71	63	71	78	72	63	59	49	43	47	60	62	59	38	39	42	59	58	55	52	49	64	62	40	47	50	57	...	56.2
	Minimum	36	26	34	37	41	37	43	51	33	30	30	26	30	34	47	28	26	32	30	28	28	23	32	30	36	32	21	22	26	28	...	31.6
		56	64	66	66	60	69	75	70	57	55	51	45	55	63	61	57	37	38	39	58	57	54	51	48	59	58	39	48	52	58	...	54.4
		38	28	37	43	34	52	48	43	36	30	29	25	27	32	44	28	29	31	29	29	29	23	37	34	37	36	22	23	25	29	...	32.9
		59	64	68	67	57	69	74	68	58	54	51	50	58	62	60	58	50	48	50	62	60	58	56	52	62	61	43	51	54	58	...	56.5
		36	30	33	41	37	52	50	48	35	33	32	27	26	32	42	30	30	34	32	31	32	30	36	33	35	42	32	31	32	36	...	34.1
		57	61	63	64	6	67	76	72	67	59	57	53	47	61	59	57	35	40	55	54	50	51	53	52	60	60	40	48	50	54	...	54.4
		42	33	34	37	36	48	46	46	36	36	33	30	26	33	43	33	33	36	34	33	36	31	38	38	45	38	28	29	33	36	...	36.5
		62	68	69	71	63	71	78	72	63	59	49	43	47	60	62	59	38	39	42	59	58	55	52	49	64	62	40	47	50	57	...	56.2

51.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

38 KENTUCKY SECTION.

JAMES L. RANDALL, Meteorologist.

Vol. XXXVII LOUISVILLE, KY., DECEMBER, 1932 No. 12

GENERAL SUMMARY.

The temperature averaged near normal, but exhibited extraordinary variations. Following the warm week at the beginning, a change to colder finally culminated in severe weather with zero temperatures on the 16th. Another warm wave that entered about the 24th brought spring-like weather. The resulting thaw softened the ground so that corn and fodder could not be moved from fields, and hauling tobacco over the dirt roads became difficult. Winter grains made some growth in the first week, after which they became dormant. The severe temperatures in the long cold spell, attended frequently by considerable wind, caused livestock to suffer and affected milk production.

Except near the end of the month, precipitation occurred frequently but in small amounts. The soil was never saturated, therefore the freezes caused practically no lifting of grains. Atmospheric moisture, except in the cold spell, was sufficient to condition Burley tobacco for stripping and handling; but dark tobacco could rarely be handled until the period of severe rains at the last week. The excessive rains of the 30th, falling on the softened fields and roads, rendered them impassable for a time. Lowlands in northern and western counties were flooded with some damage to crops. These heavy rains also damaged such corn as remained in shock. Glaze and snow that fell on hard frozen ground persisted through the second decade, making the surface unusually slippery and causing many street and road accidents. Extensive landings in the period 24-28th interfered with aviation and general transportation.

UNIVERSITY OF ILLINOIS
FEB
THE LIBRARY

TEMPERATURE.

In the first week and the last decade the temperatures ranged from 5° to 25° above normal with maxima of 70° at many stations. In the cold period, the thermometer readings were 5° to 30°, with minima near or slightly below zero. While the cold wave was relatively more severe, the warm period's toward the longer time, so that the monthly average was slightly above normal. The extremes were 75° at Ashland and Quicksand on the 25th and −8° at Williamstown on the 18th.

PRECIPITATION.

Precipitation averaged somewhat above normal, but the variability in distribution continued to be a outstanding feature. In general it decreased from west to east, ranging from about 4.0 inches in some extreme western counties to 1.0 inches in the Big Sandy Valley. The general quantities received from 3.0 to 4.0 inches and the eastern districts from 2.0 to 4.0 inches. It occurred on nearly every day of the month, usually in small amounts. Moderate precipitation occurred mainly in the periods 5-7th, 10-12th, and 25-27th. Heavy to excessive rains were reported from most central and western stations in the period 28-30th. At several stations the rainfall ranged from 3.0 to 4.00 inches, and at a few western stations slightly over 4.00 inches. For the state as a whole amounts were nearly 1.00 inches at Louisa and 10.2 inches at Dycusburg. Snowfall was also irregular but generally moderate. Depths ranged from about 1.0 inch near the south border to 15 inches in the northern counties. Under the snow cover [illegible] 2nd 7th.

PRESSURE AND WIND.

Stations	Atmospheric Pressure: Average for month reduced to sea level					Wind: Total movement	Average hourly velocity	Prevailing direction	Highest velocity	Date
	Average for month	Departure from normal	Highest	Date	Lowest	Date						
Cairo	Ill.	30.18	.18	30.37	15	29.91	23	7...	10.3	S.	...	...
[illegible]	[illegible]	30.19	.15	30.[illegible]	16	29.[illegible]	23	11[illegible]	...	[illegible]	...	...
[illegible]	Ind.	30.29	.29	30.72	16	29.[illegible]	24	7...	10.4	S.	...	...
[illegible]	[illegible]	30.[illegible]	.[illegible]	30.[illegible]	16	29.51	23	9[illegible]	13.9	S.	...	...
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	[illegible]	...	...

*Time (E.S.T.) of observation. †Only a few stations report at this hour.

HUMIDITY AND SUNSHINE.

Stations	Rel. Humidity: 7 a. m.	Rel. Humidity: Noon	Rel. Humidity: 7 p. m.	Sunshine: Total hours of Sunshine	Sunshine: No. of days Entirely Clear	Sunshine: Percentage of Possible	Sunshine: Average per day	Sunshine: Total for month	Sunshine: Per cent of Possible
Cairo	Ill.	86	74	75	183.5	269.1	6	3	...
Cincinnati	Ohio.	88	74	76	126.2	268.4	4	...	12
[illegible]	Ind.	83	71	69	113.7	296.3	4	6	19
Louisville	Ky.	90	70	...	118.3	296.3	4	7	...
[illegible]	[illegible]	86	74	76	83.9	295.3	3	2	...

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature: Mean for month	Temperature: Departure from normal	Temperature: Highest	Temperature: Lowest	Precipitation: Mean for month	Precipitation: Departure from normal	Precipitation: No. of days with .01 or more	Average No. of days: Clear	Average No. of days: Partly cloudy	Average No. of days: Cloudy	Average No. of days: Average hourly velocity
1931	37.6	....	73	−22	1.66	....	10	10	6	15	9.3
[illegible]	[illegible]	+12.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1923	42.4	[illegible]	[illegible]	[illegible]	[illegible]	+0.07	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1924	34.8	[illegible]	[illegible]	[illegible]	[illegible]	+0.19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1926	[illegible]	+ 1.2	[illegible]	−11	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]
1927	[illegible]	+ 1.3	77	6	4.43	+0.40	9	7	9	15	[illegible]
1928	[illegible]	+ 2.1	[illegible]	[illegible]	[illegible]	[illegible]	4	14	8	9	[illegible]
1929	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1930	[illegible]	[illegible]	72	8	[illegible]	−0.28	10	6	[illegible]	[illegible]	[illegible]
1931	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1932	[illegible]	− 2.7	70	−15	4.26	[illegible]	10	[illegible]	[illegible]	13	2.6
1930	35.6	− 1.1	70	12	[illegible]	−1.44	8	[illegible]	[illegible]	[illegible]	0.1
1900	32.3	− 5.2	72	−22	4.[illegible]	+0.87	10	[illegible]	[illegible]	15	5.7
1902	36.7	− [illegible]	72	−[illegible]	[illegible]	[illegible]	12	[illegible]	[illegible]	19	2.4
1903	[illegible]	− [illegible]	[illegible]	[illegible]	[illegible]	−1.15	7	16	[illegible]	8	2.0
[illegible]	[illegible]	− [illegible]	72	− [illegible]	[illegible]	+0.27	[illegible]	10	5	16	2.4
[illegible]	[illegible]	− 0.2	66	[illegible]	[illegible]	+0.36	[illegible]	11	[illegible]	15	1.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.6
[illegible]	[illegible]	[illegible]	70	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	+ 2.8	74	7	[illegible]	−1.41	[illegible]	11	[illegible]	14	[illegible]
[illegible]	[illegible]	− 7.6	70	−31	[illegible]	−0.57	[illegible]	10	[illegible]	15	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	− 4.1	74	11	[illegible]	[illegible]	12	9	[illegible]	18	[illegible]
[illegible]	[illegible]	− 0.3	[illegible]	5	3.98	[illegible]	[illegible]	9	5	16	[illegible]
[illegible]	[illegible]	+ 2.0	7[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	21	7.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12	[illegible]	[illegible]	15	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	12	14	1.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	−1.14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	+ 9.1	[illegible]	[illegible]	[illegible]	+1.61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	70	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	−1.71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Climatological Data for December, 1932.

Stations	County	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Observers.
				Means.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	With precip. 0.01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	Prevailing direction.	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Carlisle	441	28	34.0	+ 0.9	70	26	− 3	16	38	4.86	+ 1.06	1.60	2.0	8	7	15	n.	Mrs. Lena F. Taylor.
[illegible]	Madison	437	28	38.4	+ 0.2	69	25	5	13	31	5.72	+ 1.47	2.25	0.2	11	8	12	ne.	W. A. Taylor.
[illegible]	Jessamine	420	32	38.2	− 0.4	69	24	5	16	33	6.89	+ 2.82	2.80	2.5	11	12	4	n.	Brick Southworth.
[illegible]	Jessamine	420	32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.91	[illegible]	2.66	2.0	11	[illegible]	[illegible]	[illegible]	W. D. Hatcher.
[illegible] Dam 50	Crittenden	336	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Wood Hicks	419	15	37.8	− 1.2	66	25	3	1-	41	4.96	+ 0.68	1.58	2.0	13	10	13	8	n.	C. R. Lovell.
[illegible]	Henderson	382	18	40.8	[illegible]	67	2	6	16	31	10.56	+ 6.54	2.28	2.3	11	10	5	16	n.	Richard Stites
[illegible]	Crittenden	[illegible]	26	38.7	+ 0.2	70	23	6	16	38	5.49	− 0.62	1.76	T.	12	14	1	29	se.	W. E. Grimes.
[illegible]	Calloway	[illegible]	[illegible]	34.2	[illegible]	68	6	8	18	38	6.56	[illegible]	4.10	1.5	9	13	2	16	s.	Blaine Malone.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	B. C. Paris
Marion	Crittenden	521	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Mrs. C. R. Sowell.
[illegible]	Grayson	544	13	37.0	− 3.0	68	6	0	16	46	7.66	+ 3.76	4.45	2.0	6	8	9	14	se.	Mrs. C. R. Sowell.
[illegible]	Calloway	412	6	37.4	[illegible]	68	28	8	18	42	6.76	[illegible]	3.02	[illegible]	7	8	8	15	s.	Harry B. Arnold
[illegible]	Daviess	479	32	35.7	− 1.3	66	25	1	16	38	5.12	+ 1.32	1.88	1.5	11	11	6	14	n.	Henry S. Barr.
[illegible]	Daviess	464	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.14	[illegible]	2.66	2.1	13	[illegible]	[illegible]	[illegible]	George Mcglenary.
Owensboro, Dam 46	Daviess	404	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Jackson	515	15	36.8	− 2.5	65	60	5	16	38	7.62	+ 3.71	3.50	2.0	11	13	5	13	se.	J. W. Linby
[illegible]	Mcpherson	541	42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.24	+ 1.88	2.05	2.2	[illegible]	[illegible]	[illegible]	[illegible]	Frank L. Brown.
[illegible]	Caldwell	523	26	37.3	− 1.1	67	14	6	16	38	7.38	+ 3.48	3.03	0.2	13	8	5	18	n.	Dr. W. L. Cash.
[illegible]	Caldwell	523	26	37.3	− 1.1	67	14	6	16	38	7.17	+ 1.30	2.20	2.8	10	[illegible]	[illegible]	[illegible]	Thos. L. Wetzell.
[illegible] Locks 2	Marshall	396	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.48	0.04	1.17	1.8	9	10	4	17	n.	Wm. Shelton.
[illegible]	Calloway	396	21	36.0	+ 2.4	67	26	7	16	38	3.43	[illegible]	1.00	2.5	10	[illegible]	[illegible]	[illegible]	Earl Holder.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Calloway	357	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.88	[illegible]	2.80	3.5	18	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C. L. Moore.
[illegible] Dam 45	Breckinridge	392	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.27	[illegible]	2.85	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Logan	560	31	33.8	− 0.1	64	21	− 5	16	37	5.15	+ 1.22	2.27	1.5	10	11	9	11	sw.	C. E. Barret.
[illegible]	Logan	560	31	37.6	+ 3.7	70	−3	2	16	38	4.27	− 0.40	1.42	1.2	13	11	8	9	s.	Mrs. Emily T. Sisco.
[illegible]	Warren	500	42	40.6	+ 2.1	70	6?	6	18	40	3.74	− 0.88	1.35	1.5	16	7	9	15	w.	Mrs. Lillie G Causey.
[illegible]	Warren	500	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.37	[illegible]	1.47	6.6	12	[illegible]	[illegible]	[illegible]	T. Bean
[illegible] Locks No 6	Warren	460	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Virgil M. Windin.
[illegible]	Christian	440	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.06	− 0.28	1.40	4.1	16	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Christian	440	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.15	− 0.92	1.22	1.3	7	[illegible]	[illegible]	[illegible]	T. A. Lewis
[illegible]	Carroll	455	53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.17	− 0.57	0.73	2.8	7	[illegible]	[illegible]	[illegible]	Shelby Angel.
[illegible]	Carroll	455	53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.40	4.0	14	[illegible]	[illegible]	[illegible]	Reuben Hartley.
[illegible] Dam 36	Garrard	489	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.42	[illegible]	1.02	0.9	13	5	12	14	s.	C. W. Williams.
[illegible] Bargo	Mercer	770	6	[illegible]	[illegible]	70	24	5	16	38	3.17	[illegible]	1.02	0.9	13	5	12	14	s.	Mrs. Katie Payne.
[illegible]	Pulaski	1177	38	38.7	+ 2.8	66	24†	− 3	18	40	3.60	− 0.27	1.23	1.0	10	8	2	31	s.	Sidney Wood.
[illegible]	Franklin	500	40	39.8	− 0.4	70	24	1	16	41	3.81	− 0.10	1.23	0.5	9	12	1	18	s.	M. E. Johnson.
[illegible]	Shelby	760	37	40.4	+ 0.2	71	21†	8	18	32	4.06	− 0.12	1.24	1.5	13	9	10	12	n.	Louis Shindell.
[illegible]	Boone	440	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.07	+ 0.07	1.83	2.4	16	[illegible]	[illegible]	[illegible]	H. W. Sprague.
[illegible] Dam 5	Boone	440	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.42	[illegible]	2.06	2.5	12	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] Dam 6	Boone	750	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.66	[illegible]	1.25	1.5	17	3	1	24	s.	Mrs. Bettie K. H. Moore.
[illegible]	Grant	788	25	38.6	+ 2.3	70	24	− 1	18	41	4.28	− 0.14	1.25	1.5	15	[illegible]	[illegible]	[illegible]	Miss Ruby L. Simpson.
[illegible] Locks 4	Owenton	850	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.77	− 1.69	0.78	T.	6	16	5	15	sw.	W. T. Pigott.
Irvington	Hardin	86	15	37.4	+ 1.1	67	24	2	16	34	3.95	[illegible]	1.70	1.0	6	16	5	15	sw.	John Anderson.
[illegible]	Garrard	1042	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.41	[illegible]	1.30	[illegible]	14	[illegible]	[illegible]	[illegible]	L. H. Willis.
[illegible]	Casey	698	36	37.4	− 0.8	68	24	3	16	40	5.14	+ 0.22	1.76	2.0	15	6	8	14	s.	U. S. Weather Bureau
[illegible]	Fayette	980	28	38.8	+ 0.8	65	24	0	16	33	2.32	− 1.44	0.82	1.6	13	10	6	15	sw.	U. S. Weather Bureau
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.50	− 0.60	0.95	1.0	11	[illegible]	[illegible]	[illegible]	Horace Crutcher
[illegible] Locks 8	Jessamine	820	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Frank Eitch.
[illegible]	Henry	476	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.57	+ 0.61	1.66	2.8	7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] Locks 2	Henry	476	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.27	+ 1.53	2.43	5.6	14	5	8	18	s.	U. S. Weather Bureau
[illegible]	Jefferson	500	50	37.9	− 0.8	69	24	0	16	36	4.57	[illegible]	1.40	1.1	16	[illegible]	[illegible]	[illegible]	A. C. Hubbard.
[illegible]	Hart	600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.50	[illegible]	1.40	2.1	12	13	2	16	[illegible]	sisters of Loretto
[illegible]	Harlan	775	38	39.8	+ 6.2	67	1†	1	18	46	6.80	+ 1.77	1.29	2.1	12	[illegible]	[illegible]	[illegible]	Rebecca M. Searcy.
[illegible]	Mercer	490	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.80	− 1.75	0.75	1.6	10	[illegible]	[illegible]	[illegible]	Miss Ruth Parte.
[illegible]	Scottie	635	28	35.6	+ 0.2	67	24	− 4	15	37	4.63	+ 0.88	1.60	11.0	13	9	5	16	sw.	E. D. Bourne.
[illegible]	Spencer	680	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	H. K. Vaughan.
[illegible]	Anderson	850	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.42	− 1.05	1.10	[illegible]	[illegible]	9	[illegible]	[illegible]	Miss Lucile B. Simpson.
[illegible]	Grant	788	20	35.7	+ 2.3	69	25	8	18	38	4.76	+ 1.25	1.65	3.5	14	10	4	16	w.	R. J. Lewis.
[illegible] Locks 4	Bracken	500	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.33	[illegible]	1.39	0.7	15	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Jackson	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.74	[illegible]	1.04	2.0	9	10	11	10	sw.	W. A. Worthington.
[illegible]	Boyd	[illegible]	18	35.6	+ 2.2	71	25	4	18	47	3.00	− 1.24	0.91	1.5	16	2	12	17	nw.	Robert S. Swallwood.
[illegible]	Lee	[illegible]	[illegible]	38.6	+ 2.2	71	25	4	18	47	3.01	− 0.36	1.23	1.2	12	5	14	w.	Capt. V. Graham.
[illegible]	Wayne	1150	27	41.1	+ 3.5	71	1	5	18	41	3.61	− 0.16	1.23	1.2	12	5	14	w.	Roby Walden.
[illegible]	Madison	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.72	− 1.22	0.95	0.5	12	[illegible]	[illegible]	[illegible]	T. C. Kelsoe.
[illegible]	Harrison	484	12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.18	− 0.21	1.18	2.0	[illegible]	[illegible]	[illegible]	[illegible]	T. V. Oldham.
[illegible]	Bracken	[illegible]	40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.13	− 0.71	1.10	2.5	13	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Perry	[illegible]	14	35.7	+ 2.7	71	[illegible]	1	16	51	3.13	− 1.55	0.73	4.5	14	8	4	16	e.	Miss R. E. Stamper
[illegible]	Fleming	511	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.21	[illegible]	0.55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	J. Glascock.
[illegible]	Fleming	511	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.21	− 1.15	0.73	3.8	12	[illegible]	[illegible]	[illegible]	Chas. A. Walkers.
[illegible]	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.80	[illegible]	1.08	0.8	[illegible]	[illegible]	[illegible]	[illegible]	Capt. Frank Powers.
[illegible]	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.34	[illegible]	1.08	0.8	[illegible]	[illegible]	[illegible]	[illegible]	T. Mitchell.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.19	− 1.51	0.61	1.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] Dam 40	Greenup	520	12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.90	[illegible]	3.00	3.8	14	11	5	15	sw.	W. W. Duffield
[illegible]	Harlan	1305	4	41.8	[illegible]	70	25	5	18	42	5.90	[illegible]	3.00	3.8	14	[illegible]	[illegible]	[illegible]	Chas. G. Hurtz.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.20	[illegible]	1.50	1.5	15	[illegible]	[illegible]	[illegible]	S. C. Cole.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.48	− 2.25	1.66	2.1	[illegible]	[illegible]	[illegible]	[illegible]	R. R. Davidson.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.80	[illegible]	1.09	[illegible]	13	[illegible]	[illegible]	[illegible]	Russian Bagley.
[illegible]	Lawrence	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Kenneth B. White.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.32	+ 0.65	1.10	1.0	11	[illegible]	[illegible]	[illegible]	Perry R. Bennett
[illegible]	Mason	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.24	− 1.2	0.55	1.5	17	5	4	18	sw.	Mayme Woodson
[illegible]	Mason	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.05	[illegible]	1.60	1.0	16	5	21	5	w.	Mayme Woodson
[illegible]	Hall	[illegible]	[illegible]	37.4	+ 1.0	66	26	2	18	34	4.05	[illegible]	1.60	1.0	16	5	21	5	w.	W. R. McKee.
[illegible]	Montgomery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.99	− 1.19	0.75	1.2	13	17	6	11	w	W. R. McKee.
[illegible]	Bracken	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.14	[illegible]	1.25	1.5	16	[illegible]	[illegible]	[illegible]	John Riddles.
[illegible]	Bracken	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.14	[illegible]	1.25	1.5	16	[illegible]	[illegible]	[illegible]	Lester Segress
[illegible]	Bracken	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.18	[illegible]	1.25	1.5	16	[illegible]	[illegible]	[illegible]	J. W. Summerfield.
[illegible]	Wood	[illegible]	[illegible]	40.0	[illegible]	70	24	2	18	42	2.94	[illegible]	1.05	2.2	12	9	5	17	[illegible]	F. C. Hall.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.94	[illegible]	1.05	2.2	[illegible]	[illegible]	[illegible]	[illegible]	R. W. Jones
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.94	[illegible]	1.05	2.2	[illegible]	[illegible]	[illegible]	[illegible]	Walter P. Nash.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Daily Precipitation for December, 1932

Station	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																														
Dam																														
Ferry, Dam 50																														
Dam 46																														
Lock No. 2																														
Dam 45																														
Dam 44																														
Lock No. 1																														

Daily Temperatures for December, 1932.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	64	65	63	63	65	67	65	54	37	32	35	26	26	32	32	18	27	39	34	36	45	54	62	68	70	62	45	59	56	48	60	49 5
	Minimum	29	41	47	44	32	26	26	26	28	27	28	20	19	21	9	3	0	2	2	26	30	38	46	44	48	37	31	22	32	40	2	29 4
Calhoun	Maximum	65	67	65	62	54	65	66	57	33	32	33	33	23	38	33	23	33	34	33	38	42	52	62	68	45	57	47	32	23	37	40	47 2
	Minimum	34	44	47	44	37	50	36	29	29	25	30	18	19	19	14	5	12	10	16	28	32	36	45	49	63	69	68	57	42	54	64	40 6
Lexington	Maximum	65	67	65	61	62	65	65	50	31	34	36	24	24	31	15	22	33	33	34	44	49	63	69	68	57	42	51	54	64	49	29	49 6
	Minimum	31	47	50	46	37	32	37	21	20	21	33	31	25	30	29	16	28	36	33	36	45	50	62	66	47	34	30	20	27	37	24	27 5
Louisville	Maximum	64	65	66	63	62	67	64	57	34	33	33	31	26	32	24	9	16	36	35	35	43	54	66	68	56	47	54	57	63	44	43	46 1
	Minimum	27	44	45	44	32	28	31	18	18	24	27	19	18	20	5	4	10	3	10	26	31	35	45	46	64	60	50	54	51	57	33	34 4
Greenville	Maximum	65	67	65	60	65	64	64	56	28	28	32	32	21	36	30	12	27	36	35	38	42	50	62	68	46	57	46	32	26	37	40	23 4
	Minimum	28	42	47	42	35	30	28	18	19	24	26	14	18	15	12	2	6	9	17	21	27	35	42	50	46	37	26	23	24	40	23	27 4
Henderson	Maximum	64	65	65	60	65	64	64	56	28	28	32	32	21	36	30	12	27	36	35	38	42	50	62	68	46	57	46	32	26	37	40	23 4
	Minimum	34	42	47	42	35	30	28	18	19	24	26	14	18	15	12	2	6	9	17	21	27	35	42	50	46	37	26	23	24	40	23	27 4
Hopkinsville	Maximum	67	68	66	61	66	68	63	42	33	35	38	38	21	21	29	15	6	12	7	15	27	32	38	44	57	58	54	56	56	51	43	47 0
	Minimum	29	38	43	42	32	46	24	19	26	25	28	21	21	29	15	6	12	7	15	27	32	38	44	47	46	64	54	51	47	48	35	27 4
Owensboro	Maximum	66	67	66	62	64	64	65	53	29	31	33	32	24	35	33	18	23	38	36	39	41	47	55	45	28	28	21	21	35	23	27 4
	Minimum	27	42	43	41	33	52	34	19	19	25	26	17	18	18	15	6	10	8	12	26	30	36	44	55	45	28	28	21	21	35	23	27 4
Paducah	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marion	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mayfield	Maximum	65	66	66	61	53	58	66	49	30	35	33	33	24	33	32	18	19	11	6	6	6	6	47	43	45	39	31	25	25	37	25	25 2
	Minimum	22	44	44	40	30	26	24	19	18	24	24	18	19	18	11	6	0	5	6	6	6	6	43	45	39	31	25	25	25	37	25	25 2
Murray	Maximum	67	68	66	58	65	68	65	37	28	30	38	33	30	36	30	17	27	38	36	36	42	48	60	64	66	57	45	36	30	30	22	26 9
	Minimum	28	38	35	35	23	48	32	20	20	26	28	22	21	26	17	9	4	11	6	12	22	27	34	42	47	44	28	21	20	30	22	26 3
Owensboro	Maximum	63	65	63	58	62	68	65	33	30	30	36	26	17	17	9	4	11	6	12	22	27	34	42	47	44	28	21	20	30	22	26	26 3
	Minimum	31	58	43	39	32	46	30	19	19	22	25	14	15	17	9	4	11	6	12	22	27	34	42	47	44	28	21	20	30	22	26	26 3
Paducah (Local)	Maximum	63	64	62	61	66	65	65	34	18	18	26	26	17	19	19	15	9	16	11	18	29	33	42	50	65	63	57	56	45	55	52	64
	Minimum	32	46	47	47	37	52	34	18	18	26	26	17	19	19	15	9	16	11	18	29	33	42	50	65	63	57	56	45	55	52	64	38
Princeton	Maximum	67	67	66	58	65	66	64	35	28	31	38	33	30	34	35	32	14	26	26	33	42	50	62	68	67	56	45	55	52	64	38	46 6
	Minimum	29	42	41	42	29	52	35	19	19	24	27	18	20	20	18	10	14	22	24	27	36	42	50	65	63	57	56	45	55	52	64	38
Russellville	Maximum	62	...	65	54	63	65	38	46	8	32	29	23	21	22	10	7	9	7	12	2	36	32	41	55	44	34	34	26	23	31	28	27 9
	Minimum	31	55	..	38	32	44	38	19	20	25	29	23	21	22	10	7	9	7	12	2	36	32	41	55	44	34	34	26	23	31	28	27 9
Central Division.																																	
Anchorage	Maximum	62	62	62	56	61	64	61	47	35	37	33	37	24	20	20	11	25	45	37	40	41	41	60	60	66	51	51	56	48	63	..	48 3
	Minimum	25	35	43	36	25	47	30	17	18	24	25	18	17	14	5	6	4	4	11	20	30	36	40	47	65	50	32	38	26	25	18	28 ..	24 6
Bardstown	Maximum	65	68	64	58	64	69	63	38	36	40	34	34	26	30	22	14	24	37	36	41	48	57	66	70	74	62	47	44	47	41	41	28
	Minimum	28	38	46	45	30	46	30	19	26	24	27	21	19	26	5	2	12	11	21	30	28	32	38	52	70	54	42	34	34	21	41	28
Bowling Green	Maximum	65	67	66	59	65	70	67	42	38	38	41	40	36	38	32	22	27	37	38	41	48	57	66	70	74	62	47	44	47	41	41	28
	Minimum	29	38	48	45	33	48	35	21	32	30	34	24	23	28	16	9	15	6	17	30	31	36	42	58	66	48	33	32	37	28	27	27
Dix Dam	Maximum	64	64	64	59	63	68	62	46	36	39	36	36	28	26	24	24	16	5	16	16	10	20	27	36	50	66	60	54	48	52	48	52
	Minimum	26	35	41	47	32	48	37	26	23	31	28	26	23	24	16	5	16	16	10	20	27	36	50	66	60	54	48	52	48	52	48	52
Erlanger	Maximum	64	66	64	56	63	68	65	47	38	32	36	36	25	35	33	30	25	39	35	35	44	54	66	70	74	62	47	44	47	41	41	28
	Minimum	28	38	46	45	30	46	30	19	26	24	27	21	19	26	5	2	12	11	21	30	28	32	38	52	70	54	42	34	34	21	41	28
Frankfort	Maximum	64	64	64	59	63	68	62	46	36	39	36	36	28	26	24	24	16	5	16	16	10	20	27	36	50	66	60	54	48	52	48	52
	Minimum	26	35	41	47	32	48	37	26	23	31	28	26	23	24	16	5	16	16	10	20	27	36	50	66	60	54	48	52	48	52	48	52
Franklin	Maximum	64	64	64	59	63	68	62	46	36	39	36	36	28	26	24	24	16	5	16	16	10	20	27	36	50	66	60	54	48	52	48	52
	Minimum	26	35	41	47	32	48	37	26	23	31	28	26	23	24	16	5	16	16	10	20	27	36	50	66	60	54	48	52	48	52	48	52
Greenville	Maximum	61	63	63	58	61	66	63	55	30	30	36	36	20	20	20	16	2	11	11	11	26	34	39	44	59	65	49	36	30	31	65	46
	Minimum	31	46	47	44	37	49	26	20	23	26	26	18	20	20	16	2	11	11	11	26	34	39	46	48	61	49	36	30	30	31	65	46
Irvington	Maximum	61	63	63	58	61	66	63	55	30	30	36	36	20	20	20	16	2	11	11	11	26	34	39	44	59	65	49	36	30	31	65	46
	Minimum	31	46	47	44	37	49	26	20	23	26	26	18	20	20	16	2	11	11	11	26	34	39	46	48	61	49	36	30	30	31	65	46
Leitchfield	Maximum	61	63	63	55	62	66	63	46	36	35	29	33	32	26	29	26	14	20	33	32	35	46	58	68	70	58	48	36	30	30	30	30
	Minimum	31	41	46	45	33	47	32	26	21	25	27	23	20	16	9	13	10	20	31	26	36	41	44	62	66	54	41	34	24	28	30	30
Lexington	Maximum	60	60	60	54	58	65	56	56	34	30	37	32	27	27	26	19	6	0	11	11	22	32	38	43	56	41	31	34	28	34	42	22
	Maximum	61	63	63	55	62	66	63	46	36	35	29	33	32	26	29	26	14	20	33	32	35	46	58	68	70	58	48	36	30	30	30	30
Louisville	Maximum	64	66	64	59	63	68	62	46	36	39	36	36	28	26	24	24	16	5	16	16	10	20	27	36	50	66	60	54	48	52	48	52
	Minimum	26	35	41	47	32	48	37	26	23	31	28	26	23	24	16	5	16	16	10	20	27	36	50	66	60	54	48	52	48	52	48	52
Shepherdsville	Maximum	64	66	64	56	63	68	65	47	38	32	36	36	25	35	33	30	25	39	35	35	44	54	66	70	74	62	47	44	47	41	41	28
	Minimum	28	38	46	45	30	46	30	19	26	24	27	21	19	26	5	2	12	11	21	30	28	32	38	52	70	54	42	34	34	21	41	28
Taylorsville	Maximum	64	66	64	56	63	68	65	47	38	32	36	36	25	35	33	30	25	39	35	35	44	54	66	70	74	62	47	44	47	41	41	28
	Minimum	28	38	46	45	30	46	30	19	26	24	27	21	19	26	5	2	12	11	21	30	28	32	38	52	70	54	42	34	34	21	41	28
Williamstown	Maximum	64	62	66	55	61	64	63	57	37	28	30	34	24	24	26	24	16	24	28	28	37	41	56	66	66	59	46	41	41	43	49	45
	Minimum	28	41	45	40	39	45	32	21	19	26	24	19	16	13	5	8	8	6	16	16	26	34	39	51	59	49	39	33	32	32	35	35
Eastern Division.																																	
Ashland	Maximum	56	65	67	59	60	58	66	42	29	37	33	38	31	29	29	13	25	12	28	34	36	47	57	68	72	64	45	50	48	60	59	48
	Minimum	26	26	37	26	30	26	42	29	23	27	26	20	26	26	18	3	13	5	13	16	19	24	44	44	50	41	33	34	36	26	34	28
Beattyville	Maximum	64	66	66	57	63	62	66	49	32	35	37	44	34	36	32	28	17	26	35	32	44	54	63	69	74	62	46	50	49	61	60	49
	Minimum	25	24	32	30	27	28	40	36	32	36	38	28	27	28	15	8	12	4	10	15	18	26	41	44	50	41	33	32	32	28	30	28
Boone	Maximum	71	68	65	56	61	66	66	40	37	40	38	38	28	28	28	15	6	18	15	18	27	38	41	56	68	62	48	50	49	61	60	49
	Minimum	33	45	47	42	35	51	35	24	20	25	25	25	23	24	22	13	2	12	11	17	22	36	38	42	56	48	36	30	30	28	26	26
Brooksville	Maximum	66	66	66	59	63	68	64	46	41	44	36	36	28	27	27	24	13	1	11	12	11	17	32	36	50	42	36	36	36	36	36	36
	Minimum	28	35	38	32	32	37	26	29	26	27	26	24	23	24	22	13	2	12	11	17	22	36	38	42	56	48	36	30	30	28	26	26
Carlisle	Maximum	64	66	68	59	62	66	67	50	36	36	36	36	28	28	28	15	6	18	15	18	27	38	41	56	68	62	48	50	49	61	60	49
	Minimum	33	45	47	42	35	51	35	24	20	25	25	25	23	24	22	13	2	12	11	17	22	36	38	42	56	48	36	30	30	28	26	26
Hartford	Maximum	67	67	67	59	63	68	64	46	41	44	36	36	28	27	27	24	13	1	11	12	11	17	32	36	50	42	36	36	36	36	36	36
	Minimum	28	35	38	32	32	37	26	29	26	27	26	24	23	24	22	13	2	12	11	17	22	36	38	42	56	48	36	30	30	28	26	26
Maysville	Maximum	67	67	67	59	63	68	64	46	41	44	36	36	28	27	27	24	13	1	11	12	11	17	32	36	50	42	36	36	36	36	36	36
	Minimum	28	35	38	32	32	37	26	29	26	27	26	24	23	24	22	13	2	12	11	17	22	36	38	42	56	48	36	30	30	28	26	26
Middlesboro	Maximum	56	65	67	59	60	58	66	42	29	37	33	38	31	29	29	13	25	12	28	34	36	47	57	68	72	64	45	50	48	60	59	48
	Minimum	26	26	37	26	30	26	42	29	23	27	26	20	26	26	18	3	13	5	13	16	19	24	44	44	50	41	33	34	36	26	34	28
Mount Sterling	Maximum	64	66	66	57	63	62	66	49	32	35	37	44	34	36	32	28	17	26	35	32	44	54	63	69	74	62	46	50	49	61	60	49
	Minimum	25	24	32	30	27	28	40	36	32	36	38	28	27	28	15	8	12	4	10	15	18	26	41	44	50	41	33	32	32	28	30	28
Pikeville	Maximum	56	65	67	59	60	58	66	42	29	37	33	38	31	29	29	13	25	12	28	34	36	47	57	68	72	64	45	50	48	60	59	48
	Minimum	26	26	37	26	30	26	42	29	23	27	26	20	26	26	18	3	13	5	13	16	19	24	44	44	50	41	33	34	36	26	34	28
Quicksand	Maximum	56	65	67	59	60	58	66	42	29	37	33	38	31	29	29	13	25	12	28	34	36	47	57	68	72	64	45	50	48	60	59	48
	Minimum	26	26	37	26	30	26	42	29	23	27	26	20	26	26	18	3	13	5	13	16	19	24	44	44	50	41	33	34	36	26	34	28
Jackson	Maximum	56	65	67	59	60	58	66	42	29	37	33	38	31	29	29	13	25	12	28	34	36	47	57	68	72	64	45	50	48	60	59	48
	Minimum	26	26	37	26	30	26	42	29	23	27	26	20	26	26	18	3	13	5	13	16	19	24	44	44	50	41	33	34	36	26	34	28

Temperature for December was [illegible] degrees above the normal. The average date of the last killing frost in spring was [illegible]; the average date of the first killing frost in autumn was [illegible]. The latest date on which killing frost has been recorded in spring was [illegible]; the earliest date on which killing frost has been recorded in autumn was [illegible]. The average length of the growing season was [illegible] days; the longest growing season was [illegible] days, and the shortest growing season was [illegible] days.

Precipitation for December was [illegible] inches above the normal. The greatest monthly precipitation was [illegible] inches, and the least monthly precipitation was [illegible] inches. The greatest precipitation in any 24 consecutive hours was [illegible] inches on the [illegible] and [illegible]. The average number of days with .01 inch or more was [illegible]. The total snowfall was [illegible] inches; the greatest snow on the ground at any time was [illegible] inches. The average number of days with snow on the ground was [illegible].

Average wind movement was [illegible] miles per hour. The prevailing direction was [illegible]. The highest velocity was [illegible] miles per hour from the [illegible].

Thunderstorms occurred on [illegible] days. Sleet was reported on [illegible] days. Fog was reported on [illegible] days.

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.

JAMES L. CROSSLAND, Editor-in-charge.

Vol. XXXVII LOUISVILLE, KY., March, 1925 No. 13

GENERAL SUMMARY.

The months of January and February continued very high temperature records. Winter grains continued to grow slowly, checked at times by drouth and cold freezes. In the earlier sown wheat and rye pastured extensively, and were heavily pastured in order to restrain the extremely rank growth. Farmers and truck gardeners were very busy all of January, preparing and planting their fields for the coming season of forcing crops. Peculiar to this period was the fact that in this section, southward of most of the State, scarcely any of the usual amount of rainfall occurred in this month. Fall-sown grains, pastures, and growing crops suffered from lack of moisture, and the ground was very dry and dusty. Many fields were prepared for spring crops, and seeding was commenced. Unusually warm weather in the first decade of February caused rapid growth of vegetation, and fruit trees began to bloom. Peaches were in bloom in the southern counties by the 10th, and apples and pears were in bloom in the central portion by the 15th. Gardens were planted, and truck crops were set out. Warm, dry weather continued until the 20th, when a cold wave, with freezing temperatures, occurred. Fruit was damaged to some extent, but not seriously. Peaches were in bloom in the northern counties by the 20th, and apples and pears were in bloom in the central portion by the 25th. Gardens were planted, and truck crops were set out. Warm, dry weather continued until the 20th, when a cold wave, with freezing temperatures, occurred. Fruit was damaged to some extent, but not seriously. Peaches were in bloom in the northern counties by the 20th, and apples and pears were in bloom in the central portion by the 25th. Gardens were planted, and truck crops were set out.

March.—Winter wheat and rye made good growth, and pastures were in excellent condition. Oats sowing was delayed by the wet weather, but was completed in good time. Corn planting began in the southern counties the last week, and was general by the end of the month. Tobacco plant beds were prepared, and seeding was commenced. Fruit trees were in bloom, and the prospects for a large crop were good. Gardens were planted, and truck crops were set out. Warm, dry weather continued until the 20th, when a cold wave, with freezing temperatures, occurred. Fruit was damaged to some extent, but not seriously. Peaches were in bloom in the northern counties by the 20th, and apples and pears were in bloom in the central portion by the 25th. Gardens were planted, and truck crops were set out. Warm, dry weather continued until the 20th, when a cold wave, with freezing temperatures, occurred. Fruit was damaged to some extent, but not seriously. Peaches were in bloom in the northern counties by the 20th, and apples and pears were in bloom in the central portion by the 25th. Gardens were planted, and truck crops were set out.

April.—Winter wheat and rye made good growth, and pastures were in excellent condition. Oats sowing was delayed by the wet weather, but was completed in good time. Corn planting began in the southern counties the last week, and was general by the end of the month. Tobacco plant beds were prepared, and seeding was commenced. Fruit trees were in bloom, and the prospects for a large crop were good. Gardens were planted, and truck crops were set out. Warm, dry weather continued until the 20th, when a cold wave, with freezing temperatures, occurred. Fruit was damaged to some extent, but not seriously. Peaches were in bloom in the northern counties by the 20th, and apples and pears were in bloom in the central portion by the 25th. Gardens were planted, and truck crops were set out. Warm, dry weather continued until the 20th, when a cold wave, with freezing temperatures, occurred. Fruit was damaged to some extent, but not seriously. Peaches were in bloom in the northern counties by the 20th, and apples and pears were in bloom in the central portion by the 25th. Gardens were planted, and truck crops were set out.

May.—Winter wheat and rye made good growth, and pastures were in excellent condition. Oats sowing was delayed by the wet weather, but was completed in good time. Corn planting began in the southern counties the last week, and was general by the end of the month. Tobacco plant beds were prepared, and seeding was commenced. Fruit trees were in bloom, and the prospects for a large crop were good. Gardens were planted, and truck crops were set out. Warm, dry weather continued until the 20th, when a cold wave, with freezing temperatures, occurred. Fruit was damaged to some extent, but not seriously. Peaches were in bloom in the northern counties by the 20th, and apples and pears were in bloom in the central portion by the 25th. Gardens were planted, and truck crops were set out. Warm, dry weather continued until the 20th, when a cold wave, with freezing temperatures, occurred. Fruit was damaged to some extent, but not seriously. Peaches were in bloom in the northern counties by the 20th, and apples and pears were in bloom in the central portion by the 25th. Gardens were planted, and truck crops were set out.

COMPARATIVE ANNUAL DATA FOR [illegible]

Year	Temperature			Precipitation			Snowfall			

Climatological Data for the Year 1932.

Stations	Counties	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number of days				Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION																				
Barkley Dam	Ohio	441	20	.....	102	Aug. 31	— 3	Dec. 16	30	54.40	10.90	Jan.	0.80	May	.....	98	218	44	104	n.
Calhoun	McLean	427	29	58.9	101	July 28	5	Dec. 16	30	53.01	10.09	Jan.	1.29	May	3.9	118	100	158	108	sw.
Eddyville	Lyon	420	43	59.3	101	July 19†	5	Dec. 16	43	55.21	10.38	Jan.	0.92	May	7.0	112	194	63	109	sw.
Fairdealing	Carlisle	382							4	59.20	9.18	Jan.	0.84	May	3.4	113	171	156	39	s.
Grahamton	Muhlenburg	519	16	57.9	103	June 22	3	Dec. 18	16	51.51	12.64	Jan.	0.84	May	3.4	113	171	156	39	s.
Henderson	Henderson	382	1	58.4	102	July 22	2	Dec. 16	1	57.96	10.26	Dec.	1.07	May	8.2	106	221	67	81	w.
Owensboro	Daviess	524	37	59.6	102	July 14	6	Dec. 16	37	61.79	12.97	Jan.	2.04	May	1.1	112	111	67	185	sw.
Paducah	Ballard		4	59.0	102	Aug. 2	5	Dec. 18	4	57.93	8.82	Jan.	1.35	May	4.5	82	218	64	84	s.
Princeton	Caldwell					July 21			37		6.58	Jan.	0.65	May						
Russellville	Logan	571	39		99				24	54.65	10.58	Jan.	1.11	May	3.5	68	228	61	82	sw.
Shawneetown	Gallatin	364	24	59.5	100	Aug. 2	0	Dec. 16	7	57.77	11.57	Jan.	1.06	June	7.3	93	116	151	99	s.
Smithland	Livingston	412	7	58.7	101	June 20	5	Dec. 18	7	57.77	11.57	Jan.	1.06	June	7.3	93	116	151	99	s.
Tompkinsville	Monroe	779	26	56.6	96	Aug. 2	1	Dec. 16	26	49.16	8.62	Jan.	0.88	May	1.6	105	177	68	121	s.
Upper Dam 46	Trigg	479							5	49.62	8.34	Jan.	1.16	May	5.5	128				
Upper Dam 46	Trigg	479							5	49.62	8.34	Jan.	1.16	May	5.5	128				
Wickliffe	Ballard	316							5	49.62	8.34	Jan.	1.16	May	5.5	128				
Williamsburg	Whitley	1,100							5	49.62	8.34	Jan.	1.16	May	5.5	128				
Wolf Creek Dam 46	Russell	779							5	49.62	8.34	Jan.	1.16	May	5.5	128				
Woodbury	Butler	550							5	49.62	8.34	Jan.	1.16	May	5.5	128				
Yosemite	Caldwell	516	16	59.4	101	July 15	5	Dec. 16	16	54.62	8.54	Jan.	0.63	May	4.7	96	211	56	99	sw.
Zion	Hopkins	561							24	54.50	8.60	Jan.	0.63	May	4.7	96			

Monthly and Annual Precipitation for the Year 1932, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Total.	Departure.	Total.	Departure.	Total.	Departure.	Total.	Departure.	Total.	Departure.	Total.	Departure.	Total.	Departure.	Total.	Departure.	Total.	Departure.	Total.	Departure.	Total.	Departure.	Total.	Departure.	Total.	Departure.
EASTERN DIVISION.																										
...ner Dam	10.98	+6.68	4.32	+1.11	4.92	+0.05	5.52	+0.56	0.80																	
...outh	10.40	+5.61	5.48	+1.16																						
...lmond	4.15	+0.48	4.08	+0.95	4.07	+0.04	4.22	+0.13	3.00	+1.29	1.25	-2.04	2.41	-1.41	6.88	+2.66	1.83	-1.53	2.83	+0.33	3.63	+0.33	3.63	+0.33	41.53	+5.38
...'s Ferry	3.58		3.12		4.41																					
...ardin	12.04	+7.07							0.62																	
...gomery	8.41	+4.88	3.56	+0.39	4.45	+0.84	5.01	+0.92	3.05	+0.04	4.26	+1.05	3.42	-0.59	2.29	+0.04	4.24	+1.01	1.42	-0.58	3.42	+0.33	3.42	+0.33	46.55	+7.47
...klass	12.07	+7.38	3.28	+0.31	5.07	+1.46	4.97	+0.88	3.41	+0.40	3.41	+0.20	3.41	-0.60	2.58	+0.33	3.58	+0.33	3.58	+0.33	3.58	+0.33	3.58	+0.33	53.55	+12.47
...ersville	7.85		3.24		5.10		5.08		3.41		3.41		3.41		2.58		3.58		3.58		3.58		3.58		53.55	
...ah	9.50	+4.67	3.48	+0.55	4.48	+0.23	4.58	+0.37	3.58																	
...field	10.66	+6.33			4.45	+0.13	3.38	-1.33	0.71	-2.43	1.77	-1.36	3.81	+0.01	2.58	+0.33	3.58	+0.33	3.58	+0.33	3.58	+0.33	3.58	+0.33	53.55	+12.47
...ra	11.05		3.24		4.45		4.58		0.41		2.41		2.41		1.58		2.58	+1.81	2.58		3.58		3.58		53.55	
...boro	8.23		3.24		4.45		4.58		3.58		3.58		3.58		2.58		3.58		3.58		3.58		3.58		53.55	
...sboro No. 2	7.93				4.45		4.58		3.58		3.58		3.58		2.58		3.58		3.58		3.58		3.58		53.55	
...ton (Bear)	3.73				4.45		4.58		3.58		3.58		3.58		2.58		3.58	+1.80	3.58		3.58		3.58		53.55	
...ton	8.00		3.24		4.45		4.58		3.58		3.58		3.58		2.58		3.58		3.58		3.58		3.58		53.55	
...well	10.81		3.24		4.45		4.58		3.58		3.58		3.58		2.58		3.58	+4.51	3.58		3.58		3.58		53.55	
...ave Lock No. 2	10.68		3.24		4.45		4.58		3.58		3.58		3.58		2.58		3.58		3.58		3.58		3.58		53.55	
...ster	9.50		3.24		4.45		4.58		3.58		3.58		3.58		2.58		3.58	+0.37	3.58		3.58		3.58		53.55	
...nover	8.28				4.45		4.58		3.58		3.58		3.58		2.58		3.58		3.58		3.58		3.58		53.55	
CENTRAL DIVISION.																										
...ton	8.00		2.75		5.75		5.38		0.87																	
...ge	7.15	+3.14			4.56		4.56		0.46	-3.58	3.58	-0.58	3.58													
...ash	7.46	+3.68			4.56	+0.01	3.58	-1.00																		
...ing	10.47	+6.68	3.56	+0.84	4.56	+0.01	4.56	+0.00	3.58																	
...n	9.47		3.56		4.56		4.56		3.58																	
...sville No. 2	9.47		3.56		4.56		4.56		3.58																	
...sville No. 6			3.56		4.56		4.56		3.58																	
...ville			3.56		4.56		4.56		3.58																	
...ton, Lock No. 1			3.56		4.56		4.56		3.58																	
...ntral Dam 46			3.56		4.56		4.56		3.58																	
...town, Barren																										
...n																										
...Fort																										
...ton																										
...Lock No. 3																										
...ton																										
...Dam No. Lock No. 7																										
...ssel																										
...field																										
...ction																										
...ckerman, Lock 8																										
...port, Lock No. 2																										
...ville																										
...ordsville																										
...ton																										
...n, Lock No. 6																										
...ville																										
...ville																										
...ton, Lock No. 5																										
...ntown																										
...n, Lock No. 4																										
...ORTH DIVISION.																										
...ton																										
...ond																										
...ville																										
...n																										
...n, Lock No. 12																										
...ston																										
...ville																										
...ness																										
...ngsburg																										
...Lock No. 10																										
...on																										
...on, Lock No. 9																										
...d																										
...burg, Lock No. 11																										
...n																										
...n																										
...ester																										
...n																										
...ington																										
...Stanley																										
...n, Dam No. 35																										
...n																										
...ness																										
...sburg																										
...ntral																										
...on Lock No. 13																										

The departures from normal (blank) are computed only for such stations as have had 20 or more years of observations.

Monthly and Annual Mean Temperatures for the Year 1932, with Departures from the Normal.

	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
NORTHERN DIVISION.																										
	33.9	+ 5.5	37....	+ 11....	43.2	− 5....	58.1	+ 6.9	66.2	− 6.1	75.6	+ 1.4	79.8	+ 2.6	77.6	+ 1.2	71.3	+ 0.4	.....	.....	46.5	− 1.4	38.6	+ 0.5	.....	.....
	34.1	+ 7.7	38.8	+ 11....	44.6	− 6....	59.2	+ 7.1	67.3	− 6.1	76.2	+ 0.8	80.5	+ 2.5	.....	.....	70.8	− 1.7	57.6	+ 2.1	44.8	− 3.6	38.8	+ 0.2	55.8	+ 0....
	34.1	+ 7.7	38.8	+ 11....	44.6	− 6....	59.2	+ 7.1	67.6	+ 0.7	77.1	− 1.5	81.2	+ 2.7	78....	+ 1.7	70....	− 1.2	58.2	− 1.4	44.2	− 3.6	38.8	− 0.4	56....	+ 0....
	41.1	+ 8.8	43.1	+ 11....	48.3	− 4.0	60.4	+ 7.1	67.6	+ 0.7	77.1	− 1.5	81.2	+ 2.7	78.8	+ 0.1	69.6	+ 2.0	58.6	+ 2.7	43.9	− 3.6	37.5	− 1.2	55.8	+ 1.2
	43....	+ 7....	47....	+ 8....	54....	− 0.2	57.4	+ 1.8	65.4	+ 0.7	75.4	+ 0.8	79.2	+ 2.1	76.8	+ 0.1	68.6	+ 2.0	58.0	+ 2.7	43.1	− 3.6	36.8	....	54....	+ 1....
	42....	....	46....	....	53....	....	59.2	....	66.8	....	77.4	....	81....	....	78....	....	70....	....	59.1	....	42.7	....	36.5	....	55....	....
	42.5	....	46.6	....	53.8	....	59.2	....	66.8	....	77.4	....	81.1	....	78.4	....	70.4	1.0	59.1	+ 3.0	43.4	− 3.1	36.7	+ 0.2	55.4	....
	43.8	+ 7.9	44.4	+ 11.1	52.4	− 3.2	59.4	+ 1.2	67.0	+ 0.6	76.6	+ 1.4	80.8	+ 2.6	78.2	+ 1.1	70.4	....	59.1	....	43.6	....	36.8	....	55.2	....
	44.2	....	46.2	....	53.0	....	59.2	....	67.1	....	77.5	....	81.0	....	78.6	....	70.2	....	59.1	....	43.6	....	36.8	....	55.2	....
	....	....	....	....	52....	....	....	....	66.1	− 0.3	75.5	− 0.5	79.3	+ 0.6	76.6	+ 1.4	68.0	− 1.2	57.5	− 2.4	44.2	− 4.1	....	....	....	....
	....	....	....	....	49....	....	....	....	66.1	− 0.3	75.5	− 0.5	79.3	+ 0.6	76.6	+ 1.4	68.0	− 1.2	57.5	− 2.4	44.2	− 4.1	....	....	....	....
	43.1	....	45.2	....	52.8	....	59.2	....	67.1	....	77.5	....	81.0	....	78.6	....	70.2	....	59.1	....	43.6	....	36.8	....	55.2	....
	43.1	....	45.2	....	52.8	....	59.2	....	67.1	....	77.5	....	81.0	....	78.6	....	70.2	....	59.1	....	43.6	....	36.8	....	55.2	....
	45.6	....	46.0	....	53.0	....	59.2	....	66.8	....	76.9	....	80.6	....	78.2	....	70.2	....	59.1	....	43.6	....	36.8	....	55.2	....
	45.6	....	46.0	....	53.0	....	59.2	....	66.8	....	76.9	....	80.6	....	78.2	....	70.2	....	59.1	....	43.6	....	36.8	....	55.2	....
	32.1	+ 7....	34....	+ 9....	41....	− 6....	57....	+ 5....	66....	+ 0....	75....	− 0....	79....	+ 1....	77....	+ 0....	68....	− 0....	57....	− 2....	43....	− 3....	36....	− 1....	54....	+ 0....
	34....	+ 9....	36....	+ 11....	43....	− 4....	58....	+ 6

S7,05
UNIKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

JAMES L. KENDALL, Meteorologist. Vol. XXXVIII Louisville, Ky., January, 1933

THE LIBRARY OF THE
FEB 27 1933
UNIVERSITY OF ILLINOIS

GENERAL SUMMARY.

Unseasonably mild weather prevailed during [illegible]. Temperature conditions greatly resembled those that characterized the exceptionally warm Januarys of 1890 and 1932. Grain and winter grains made considerable growth toward the close. Early shrubbery budded and in some cases put out leaves and blossoms. Night freezes in the first two weeks restrained [illegible] naturally development, but vegetation was slow to begin growing on account of the complete dormancy induced by the severe weather of the preceding month. Wheat, rye, and barley improved somewhat, and seemed benefited by the opportunity to spread and deepen their roots. As a rule they had entered the winter rather small and needed additional growth. Few freezes of a character to cause injury to grains occurred in any district. The mild weather favored milk and egg production and greatly reduced the labor and expense of caring for live stock. It was also an important factor in alleviating the burden of relief required by the destitute and unemployed. It was generally too warm to put up meat on the farm with safety.

In the first two weeks precipitation was frequent but generally light. After the middle of the month both frequency and amounts increased, so that totals exceeded the average at most stations. Fields softened until they could not be entered, resulting in some loss of corn and fodder. Dirt roads became practically impassable, with considerable interference to deliveries of tobacco. Excessive moisture in the atmosphere often made tobacco too damp to be packed or hauled, otherwise conditions were unusually favorable for handling the weed. Flooding of lowlands by the heavy rains of the third week, mainly in the western counties, caused damage to crops from standing water.

TEMPERATURE.

Except on the 1st, 12th, and a day or two near the end, the temperature averaged constantly above normal. In the decade 16-26th, the excess departure ranged from 15° to 30°, and maxima of 60° to 70° occurred almost daily at most stations. Several days in the week, 31-10th, were nearly as warm. In comparison with normal conditions the eastern part of the State was much the warmest section. The extremes were 74° at Ashland on the 22d and 10° at St. John on the 14th.

PRECIPITATION.

In most districts precipitation exceeded the average by an inch or more. It was much better distributed than in previous months, but several counties in the western districts and a few northern and southeastern stations recorded less than the normal amount. These areas received from 3.5 to 4.0 inches. In general, southwestern and most northern districts precipitation ranged from 4.5 to 6.5 inches. A few sections in the Bluegrass region amounts exceeded 7.0 inches. Local and irregular rainfall occurred almost daily from the 5th to 12th. Moderate to heavy rains were general in the period 17th-22d and on the 25th. Light to moderate rain occurred in the central and eastern divisions from the 26th to 28th. Amounts ranged between 3.49 inches at Cold Spring and 7.50 inches at Mt. Sterling. Snowfall was generally negligible, only a trace being reported from most stations. Days with thunderstorms were 17, 19, 20, 21, and 27.

[illegible]

[illegible] Lightning destroyed a residence in Calloway County and damaged another in Graves County. Wind damaged a [illegible] roof in Louisville, with a loss of about $500. Hail [illegible] northern part of Louisville.

Rivers.—The Ohio in the Louisville district was [illegible] from the 3d to 5th and from the 20th to the end of the month. The Barren and upper Green were also [illegible] from the 23d to 25th.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Station	Mean pressure, reduced to sea level	Departure	Prevailing direction	Total movement	Highest velocity	Date	Mean relative humidity, 7 a. m.	Mean relative humidity, 7 p. m.	Mean relative humidity, 7 a. m. and 7 p. m.	Mean number of clear days	Mean number of partly cloudy days	Mean number of cloudy days
Cairo	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cincinnati	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Evansville	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lexington	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Louisville	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

COMPARATIVE DATA FOR JANUARY.

Year	Mean temperature	Departure	Highest temperature	Date	Lowest temperature	Date	Greatest daily range	Least daily range	Average daily range	Total precipitation	Departure	Greatest amount in 24 hours	Date	Total snowfall	Greatest depth on ground	Date	Number of days with .01 inch or more	Number of days with 0.10 inch or more	Number of days with 0.50 inch or more	Number of days with 1.00 inch or more	Number of days with thunderstorms	Number of days with snow on ground	Number of days with sleet	Number of days with fog	Number of days with hail	Number of days with glaze	Number of days with rain and snow	Number of days with rain and sleet	Number of days with snow and sleet	Number of days with rain, snow and sleet
1889	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.52	−0.88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1890	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1891	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1892	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.72	−1.68	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1893	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1894	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1895	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1896	30.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1897	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1898	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.25	−1.15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1899	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11.99	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1901	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1902	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.95	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1903	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1904	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1905	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1906	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1907	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1908	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1909	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1910	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1911	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1912	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1913	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1914	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1915	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1916	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1917	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1918	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1919	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1920	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1921	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1922	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1923	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1924	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1925	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1926	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1927	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1928	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1929	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1930	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1931	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1932	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1933	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Climatological Data for January, 1933.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	Number of days With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Ohio	445	29	45.6	+10.0	72	22	16	1	36	5.55	+1.28	1.40	0	9	17	4	10	n.	Mrs. Lena F. Taylor.
[illegible]	Mclean	457	26	45.3	+ 8.6	69	22	18	1	33	4.28	−0.69	1.44	0	11	4	17	10	sw.	W. A. Taylor.
[illegible]	Hopkins	420	46	40.6	+10.0	69	22	15	1	53	5.17	0.50	2.85	6	12	14	7	10	s.	Brick Southworth.
[illegible]	Christian	500	4	.....	.....	.....	.....	.....	.....	.....	4.48	.....	1.74	T.	7	.....	.....	.....	.....	W. D. Hatcher.
[illegible] Dam 7	Christian	359	16	44.2	+ 8.6	69	22	14	1	35	3.83	−0.49	1.03	0	11	14	11	6	s.	C. R. Lovell.
[illegible]	Muhlenberg	518	16	44.2	+ 8.6	69	22	14	1	35	3.83	−0.49	1.03	0	11	14	11	6	s.	Richard Stites
[illegible]	Henderson	382	19	43.6	.....	67	22	16	1	31	4.17	+1.01	1.25	0	9	18	6	7	s.	W. E. Givens.
[illegible]	Christian	522	37	46.0	+ 8.5	71	22†	18	1	36	3.33	+0.73	2.37	0	12	13	7	11	sw.	Blaine Malone.
[illegible]	Calloway	[illegible]	4	45.3	.....	66	16†	15	1	34	[illegible]	[illegible]	1.68	0	6	10	6	6	n.	B. C. Paris.
[illegible]	Crittenden	571	35	45.0	+ 7.2	66	21	18	2	35	[illegible]	[illegible]	1.25	0	9	12	12	6	n.	[illegible]
[illegible]	[illegible]	551	24	.....	.....	68‡	24	14†	1	.....	4.54	+0.41	1.80	0	5	15	9	7	sw.	Mrs. C. R. Sowell.
[illegible]	Daviess	431	24	.....	.....	70	24	15	1	39	5.63	.....	2.75	0	7	8	14	9	s.	Harry B. Arnold
[illegible]	[illegible]	412	7	44.4	.....	70	4	15	1	39	5.63	.....	2.75	0	7	8	14	9	s.	Henry S. Berry.
[illegible]	Daviess	440	36	42.4	+ 7.5	65	21	17	1	39	3.81	−0.28	0.30	0	11	12	6	14	s.	George McClemary.
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	4.46	.....	1.15	0	14	.....	.....	.....	.....	.....
[illegible] Dam 46	Daviess	404	5	.....	.....	.....	.....	.....	.....	.....	3.81	1.35	1.44	0	7	15	6	10	se.	J. W. Lilley
[illegible]	McCracken	316	19	45.2	+ 9.3	65	18†	16	1	27	3.81	.....	1.44	0	8	.....	.....	.....	.....	Frank L. Brown.
[illegible]	McCracken	361	44	.....	.....	.....	.....	.....	.....	.....	3.88	.....	1.41	0	8	.....	.....	.....	.....	Dr. W. L. Cash.
[illegible]	[illegible]	329	26	44.6	+ 9.0	68	22	16	1	36	4.53	−0.23	2.18	0	12	12	10	9	s.	Thos. L. Wetzell.
[illegible]	[illegible]	359	16	.....	.....	.....	.....	.....	.....	.....	3.99	−0.28	1.18	0	9	.....	.....	.....	.....	.....
[illegible]	Calloway	359	16	.....	.....	.....	.....	.....	.....	.....	4.13	0.39	1.74	0	10	12	2	17	s.	Wm. Shelton.
[illegible]	Logan	500	23	42.1	+ 7.4	68	22	15	1	32	3.50	.....	1.10	0	11	.....	.....	.....	.....	Earl Holder.
[illegible] Dam 48	Union	377	3	.....	.....	.....	.....	.....	.....	.....	3.50	.....	1.10	0	11	.....	.....	.....	.....	.....
[illegible]	Breckinridge	352	5	.....	.....	.....	.....	.....	.....	.....	5.50	.....	1.25	0	16	.....	.....	.....	.....	C. L. Moore.
[illegible]	[illegible]	7[illegible]	32	40.8	+ 8.0	69	22	14	12	35	5.01	−0.95	1.40	0	8	18	1	12	n.	C. E. Barret.
[illegible]	[illegible]	6[illegible]	30	43.8	+ 8.7	75	22	15	11	34	5.91	+1.55	2.50	0	9	20	4	8	s.	Mrs. Emily T. Sisco.
[illegible]	[illegible]	6[illegible]	30	43.8	+ 8.7	75	22	15	11	34	5.91	+1.55	2.50	0	9	20	4	8	s.	Mrs. Lillie G. Causey.
[illegible]	[illegible]	5[illegible]	23	43.3	9.4	70	22	17	1	35	6.08	+1.12	2.75	0	11	15	7	9	w.	T. Rone
[illegible]	[illegible]	4[illegible]	8	.....	.....	.....	.....	.....	.....	.....	4.76	.....	1.18	0 2	10	.....	.....	.....	.....	Virgil M. Whalin.
[illegible]	[illegible]	4[illegible]	16	.....	.....	.....	.....	.....	.....	.....	6.23	+0.53	1.90	0	15	.....	.....	.....	.....	T. A. Lewis.
[illegible]	[illegible]	[illegible]	22	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	1.05	2.25	T.	7	.....	.....	.....	.....	Sandy Angel.
[illegible]	[illegible]	4[illegible]	31	.....	.....	.....	.....	.....	.....	.....	5.26	+0.80	2.40	0	7	.....	.....	.....	.....	Graham Hartley.
[illegible]	[illegible]	4[illegible]	7	.....	.....	.....	.....	.....	.....	.....	3.44	.....	1.42	0	10	.....	.....	.....	.....	.....
[illegible]	Daviess	4[illegible]	5	44.4	.....	69	21	18	12	33	5.77	.....	1.35	0	15	12	6	13	s.	C. W. Williams.
[illegible]	Hopkins	[illegible]	35	44.5	+ 9.5	69	19	17	1	35	4.69	+0.12	1.45	T.	16	16	4	17	s.	Miss Katie Layne.
[illegible]	Daviess	[illegible]	35	44.5	+ 9.5	69	19	17	1	35	4.69	+0.12	1.45	T.	16	16	4	17	s.	Sidney Wood.
[illegible]	[illegible]	[illegible]	21	42.8	+ 6.1	71	22	15	12†	39	5.01	+0.07	1.40	0	11	12	2	17	s.	M. E. Johnson.
[illegible]	[illegible]	[illegible]	35	46.4	+ 7.8	70	24†	17	1	32	5.10	+1.26	2.62	0	15	6	13	12	s.	Louis Shiddell.
[illegible]	[illegible]	4[illegible]	23	.....	.....	.....	.....	.....	.....	.....	5.24	+0.11	0.86	0	12	.....	.....	.....	.....	H. W. Sprague.
[illegible]	[illegible]	5[illegible]	7	.....	.....	.....	.....	.....	.....	.....	4.27	.....	1.18	0	9	.....	.....	.....	.....	.....
[illegible]	[illegible]	5[illegible]	30	43.8	+ 9.1	69	22	15	12†	34	4.93	+0.73	1.70	0	19	4	3	24	se.	Mrs. Bettie K. H. Alcorn.
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	5.45	+1.25	1.60	0	17	.....	.....	.....	s.	Miss Ruby L. Simpson.
[illegible]	[illegible]	5[illegible]	31	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	.....	1.[illegible]	0	17	.....	.....	.....	.....	W. T. Pigmott.
[illegible]	Breckinridge	6[illegible]	35	44.6	+ 9.0	70	25	19	1	33	3.80	+0.52	1.10	T.	7	16	6	9	s.	John Anderson.
[illegible]	[illegible]	[illegible]	7	.....	.....	.....	.....	.....	.....	.....	3.[illegible]	.....	1.[illegible]	0	10	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	37	43.8	+ 8.8	68	22	16	1	29	5.70	+1.08	1.80	0	13	15	5	11	s.	H. H. Willis.
[illegible]	[illegible]	[illegible]	29	47.8	+ 9.0	67	22	17	12	30	6.52	2.38	2.85	T.	13	15	4	12	sw.	U. S. Weather Bureau.
[illegible]	[illegible]	5[illegible]	22	.....	.....	.....	.....	.....	.....	.....	5.38	−0.77	1.40	0	11	.....	.....	.....	.....	Horace Carter.
[illegible]	[illegible]	5[illegible]	22	.....	.....	.....	.....	.....	.....	.....	5.38	−0.77	1.40	0	11	.....	.....	.....	.....	Frank Little.
[illegible]	[illegible]	4[illegible]	28	.....	.....	.....	.....	.....	.....	.....	5.4	+1.18	1.24	0	5	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	31	43.1	+ 8.7	69	22†	20	12	31	4.60	0.57	1.81	T.	10	7	10	14	s.	U. S. Weather Bureau.
[illegible]	[illegible]	[illegible]	19	.....	.....	.....	.....	.....	.....	.....	4.52	.....	2.65	0	14	.....	.....	.....	.....	A. G. Hubbard.
[illegible]	[illegible]	[illegible]	19	.....	.....	.....	.....	.....	.....	.....	6.36	+1.76	2.31	T.	9	18	7	6	.....	Sisters of Loretto.
[illegible]	[illegible]	[illegible]	57	42.2	+ 8.4	68	23†	10	14	40	6.56	+1.56	1.50	0	11	.....	.....	.....	.....	Ernest M. Seatley.
[illegible]	[illegible]	[illegible]	19	.....	.....	.....	.....	.....	.....	.....	6.56	+1.56	1.50	0	11	.....	.....	.....	.....	.....
[illegible]	[illegible]	4[illegible]	19	.....	.....	.....	.....	.....	.....	.....	5.43	+0.73	1.67	0	11	9	4	18	s.w.	Miss Ruth Rutis,
[illegible]	[illegible]	5[illegible]	41	41.7	+ 8.6	68	22	15	12	32	5.43	+0.73	1.67	0	11	9	4	18	s.w.	R. D. Bourne.
[illegible]	[illegible]	[illegible]	31	42.3	+ 8.6	68‡	22	11†	12†	33	5.46	+0.69	2.01	0	9	15	2	14	nw.	H. K. Vaughn.
[illegible]	[illegible]	5[illegible]	15	.....	.....	.....	.....	.....	.....	.....	8.5[illegible]	1.[illegible]	1.[illegible]	0	9	.....	.....	.....	.....	Mrs. Nettie L. Simpson.
[illegible]	[illegible]	[illegible]	16	41.8	+ 9.8	68	22	13	12	30	6.06	+2.10	2.37	0	11	16	2	10	w.	[illegible]
[illegible]	[illegible]	[illegible]	16	.....	.....	.....	.....	.....	.....	.....	5.24	+0.93	1.33	T	15	.....	.....	.....	.....	H. J. Lewis.
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	5.3[illegible]	.....	1.[illegible]	T.	12	9	6	16	sw.	W. A. Worthington.
[illegible]	Jackson	[illegible]	14	41.3	+ 8.5	74	22	18	11†	32	4.20	−0.73	1.31	s.	15	15	2	16	s.	Jacob Armbruster.
[illegible]	[illegible]	[illegible]	20	42.9	+ 8.6	76	22	14	13	30	5.70	+1.46	1.25	T.	13	6	15	10	se.	Robert S. Smallwood.
[illegible]	[illegible]	[illegible]	24	44.2	+ 7.8	68	22	16	12	31	6.10	+1.43	1.79	0	14	15	4	12	w.	Chas. C. Graham.
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	5.60	−0.31	1.15	0	10	.....	.....	.....	.....	Geo. Walden
[illegible]	[illegible]	[illegible]	26	.....	.....	.....	.....	.....	.....	.....	6.41	+2.57	3.10	0	10	.....	.....	.....	.....	P. H. Kelso.
[illegible]	[illegible]	[illegible]	15	.....	.....	.....	.....	.....	.....	.....	6.85	+1.21	2.15	0	12	.....	.....	.....	.....	I. N. Oldham.
[illegible]	[illegible]	[illegible]	44	.....	.....	.....	.....	.....	.....	.....	6.[illegible]	2.[illegible]	2.[illegible]	0	12	10	9	12	e.	Mrs. R. F. Stamper.
[illegible]	[illegible]	[illegible]	28	42.4	+ 8.6	71‡	22	14†	11†	41†	6.[illegible]	2.[illegible]	2.[illegible]	0	12	.....	.....	.....	.....	C. A. Glascock
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	6.[illegible]	.....	1.[illegible]	0	15	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	1.[illegible]	0.[illegible]	0	12	.....	.....	.....	.....	John A. Wolcott.
[illegible]	[illegible]	[illegible]	17	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	.....	1.[illegible]	T.	9	.....	.....	.....	.....	J. Frank Powers.
[illegible]	[illegible]	[illegible]	8	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	.....	1.[illegible]	T.	9	.....	.....	.....	.....	T. Mitchell.
[illegible]	[illegible]	[illegible]	17	.....	.....	.....	.....	.....	.....	.....	5.81	+1.56	1.[illegible]	0	15	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	41.3	.....	71	19	19	1	35	4.80	.....	1.25	1.0	15	23	1	17	sw.	W. W. Duffield
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	4.79	.....	1.[illegible]	T.	16	.....	.....	.....	.....	Chas. O. Berg.
[illegible]	[illegible]	[illegible]	9	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	+0.52	0.94	0	13	.....	.....	.....	.....	S. C. Cole.
[illegible]	[illegible]	[illegible]	13	.....	.....	.....	.....	.....	.....	.....	4.[illegible]	.....	1.14	0	12	.....	.....	.....	.....	R. R. Dawson.
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	4.[illegible]	.....	1.[illegible]	0	12	.....	.....	.....	.....	Russian Cabbee
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	4.77	+1.01	1.45	0	12	.....	.....	.....	.....	Granville Wylie.
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	−0.[illegible]	1.45	0	12	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	6.22	+2.28	2.28	0	14	14	3	14	sw.	Jerry K. Bennett
[illegible]	[illegible]	[illegible]	[illegible]	45.[illegible]	7.[illegible]	69	22	15	13	31	4.37	0.[illegible]	1.92	0	12	10	18	3	....	Mrs. Lee Simpson
[illegible]	[illegible]	[illegible]	[illegible]	44	5.[illegible]	69	22	18	13	30	4.37	0.[illegible]	1.92	0	12	10	18	3	....	W. J. McKee.
[illegible]	[illegible]	[illegible]	[illegible]	44.[illegible]	8.[illegible]	70	22	15	12	34	7.50	+2.[illegible]	2.[illegible]	0	11	14	5	12	w.	Otto Biddle.
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	3.[illegible]	+0.52	1.08	0	12	.....	.....	.....	.....	Robert Boggess
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	6.06	+1.[illegible]	0.[illegible]	T.	12	.....	.....	.....	.....	J. W. Summerfield.
[illegible]	[illegible]	[illegible]	27	.....	.....	.....	.....	.....	.....	.....	3.[illegible]	.....	0.[illegible]	T.	10	13	0	13	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	44.[illegible]	.....	70‡	23	18	12	30‡	3.[illegible]	.....	0.[illegible]	T.	12	.....	.....	.....	.....	E. C. Hall.
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	4.[illegible]	.....	1.[illegible]	0	12	.....	.....	.....	.....	R. C. Jones.
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	6.[illegible]	.....	1.[illegible]	T.	14	.....	.....	.....	.....	Walter P. Bush.
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	71	22	16	12	38	6.[illegible]	.....	1.[illegible]	0	15	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	1.[illegible]	0.[illegible]	0	15	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	44.[illegible]	10.[illegible]	69	24	18	12	34	6.[illegible]	1.[illegible]	1.[illegible]	0	13	11	3	17	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	.....	0.[illegible]	0	16	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	6.[illegible]	.....	1.[illegible]	0	15	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	3.[illegible]	.....	1.[illegible]	0	13	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	.....	1.[illegible]	0	16	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	6.[illegible]	.....	1.[illegible]	0	15	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	3.[illegible]	.....	1.[illegible]	0	13	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	.....	1.[illegible]	0	13	16	3	12	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	3.[illegible]	.....	1.[illegible]	0	13	.....	.....	.....	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	5.[illegible]	.....	1.[illegible]	0	13	.....	.....	.....	.....	Cleveland Angel
[illegible]	[illegible]	[illegible]	[illegible]	45.[illegible]	8.[illegible]	74	22	10	14	41	7.[illegible]	2.[illegible]	2.[illegible]	0 1	12	12	7	11	.....	.....

[illegible] Dam 7 [illegible] Dam 8 [illegible] Dam 9 [illegible] Dam 10 [illegible] Dam 11 [illegible] Dam 12 [illegible] Dam 13 [illegible] Dam 14 [illegible] Dam 15 [illegible] Dam 16 [illegible] Dam 17 [illegible] Dam 18 [illegible] Dam 19 [illegible] Dam 20 [illegible] Dam 21 [illegible] Dam 22 [illegible] Dam 23 [illegible] Dam 24 [illegible] Dam 25 [illegible] Dam 26 [illegible] Dam 27 [illegible] Dam 28 [illegible] Dam 29 [illegible] Dam 30 [illegible] Dam 31 [illegible] Dam 32 [illegible] Dam 33 [illegible] Dam 34 [illegible] Dam 35 [illegible] Dam 36 [illegible] Dam 37 [illegible] Dam 38 [illegible] Dam 39 [illegible] Dam 40 [illegible] Dam 41 [illegible] Dam 42 [illegible] Dam 43 [illegible] Dam 44 [illegible] Dam 45 [illegible] Dam 46 [illegible] Dam 47 [illegible] Dam 48 [illegible] Dam 49 [illegible] Dam 50 [illegible] Dam 51 [illegible] Dam 52 [illegible] Dam 53 [illegible] Dam 54 [illegible] Dam 55 [illegible] Dam 56 [illegible] Dam 57 [illegible] Dam 58 [illegible] Dam 59 [illegible] Dam 60 [illegible] Dam 61 [illegible] Dam 62 [illegible] Dam 63 [illegible] Dam 64 [illegible] Dam 65 [illegible] Dam 66 [illegible] Dam 67 [illegible] Dam 68 [illegible] Dam 69 [illegible] Dam 70 [illegible] Dam 71 [illegible] Dam 72 [illegible] Dam 73 [illegible] Dam 74 [illegible] Dam 75 [illegible] Dam 76 [illegible] Dam 77 [illegible] Dam 78 [illegible] Dam 79 [illegible] Dam 80 [illegible] Dam 81 [illegible] Dam 82 [illegible] Dam 83 [illegible] Dam 84 [illegible] Dam 85 [illegible] Dam 86 [illegible] Dam 87 [illegible] Dam 88 [illegible] Dam 89 [illegible] Dam 90 [illegible] Dam 91 [illegible] Dam 92 [illegible] Dam 93 [illegible] Dam 94 [illegible] Dam 95 [illegible] Dam 96 [illegible] Dam 97 [illegible] Dam 98 [illegible] Dam 99 [illegible] Dam 100

[illegible] [illegible] [illegible] [

Daily Precipitation for January, 1933

Stations		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	T
Western Division																																	
Beaver Dam	G																																
Calhoun	G																																
Hartington	G																																
Fords Ferry, Dam 50	G																																
Hawesville	G																																
Hawesville	G																																
Lovelaceville	M																																
Murray	M																																
Maryland	M																																
Murray	M																																
Owensboro	G																																
Owensboro, Dam 45	G																																
Paducah (near)	G																																
Paducah	G																																
Petersburg	G																																
Pinkney, Lock No. 2	G																																
Prestonville	G																																
Shawneetown	G																																
State of Illinois																																	
Addieson, Dam 49	G																																
Anchorage	G																																
Bardstown	G																																
Bowling Green	G																																
Bowling Green, No. 2	G																																
Brandenburg, Lock No. 6	G																																
Brandenburg	G																																
Brandenburg (Lock No. 7)	K																																
Bowling Green, Dam 36	G																																
Cave Hill, Louisville	K																																
Cincinnati	O																																
Corydon	G																																
Covington	K																																
Crittenden	G																																
Creek, Lock No. 3	K																																
Cecil, Dam 48	O																																
Greensburg	G																																
High Bridge, Lock No. 7	K																																
Irvington	G																																
Lancaster	K																																
Lebanon	G																																
Lexington	K																																
Little Hickman, Lock No. 8	K																																
Lemoyne, Lock No. 2	K																																
Louisville	O																																
Munfordville	G																																
Nashville	K																																
Shawnee, Lock No. 6	K																																
Shelbyville	K																																
Jamestown	K																																
Tyrone, Lock No. 5	K																																
Owensboro	O																																
Woodbury, Lock No. 4	K																																
Eastern Division																																	
Asheville	C																																
Ashland	O																																
Beattyville	K																																
Berea	K																																
College Hill, Lock No. 11	K																																
Corbin	K																																
Falmouth	K																																
Flemingsburg	K																																
Ford, Lock No. 10	K																																
Grayson	O																																
Greenup, Dam 30	O																																
Hagley	C																																
Hazard	K																																
Heidelberg, Lock No. 14	K																																
Jenkins	K																																
Lawley	K																																
Manchester	K																																
Nancyville	C																																
Middlesboro	C																																
Mount Sterling	L																																
Oneonta Dam 35	O																																
Pineville	K																																
Pippapass	K																																
Prestonsburg	K																																
Quicksand	K																																
Ravenna, Lock No. 12	K																																
Richmond	K																																
Valley View, Lock No. 9	K																																
Vanceburg, Dam No. 32	K																																
Whitesburg	K																																
Williamsburg	K																																
Wilson, Lock No. 13	K																																

[Explanation of symbols and figures]

(Reference mark "(") Regular Weather Bureau station; precipitation is for the calendar day, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours.

Separate dates of fall not recorded.

T Trace, or less than 0.01 inch.

River drainage area to which station is tributary is indicated as follows: (G) Big Sandy (L) Licking (K) Kentucky (O) Ohio (T) Tennessee (C) Cumberland (M) Mississippi.

¶ Lake Ohio.

Daily Temperatures for January, 1933.

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
[illegible]	Maximum	48	54	59	60	59	63	55	51	50	60	58	50	52	50	62	54	51	65	66	62	70	72	71	68	63	67	55	44	43	45	41	56.9
	Minimum	16	23	32	40	35	40	47	27	36	28	37	18	18	28	25	39	36	40	39	40	45	50	49	45	39	40	38	22	20	25	28	34.2
	Maximum	37	48	52	56	55	62	56	48	49	59	56	50	48	46	60	56	50	62	65	55	59	63	62	59	56	56	54	39	40	36	36	52.3
[illegible]	Minimum	18	28	34	46	35	46	46	32	37	31	34	29	24	32	30	31	30	45	45	36	38	41	40	38	35	35	31	26	28	30	30	36.3
Harlington	Maximum	56	43	66	60	53	62	59	48	46	59	56	36	47	45	58	55	49	60	65	56	58	61	56	56	48	51	38	31	26	29	27	50.6
	Minimum	18	25	32	40	34	41	45	28	28	30	28	18	18	20	29	43	31	41	36	30	36	38	38	36	33	31	30	22	18	25	26	30.8
	Maximum	36	45	56	50	45	60	55	46	47	50	53	36	48	48	56	55	48	60	65	62	65	69	65	65	62	57	54	46	42	47	50	54.0
	Minimum	14	25	38	48	32	46	42	37	35	36	38	16	16	27	28	42	28	44	45	36	38	53	41	36	35	48	31	38	31	26	29	36.6
[illegible]	Maximum	38	45	50	48	44	56	49	42	42	48	49	30	40	40	50	49	42	56	60	54	56	62	58	54	52	53	49	39	37	39	39	48.3
	Minimum	16	23	32	40	32	40	42	32	32	32	34	18	16	27	28	42	28	44	45	36	38	53	41	36	35	48	31	38	31	26	29	36.6
Henderson	Maximum	38	45	50	48	47	62	53	48	47	50	53	36	48	48	56	55	48	60	65	62	65	69	65	65	62	57	54	46	42	47	50	54.0
	Minimum	16	23	32	40	32	40	42	32	32	32	34	18	16	27	28	42	28	44	45	36	38	53	41	36	35	48	31	38	31	26	29	36.6
[illegible]

551.05
UNKE

THE LIBRARY OF THE
APR 5
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVIII LOUISVILLE, KY., FEBRUARY, 1933. NO. 2

GENERAL SUMMARY.

The warm weather of the preceding month continued into the first week, with indications of unseasonable growth by some vegetation. A change to colder on the 8th was followed by more than a week of fairly severe weather in which temperatures fell to zero, the soil became deeply frozen, and all tendencies to growth were checked. Although moderate weather, with temperatures generally above normal, prevailed in the last half, vegetation had received such a setback by the severe cold that it remained generally dormant.

At many stations precipitation was less than normal, but its frequency kept the ground so wet that winter plowing did not make the usual progress. In the last week much warmer weather prevailed, with more sunshine, less rainfall, and better soil drainage. This weather permitted some plowing of sod, clearing of land, and the first progress of consequence in preliminary outdoor preparation for spring activities. As a rule, fallow land remained too wet to be worked, therefore preparations for early gardens were limited and somewhat delayed. Sowing tobacco plantbeds began at this time, with conditions of the soil becoming more favorable toward the end of the month. Except during the cold and windy period in the first half, the humid atmosphere favored the handling of tobacco. Progress in disposing of the weed was accelerated by the rising temperature of the last week. The general thaw and the frequent rains caused dirt roads to become so bad as to interfere with deliveries.

The snowfall protected grains to a considerable degree during the last half of the cold spell. On wet soils some heaving resulted from the freezing and thawing, but no general injury was reported. Wheat was small and thoroughly dormant, but appeared to be in good condition.

TEMPERATURE.

The temperature averaged slightly above normal, but varied greatly in both directions. Departures of 25° to 30° below normal occurred on the 6th and 9th, which were the coldest days. A minimum below zero was recorded at most stations on the 9th. Days of decided warmth were the 1st and 22d-24th, when maxima often exceeded 70° and mean temperatures were 10° to 20° above normal. The extremes were 75° at several stations on the 24th and −9° at Mt. Sterling on the 9th.

PRECIPITATION.

Precipitation diminished irregularly northward from limited areas in the southern counties that received as much as 6.0 inches to a minimum of 2.0 inches along the upper Ohio. In most of the central and southern counties it ranged from 4.0 to 7.0 inches, and considerably exceeded the monthly average. In the northern bluegrass area in most counties bordering the Ohio it varied from 2.0 to 4.0 inches. As a rule the heaviest rains fell in the upper basins of the Cumberland and Kentucky rivers.

Moderate to heavy rains occurred on the 25th, and heavy to excessive rains on the 7th and 20th, but none did not reach all districts. Amounts on any particular day varied as greatly as in summer. Periods were not well defined, and moderate amounts were reported on nearly every day from the 1st to the 20th. Total snowfall ranged from 2.0 inches at some northern stations to 7.0 or more in the southeastern counties. Most of the central districts received 4.0 inches or more.

Ice extremes were 7.27 inches at Quicksand and 2.71 inches at Cold Spring in Campbell county. Thunderstorms were reported from a few northern and western localities on the 9th and 25th.

MISCELLANEOUS.

Rivers.—The Green was moderately high from the 17th to 26th, with flood stage slightly exceeded at Munfordville on the 22d and 23d. A moderate rise culminated in the upper Cumberland and Licking on the 21st, and in the Big Sandy on the 19th. A crest of 29 feet, one foot under flood stage, was reached at Beattyville on the 21st. This was the only comparatively high stage in the middle section of the Kentucky.

PRESSURE, WIND, HUMIDITY AND EVAPORATION.

Stations	Mean	Highest	Lowest	Resultant direction	Resultant velocity	Prevailing direction	Highest velocity	Mean	Mean	Total	Mean	Total
Louisville	30.15	30.51	29.81	S.	5	S.	40	83	68	2.68	0.09	3.4

COMPARATIVE DATA FOR FEBRUARY.

Stations	Mean	Departure from normal	Highest	Lowest	Greatest daily range	Average	Departure from normal	Greatest monthly	Least monthly	Greatest daily	Date	Average number of days	Snow, sleet	Snow on ground
1933	33.1	− 2.5	72	3	32	1.61	− 0....	2.68	0.8...	...	...	...	...	...
1932	33.6	− 2.0	68	16	27	2....	+ 0....	4....	1....	...	...	...	...	...
1931	40.2	+ 5.2	75	0	42	4.72	+ 1....	7....	2....	...	...	...	...	...
1930	42.2	+ 5.2	70	11	2.42	− 0....	4....	1....	...	...	...	...	...	...
1929	37.1	+ 0.7	70	3	4.40	+ 1....	7.84	2....	...	...	...	...	...	...
1928	31.0	− 7.4	74	3	4....	− 0....	7.99	1.74	...	...	...	...	...	...
1927	24.0	−11.1	54	−12	2....	− 2....	1.80	...	...	...	...	...	...	...
1926	37.1	+ 1.4	82	− 2	3....	− 0....	5....	1....	...	...	...	...	...	...
1925	34.8	− 2.8	76	18	2....	− 1....	3....	1....	1....	1	25	12	7	1
1924	37.3	− 0.4	77	3	3....	− 0....	4....	1....	1....	1	25	11	6	1
1923	29.2	−10.3	71	−10	3.97	0....	8.24	...	1....	1	25	11	8	2
1922	37.6	+ 3.9	75	1	4....	+ 1....	6....	2....	...	...	...	...	...	...
1921	32.4	− 4.6	71	1	1.97	− 1....	3....	1....	...	...	...	...	...	...
1920	37.9	+ 0.1	69	− 3	1....	− 1....	3....	1....	...	...	...	...	...	...
1919	37.5	+ 0.5	75	− 16	3....	− 0....	10....	1....	...	...	...	...	...	...
1918	34.2	− 1.8	75	− 2	2....	− 1....	3....	1....	1....	1	25	11	8	1
1917	37.9	− 0.1	67	− 16	2....	− 0....	4....	1....	...	...	...	...	...	...
1916	32.9	− 2.8	75	− 12	1.81	− 1....	2.46	1....	...	...	...	...	...	...
1915	35.6	− 1.3	73	− 10	3.06	−0.41	5....	1....	...	...	...	...	...	...
1914	35.6	− 1.4	70	2	3....	+ 0....	5....	1....	...	...	...	...	...	...
1913	37.4	+ 3.1	75	8	3....	+ 1....	5....	2....	1....	1	25	12	1	12
1912	32.4	− 4.1	76	−12	2....	− 1....	3....	1....	1....	1	25	11	5	14
1911	42.6	+ 5.0	80	11	3....	+ 0....	5....	2....	1....	1	25	11	5	14
1910	29.7	− 7.8	58	− 1	2....	− 1....	3....	1....	1....	1	25	11	3	14
1909	34.8	− 2.2	76	3	2.94	−0.53	5....	1....	1....	1	25	11	5	9
1908	32.2	− 4.8	70	1	2....	− 1....	3....	1....	1....	1	25	11	5	13
1907	41.4	+ 4.9	75	13	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1906	35.0	− 1.5	72	1	2....	− 1....	3....	1....	1....	1	25	11	4	13
1905	34.8	− 2.2	70	− 9	2.81	0....	4....	1....	1....	1	25	11	4	13
1904	36.2	− 2.3	81	− 8	2....	− 1....	3....	1....	1....	1	25	11	4	13
1903	38.6	+ 1.6	76	12	2....	− 0....	4....	1....	1....	1	25	11	4	13
1902	34.0	− 3.2	73	...	2....	− 1....	3....	1....	1....	1	25	11	4	13
1901	41.2	+ 4.0	77	...	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1900	41.3	+ 4.2	76	4	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1899	36.6	− 2.4	74	4	2....	− 1....	3....	1....	1....	1	25	11	4	13
1898	39.0	− 1.0	78	9	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1897	41.0	+ 3.0	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1896	41.1	+ 4.1	79	4	3....	+ 0....	6....	2....	1....	1	25	11	1	13
1895	42.0	+ 5.5	78	15	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1894	37.1	− 1.1	75	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1893	37.2	− 1.1	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1892	37.3	− 1.0	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1891	37.4	− 0.9	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1890	37.5	− 0.8	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1889	37.6	− 0.7	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1888	37.7	− 0.6	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1887	37.8	− 0.5	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1886	37.9	− 0.4	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1885	38.0	− 0.3	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1884	38.1	− 0.2	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1883	38.2	− 0.1	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1882	38.3	0.0	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1881	38.4	+ 0.1	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1880	38.5	+ 0.2	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1879	38.6	+ 0.3	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1878	38.7	+ 0.4	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1877	38.8	+ 0.5	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1876	38.9	+ 0.6	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1875	39.0	+ 0.7	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1874	39.1	+ 0.8	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1873	39.2	+ 0.9	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1872	39.3	+ 1.0	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1871	39.4	+ 1.1	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1870	39.5	+ 1.2	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1869	39.6	+ 1.3	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1868	39.7	+ 1.4	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1867	39.8	+ 1.5	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1866	39.9	+ 1.6	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1865	40.0	+ 1.7	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1864	40.1	+ 1.8	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1863	40.2	+ 1.9	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1862	40.3	+ 2.0	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1861	40.4	+ 2.1	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1860	40.5	+ 2.2	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1859	40.6	+ 2.3	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1858	40.7	+ 2.4	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1857	40.8	+ 2.5	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1856	40.9	+ 2.6	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1855	41.0	+ 2.7	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1854	41.1	+ 2.8	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1853	41.2	+ 2.9	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1852	41.3	+ 3.0	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1851	41.4	+ 3.1	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1850	41.5	+ 3.2	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1849	41.6	+ 3.3	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1848	41.7	+ 3.4	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1847	41.8	+ 3.5	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1846	41.9	+ 3.6	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1845	42.0	+ 3.7	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1844	42.1	+ 3.8	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1843	42.2	+ 3.9	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1842	42.3	+ 4.0	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1841	42.4	+ 4.1	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1840	42.5	+ 4.2	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1839	42.6	+ 4.3	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1838	42.7	+ 4.4	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1837	42.8	+ 4.5	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1836	42.9	+ 4.6	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1835	43.0	+ 4.7	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1834	43.1	+ 4.8	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1833	43.2	+ 4.9	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1832	43.3	+ 5.0	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1831	43.4	+ 5.1	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1830	43.5	+ 5.2	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1829	43.6	+ 5.3	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1828	43.7	+ 5.4	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1827	43.8	+ 5.5	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1826	43.9	+ 5.6	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1825	44.0	+ 5.7	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1824	44.1	+ 5.8	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1823	44.2	+ 5.9	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1822	44.3	+ 6.0	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1821	44.4	+ 6.1	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1820	44.5	+ 6.2	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1819	44.6	+ 6.3	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1818	44.7	+ 6.4	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1817	44.8	+ 6.5	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1816	44.9	+ 6.6	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1815	45.0	+ 6.7	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1814	45.1	+ 6.8	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1813	45.2	+ 6.9	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1812	45.3	+ 7.0	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1811	45.4	+ 7.1	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1810	45.5	+ 7.2	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1809	45.6	+ 7.3	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1808	45.7	+ 7.4	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1807	45.8	+ 7.5	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1806	45.9	+ 7.6	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1805	46.0	+ 7.7	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1804	46.1	+ 7.8	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1803	46.2	+ 7.9	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1802	46.3	+ 8.0	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1801	46.4	+ 8.1	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13
1800	46.5	+ 8.2	77	8	3....	+ 0....	5....	2....	1....	1	25	11	1	13

Climatological Data for February, 1933.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	29	37.4	+ 1.2	74	25	4	12	39	4.68	+1.47	1.35	.....	10	17	5	6	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	29	38.0	+ 0.3	72	24	0	9	38	3.98	+0.73	1.27	5.0	13	7	13	8	nw.	W. A. Taylor.
Carlington	Hopkins	420	43	*35.6	− 1.7	69[3]	21	- 4[3]	9	33[1]	6.47	+2.86	2.31	4.8	10	13	5	10	n.	Brick Southworth.
Carrollton	.....	...	4	.....	.....	.....	.....	.....	.....	.....	3.58	.....	1.25	3.2	11	.....	.....	.....	.....	W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	356	4	.....	.....	.....	.....	.....	.....	.....	4.49	+1.06	1.16	3.5	12	17	4	7	s.	C. R. Lovell.
Glenns Ille	Muhlenburg	519	16	37.6	− 1.7	72	24	1	10	40	4.64	+2.02	1.95	2.5	10	15	3	10	w.	Richard Stites
Henderson	Henderson	382	19	37.4	.....	69	23	− 1	9	32	4.64	+2.02	1.95	2.5	10	15	3	10	w.	W. S. Graves.
Hopkinsville	Christian	524	37	38.2	+ 0.8	75	24	− 2	9	34	4.66	+0.37	1.16	5.5	14	13	3	12	se.	Blaine Malone.
Loveladeville	Ballard	...	4	37.8	.....	72	24	0	9	35	4.91	.....	2.00	4.5	7	17	3	8	s.	B. C. Paris.
Marion	Crittenden	571	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mayfield	Graves	364	24	37.9	− 1.4	72[3]	24	- 1[3]	9[3]	36[3]	4.91	+1.25	2.00	4.1	10	9	11	8	nw.	Mrs. R. Sowell.
Murray	Calloway	512	7	38.0	.....	74	24	− 2	9	32	4.45	.....	1.10	5.8	11	8	11	9	s.	Harry B. Arnold
Owensboro	Daviess	479	36	36.8	+ 0.7	71	24	2	9	23	2.97	+0.04	1.14	2.5	10	16	4	8	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	5	.....	.....	.....	.....	.....	.....	.....	3.70	.....	1.10	2.9	13	.....	.....	.....	.....	George McClemary.
Paducah (near)	McCracken	316	16	37.4	− 4.3	72	24	0	9	29	5.86	+3.11	2.06	5.2	12	12	7	9	nw.	J. W. Linley
Paducah	McCracken	341	44	.....	.....	.....	.....	.....	.....	.....	4.65	+1.25	1.14	4.0	16	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	26	38.0	+ 1.6	72	24	− 1	9	35	4.60	+0.41	1.40	4.3	12	14	8	6	s.	Dr. W. L. Cash.
Russellville	McLean	384	16	.....	.....	.....	.....	.....	.....	.....	3.99	+1.18	0.84	5.0	15	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	22	*37.2	- 0.2	72[3]	24	3[3]	9[3]	40[3]	4.92	+1.49	1.60	.....	9	13	1	14	s.	Wm. Shelton.
Sebree	Union	357	5	.....	.....	.....	.....	.....	.....	.....	3.49	.....	1.06	2.5	10	.....	.....	.....	.....	Earl Holder.
Uniontown, Dam 49	.....	...	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Addison, Dam 45	Breckinridge	352	5	.....	.....	.....	.....	.....	.....	.....	2.88	.....	1.03	.....	14	.....	.....	.....	.....	C. L. Moore.
Auburn	Logan	700	32	34.6	+ 1.6	72	24	8	9	57	2.47	−0.37	0.76	2.0	9	18	4	6	se.	C. E. Barret.
Bardstown	Nelson	687	36	35.0	+ 2.3	71	24	− 7	9	31	3.76	+0.60	1.06	2.7	10	17	3	8	w.	Mrs. Emily T. Sisco.
Bowling Green	Warren	600	44	40.0	+ 1.3	73	24	0	9	35	5.47	+1.67	1.05	4.2	13	14	5	9	w.	Mrs. Lillie G Causey.
Bowling Green	Warren	600	44	.....	.....	.....	.....	.....	.....	.....	5.29	.....	1.37	4.1	14	.....	.....	.....	.....	T. Rone
Bowling Green, No. 2	Warren	460	8	.....	.....	.....	.....	.....	.....	.....	6.51	+2.31	1.60	5.4	13	.....	.....	.....	.....	Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	410	16	.....	.....	.....	.....	.....	.....	.....	5.59	+1.80	2.55	4.5	9	.....	.....	.....	.....	T. A. Lewis
Burnside	Pulaski	772	42	.....	.....	.....	.....	.....	.....	.....	1.91	+0.72	0.47	.....	8	.....	.....	.....	.....	Shelby Angel.
Carrollton, Lock 1	Carroll	422	34	.....	.....	.....	.....	.....	.....	.....	1.71	.....	1.00	1.5	11	.....	.....	.....	.....	Reuben Hartley.
Cold Spring, Dam 36	Campbell	485	7	.....	.....	.....	.....	.....	.....	.....	4.81	.....	1.44	4.4	11	13	5	10	s.	C. W. Williams.
Pin Dam, Burgin	Mercer	750	5	37.8	.....	71	24	− 2	9	44	5.40	+1.54	1.90	4.8	11	15	1	12	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	39	35.2	- 0.4	71	24	− 7	9	45	5.40	+1.54	1.90	4.8	11	15	1	12	s.	Sidney Wood.
Frankfort	Franklin	560	41	37.4	+ 1.5	73	24	− 5	9	41	2.80	−0.42	0.72	3.0	12	16	1	11	s.	M. E. Jounson.
Franklin	Simpson	691	38	40.4	+ 1.4	75	24	− 1	9	33	6.73	+2.21	1.20	3.0	14	11	9	8	s.	Louis Shiddell.
Glasgow, Lock 3	Henry	449	22	.....	.....	.....	.....	.....	.....	.....	2.14	−0.80	0.42	3.3	14	.....	.....	.....	.....	H. W. Sprague.
Grant, Dam 38	Boone	780	6	.....	.....	.....	.....	.....	.....	.....	2.05	.....	0.53	4.0	11	.....	.....	.....	.....	Frank Ditch.
Green River	Green	585	40	38.6	+ 0.7	71	24	− 6	9	38	5.20	+1.46	1.13	4.5	13	7	0	21	s.	Mrs. Bettie K. H. Alcorn.
Hagan Bridge, Lock 7	Jessamine	550	31	.....	.....	.....	.....	.....	.....	.....	3.34	+1.03	1.30	4.5	14	.....	.....	.....	.....	Miss Ruby L. Simpson.
Hardyville	Breckinridge	646	35	37.4	+ 1.3	70	24	1	9	23	3.96	+0.82	0.82	3.5	11	15	4	9	sw.	W. J. Piggott.
Lancaster	Garrard	1032	7	.....	.....	.....	.....	.....	.....	.....	5.16	.....	1.93	.....	11	.....	.....	.....	.....	John Anderson.
Leitchfield	Grayson	635	37	37.0	+ 2.4	68	24	− 5	9	32	4.39	+0.91	1.41	6.0	12	13	6	9	sw.	H. H. Willis.
Lexington	Fayette	989	49	39.2	− 0.2	67	24	− 5	9	32	3.36	−0.26	0.93	4.0	14	15	4	9	s.	U. S. Weather Bureau
Middlesboro, Lock 8[3]	Jessamine	523	22	.....	.....	.....	.....	.....	.....	.....	4.11	+0.98	1.20	.....	13	.....	.....	.....	.....	Horace Coater.
Lockport, Lock 2	Henry	476	28	.....	.....	.....	.....	.....	.....	.....	2.37	−0.18	0.68	4.0	8	.....	.....	.....	.....	Frank Ditch.
Louisville	Jefferson	525	60	36.8	0.4	69	24	− 1	9	35	3.60	−0.55	1.11	2.8	11	12	6	10	s.	U. S Weather Bureau.
Munfordville	Hart	690	19	.....	.....	.....	.....	.....	.....	.....	6.16	.....	1.68	5.2	14	.....	.....	.....	.....	A. G. Hubbard.
Nortonville	Christian	777	37	38.5	+ 1.2	69	23	− 5	9	32	5.47	+1.75	1.35	9.0	16	15	6	7	.....	Sisters of Loretto.
St. John	Hardin	496	19	.....	.....	.....	.....	.....	.....	.....	4.39	+1.14	1.20	.....	9	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6[3]	Mercer	425	41	38.8	+ 1.3	70	24	− 6	9[3]	37	2.99	−0.68	0.70	5.0	13	14	3	11	s.	Miss Ruth Ratta.
Shepherdsville	Bullitt	495	44	38.3	+ 1.1	70	24	− 3	9	37	3.28	−0.15	0.82	2.8	11	17	4	7	s.	E. D. Bourne.
Taylorsville	Spencer	480	31	36.5	+ 1.1	70	24	− 3	9	37	3.65	+0.22	0.99	.....	9	.....	.....	.....	.....	H. K. Vaughn.
Tyrone, Lock 5[4]	Anderson	526	15	.....	.....	.....	.....	.....	.....	.....	2.83	+0.12	0.77	3.6	11	18	4	6	e.	Miss Nettie B. Simpson.
Waddytown	Grant	945	36	37.6	+ 1.1	73	24	− 9	9	43	4.85	+1.32	1.25	5.8	14	.....	.....	.....	.....	H. J. Lewis.
Woodbury, Lock 4	Butler	534	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Annville	Jackson	...	...	.....	.....	.....	.....	.....	.....	.....	5.93	.....	2.44	5.0	13	7	7	14	nw.	W. A. Worthington.
Ashland	Boyd	554	34	38.4	+ 1.2	68	24	8	9	30	2.82	−0.37	0.93	4.0	14	15	2	11	w.	Jacob Armbruster.
Barbourville	Knox	1050	29	37.5	+ 1.6	67	24	− 7	9	35	5.58	+1.71	2.00	5.3	13	5	7	6	nw.	Robert S. Smallwood.
Berea	Madison	1050	28	38.7	+ 2.2	71	24	− 5	9	46	5.66	+2.55	1.19	4.4	11	15	3	10	sw.	Chas C. Graham.
Berea	.....	...	...	.....	.....	.....	.....	.....	.....	.....	4.31	+1.67	1.35	4.7	13	.....	.....	.....	.....	Lesly Wabon
Berea Hill, Lock 11	Madison	661	33	.....	.....	.....	.....	.....	.....	.....	2.90	−0.11	0.80	2.0	11	.....	.....	.....	.....	H. H. Kelson.
Booneboro	Pendleton	684	15	.....	.....	.....	.....	.....	.....	.....	9.[illegible]	+1.24	0.42	4.0	12	.....	.....	.....	.....	J. V. Oldham
Falmouth	Pendleton	690	44	.....	.....	.....	.....	.....	.....	.....	4.01	−1.01	1.27	.....	13	6	9	15	e.	Mrs. R. F. Stamper.
Farmers	Rowan	668	25	37.8	+ 1.2	72	24	2	10	43	2.94	.....	1.03	.....	7	.....	.....	.....	.....	C. A. Glascock
Flemingsburg	Fleming	841	8	.....	.....	.....	.....	.....	.....	.....	3.46	−0.68	1.10	0.3	12	.....	.....	.....	.....	John A. Walters.
Ford, Lock 10[4]	Clark	575	17	.....	.....	.....	.....	.....	.....	.....	3.27	.....	0.50	3.0	9	.....	.....	.....	.....	O. Frank Powers.
Grassy	Carter	580	8	.....	.....	.....	.....	.....	.....	.....	2.55	−0.41	0.95	.....	12	.....	.....	.....	.....	T. Mitchell.
Greenup, Dam 30	Greenup	540	13	.....	.....	.....	.....	.....	.....	.....	5.29	.....	1.52	7.0	12	13	2	13	sw.	W. W. Duffield.
Harlan	Harlan	1197	5	39.5	.....	76[3]	24	- 7[3]	9[3]	40[3]	4.93	.....	1.48	7.6	14	.....	.....	.....	.....	Chas. O. Ihrig.
Hazard	Perry	869	9	.....	.....	.....	.....	.....	.....	.....	5.90	+2.58	1.94	5.0	12	.....	.....	.....	.....	S. C. Cole.
Heidelberg, Lock 14	Lee	804	16	.....	.....	.....	.....	.....	.....	.....	4.88	.....	1.11	.....	11	.....	.....	.....	.....	R. R. Davidson.
Jessamine	Jessamine	1066	9	.....	.....	.....	.....	.....	.....	.....	2.68	−0.65	1.18	.....	8	.....	.....	.....	.....	Russian Copley.
Jenkins	Lawrence	984	29	.....	.....	.....	.....	.....	.....	.....	4.19	+1.75	1.59	5.7	11	.....	.....	.....	.....	Jeanett H. White.
Olympia	Clay	...	13	.....	.....	.....	.....	.....	.....	.....	2.97	+0.26	0.80	7.5	17	11	4	13	se.	Terry E. Bennett
Maysville	Mason	525	36	35.6	- 0.9	62	24	4	9	33	5.08	+0.22	1.32	5.0	10	4	23	1	.....	Matthew Woodson
Middlesboro	Bell	1126	37	36.0	- 3.2	64	24	3	12	35*	5.10	+1.28	0.91	8.0	13	18	1	9	w.	W. B. McKee.
Morehead	Rowan	930	33	35.6	- 1.4	72	24	9	9	60	3.10	+0.25	0.90	5.0	13	.....	.....	.....	.....	Otto Riddle.
Morehead	.....	...	...	.....	.....	.....	.....	.....	.....	.....	1.[illegible]	−2.62	0.40	.....	8	.....	.....	.....	.....	Robert Repass
Morehead, Dam 32	Campbell	497	6	.....	.....	.....	.....	.....	.....	.....	5.17	+1.79	1.22	2.0	10	.....	.....	.....	.....	E. W. Sommerfield.
Pineville	Bell	636	27	.....	.....	.....	.....	.....	.....	.....	3.38	.....	0.62	2.0	15	13	0	15	.....	F. O. Hall.
Pikeville	Pike	1085	...	40.4	.....	75	24	- 5	6	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. W. Jones.
Prestonsburg	Floyd	646	8	.....	.....	.....	.....	.....	.....	.....	7.95	.....	1.96	5.5	11	.....	.....	.....	.....	Walter P. Bush.
Richmond	Breath H	732	7	37.9	.....	72	24	7	9	48	3.33	+2.37	1.56	.....	10	.....	.....	.....	.....	.....
Rowenna, Lock 12	Scott	691	15	.....	.....	.....	.....	.....	.....	.....	1.89	−1.66	1.0	4.3	12	13	3	12	.....	J. W. Crooke
Salyersville	Magoffin	926	42	38.6	+ 2.5	76	25	5	8	39	1.75	+1.57	1.68	1.0	13	.....	.....	.....	.....	Thos. Sandivan.
Valley View, Lock 9	Jefferson	541	20	.....	.....	.....	.....	.....	.....	.....	5.46	−0.54	1.38	.....	11	.....	.....	.....	.....	H. M. Fanning.
Versailles, Dam 39	Woodford	525	18	.....	.....	.....	.....	.....	.....	.....	3.55	.....	0.68	4.0	13	.....	.....	.....	.....	C. H. Zimmerman.
Wilmore	Jessamine	1142	8	.....	.....	.....	.....	.....	.....	.....	5.20	+1.66	1.20	6.0	16	17	1	10	.....	H. F. Davis.
Winchester	Clark	939	36	36.8	- 2.0	75	24	- 8	8[3]	43	5.[illegible]	+2.55	1.20	7.0	9	.....	.....	.....	.....	Cleveland Angel
Wolf, Lock 13	Lee	611	14	.....	.....	.....	.....	.....	.....	.....	4.25	+0.58	2.55	1.4	12	13	5	10	s.	.....
Average and totals	.....	...	...	37.8	+ 0.9	75	24	- 9	9	38	4.25	+0.58	2.55	1.4	12	13	5	10	s.	.....

All temperature data are taken from self-registering thermometers.

Dashes indicate that records of temperature and precipitation are not computed daily for such stations as have ten or more years of record, but all complete reports are received from regular temperature and precipitation observers. †Quincy, Beaconsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River and its tributaries.

In determining section or division means, temperature records for stations having less than ten years of record are not used.

Numbers in parentheses, e. g. [3], appearing in the table indicate number of days missing; for 2 days, to represent two days, etc. *Lexington is less than 6.01 inch rain or melted snow. §Lone Oak.

Stations reporting by letters, e. g. s, appearing in the table indicate means and summaries are based on other than hourly observations. ‡Beginning with June, 1931, precipitation data for Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8 Nicholasville, Ky.; Lock 10 Red House, Ky.; Scott, Independence, Ky.; Lock 11, Clay City, Ky.; Lock 12, Irvine, Ky.; Lock 13, Heidelberg, Ky.; Lock 14, Beattyville, Ky.; Lock 15, Hazard, Ky.; Lock 16, Carrollton, Ky.

Daily Precipitation for February, 1933.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
Western Division																														
Beaver Dam	.20						1.20	.05						.20	.45		.05	.20	.20	.42										
Cadiz	.44			T.	.03	T.	1.27	.05			.19		.03	.08	.23		.36	.10	.06	.28				1.18						
Fords Ferry Dam 50	.01	T.		T.			1.88	.04			.22			.18				.05	.04	.14	.26									
Greenville	.14			.03	.04		1.08	.08			.20			.40	.44		.11		.42	.24										
Henderson	.11				.12		1.95	.02			.13						.22		.26	.24										
Hopkinsville	.11	.02		T.	T.	.14	1.46	.05	T.	.17	.05	T.	.06	.44	.20		.06	.01	.64	.42				1.45						
Lawrenceville							2.00		.05	.25							.40		.28											
Marion																														
Mayfield					.47		2.00																							
Murray	.26	T.				T.	1.10	.02		.01	.40			.05	.12	.50			.35	.10				1.14						
Owensboro				T.	.50		1.14	.05		.08	.45		.15	T.	.80		T.	.20	.30	.43	T.		T.							
Owensboro, Dam 46	.26	.01		T.	.08	T.	.37	.10	.01		.10	T.		T.	T.	.55		.10	.04	.42										
Padueah					.02		2.05	.02			.25	.10	.12	.02		.40			.22	.33						.11				
Princeton	.03			T.	T.		.92	.14	T.		.30		T.	.12	.35		.20		.31	.30				1.52						
Ramsey, Lock No. 2	.30	.01		.05		.42	1.40	.02		.80		.02		.50				.42		.42				1.10	.10					
Russellville	.42			T.	T.		.68	.05			.50			.06	.08				.51		T.		T.							
Owentown, Dam 49	.26						.85	.02			.22			.06	.08			.58		.39				.84	.08					
Central Division	T.				.01		.52	.66	T.		.21			.07	.12					.10				.17						
Addison, Dam 45	.21	.16			.02		3.38	1.16	.01		.45			.11	.10		.01	.41	T.	.38				.77	.10					
Ancramoor	.23						.76				.15			.17	.02		.28		.20	.22										
Bardstown	.02			H			.80					T.		.02			.20		.22		T.			.38	.12					
Bowling Green	.14	.05		.01	.55		1.05	.11			.55			1.45	.50		.15	.14	.65	.36				1.05						
Brownsville, Lock No. 6	.14		.05	T.	T.		.94	.42	.13		.23			.98	.34		.42	.66	1.84	.42				1.08						
Burnside	.22	.05			.05		.75	.24	.10		.42			.27	.20		.15	.20	1.04	.72				.22	.45					
Carrollton (Lock No. 1)	T.	T.	T.		.05	T.	.77	.98			.29			.21	.10		T.	.15		.55					.15					
Cold Spring, Dam 36	.02			.04	.02		.92	.47																1	.25					
Dix Dam, Burgin		.12		T.	T.		.61	.04			.11			.09	.05			.16		.52				.27						
Eubank	T.			.02		.25	.52	T.		.33			.35	.50	.02	.18		1.44						.10						
Frankfort					.01		.23	.16			.20			.65	.20		.1	.38	1.16					.12						
Franklin	.16	T.			.01		.22	.46	.07		.18			.12	.27									.23						
Frost, Lock No. 3	.07						.82	1.29		.04	.21	.18	.10	1.57	.85		.24		.22						.07					
Grant, Dam 33	.22	.01					.22	.45	.03		.16		.01	.52	.10		.31	.01	.72					1.01						
Greensburg	.05	.16		T.	T.		.05	.53	.06		.16	T.		.68	.18			.22		.24					.46	.05				
Green River Lock No. 7	.10			.02	.02		.85	.04			.23				.10					.42				.03						
Irvington	.11	.12			.05		.28							1.58	.85		.15	.75	.51	.97				.11						
Lancaster				T.	T.		.02	.13		.05	.23		T.	.36	.51		.04	.18	1.20											
Leitchfield	.15					.11	.55	.01		.02			.80	.08	.11		.04		.32	.20				.71	.08					
Lexington	.12			.05	.05			.04			.50			.38	.67		.26	.15	.42	.64				1.17						
Little Hickman, Lock No. 8	.20			.01	T.	.01	.35	.10		.12	.17		.01	.52	.10		.31		.82	.51				1.02						
Lockport, Lock No. 2	.05				.04		.75	.25	.05		.28			.36	.56		.5	.24		1.36										
Louisville	.25			T.	T.	.30	.58	.10		.17		.10		.20			.20		.24					.75	.12					
Lunsford	.22	.02			.06	.07	1.01	.14		.19	.04	T.	.15	T.			.06		.52			T.	T.	.24						
Mt. John	.20				.06		.55	.50	.03		.25			.08	.68		.06	.18		1.08				.34	.13					
Melvin, Lock No 6	T.	T.		.06	.04		1.35	.17	.04	.08	.25	.10	.15	.55	.40		.10	.20	.50					1.14						
Shelbyville	.28			.02			.70	.25			.12			.28	.55		T.	.20	1.26					.58	.27					
Wayne, Lock No. 5	.08			.02			.82	.08			.17			.26	.27		.11	.17	.65	.38				.42						
Williamstown	.25				.02		.55	.03			.10			.16	.27		.02		.20	.50				.15						
Woodbury, Lock No. 4	.16		.01		.03		.75	.34	.02		.40			.41	.18		.02	.28	1.25					.10						
Eastern Division																														
Annville	.11				.02		.68	.46	.24		.16			4.21	1.05		.16	.20	2.44					.62	.51					
Ashland					.02		.60	.31	.09		.16			.17	.42			.02		.55	.02		.07	.61	.30					
Battyville	.68	.03			.02	T.		.40	.16		.22	T.		2.14	1.40		.11	.23	2.10					.61	.50					
Beech Hill, Lock No. 11	.10			T.	.04		.41	.54			.13			.83			.07	.25	1.32					.36	.75					
Bethania	.14	.02			.08		.14	.05	.13		.24			.46	.02		.08	.20	1.35					1.70						
Falmouth	.12	.04		T.	.04		.18	T.	.42		.15			.04	.11				.30		T.			.10						
Farmers	.15	.05					.11	.37	.07		.24			.21	.35				1.37					.49	.38					
Flemingsburg	.32						.18	.15		.17				.18					1.63											
Ford, Lock No. 10	.09	T.			.04		.11	.13	.03		.23	T.		.58	.52		.02	.15	1.10					.61	.30					
Grayson	.18						.18				.38			.07	.40				1.46											
Harrecup, Dam 30		.19			.02		.16	.38	.07		.12	T.		.07					.56					.28						
Hazard	.05		.18				.20	1.67						.16					.55					.71	.17					
Heidelberg, Lock No. 14		.02		.06	T.		.78	.12			.12			.12	.83	.05	.00	.45	1.18					.74	.08					
Jenkins		.06			.02		.05	.06	.07		.07			.08	.17		.01		.45					.53						
Louisa	.63			.12	.02		.02	.12	.15	.17				.63	1.04	.68		.59	.11	1.11					1.10	.37					
Manchester	.10					.03								.25	.20			.09	.11	.55						.1					
Maysville	.02				.02		.08	.03			.10			.20	.40		.13	.8	1.50					.11	.20					
Middlesboro	.02	.18		.01	.05	.17	.15	.43	.09	.15	.23			.16	.01			.16		.80	T.	.12		.04	.47					
Mount Sterling	.04						1.12				.04			.06	.26		.02	.11	1.03		.12		.04	.15						
Nolanta Dam 35	.15	.08		T.			.82	.24			.04			.06	.45		.00	.07	.32	.60				.71						
Nicholasville					.04		.07	.06	.07		.12			.02	.07			.08		.80											
Owingsville	.02	T.			.01		.18	.05	.10		.18			.25	.08			.08		.61			.04	.31	T.					
Paintsville	.02	T.	T.	T.	.07		.71	.43	.02		.15	.05	T.	.10	.04		.3	.10	.07	.25				.4	.58					
Richmond																								.82						
Vienna, Lock No. 12	.04	T.						.30	.25		.25			.2	.86		.06	.23	1.06		1.22			.13						
Wilmore					.02		T.	T.	.17		.14			1.10	.68		.16	.40	1.80					.54	.18					
Wolf View, Lock No. 8	.02			.07	.06		.07	.05	.20		.10			.05	.05		.15	.20	1.40		1.10									
Worthburg, Dam No. 32	.12				.03		.04	.50						.12	.50						.80	.02								
Wyoming					.10	.01	.08	.49	.10		.52			.11	.20		.02	.04	.58	.07	.68		.04	.42						
Yellow, Lock No. 13	.08				.10		.02	.80	.30	T.	.20			.00	.95		.20	.30	1.20					.05	.40					
							.42	.07			.18			.85					2.10					.95						

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. a Precipitation included in the next following measurement.

Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

Daily Temperatures for February, 1933.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	63	54	53	47	29	39	52	46	23	36	32	43	43	48	46	50	46	62	60	58	63	62	70	72	74	52	52	35	...	...	...	49.5
	Minimum	40	24	25	18	12	13	12	6	5	5	12	4	20	37	24	25	35	36	32	26	33	36	62	61	52	36	35	30	29	...	...	25.4
	Mean	52	39	39	32	20	26	32	26	14	20	22	23	31	42	35	37	40	49	46	42	48	49	66	66	63	44	43	32	30	...	...	37.5
Calhoun	Maximum	62	54	53	47	29	39	52	46	23	36	32	43	43	48	46	50	46	62	60	58	63	62	70	72	74	52	52	35	...	...	...	49.5
	Minimum	40	24	25	18	12	13	12	6	5	5	12	4	20	37	24	25	35	36	32	26	33	36	62	61	52	36	35	30	29	...	...	25.4
	Mean	51	39	39	32	20	26	32	26	14	20	22	23	31	42	35	37	40	49	46	42	48	49	66	66	63	44	43	32	30	...	...	37.5
Lexington	Maximum	57	51	47	44	33	42	52	22	17	36	33	42	41	46	41	53	50	50	53	54	60	...	...	...	...	31	28	32	...	...	...	*26.4
	Minimum	36	30	24	28	12	17	36	3	4	6	17	9	29	40	25	24	34	36	32	31	37	41	56	52	50	30	30	30	28	...	...	28.4
	Mean	46	40	35	36	22	29	44	12	10	21	25	25	35	43	33	38	42	43	43	42	48	...	...	...	...	30	29	31	...	...	...	*27.4
Greenville	Maximum	58	56	48	44	33	46	52	24	18	34	34	42	43	47	42	54	51	51	54	56	56	54	62	68	66	50	50	33	...	...	...	47.6
	Minimum	40	28	28	28	12	16	28	4	7	1	12	2	28	39	25	22	41	34	30	30	36	36	44	42	46	36	34	27	26	...	...	27.6
	Mean	49	42	38	36	22	31	40	14	12	17	23	22	36	43	34	38	46	43	42	43	46	45	53	55	56	43	42	30	29	...	...	37.6
Henderson	Maximum	55	56	48	40	30	38	47	32	26	32	32	42	42	46	44	52	50	52	52	54	58	56	62	68	66	50	50	33	...	...	...	47.2
	Minimum	17	32	26	25	11	11	18	8	1	7	13	12	29	37	23	25	36	32	30	30	36	36	44	42	46	36	34	27	26	...	...	27.9
	Mean	36	44	37	33	21	25	33	20	14	20	23	27	36	42	34	39	43	42	41	42	47	46	53	55	56	43	42	30	28	...	...	37.6
Hopkinsville	Maximum	60	56	50	45	34	41	54	24	22	35	34	45	46	52	41	56	52	58	58	57	62	60	68	72	72	54	54	36	34	...	...	48.4
	Minimum	17	34	26	29	14	18	24	5	2	7	15	11	29	40	26	25	34	36	32	30	36	36	44	42	46	36	34	27	26	...	...	27.1
	Mean	38	45	38	37	24	30	39	15	12	21	25	28	38	46	34	41	43	47	45	44	49	48	56	57	59	45	44	32	30	...	...	37.8
Lovelaceville	Maximum	57	58	56	46	38	41	47	17	19	34	33	41	43	48	46	50	46	58	58	57	55	50	58	58	57	50	50	33	...	...	...	47.8
	Minimum	40	31	25	28	16	18	18	4	10	5	9	6	29	37	25	22	36	36	32	30	36	36	44	42	46	36	34	27	26	...	...	27.1
	Mean	48	44	40	37	27	29	32	10	14	19	21	23	36	42	35	36	41	47	45	43	45	43	51	50	51	43	42	30	28	...	...	37.4
Marion	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*50.4
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*27.6
	Mean	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*39.0
Marion	Maximum	56	57	57	...	43	...	42	...	21	35	32	40	42	45	41	49	46	52	55	54	53	55	61	61	61	51	49	34	...	...	...	48.0
	Minimum	...	...	...	...	...	...	...	...	4	10	...	...	25	26	25	25	26	32	34	33	33	33	41	41	41	31	30	34	...	...	...	28.4
	Mean	...	...	...	...	...	...	...	...	13	23	...	...	34	36	33	37	36	42	45	44	43	44	51	51	51	41	40	34	...	...	...	38.2
Maxwell	Maximum	57	51	50	47	35	41	47	22	23	33	32	40	42	46	43	50	46	52	55	54	53	55	61	61	61	51	49	34	...	...	...	48.0
	Minimum	36	29	25	26	17	8	4	2	2	7	11	6	26	36	26	24	36	32	34	33	33	33	41	41	41	31	30	34	...	...	...	28.4
	Mean	46	40	38	36	26	24	26	12	12	20	22	23	34	41	34	37	41	42	45	44	43	44	51	51	51	41	40	34	...	...	...	38.2
Mayfield	Maximum	58	56	52	48	36	42	48	19	15	32	30	38	42	42	42	50	47	55	56	56	56	56	62	66	66	52	52	36	...	...	...	48.7
	Minimum	37	33	29	29	16	20	20	4	4	6	15	10	29	38	26	24	36	32	34	33	33	33	41	41	41	31	30	34	...	...	...	28.4
	Mean	48	45	41	39	26	31	34	12	10	19	23	24	36	40	34	37	42	44	45	45	45	45	52	54	54	42	41	35	...	...	...	38.6
Mayfield

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.

JAMES L. KINDALL, Meteorologist.

VOL. XXXVIII LOUISVILLE, KY., MARCH, 1933 No. 3

GENERAL SUMMARY.

Weather conditions during the month were generally unfavorable for growth and spring work. While temperatures at times rose considerably above normal for a few days, there was no sustained warmth. The prevailing weather was usually rather colder than the average, with raw winds, persistent cloudiness and too much rain. In the first week, which was fairly dry, and the most favorable period in the month for outdoor activities, sowing of tobacco plantbeds moved forward rapidly, some sod plowing occurred, oats sowing began, and some potatoes were planted. A few fair days in the second week permitted plantbed sowing to be completed, but frequent moderate to heavy rains almost entirely prevented further activities that required preparation of soil. The month ended with heavy rains, saturated soil, and early crop and garden preliminaries generally delayed. As a rule plantbed sowing was completed in good time, being practically the only spring work not seriously delayed; but lack of sunshine and warmth retarded the germination of the seed. Fallow land scarcely became dry enough to work when rain put a stop to all operations.

Wheat started very slowly and the plants appeared small and somewhat weak. No injury of consequence from winter freezes became evident as it began to grow. Barley and rye were generally larger and more vigorous. In the last week these crops made considerable growth. Pastures retained the winter aspect until late in the month. On warm slopes they grew moderately the last decade.

Peach trees bloomed in the southwestern counties in the last week, with evidence of considerable injury by the severe cold in February. At the end of the month much lowland was under water or had recently been flooded, and the soil in general was over-saturated.

TEMPERATURE.

The temperature averaged near normal, but oscillated sharply above and below in relatively short periods. On the 10th, which was the coldest day at most stations, minimum temperatures were usually below 20° and the mean for the day was 15° to 20° below normal. The 13th, 14th, 18th and 19th were decidedly warm, with maxima usually over 70°. The extremes were 78° at several stations on the 13th and 14th, and 10° at Covington on the 10th.

PRECIPITATION.

Precipitation ranged from 6.0 to 8.0 inches in a belt two to three counties in width immediately south of the Ohio River, extending from the Pureuse to the lower Licking Valley. Northeast from this district it diminished irregularly to less than 3.0 inches in the upper Cumberland basin. A few counties in the central bluegrass region and several in the southeastern mountain region received less than 4.0 inches. In most northern, central, and western sections the rainfall considerably exceeded the seasonal average. For the entire State the average amounts reported from 82 stations was nearly 1.0 inch greater than the normal precipitation. The heaviest rainfall, 9 to 10.9 inches occurred in the Southern Pennyroyal and on the north border of Kenton and Campbell counties.

Moderate to heavy rains occurred generally in the periods 5th-15th, 18th-21st, and 26th-31st. The rainfall at the

[illegible]

MISCELLANEOUS.

[illegible]

PRESSURE, WIND, HUMIDITY AND PRECIPITATION.

Stations.	Mean.	Highest.	Date.	Lowest.	Date.	Mean Sea Level, Barometer reduced to Sea Level.	Prevailing Direction.	Resultant Velocity.	Total Movement.	Fastest Mile.	Direction.	Date.	Mean.	Greatest Daily.	Date.	Total.	Departure from Normal.
Cairo	Ill.	30.62	30.53	10	29.36	7	S.	6	5	33	E.	14	80	93	8	3.34	
Cincinnati	O.	30.61	30.5		28.9	9	S.	9	7	33	SW.	14	82	93	8	4.54	
Evansville	Ind.	30.65	30.5	10	29.0	9	S.	9	7	33	SW.	14	82	93	8	4.42	
Hopkinsville	Ky.	30.6	30.5	8	29.3	20	S.	8	6	33	SW.	14	82	93	8	4.28	
Louisville	Ky.	30.65	30.54	8	29.46	20	S.	12.5	10	46	SW.	14	81	93	8	4.29	

COMPARATIVE DATA FOR MARCH.

Year.	Temperature: Mean.	Departure.	Highest.	Lowest.	Precipitation: Average.	Departure.	Greatest in 24 hours.	Least.	Average Snowfall.	Number of days: Thunderstorms.	Clear.	Partly Cloudy.	Cloudy.
1880	39.5	- 5.6	84	18	1.32	-3.17	4.8	0.21					
1881	47.2	- 4.9	78	4	8.39	+3.72	17.8	4.57					
1882	41	- 5.7	74	2	3.78	-0.26	9.75	2					
1883	50.6	- 0.5	82	20	4.04	-0.5	9.75	2					
1884	45.9	- 1.1	86	8	3.47	-0.5	5.77	2					
1894	50.8	+ 4.7	84	20	4.72	+1.68	7.82	1.61					
1895	45.6	1.1	83	15	3.17	-1.45	6.81	1.16			13	9	10
1896	41.1	- 3.0	80	3	3.91	+1.54	9.39	2.32		12	8	6	17
1897	45.6	+ 3.5	86	16	5.04	+3.32	12.87	1.67	0.2	12	8	9	14
1898	45.7	+ 4.6	87	16	3.46	-0.27	10.32	1.05	0.7	12	8	9	14
1899	45.5	- 2.2	80	8	3.50	-1.23	8.10	1.45	0.5	12	8	6	17
1901	42.8	+ 3.3	81	1	12.58	+7.71	5.13	1.11	3.3	8	11	10	10
1902	46.4	+ 0.3	87	12	3.50	-1.32	8.8	1.8	0.3	11	7	8	15
1903	47.2	+ 1.2	84	20	4.42	-0.46		1.65	0.7	11	7	8	15
1904	42.5	+ 0.4	82	12	3.21	-1.67	5.84	1.22	0.1	11	7	8	15
1905	45.7	+ 1.6	84	16	3.50	-1.38	6.82	1.85	0.5	12	8	6	17
1906	42.4	- 0.1	82	12	3.27	+1.05	5.29	1.05	0.5	10	8	8	15
1907	40.2	- 6.0	78	2	3.37	-0.17	7.80	1.75	T.	12	8	8	15
1908	51.7	+ 5.8	92	16	3.63	+1.01	9.10	2.02	2.6	15	7	8	16
1909	51.5	+ 5.7	88	19	3.63	-0.74	7.31	2.76	0.8	10	11	7	12
1910	44.8	- 1.3	71	17	5.13	+0.79	8.86	2.33	2.7	13	7	7	14
1911	35.0	+ 8.9	62	11	0.72	-2.7	0.95	T.	0.2	5	13	8	10
1912	46.0	- 0.1	76	7	2.35	-2.07	6.24	1.1	1.1	11	8	11	12
1913	41.5	- 4.5	74	2	3.36	-1.1	6.55	1.43	2.4	8	11	12	8
1914	36.5	+ 0.4	65	11	2.11	-1.31	5.10	1.17	3.7	10	7	8	16
1916	38.9	- 2.6	74	4	3.60	-1.23	5.75	1.83	3.7	10	9	7	15
1917	38.9	- 0.7	80	9	5.39	+0.56	9.61	2.03	2.1	11	7	8	16
1918	43.6	+ 5.6	84	17	3.76	-0.8	5.50	1.03	1.1	11	7	8	12
1919	47.6	+ 1.7	84	26	5.45	+3.03	9.61	2.23	T.	13	7	7	17
1920	46.5	- 0.2	84	19	4.23	-0.25	7.41	2.15	0.6	12	8	6	17
1921	37.7	-10.0	71	1	4.23	+1.31	8.05	2.23	T.	12	8	6	17
1922	44.4	+ 3.3	86	19	5.11	+1.43	9.22	2.13	0.5	13	8	6	17
1923	45.6	- 0.5	84	17	4.11	-0.44	7.62	1.5	1.1	11	8	7	16
1924	41.5	- 4.8	82	1	5.27	+1.35	8.87	2.13	T.	12	8	6	17
1925	45.2	+ 5.1	84	5	3.56	-1.03	7.19	1.1	0.4	9	10	7	14
1926	50.2	+ 5.3	84	26	4.56	-1.13	10	1.1	0.4	13	7	7	17
1927	48.4	+ 2.3	84	26	4.64	+1.01	12.21	2.36	5.5	13	12	7	12
1928	46.5	+ 0.5	82	19	2.64	-1.07	5.10	1.82	2.7	10	12	7	12
1929	52.6	+ 7.4	84	28	3.47	-0.24	10.30	1.82		11	7	7	17
1930	44.5	- 1.6	76	8	2.47	-1.24	5	1.1		7	11	7	13
1931	42.1	- 4.6	78	24	8.0	+4.77	8.11	2.15		12	7	7	17
1932	42	- 4.9	78	8	3.5	-0.2	8.11	2.15		12	7	7	17
1933	46.1	- 0.1	78	10	6.0	+2.7	12.21	2.36	5.5	13	12	7	12
Total	45.1		92	- 2	4.0		17.8	T.	1				2

Climatological Data for March, 1933.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	29	48.1 + 0.5		78	14	20	10	36	6.52	+2.28	1.98	0	12	13	8	10	e.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	29	47.2 − 2.0		77	14	20	10	32	7.32	+2.60	1.52	T.	14	4	18	9	e.	W. A. Taylor.
Earlington	Hopkins	420	43	47.5 − 0.2		77	13	21	10	34	6.56	+1.57	1.44	0	12	12	7	12	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	4								5.71		1.80	T.	11					W. D. Hatcher.
Greenville	Muhlenburg	519	16	47.0 − 1.2		76	13	19	10	37	6.39	+1.44	1.90	0	12	10	13	8	s.	C. R. Lovell.
Henderson	Henderson	382	19	45.7		77	13	20	10	41	5.45	+0.42	1.59	0	14	8	3	20	se.	Richard Stites
Hopkinsville	Christian	524	37	48.6 − 0.7		77	13	20	10	39	8.06		3.25	5	9	13	9	9	s.	W. E. Graves.
Lovelaceville	Ballard		4	48.2			78	22	10											Blaine Malone.
Marion	Crittenden	571	35																	B. C. Paris
Mayfield	Graves	354	24	47.8 − 3.1		76[1]	13	23[1]	10	43[1]	8.60	+3.59	2.30	0	7	13	6	12	nw.	Mrs. C. R. Sowell.
Murray	Calloway	412	7	47.2		77	13	22	5†	40	8.99		2.26	T.	9	10	8	13	s.	Harry B. Arnold
Owensboro	Daviess	479	36	44.8 − 2.3		75	13	17	10	30	7.40	+2.87	1.50	T.	13	6	11	14	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	5								6.82		2.07	T.	13					George McGlemary.
Paducah (near)	McCracken	516	16	47.2 − 2.0		77	13	21	10	36	7.35	+2.03	2.47	0	13	9	10	12	se.	J. W. Lilley
Paducah	McCracken	341	44								6.81	+2.44	3.05	T.	10					Frank L. Brown.
Princeton	Caldwell	529	26	47.6 − 0.9		78	13	20	10	39	7.26	+2.11	2.25	T.	12	14	3	14	s.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	384	16								6.59	+1.97	2.48	0	10					Thos. L. Wetzell.
Russellville	Logan	590	22	*43.8 − 4.0		78[a]	18	20[a]	11	37[a]	4.06	−0.93	1.55	0	9	13	6	12	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	5								5.26		1.90	0	12					Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	352	5								6.11		1.47	0	14					C. L. Moore.
Anchorage	Jefferson	700	32	*42.8 − 2.2		77[a]	14	15[a]	10	44[a]	5.52	+1.39	2.21	T	7	17	7	7	se.	C. E. Barret.
Bardstown	Nelson	637	26	45.8 − 1.1		74	14	17	10	38	5.63	+0.86	1.80	0	10	11	7	13	sw.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	44	49.0 + 0.5		77	14	22	10	37	5.03	+0.31	2.03	T.	10	9	8	14	w.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	469	8								4.80		1.92	0	10					T. Rone
Brownsville, Lock 6	Edmonson	410	16								5.24	−0.97	1.50	0	11					Virgil M. Whalin.
Burnside	Pulaski	773	42								2.57	−2.67	1.15	T.	5					T. A. Lewis
Carrollton, Lock 1	Carroll	422	34								7.87	+4.29	2.14	0	9					Shelby Angel.
Cold Spring, Dam 36	Campbell	489	7								10.05		2.57	0	15					Reuben Hartley.
Danville	Boyle	540	0																	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	5	46.9		75	14	18	10	34	6.11		0.83	T	11	10	8	13	sw	C. W. Williams.
Eubank	Pulaski	1177	39	44.6 − 1.5		74	14	17	10	38	3.50		0.71	T.	14	13	2	16	w.	Mrs. Katie Payne.
Frankfort	Franklin	560	41	45.6 − 1.0		76	14	17	10	40	5.44	+2.83	2.75	T.	14	13	2	16	w.	Sidney Wood.
Frankfort	Franklin	560	41	45.6 − 1.0		76	14	17	10	40	5.44	+2.83	2.75	T.	14	13	2	16	w.	H. H. Willis.
Franklin	Simpson	691	38	48.9 − 0.7		76	14	22	10	37	5.13	+0.38	1.50	0	12	12	9	10	s.	M. E. Johnson.
Gest, Lock 3	Henry	449	22								6.46	+1.30	1.26	0	12					Louis Shiddell.
Grand, Dam 53	Boone	780	5								7.57		2.12	0	14					R. W. Sprague.
Greensburg	Green	581	40	47.0 + 0.4		76	14	20	5†	38	4.53	−1.12	0.85	T.	15	2	4	25	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	31								3.35	−1.06	0.71	0	14					Miss Ruby L. Simpson.
Irvington	Breckinridge	546	35	46.0 − 1.2		75	14	10	10	28	8.00	+3.28	1.57	T.	12	11	5	15	sw.	W. J. Piggott
Lancaster	Garrard	1032	7								5.66		1.95	0	13					John Kithion.
Leitchfield	Grayson	695	37	46.0 − 0.5		73	14	18	10	31	5.19	−0.34	1.65	0	12	11	5	15	nw.	H. H. Willis.
Lexington	Fayette	989	49	42.6 − 1.1		71	14	15	10	28	4.70	+0.42	1.50	T.	12	12	7	12	e.	U. S. Weather Bureau
Lock Jackman, Lock 4	Jessamine	523	22								6.32	+2.24	1.15	0	12					Horace Carter.
Loockport, Lock 2	Henry	476	23								6.11	+1.72	1.96	T.	12	7	7	17	nw.	Frank Mitch.
Louisville	Jefferson	525	60	44.2 − 1.2		75	14	16	10	35	4.63		1.48	0	12					U. S. Weather Bureau.
Madisonville	Hart	660	19								5.98	+0.99	1.20	T.	11	16	4	11		A. G. Hubbard.
St. John	Hardin	757	37	44.8 − 0.7		73	14	17	10	33	8.56	+5.06	3.15	0	10					Sisters of Loretto.
Salvisa, Lock 5	Mercer	490	19								6.99	+2.01	1.72	T.	12	10	5	18	sw.	Ernest M. Searcy.
Shelbyville	Shelby	825	41	44.0 − 0.9		73	14	15	10	34	6.25	+1.61	1.05	T.	11	12	6	13	w.	Miss Kath Ratta.
Taylorsville	Spencer	689	31	44.6 − 2.1		75	14	18	10	36	5.76	+2.23	2.00	0	10					P. D. Bourne.
Terrace, Lock 5	Anderson	526	15								7.70	+3.23	1.80	T.	13	15	6	10	w.	J. R. Vaughn.
Williamstown	Grant	944	30	44.0 − 0.6		76	14	13	10	38	3.90	−1.48	1.26	0	12					Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	533	16																	H. J. Lewis.
Eastern Division.																				
Annville	Jackson										3.91		1.55	T.	11	10	6	15	nw.	W. A. Worthington.
Ashland	Boyd	534	14	45.4 − 2.2		75	14†	17	11	28	4.55	+0.56	1.90	0	14	9	0	22	w.	Jacob Armbruster.
Beattyville	Lee	660	29					16	11		3.72	−1.39	1.20	T.	13	7	15	9	ne.	Robert S. Smallwood.
Berea	Madison	1070	28	45.8 − 1.8		76	14	17	10	36	4.58	−0.16	1.24	T.	15	14	0	17	w.	Chas. C. Graham.
Cabins Hill, Lock 11	Madison	601	23								3.93	−0.23	1.30	0	12					Kody Walden
Cynthiana	Harrison	654	15								6.85	+2.58	3.10	T.	13					P. H. Kebow.
Falmouth	Pendleton	600	24								6.87	+2.74	1.55	T.	15					J. V. Oldham.
Farmers	Rowan	668	25	45.4 + 0.1		76	14	15	11	45	5.95	+1.52	1.56	0	14	7	7	17	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	8								3.91	−0.24	1.17	T.	12					C. A. Glascock
Ford, Lock 10	Clark	553	17								5.15		2.26	T.	12					John A. Walters.
Grayson	Carter	589	8								4.24	+0.58	1.50	0	16					Capt. Frank Powers.
Greenup, Dam 30	Greenup	510	13								4.15		1.70	T.	9	15	3	13	sw.	C. Mitchell.
Harlan	Harlan	1197	5	46.8		78	18	21	5†	46	3.20		1.22	T.	11					W. W. Duffield.
Hazard	Perry	869	9								3.60	−0.64	1.30	T.	12					Chas. O. Ihrig.
Heidelberg, Lock 15	Lee	664	16								3.66		1.08	T.	9					S. C. Cole.
Jenkins	Letcher	1565	9								8.43	+1.34	2.78	0	11					R. R. Davidson.
Latonia	Lawrence	684	29	6							3.95	−0.55	1.58	0	8					Russian Copley.
Manchester	Clay		13								5.87	+1.39	2.62	T.	15	6	5	20	sw.	Jeanett B. White.
Maysville	Mason	524	36	43.4 − 1.2		71	14	16	10	37	3.36	−2.08	1.60	0	8	16	14	1		Perry E. Bennett
Middlesboro	Bell	1125	37	*46.4 − 2.1		72[a]	14†	10[a]	11	35[a]	5.20	−0.01	1.60	0	14	14	5	12	nw.	Matthew Woodson
Morehead	Rowan	970	43	44.0 0.0		77	14	15†	10	37	7.70	+4.12	2.01	T.	13					W. R. McKee.
Owingsville, Dam 35	Bath	497	6								4.75		1.13	T.	11					Otto Riddle.
Paris	Bourbon	767	6								3.34	−0.78	1.50	0	6					Eugene Duffel, Jr.
Pikeville	Pike	636	27								4.26		1.25	2.0	12	14	0	17		Robert Repass
Pineville	Bell	1035		47.0		78	20	18	11	39	5.24		1.60	0	9					L. W. Summerfield.
Rockhold	Breathitt	732	7	46.4		77	14	16	11	46	3.69	+0.09	1.15	0	10					R. W. Jones.
Rowenna, Lock 12	Estill	731	15								3.76	+0.25	1.58	0	10	13	7	11		Walter P. Bush.
Shepherdsville	Madison	526	42	45.2 − 0.8		75	15	18	10†	39	3.09	−0.73	0.50	0	11					Thos. Sullivan.
Wallace Dam, Lock 9	Madison	541	26								5.57	+1.05	2.20	0	15					H. M. Tinnin.
Warsaw, Lock 1	Lewis	526	13								3.52		1.37	0	8					C. H. Zimmerman.
Wax	Lawrence	1142	8								4.77	−0.20	1.75	0	9	19	6	6		H. F. Davis.
Wheelwright	Floyd	937	36								4.79	+0.62	1.50	0	11					Cleveland Angel
Williamsburg, Lock 14	Whitley	611	14								5.52	+0.66	3.23	T.	11	7	12	12	s.	
Station number and name				46.0	0.1	79	13†	10	10	44										

All temperature data are taken from self-registering thermometers.

The departure from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published.

In determining section or district means [illegible] Rivers, Brownsville and Woodbury are Lock 6 on the Green River; other Locks are on the Kentucky River.

Reference letters, "a," "b," appearing in the table indicate number of days missing; for example, b represents two days, etc.

A dash (—) in other columns indicates that no record or estimate is available. † Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

‡Boone (Gallatin), Ky.

¶Post-office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

[illegible] page 2 Station [illegible] the old [illegible] Farm

[illegible] 592.

Daily Precipitation for March, 1933.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G																															
Calhoun	G						.35	.11						.07	.13			.29	1.98	.35	.10		.3		.3							
Earlington	G				T.	.78	.06						.68	.03	.40			13	1.58	1.15	.26	.03		.20		.10							
Fords Ferry Dam 50	O				T.	.60	.05						.02	T.	.25			.29	1.05	.20	.15	T.		.27		.2							
Greenville	G					.16	.13						T.	T.	.50				.28	1.38	.53	.10		.25	T.	.2							
Henderson	O					.65									.12	.20			.05	1.15	.42	.05		.24									
Hopkinsville	C					.83								1.51					.86	.72	.42			.14									
Lovelaceville	M				.01	.31	.06	T.						.02	.40			.03	.01	1.34	.30	.03		.4									
Marion	O				.90														1.25		.30			.4									
Mayfield	K													.45				.32	1.25		.37		.26									
Murray	T						1.45																									
Owensboro	O				.10	.02	T.	T.					T.	1.12			.43		1.85		.70					.60							
Owensboro, Dam 46	O					.54	.50						.56	.35	.55			.32	.20	.16	T.	T.		.6	T.	T.							
Paducah (near)	O					.39	.28		T.				.03	.12	.03			.48	.02	1.44	.55	T.		.55		.18							
Pembroke	C				.32	.60								.06	.40			.24	.02	1.06	.48	.23	T.	.26		.15	T.						
Princeton	O					.52	.05											.24	.09	1.05	.56			.27	.03	.20							
Ramsey, Lock No. 2	G				.10	.30		T.					.01	.20	.30				.31	1.12	.24	.04		.25		.2							
Russellville	G					.48	.04											.11	2.28	.8	.20	T.		.94	T.	.37							
Uniontown, Dam 48	O					.80	.05							.40	.40				1.52	2.40	.30			.35		.20							
Central Division						.30	.18						T.	.17	.61				.23	1.05	.14			.20	.18								
Addison, Dam 45	O														.77				.24	.92	.37	.03		.29		.25							
Anchorage	O					.26	.38							.01	.37	.71			.05	1.22	.11	.24	T.	.33	.02	.18							
Beaver Dam	S					1.13		T											.20	.90	1.05			.2									
Bowling Green	G					.30	.05						.15	T.	1.20				2.21	.12	.42			.22		.11							
Bowling Green, No. 2	G					.30				.20			T.		.90				.90	1.05	.45			.35									
Brownsville, Lock No. 6	C					.88	.16	T											.20.2	1.8	.48			.12		.28							
Burnside	S					.50	.20							.72	.86				.24	1.12	.38	.78		.10		.14							
Carrollton (Lock No. 1)	K					T.	.27		T.				.01	1.65					.32	1.99	.30	.41				.20							
Cold Spring, Dam 36	O					.53	.58							.77					T.	1.16		.27		T.	.25								
Danville	K					.30	1.26	.05	.01	T.		.27	.05	1.80					1.50	2.14	.23	.37				.2							
Dix Dam, Burgin	K																		1.72	2.57	.06	.56	T.	.20	T.	.15	.03					
Auburn	O				.20	.27		T.			T.	.21	.50					T.	.58	.48	T.	.10	T.	.26									
Frankfort	K						.32			T.				.60						1.19				.20		.18							
Franklin	K					.21	.60	T.				T.	.11	.21					.22.2	.75	.18	.37	.06	.21	.08	.17	.05		T.	.32				
Green, Lock No. 3	G					.45	.13	.02						.05				.11	.35	1.50	.34	.34		.14		.20							
Grant, Dam 39	K					.66	.04	.02											.48	1.26	.20	.63		.23	.16	.17							
Greensburg	O		T.			.54	1.36	T.	T.	.01	T.	.59	.15	1.23	.32				.52	2.22	.05	.59	T.	.24	T.	.15	.05		T.	.24				
Green Bridge, Lock No. 7	K					.34	.05	.61	.01			.01	.07	.60					.63	.50	.03	.42		.18	.02	.22	.05			.23				
Irvington	O					.22	.23						.06	.32	.71				.03	.70	.04	.42		.17		.06				.12				
Lancaster	K					.97							.18	1.57	.31			T.	1.35	.91	.42	.15		.17									
Litchfield	G				.20	.27						.05	.57	1.05					1.25		.40		.35	.05	.20								
Lexington	K		T.	T.	.01	.60	T.	T.					T.	T.	.07			.03	.10	1.65	.40	.07		.28		.20							
Lock No. 2	K					.24	.27						.21	1.45				T.	1.42	.05	.76	T.	.01	.20		.19							
Mammoth Cave	O					.22						T.	.16		.93					.80	T.	.40	T.	.17	T.	.14							
Munfordville	O		T.	T.	.17	.77					T.	.19	.47					.72	1.15	.15	.62	T.	.16		.28								
Mt. Sterling	K					.80		T				.06	.07	.68	T.		T.	T.	1.90		.68	T.	.12	.6	T.	.10			T.	.29				
Nolin	S					.35	.08						.50						1.90		.68	T.	.12	.6	T.	.10				.29				
Nolin, Lock No 6	K					.55							.09	.28					.07	1.48	.21	.47		.13		.2							
Owingsville	K					T.	.70						.03	.53					.24	1.26	.40	.25		.22		.2							
Taylorsville	S						.06						.22.2	.18	1.25				.10	1.34	.20	.55	T.	.27		.25				.01				
Tarrone, Lock No. 5	K		T.			.52							.09	.77	.51				.72	.93	.72			.32		.16				.07				
Williamstown	L					.69							.21	.91	.17				1.05	.75	.74	T.		.34		.28				.18				
Woodbury, Lock No. 4	G			.03		1.10							.45	.06					2.66		.87	.01		.20						.16				
Eastern Division						.44	.16		T.				.67	.24	.66				1.06	1.06	.85			.20		.27				.10				
Danville	C		T.				.22		.05					.04	.25				.46	1.30	.34	.16	T.	.16		.24				.07				
Ghent	O						.22																									
Harrodsburg	K		T.		.17	.45	.03	.61				.08	.4	.75					1.87		.36	.01	.12		.30	.03							
Hickman	K				.62	.28	T.	.12											1.90		.20		.07	.60	.60	.20							
Horse Hill, Lock No. 11	K				.35	.17	.05						.16	1.20					1.10		.45	.62	.23	.02	.20	.05							
Hopkinsville	L				.07	.15							.27	.88				.04	1.24	.29	.03		.32		.20								
Lancaster	L				.50	.52	.02	T.				.05	.25	1.3				T.	1.29		.50	F.		.05	.10	.05							
Lemons	K				.56	.57		.12	T.			T.	1.60						.53	1.10	T.		T.	.13	.10	.15	.10						
Lexington	L				.19	.41	.12					.14	.49	.01					1.88	1.21	.28	.42	T.	.15	.06	.16	.01						
Lock No. 10	K											.09	.6	.04					1.50	.50		.29		.20	.10	.24		.12					
Lyon	K		T.			.10	.35	T.				.01	.66	.67						2.11		.52	.31	.46									
Millersburg, Dam 30	O	.15				.16	.17					.13	.20	.11				T.	1.17	T.	.34	T.	.19	.01	.10	.07			T.	.18				
Orlando	L					.72	.25	.32	.02			.15	.17	.48					.03	1.76	.42	.02		.08	.28	.06	.20							
Paducah	K					.10	.65							.12					.03	1.76	.42	.02		.08	.28	.06	.20							
Pittsburg, Lock No. 14	K						.25		.10					.52					.65	1.70	.06	.45	T.		.42									
Pleasureville	K					.06	.27					.03	.06	.20						.95	.06	.15	.03	.06	.06									
Pleasureville	L					.44														.92		.30		.18	.02	.2	.06						
Winchester	K						.28						.15	.30					.75	.30	.44	.48				.10	.11							
Zaysville	O		T.			.15	.28							.36	.75				2.28	.04	.23		.30	.16	.10	.15							
Caldesboro	O					.32	.67	.07	T.				.68	.87	.51				1.88		.52		.10		.27								
Mount Sterling	L					.59	.12							.10	1.05				.23	1.62	.11	.30		.13	.06	.09	.22						
Nonia, Dam 35	O					.55	.15												.08		.37											
Zatsville	B		T.		.30	1.18	T.	T.	T.			.29	1.60	.45			.03	.56	.70	.90	.40		.27		.27							
Zeville	B				.14	.07						.52	.80	.42				1.26	2.01	.06	.87	T.	.11	.01	.15	.05							
Zeppass	K				T	.15	T.					.14	1.32	1.18					.52	.80	.06	.14		.18		.23							
Zickard	K		T.	.04		.38	.15		.05			T.	.28	.25					1.98		.30	T.	T.		.68								
Zimmo, Lock No. 12	K			.21		.46							.26	1.25					.18	1.17	.15	.14		.11		.45							
Zimmond	K		T.	T.	T.	.18		.10				T.	.66	1.60					1.70		.58	.20		.24			.11						
Zey View, Lock No. 9	K				.50							T.	.04	1.15				T.	.87	T.	.43	T.	.24	.11	.18	.05							
Zesburg, Dam No. 32	K				.65							T.	.6	1.5				T.	.96	T.	.3	.27	.45	.26	T.								
Zoesburg	O				.26	.18	.16					.2	.70	.58					.05	.40	.01	.20	.01	.16	.03								
Zunsburg	K		T.																.6	2.50		.36		.16	.25	.16	.01						
Zow, Lock No. 13	C					.46														1.07	.10	.54		.50		.03	.01		T				
	E				.20	.20														1.75		.30		.07		.20							
					.09	.35													.10	.09	.77	.36		.20									

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at that time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

(.) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

(,) Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

§ Long Oak

Daily Temperatures for March, 1933.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	55	50	46	52	52	54	53	61	59	41	54	61	53	78	61	60	67	71	72	71	53	59	56	53	58	57	52	68	67	65	62	59.5
	Minimum	31	25	34	34	24	34	40	39	29	20	21	28	38	38	23	46	30	52	57	42	30	26	35	26	43	30	37	40	31	49	54	36.7
Calhoun	Maximum	54	49	44	45	48	62	51	60	51	38	52	60	75	77	57	69	63	67	71	68	39	29	37	39	43	35	41	60	63	60	53	56.9
	Minimum	33	24	34	35	28	33	41	40	30	26	25	32	56	57	33	39	35	53	58	36	29	29	37	39	33	35	34	42	43	53	54	37.7
Darlington	Maximum	57	53	46	47	52	51	56	53	61	44	53	61	59	78	65	66	69	72	69	65	45	61	59	56	56	55	59	68	68	68	64	58.3
	Minimum	31	27	33	33	22	30	40	41	30	21	22	30	50	56	33	39	35	63	71	70	45	45	61	53	56	56	55	69	68	68	64	53.3
Greenville	Maximum	53	49	41	50	51	53	45	60	55	37	50	59	76	78	65	66	68	72	76	70	65	65	71	70	65	45	61	53	56	56	55	56.9
	Minimum	31	28	32	32	24	31	35	36	32	32	30	40	58	56	30	38	32	53	58	54	35	35	50	50	51	51	54	67	60	58	49	45.6
Henderson	Maximum	64	48	43	45	51	62	52	60	53	32	50	60	78	76	50	58	64	70	68	63	54	56	58	57	58	58	58	68	69	66	65	58.5
	Minimum	33	27	33	34	28	32	34	36	30	18	25	32	53	49	31	30	38	50	45	34	28	27	36	28	41	39	39	38	38	40	36	35.5
Hopkinsville	Maximum	60	53	45	51	55	52	51	61	56	35	53	60	77	76	55	65	64	72	73	66	42	58	55	52	57	56	58	72	65	70	65	60.3
	Minimum	30	29	32	32	28	36	40	37	30	23	26	33	57	52	32	36	32	52	56	41	31	27	37	39	39	39	39	70	69	72	68	60.0
Lovelaceville	Maximum	57	53	46	47	52	51	56	53	61	43	53	61	75	77	59	62	63	69	68	65	48	56	58	56	58	58	58	68	65	70	66	59.4
	Minimum	31	27	28	26	26	32	39	35	32	32	23	28	57	52	31	30	32	52	50	34	28	27	38	31	40	39	36	52	51	54	58	37.4
Marion	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Mayfield	Maximum	55	52	51	48	53	50	46	60	59	43	44	59	76	72	...	...	...	...	...	...	28	...	58	...	...	...	...	73	69	68	...	158.9
	Minimum	33	29	32	32	34	35	39	33	29	21	20	29	...	43	39	26	38	49	57	46	28	27	35	25	35	30	36	42	33	50	51	35.1
Murray	Maximum	84	37	39	27	27	28	26	40	34	29	35	37	48	65	77	76	50	64	62	70	70	67	80	68	64	55	58	60	70	65	78	64	59.1
	Minimum	82	37	39	27	27	28	26	40	34	29	35	37	48	65	77	76	50	64	62	70	70	67	80	68	64	55	58	60	70	65	78	64	59.1
Owensboro	Maximum	57	50	48	49	55	53	53	61	57	48	53	61	77	76	59	62	63	69	68	65	53	58	58	56	58	58	58	68	65	70	66	58.3
	Minimum	31	28	36	32	27	34	35	39	30	17	21	30	51	50	32	30	33	52	56	39	28	27	38	31	40	39	39	70	69	72	68	56.0
Paducah (near)	Maximum	54	52	44	48	52	50	46	60	58	40	47	58	77	78	64	67	68	73	73	68	61	62	67	65	68	66	66	72	69	70	66	59.4
	Minimum	32	30	28	27	27	28	33	40	30	25	32	37	52	50	32	30	33	52	56	42	28	27	38	31	40	39	36	52	51	54	58	37.4
Princeton	Maximum	56	48	39	48	52	50	46	60	58	40	47	58	77	78	64	67	68	73	73	68	61	62	67	65	68	66	66	72	69	70	66	59.4
	Minimum	34	31	32	32	27	35	34	40	34	20	23	29	56	55	32	33	32	55	58	34	24	25	36	28	43	38	37	56	55	57	58	36.9
Russellville§§	Maximum	51	44	40	45	51	50	47	52	42	33	50	...	72	76	48	52	64	66	72	64	57	58	58	57	56	57	56	67	59	65	67	54.5
	Minimum	33	29	32	32	34	35	39	33	29	21	20	29	...	43	39	26	38	49	57	46	28	27	35	25	35	30	36	42	33	50	51	35.1
Central Division.																																	
Anchorage	Maximum	50	45	39	43	48	52	47	46	42	36	42	52	65	77	64	54	61	65	68	69	54	55	46	56	48	54	52	62	54	62	64	...	54.9
	Minimum	25	18	32	25	21	28	37	34	29	16	18	18	32	49	25	25	30	47	56	48	32	28	27	36	32	23	30	35	32	36	44	...	30.8
Bardstown	Maximum	51	45	38	45	50	58	52	58	55	16	52	53	70	74	70	68	68	70	70	65	45	57	55	50	57	56	57	61	64	61	56	44	54.2
	Minimum	27	24	28	28	24	28	29	38	26	17	21	26	51	54	34	27	32	52	52	51	44	29	28	24	26	31	33	34	34	34	46	44	37.8
Bowling Green	Maximum	56	48	42	51	52	51	52	54	56	42	53	61	74	77	70	64	67	75	72	65	44	63	58	56	60	59	59	66	69	70	68	67	.....
	Minimum	32	27	30	35	25	31	41	40	33	22	24	29	54	54	36	36	37	52	56	41	30	28	41	25	47	45	49	66	60	59	61	67	.....
Danville	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	57	46	50	50	35	27	40	31	33	35	31	40	53	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	37	28	32	32	25	25	30	30	30	30	30	30	45	.....
Dix Dam	Maximum	52	50	40	50	52	50	52	56	54	37	50	57	67	75	70	57	66	72	71	67	48	58	55	50	56	56	55	65	67	66	61	61	57.9
	Minimum	35	23	32	26	25	31	40	39	37	27	30	37	58	57	37	32	37	52	49	42	32	32	37	30	40	31	32	32	36	36	36	36	35.9
Eubank	Maximum	48	42	35	40	53	57	49	58	57	38	40	49	68	77	67	63	64	68	70	67	46	57	55	51	57	56	58	68	65	68	65	58	55.9
	Minimum	23	20	28	31	20	25	40	35	28	17	26	25	46	44	28	30	30	56	41	46	27	30	24	27	40	31	28	35	28	42	55	33	33.4
Frankfort	Maximum	52	46	43	42	47	58	55	59	65	41	50	54	69	76	70	58	68	65	70	67	49	59	53	47	53	52	57	67	62	59	62	60	58.3
	Minimum	26	23	32	32	26	24	29	38	28	17	19	24	53	56	31	28	45	55	45	31	20	30	27	28	32	32	34	44	42	42	43	43	33.5
Franklin	Maximum	55	47	42	48	54	53	50	53	50	37	43	54	68	74	72	64	67	74	72	64	43	65	61	55	61	58	62	68	67	66	64	60	60.1
	Minimum	30	28	34	33	25	25	42	39	32	22	23	24	50	53	33	30	35	51	49	34	29	30	30	27	40	31	33	38	37	38	38	38	37.7
Greensburg	Maximum	50	46	40	44	53	57	52	57	56	36	52	60	70	73	71	68	68	74	72	66	48	61	59	53	60	57	59	66	66	66	66	59	59.8
	Minimum	34	26	32	33	28	26	39	37	27	20	22	22	48	52	30	27	32	52	49	34	28	27	36	28	41	32	30	37	28	45	50	33	34.5
Irvington	Maximum	28	22	31	33	20	25	40	37	27	20	22	22	48	65	37	26	31	51	47	45	29	29	37	27	41	32	36	60	64	64	65	55	40.4
	Minimum	43	43	40	42	53	58	52	48	40	39	46	58	72	76	44	54	65	65	59	40	29	29	34	28	30	32	38	57	60	61	66	56	55.9
Leitchfield	Maximum	38	27	33	33	26	33	39	38	28	18	25	30	55	58	33	30	34	52	59	40	29	29	37	27	41	32	36	57	59	60	54	61	55.9
	Minimum	50	46	42	48	54	53	50	53	50	37	43	54	68	74	72	64	67	74	72	64	43	65	61	55	61	58	62	68	67	66	64	60	60.1
Lexington	Maximum	46	33	36	37	44	56	47	54	49	26	44	50	67	71	48	53	64	67	67	66	46	61	59	53	60	59	61	68	67	66	66	55	52.8
	Minimum	28	23	30	30	26	30	35	33	23	16	21	33	52	49	32	30	44	59	56	41	34	34	37	27	41	32	36	50	52	55	57	59	39.6
Louisville	Maximum	49	37	39	41	47	55	48	57	54	40	49	47	72	76	44	54	65	65	70	61	34	58	42	46	50	52	55	67	62	59	62	56	55.7
	Minimum	34	28	33	32	32	35	40	40	30	22	24	33	56	40	32	31	38	54	57	33	28	31	34	31	37	36	40	52	54	57	56	61	55.6
St. John	Maximum	54	45	40	41	47	55	57	58	49	40	40	57	70	73	68	56	63	68	67	65	41	64	62	60	62	62	62	72	68	68	66	65	58.9
	Minimum	29	23	33	34	23	35	28	26	28	17	22	31	50	63	36	28	36	50	56	40	28	33	48	46	51	52	52	55	59	62	60	54.0
Shelbyville	Maximum	47	41	39	41	46	54	50	56	51	32	42	52	71	68	53	53	66	67	71	66	42	58	56	52	58	56	58	68	67	66	66	58	56.0
	Minimum	30	24	31	30	22	27	37	35	28	19	21	28	52	49	32	28	32	49	56	42	28	27	38	28	42	32	36	50	52	55	57	59	34.6
Taylorsville	Maximum	47	43	38	41	46	55	51	55	47	35	47	51	67	75	63	53	65	61	69	64	43	53	48	47	52	50	52	63	62	63	61	59	55.7
	Minimum	27	26	33	34	22	27	32	38	27	18	22	28	50	52	32	28	37	49	51	40	28	27	35	25	39	31	34	44	43	45	48	51	32.4
Williamstown	Maximum	47	38	42	40	50	59	54	53	49	41	48	60	65	76	69	62	66	70	69	62	46	54	47	47	52	51	51	64	59	61	59	59	54.7
	Minimum	28	22	30	30	19	24	36	34	26	13	16	29	52	56	31	24	33	48	54	47	27	27	31	23	34	31	30	39	29	29	40	51	32.4
Eastern Division.																																	
Ashland	Maximum	48	41	50	39	45	60	55	56	50	37	48	64	67	75	72	56	65	61	71	75	55	52	50	45	56	48	54	59	58	58	72	56.0
	Minimum	27	27	34	35	32	22	43	37	33	29	17	26	44	50	37	25	31	46	52	52	34	34	30	31	36	37	31	36	39	37	51	34.7
Beattyville	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Berea	Maximum	25	21	30	32	19	21	36	26	20	13	16	22	52	60	37	29	31	48	57	60	31	31	36	30	38	31	26	36	37	31	51	33.7
	Minimum	27	21	30	32	21	27	40	36	28	25	19	30	54	57	32	30	39	56	58	69	48	50	53	51	55	49	45	63	62	61	57	48	43.8
Farmers	Maximum	53	51	41	40	50	64	61	54	54	42	45	66	68	76	74	53	70	68	71	70	53	53	51	51	51	51	51	64	65	65	64	63	60.0
	Minimum	48	41	38	41	40	51	49	45	38	27	15	24	45	55	34	27	33	49	53	58	38	37	30	31	35	29	31	50	49	50	50	47	38.6
Harlan§§	Maximum	51	38	41	48	58	68	63	53	50	38	51	59	66	71	70	60	69	71	70	66	52	54	49	49	48	46	52	64	63	64	63	62	57.1
	Minimum	25	23	28	32	21	22	29	36	30	22	21	33	54	50	33	30	38	52	56	42	28	27	33	26	36	35	28	41	48	48	47	45	38.2
Maysville	Maximum	42	36	34	39	46	51	51	58	58	36	43	61	65	71	70	60	69	71	70	66	51	50	51	52	54	52	53	62	63	65	66	66	57.6
	Minimum	29	23	33	34	23	32	38	35	31	16	17	24	46	56	34	24	28	46	51	50	31	32	30	30	35	30	33	42	43	45	46	46	35.8
Middlesboro	Maximum	46	34	36	37	45	52	49	52	49	31	40	49	66	69	67	60	66	67	68	67	50	57	57	57	59	57	57	63	61	61	58	53	53.5
	Minimum	...	24	29	32	20	21	42	36	29	21	19	22	48	52	39	28	36	48	51	51	31	31	30	30	32	31	31	34	36	38	40	50	34.2
Mount Sterling	Maximum	46	34	36	37	45	62	49	55	49	31	40	49	66	69	67	60	66	67	68	67	50	57	57	57	59	57	57	63	61	61	58	53	53.5
	Minimum	26	21	30	30	22	25	37	34	26	15	17	25	46	54	32	25	32	47	54	49	30	32	26	28	33	31	30	36	36	38	38	38	32.6
Pippapass	Maximum	53	38	37	38	50	58	58	60	53	38	47	59	68	77	70	64	68	71	71	70	52	54	51	51	51	51	51	64	64	64	64	63	59.4
	Minimum	42	34	36	37	34	34	39	36	30	22	18	28	44	52	33	25	34	47	54	49	30	32	26	28	33	31	30	36	36	38	38	38	33.6
Quicksand	Maximum	47	43	41	41	52	65	55	53	53	33	50	56	68	77	70	64	68	71	71	70	52	54	51	51	51	51	51	64	64	64	64	63	59.4
	Minimum	24	19	30	31	19	19	42	35	30	19	16	21	42	52	33	25	34	47	54	49	30	32	26	28	33	31	30	36	36	38	38	38	33.6
Raymond	Maximum	56	50	34	42	48	58	60	44	44	34	41	56	69	78	66	58	66	72	73	68	52	55	52	52	54	52	52	64	63	64	64	63	59.4
	Minimum	39	22	30	32	24	30	42	37	29	18	18	35	48	58	36	29	39	52	57	58	30	30	29	30	32	30	33	38	38	38	38	38	33.6
Williamsburg	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....

§§ Instruments were read in the morning. The maximum temperature given here is assigned to the preceding day, on which it almost always occurs.

N. B. O. Louisville [illegible]

551.05
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVIII LOUISVILLE, KY., APRIL, 1933 No. 4

GENERAL SUMMARY.

Low temperature and persistent rain rendered the month exceptionally unfavorable for growth and all agricultural activities. In the first decade comparatively light rainfall in the eastern counties, as well as the limestone soil and good drainage, permitted considerable plowing. In the western counties where the rains were heavier and bottom lands remained extensively flooded for a long period, practically no progress occurred. By the middle of the month the heavy and frequent rains had stopped all soil preparation. On two or three days in the last decade plowing became possible where drainage was favorable, but the work was two to three weeks behind the season when the month ended. Corn and cotton planting started near the close, at about the usual date, but could proceed only as land was hastily prepared.

Continued low temperature and lack of sunshine discouraged all planting. The usual spring seeding of oats and grass was greatly reduced. Until the last week very little truck or home gardening could be accomplished. Potatoes planted early rotted in the ground to such an extent as to materially affect the stand or to require replanting. Those unable to plant early because of wet ground tried to finish the work in the last week.

Except in warm locations, tobacco plants came up about 10 days late and advanced very slowly. By the end of the month they were at least two weeks late. On the lighter soils and well drained uplands the winter grains, pastures, and early forage crops grew fairly well. On the flat or low lands, especially in western districts, which remained water-logged, slow growth, stunting, and yellowing of wheat were quite general. In all districts there was a tendency to irregular growth of grains, depending on drainage. In the last decade lessening rainfall and more sunshine considerably improved grains. Cherries bloomed heavily but rain and cold prevented insects from assisting in fertilization.

TEMPERATURE.

The temperature was decidedly variable but averaged somewhat below normal. Occasional warm days occurred in the first decade and at the end of the month, otherwise daily departures below the normal were the rule. The 10th and 20th were the warmest days at most stations, with maxima usually above 80°. Freezing temperatures were recorded at many stations on the 4th, 12th, 23d, and 27th. The extremes were 87° on the 10th at Pippapass and 27° on the 23d at Williamstown.

PRECIPITATION.

Precipitation ranged from 4.5 to 6.5 inches and exceeded the average by 1.0 to 2.0 inches in most of the section from the southwestern border to the lower Licking Valley. The rainfall diminished toward the southeast from this belt of heavier rains to about 3.0 inches along the Virginia border. The main agricultural districts were reached by the heavier rains. The principal rainfall periods were: 1st-6th, 9-12th, 15-19th, 25-26th, and 30th. In the western counties there were few days without some rain, but rainless intervals in eastern sections were longer, ranging from 2 to 4 days. As a rule these brief periods of fair weather were merely of sufficient length for field work to be started, when the recurring rain would put an end to all outdoor activities. Moderate to heavy rains occurred on the 6th, 11-12th, 15-18th, and 27th. Insignificant in amount and frequency, the rainfall diminished after the 18th. No snowfall was reported. Dates with thunderstorms were 9, 10, 15, 24, 26, and 30.

MISCELLANEOUS.

Rivers.—Stages in the lower Ohio below Dam No. 46 were above flood levels on the 1st and continued very slowly for about a week. Another rise followed that kept much bottom land covered until late in the month. Heavy rains in the upper Ohio Valley caused a sharp rise on the 18th and 19th, in which crests near flood stage were reached at Dams No. 44 and 45. This rise considerably increased stages in the lower Ohio and kept much bottom land covered until late in the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level).				Wind.				Relative humidity.			
	Mean.	Highest.	Date.	Lowest.	Date.	Av. hourly velocity.	Maximum velocity.	Direction.	Date.	7 a. m.	2 p. m.	Percentage of sunshine.
Cairo Ill	29.85	30.27	12	29.57	6	9.7	30	sw.	30	85	60	72	66
Cincinnati ..... Ohio	29.86	30.31	12	29.52	6	8.4	25	sw.	30	79	61	69	68
Evansville ..... Ind	29.91	30.32	12	29.56	6	10.1	31	sw.	19	79	60	67	58
Lexington ..... Ky	29.85	30.33	12	29.46	5	13.6	37	sw	30	85	64	71	58
Louisville ..... Ky.	29.93	30.36	12	29.52	6	11.3	45	nw.	25	79	55	56	55

COMPARATIVE DATA FOR APRIL.

Year	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	57.0	+ 0.9	89	24	1.61	−3.38	3.76	0.95	.....	.	.	.	.
1890	57.0	+ 0.9	92	28	4.84	+0.05	9.46	2.75	.....	.	.	.	.
1891	58.0	+ 1.9	92	24	2.93	−1.47	8.70	1.02	.....	.	.	.	.
1892	56.0	− 0.1	88	22	7.72	+3.13	11.78	2.16	.....	.	.	.	.
1893	58.9	+ 1.3	94	21	6.98	+3.04	14.30	3.42	.....	.	.	.	.
1894	56.0	− 0.1	93	23	3.52	−0.45	7.21	1.56	.....	.	.	.	.
1895	57.2	+ 1.1	94	22	3.18	−0.81	4.65	1.55	.....	9	13	8	9
1896	52.5	+ 7.5	86	24	1.16	−2.34	2.82	0.58	6	8	13	12	5
1897	55.5	− 0.6	90	25	6.65	+2.04	9.97	2.90	T	17	11	9	10
1898	52.4	− 2.7	86	19	3.38	0.61	5.56	1.08	1.1	9	12	8	10
1899	55.2	+ 1.1	86	20	3.16	+0.89	4.75	1.40	0.3	9	14	8	9
1900	56.1	+ 0.1	90	15	2.15	−1.84	2.93	1.04	T.	8	14	8	8
1901	56.9	− 0.2	91	23	4.01	+0.02	7.23	1.11	2.0	15	15	6	9
1902	54.2	− 1.9	93	22	2.47	−1.34	5.97	1.20	0.1	9	14	7	9
1903	55.4	− 0.7	90	22	4.32	+0.48	10.85	2.46	T	12	14	7	9
1904	55.7	− 0.3	85	16	2.83	−1.16	4.23	1.76	1.7	11	10	7	13
1905	55.7	+ 0.6	91	23	3.69	−0.50	5.45	1.75	0.2	8	12	7	10
1906	59.5	+ 3.4	93	24	5.05	+0.86	9.79	2.21	0.6	8	15	7	8
1907	52.2	− 7.2	87	19	3.75	−1.21	5.24	1.70	0.2	11	16	6	8
1908	59.8	+ 3.7	89	23	6.85	+2.06	8.61	3.4	0.8	14	16	6	12
1909	58.1	0.0	86	21	8.66	+4.15	11.02	4.15	T.	10	14	7	9
1910	55.2	− 0.7	88	26	5.13	+1.12	8.15	2.25	0.7	14	12	6	12
1911	53.8	− 2.3	90	20	7.06	+3.07	13.06	4.16	T	16	14	6	10
1912	55.4	+ 2.3	87	25	7.50	+3.93	13.66	5.18	T	12	11	7	12
1913	55.5	− 0.8	89	27	2.75	−1.26	4.52	1.18	T	8	14	8	11
1914	53.7	− 0.4	93	12	3.62	−0.37	6.23	1.85	T	8	11	8	11
1915	59.1	+ 4.0	95	17	0.96	−3.03	1.84	0.53	0.5	5	17	5	8
1916	54.9	− 2.1	89	23	2.93	−1.05	4.70	1.14	T	8	14	7	9
1917	55.8	− 0.3	89	19	5.02	+1.06	8.38	2.21	0.5	8	14	7	9
1918	53.9	− 2.2	87	25	4.07	+0.06	7.95	2.6	0.3	12	8	8	14
1919	55.7	− 0.6	85	19	2.93	−0.48	5.52	1.48	0.6	10	15	7	10
1920	58.7	+ 5.8	92	22	6.16	+2.17	9.46	3.47	0.2	13	9	8	13
1921	58.2	+ 2.1	93	24	3.66	+0.16	9.58	2.21	T	8	15	7	8
1922	59.5	+ 3.4	88	25	3.27	+0.26	7.45	2.46	0.6	16	14	8	8
1923	54.4	− 1.3	86	24	4.15	+0.89	7.46	2.96	0.6	8	12	8	10
1924	57.0	+ 1.3	89	26	3.41	−0.25	5.76	1.75	0.1	16	15	7	13
1925	57.2	+ 1.5	93	24	2.95	−0.83	5.36	1.24	0.5	10	14	7	9
1926	51.1	− 4.5	87	16	3.77	−0.07	6.14	1.75	0.5	11	11	6	13
1927	55.7	+ 2.6	92	22	4.30	+1.26	15.16	3.80	T	13	7	8	15
1928	52.9	− 3.2	88	24	4.22	+0.21	7.38	1.22	0.3	11	11	6	13
1929	55.5	+ 1.5	93	24	3.20	−0.80	5.35	1.85	0.6	9	12	8	10
1930	58.0	+ 2.1	94	21	1.93	−2.14	2.77	0.91	0.6	6	15	7	8
1931	56.6	− 0.2	93	27	4.30	+0.23	8.39	2.03	0.1	8	14	7	9
1932	58.3	+ 0.3	87	27	5.37	+0.31	8.43	2.62	T	10	11	7	12
1933	55.7	− 0.4	87	27	4.74	−0.78	6.62	2.35	0.6	13	14	7	9
Total	6.1	.	93	55	3.99	.....	11.99	0.13	6.3	28	13	7	10

Climatological Data for April, 1933.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches			Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted.	With precip. .01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Dam 52	Ohio	441	29	57.6	+ 1.7	82	30	31	12	42	5.93	+1.81	1.52	0	16	18	0	12	w.	Mrs. Lena F. Taylor.
Owensboro	McLean	437	29	57.4	+ 1.0	83	30	35	12	35	4.75	+0.16	1.31	0	14	6	19	5	nw.	W. A. Taylor.
Sebree	Hopkins	420	43	57.8	+ 0.5	84	30	32	12	41	5.81	+1.45	1.10	0	16	14	8	8	nw.	Brick Southworth.
Barlington	Crittenden	336	4	....	....	....	....	....	....	....	4.67	....	1.28	0	14	....	....	....	....	W. D. Hatcher.
Lock 52	Trigg	350	4	....	....	....	....	....	....	....	4.67	....	1.28	0	14	....	....	....	....	....
Lock 53	Trigg	350	4	....	....	....	....	....	....	....	4.67	....	1.28	0	14	....	....	....	....	....
Lock 54	Trigg	350	4	....	....	....	....	....	....	....	4.67	....	1.28	0	14	....	....	....	....	....
Eagle Ferry, Dam 50	Muhlenburg	519	16	56.4	— 1.0	84	30	31	12	38	5.64	+0.77	1.40	0	15	15	9	6	s.	C. R. Lovell.
Greenville	Muhlenburg	582	19	56.7	....	80	29	35	4†	40	6.04	+2.42	1.47	0	12	10	12	8	s.	Richard Stites
Henderson	Henderson	424	37	57.5	+ 0.2	84	30	31	12	39	6.53	+2.13	1.81	0	16	11	2	17	se.	W. E. Graves.
Hopkinsville	Christian	....	4	57.4	....	83	30	30	7	39	4.14	....	0.65	0	12	15	11	4	s.	Blaine Malone.
Lovelaceville	Ballard	....	4	57.4	....	83	30	30	7	39	4.14	....	0.65	0	12	15	11	4	s.	B. C. Paris.
Marion	Crittenden	551	35	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Mayfield	Graves	364	24	58.6	+ 0.7	83*	30	35*	7	31*	4.78	+0.28	1.50	0	7	15	9	6	nw.	Mrs. C. R. Sowell.
Murray	Calloway	412	7	57.5	....	84	9	31	12	40	6.92	....	1.98	0	8	7	19	5	s.	Harry B. Arnold
Owensboro	Daviess	479	36	55.9	0.0	82	30	33	12	36	4.95	+0.89	1.40	0	14	14	7	9	nw.	Henry S. Berry
Owensboro, Dam 46	Daviess	404	5	....	....	....	....	....	....	....	5.22	....	1.11	0	17	....	....	....	....	George McClemary.
Owensboro, Dam 46	Daviess	516	16	56.8	— 1.4	80	30	30	6	30	4.80	—0.70	1.58	0	18	18	5	7	se.	J. W. Lilley.
Palmyra-near	McCracken	....	....	....	....	....	....	....	....	....	4.09	—0.62	1.14	0	16	....	....	....	....	Frank L. Brown.
Paducah	McCracken	341	44	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Princeton	Caldwell	528	26	58.0	— 0.1	85	30	31	7	43	5.62	+1.62	1.70	0	13	15	7	8	s.	Dr. W. L. Cash.
Ramsey, Lock 2	Nelson	384	16	....	....	....	....	....	....	....	4.75	+0.51	0.97	0	11	....	....	....	....	Thos. L. Wetzell.
Russellville	Logan	599	24	55.4	— 2.6	80	29†	30	12	39	5.97	+1.14	1.62	0	14	15	4	11	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	5	....	....	....	....	....	....	....	4.26	....	0.95	0	11	....	....	....	....	Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	852	5	....	....	....	....	....	....	....	5.89	....	1.10	0	18	....	....	....	....	C. L. Moore.
Anchorage	Jefferson	700	32	52.8	— 1.1	82	30	28	4†	41	4.82	+0.90	1.55	0	11	19	4	7	e.	C. E. Barret.
Bardstown	Nelson	657	26	56.2	+ 0.6	85	30	31	4†	42	5.41	+1.48	9.76	0	16	14	4	12	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	560	44	58.2	— 0.1	86	30	34	12	39	4.19	—0.26	1.20	0	11	15	9	6	s.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	469	8	....	....	....	....	....	....	....	4.34	....	0.98	0	15	....	....	....	....	T. Rone
Bowling Green, No. 2	Warren	469	8	....	....	....	....	....	....	....	6.44	+1.37	1.28	0	16	....	....	....	....	Virgil M. Whalin.
Brownsville, Lock 6	Edmonson	410	16	....	....	....	....	....	....	....	5.10	+0.95	1.40	0	12	....	....	....	....	T. A. Lewis
Burnside	Pulaski	758	42	....	....	....	....	....	....	....	6.43	+2.77	2.18	0	9	....	....	....	....	Shelby Angel.
Carrollton, Lock 1	Carroll	422	34	....	....	....	....	....	....	....	4.55	....	1.10	0	14	....	....	....	....	Reuben Hartley.
Cold Spring, Dam 35	Campbell	480	7	....	....	....	....	....	....	....	4.46	....	0.85	0	14	12	3	8	s.	Ralph C. Wyatt.
Danville	Boyle	940	9	*54.5	....	81	29	32a	12†	46*	4.46	....	0.62	0	13	15	6	9	sw	C. W. Williams.
Dix Dam, Burgin	Mercer	770	5	55.6	....	83	30	32	12	36	3.80	....	0.68	0	16	3	6	15	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	39	53.4	— 0.9	80	10†	30	12	38	2.25	—1.25	0.68	0	15	11	8	11	s.	Sidney Wood.
Frankfort	Franklin	500	41	54.8	— 1.0	84	30	31	4†	42	5.76	+1.50	1.22	0	15	11	8	11	s.	C. E. Johnson.
Franklin	Simpson	691	38	58.8	— 0.4	84	30	32	12	39	4.66	+0.30	1.23	0	15	12	14	4	s.	Louis Shiddell.
Glasgow	Barry	449	22	....	....	....	....	....	....	....	5.26	+1.34	1.70	0	14	....	....	....	....	M. W. Sprague.
Glen Lock 3	Boone	780	8	....	....	....	....	....	....	....	4.86	....	1.45	0	12	....	....	....	....	....
Grant, Dam 38	Boone	780	8	....	....	....	....	....	....	....	4.62	+0.69	0.93	0	17	8	8	15	s.	Mrs. Bettie K. H. Alcorn
Greensburg	Green	881	40	55.6	+ 0.4	85	30	29	4†	42	4.08	+0.32	0.61	0	16	....	....	....	....	Miss Ruby L. Simpson.
High Bridge, Lock 7	Jessamine	830	21	....	....	....	....	....	....	....	5.80	+1.72	1.33	0	12	15	2	13	sw.	W. J. Pigrott
Irvington	Breckinridge	636	35	56.0	+ 0.1	81	30	34	4†	36	3.64	....	0.60	0	14	....	....	....	....	Walter Killion.
Lancaster	Garrard	1052	7	....	....	....	....	....	....	....	5.48	+1.10	1.30	0	12	12	8	10	s.	H. H. Willis.
Leitchfield	Grayson	695	37	55.4	— 0.2	81	30	33	12	33	4.68	+0.58	0.93	0	15	15	7	8	s.	U. S. Weather Bureau
Lexington	Fayette	980	49	53.2	— 1.1	81	29	33	23	35	4.16	+0.47	0.60	0	14	....	....	....	....	Horace Custer.
Louisville, Lock 85	Jessamine	523	22	....	....	....	....	....	....	....	5.72	+1.60	2.10	0	11	....	....	....	....	Frank Litch.
Lockport, Lock 2	Henry	476	29	....	....	....	....	....	....	....	5.81	+1.93	1.57	0	14	8	7	15	s.	U. S. Weather Bureau.
Loretto	Johnson	825	50	54.9	— 1.5	83	30	36	23	31	5.17	....	1.05	0	15	....	....	....	....	A. G. Hubbard.
Louisville	Hart	600	19	....	....	....	....	....	....	....	6.79	+2.61	0.97	0	18	16	3	11	....	Sisters of Loretto.
Munfordville	Hardin	777	37	54.9	+ 0.8	80	29	30	12†	38	5.74	+2.32	0.76	0	14	....	....	....	....	Ernest M. Searey.
St. John	Mercer	850	19	....	....	....	....	....	....	....	4.90	+1.06	1.80	0	14	11	6	14	sw.	Miss Ruth Reitz.
Salvisa, Lock 56	Mercer	825	44	53.4	— 1.3	81	30	31	26	35	4.90	+1.06	1.80	0	13	13	3	12	w.	H. D. Bourne.
Shelbyville	Shelby	883	31	*53.8	— 0.7	80*	30	31*	12	36*	5.12	+0.75	1.46	0	16	....	....	....	....	H. K. Vaughn.
Taylorsville	Anderson	526	15	....	....	....	....	....	....	....	5.57	+1.18	0.70	0	15	....	....	....	....	Miss Nettie B. Simpson.
Tyrone, Lock 58	Anderson	526	15	....	....	....	....	....	....	....	5.57	+2.02	2.40	0	15	20	1	9	w.	....
Williamstown	Grant	843	30	54.7	+ 1.9	84	30	27	23	45	6.28	+1.74	1.69	0	15	....	....	....	....	H. J. Lewis.
Woodbury, Lock 4	Butler	534	16	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Eastern Division.																				
Annville	Jackson	....	....	....	....	....	....	....	....	....	4.26	....	0.91	0	15	15	2	13	sw.	W. A. Worthington.
Ashland	Boyd	554	14	55.8	0.0	84	30	31	27	44	3.36	—0.08	0.78	0	15	13	1	16	w.	Jacob Armbruster.
Beattyville	Lee	680	22	....	....	....	....	....	....	....	3.82	—0.32	0.90	0	15	2	17	4	sw.	Robert S. Smallwood.
Berea	Madison	1070	28	56.4	+ 0.6	83	10†	34	12†	20	4.83	+0.87	0.76	0	12	20	1	9	w.	Chas. C. Graham.
College Hill, Lock 11	Madison	601	23	....	....	....	....	....	....	....	3.93	+0.61	0.65	0	15	....	....	....	....	Kelly Walden
Cynthiana	Harrison	694	18	....	....	....	....	....	....	....	6.12	+2.04	1.12	0	15	....	....	....	....	P. H. Kelso.
Falmouth	Pendleton	699	34	....	....	....	....	....	....	....	5.64	+2.02	1.76	0	14	....	....	....	....	J. V. Oldham.
Farmers	Rowan	968	25	*54.0	— 0.7	84*	26	30*	13†	46*	5.26	+1.16	0.64	0	13	8	11	11	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	811	9	....	....	....	....	....	....	....	5.63	....	1.04	0	13	....	....	....	....	C. A. Glascock
Frankfort	Clark	903	17	....	....	....	....	....	....	....	4.37	+0.87	0.62	0	16	....	....	....	....	John A. Walters.
Ford, Lock 10	Clark	903	17	....	....	....	....	....	....	....	3.11	....	0.67	0	8	....	....	....	....	Chas. Frank Powers.
Grayson	Carter	580	8	....	....	....	....	....	....	....	3.54	—0.15	0.85	0	13	....	....	....	....	T. Mitchell.
Greenup, Dam 30	Greenup	540	13	....	....	....	....	....	....	....	3.35	....	1.11	0	10	17	6	7	sw.	W. W. Duffield.
Harlan	Harlan	1197	5	*55.6	....	82*	11	33*	4	38*	4.61	....	0.81	0	13	....	....	....	....	Chas. O. Ihrig.
Hazard	Perry	968	9	....	....	....	....	....	....	....	3.69	+0.73	0.52	0	13	....	....	....	....	S. C. Cole.
Heidelberg, Lock 14	Lee	903	18	....	....	....	....	....	....	....	3.87	....	0.93	0	10	....	....	....	....	G. R. Davidson.
Jackson	Breathitt	1048	20	....	....	....	....	....	....	....	3.21	—0.10	0.95	0	15	....	....	....	....	Russian Copley.
Louisa	Lawrence	580	29	....	....	....	....	....	....	....	4.05	+0.76	0.61	0	12	....	....	....	....	Bennett H. White.
Manchester	Clay	....	12	....	....	....	....	....	....	....	5.71	+1.17	1.15	0	14	12	7	11	sw.	Perry S. Bennett
Maysville	Mason	551	36	54.6	+ 0.5	82	30	32	8†	40	2.90	—1.80	0.78	0	11	18	12	0	....	Matthew Woodson
Middlesboro	Bell	1120	27	*54.4	— 2.2	80*	10	30*	4	38*	4.77	+0.08	0.62	0	15	17	3	10	nw.	W. R. McKee.
Mount Sterling	Montgomery	920	42	53.4	— 0.4	84	10	20	27	40	4.05	+0.72	1.51	0	15	....	....	....	....	Otto Riddle.
Owingsville	Bath	997	6	....	....	....	....	....	....	....	4.02	....	0.85	0	14	....	....	....	....	Simone Daniel, Jr.
Paintsville	Johnson	697	6	....	....	....	....	....	....	....	3.62	—0.55	0.83	0	9	....	....	....	....	Robert Repass
Pikeville	Pike	686	27	....	....	....	....	....	....	....	3.50	....	0.80	0	15	18	3	9	....	N. W. Summerfield.
Pippapass	Knott	1035	....	*56.6	....	87*	10	30*	13	46*	5.58	....	1.30	0	13	....	....	....	....	R. W. Jones.
Quicksand	Breathitt	772	7	56.4	....	85	10	29	13	46	3.63	+0.53	0.55	0	11	....	....	....	....	Walter P. Bush.
Ravenna, Lock 13	Estill	664	15	....	....	....	....	....	....	....	4.93	+1.20	0.68	0	15	14	9	7	....	J. W. Crooke.
Richmond	Madison	920	42	55.5	— 0.1	80	30	34	4†	32	3.78	—0.27	0.70	0	13	....	....	....	....	Thos. Sullivan.
Salyersville, Lock 9	Magoffin	941	20	....	....	....	....	....	....	....	4.76	+1.04	0.70	0	15	....	....	....	....	H. M. Fannin.
Spurlington, Dam 32	Lewis	805	14	....	....	....	....	....	....	....	3.24	....	0.72	0	11	....	....	....	....	O. H. Zimmerman.
Stanford	Lincoln	1050	....	....	....	....	....	....	....	....	5.50	+0.75	0.98	0	9	18	6	6	....	H. C. Davis.
Tompkinsville	Monroe	1000	....	....	....	....	....	....	....	....	3.59	+0.51	0.95	0	13	....	....	....	....	Cleveland Angel.
Williamsburg	Whitley	1000	....	....	....	....	....	....	....	....	4.74	+0.75	2.40	0	13	11	7	9	s.	....
Winchester	Clark	831	14	56.7	— 0.2	87	10	27	23	46	....	....	....	....	....	....	....	....	....	....

All temperature data are taken from thermographic records. Precipitation data are compared only for stations which have ten or more years of record, but all complete reports are published. Departures from normal temperature and precipitation are computed only for stations which have twenty or more years of record. Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River and in determining section or division totals.

Reference letters, *, †, °, appearing in the table indicate number of days missing; for example, b represents two days, etc. ‡Lone Oak.

Reference letters, *, †, °, appearing in the table indicate number of days missing; for example, b represents two days, etc. T Precipitation is less than 0.01 inch rain or melted snow

a Also on other dates. ‖ Received too late to be included in means and summaries

¶Brandenburg, Lock 5, Lawrenceburg, Ky.; Lock 8, Versailles, Ky.; Lock 9, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

Oregon, California, Ky.

Errata. February, 1933 page 6. Fairmont mean temperature should be 37.4

Daily Precipitation for April, 1933.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Western Division																															
eaver Dam	G	.55	.25		.12		1.32	.0			.10	.87	.29			.80	.75	.40	.09						.45	.25	.85				
ellevue	G	.47	.16	.10		.12	.73			T.	.28	.26			.42	1.24	.18	.18						T.		.45	.28				
ords Ferry Dam 50	O	.40	.35	.07	.08		1.10				.04	.04	.18			.48	.02	.10						.50		.05	.10				
rownsville	O	.53	.10	T.	.02		.70	T.			.11	.58	.43		T.	1.20	.05							.04		.35	.20				
rooksville	G	.55	.21	.17		.10	1.03			.68	.40	.24				1.30	.05	.18						.30		.25	.10				
anderson	O	.53	.30			.36	.28			1.01	.33	.21				.04	1.47		.60							.50	.10				
arrollton	C	.54	.08	.09	.11		1.81	.03			.92	.02				.22	.98	.21								.50	.02	.02			
arrollton	M		.12	.29		.05	.25				.05	.27			.50	.60	.42														
arrollton	O																														
aywood	M			.90		.50	.27				.56	.85						1.50													
urray	T	.27	T.	T.		1.97	T.				1.98	T.			.82	.46	.10							T.	T.	T.	T.	.14			T.
ewsboro, Dam 46	O	.47	.05		.05		.87	T.		.05	T.	.38	.03			.52	.50	.21	.05					T.	1.40	.08				1.	
ewsboro, Dam 46	O	.76	.05		.05		1.07	.02		.03	.04	.38	.04			.32	.54	.21	.14					.05	1.11	.13					
ldham Quarry	O	.27	.16	.05		.45	.25			.02	.60	.70	*		.87	1.38	.02														
ldham	O	.35	.04	.16	.03		.54	T.			.04	.14	.02		T.	.75	.48	.15		T.		.05		.08	.14	.02					
mpson	G		.19	.20		.95	.57				.70	.58			.05	1.70	.02						.19		.17	.05					
mmy, Lock No. 2	G	.90	.15				.55					.35	.10			.48	.75	.15								.32					
ssellville	G	1.62	.08	.06	.03		1.36					.04	.05			.45	.95	.26				.11		.13		.10					
uiontown, Dam 49	O	.63	.05		T.		.81			T.		.86	T.			.75	.50	.07				.32				.15	.15				
Central Division																															
ldison, Dam 45	O	.86	.07	.01	.03	T.	1.10	.02			.14	.10	.14			.51	1.07	.42	.25	.03											
rbacrop	O		.12				.42				.11	.13			.01	1.16	.15	1.06	.48					.60		.12					
rlston	S	.20	.13		.13		.39	.03			.02	.06	.68			.60	.75	.68	.40	.22						.12					
wling Green, No. 2	G	.10	T.	.01	.12	T.	1.20					.75	.22			.42	.30	.10								.10					
wling Green, No. 2	G	.71	.04	.20	.15		.98					.68	.20			.56	.61	.13	.01					.03		.03	.01				
owmanville, Lock No. 6	G	1.15	.1	.09	.81		1.20	.01				.18	.53			.70	.97	.47	.05					.06		.27	.27				
ranklin	C	.40	T.	T.	.05		.55	.06			1.09	.41				.78	.66	.52	.10							.60	.08				
reenup Locks (Lock No. 1)	K		.21				.62				.26	.18				.75	.90	.83	2.13							.40					
ld Spring, Dam 36	O	.24	T.	.05	.12		.07	.06				.14	.8			.75	.80	.26	1.10	.09						.24	.14				
nville	C	.18	.11	.20			.51	.05				.55			T.	.32	.30	.79	.93					.03		.06	.12				
x Dam, Burgin	K		.11	.12		.50	T.				.01	.24			.43	.35	.62	.36	.26					.40		.17					
bank	C		.09	.11	.07		.84					.09	.95				.52		.14	.20						.06					
ncaster	K	.60	.10	T.	.15		.60	.06		T.	.07	.50				.61	.56	.63	1.22	.40						.06					
ncaster	K	.05	.09	.17		.30	.29					.24				1.23	.01	.17				.18		.12	.05		.03				
ane, Dam 39	O	.46	.04	.02			.55					.09	.36			.55	.30	.48	1.70	.20						.28	.17				
ansburg	G	.25	.13	T.	.03		.07	T.		T.		.10	.31			.47	.42	.28	1.45	T.						.24	.15				
gh Bridge, Lock No. 7	K	.31	.05	.19	.17	.02	.60	.06				.05	.26			.12	.68	.54	.17	.06				T.		.30	.15				
rington	O	.33	.04	.10	.15		.66	.05				.07	.37			.56	.30	.47	.22	.26						.26	.18				
nchester	K	.77	.02	.02		T.	.94				.16	T.	.21		T.	.80	.08	.78	.09							.12					
tchfield	K	.65	.15	.15	.12		.60					.17	.22			.32	.20	.60	.25	.15				1.20	.04			T.			
nerson	G	.30	.15	.15		T.	1.15			T.	.26	.22			T.	1.50	.09	.60						.05	.20						
nerson ***	K	.34	.08	.18		.08	.52			T.	.04	.31			.01	.48	.20	.02	.46	T.					.45	.25						
ttle Brannon, Lock No. 8	K	.35	T.	.11	.12		.58	.05				.07	.30			.42	.55	.60	.70	.55					.32	.08						
easant, Lock No. 2	K	.07		.12		.70						.30		T.	.90	.47	.42	2.10	.16							.40	.05				
nsville	O	.07	.01	T.			.37	.02			.39				.07	1.37	.14	1.25	.52						.32	.12			T.		
nnordsville	G	.14	.02	.11	.15		1.45	.65				.36				.51	.78	.50	.67						.57	.07			.08		
John	S	.15	.8	.01	.10		.94	.05			.45	.15	.58			.78	.07	.76	.20	.08					.41	.10			.20		
ves, Lock No 6	K	.68	T.	.09	.30		.61	.09					.76			.45	.50	.59	.55	.42				.02	.77	.05			.25		
ysville	S	.07	T.	.03			.57	.05			.04	.01	.34			.55	.47	.24	1.20	.41					.38	.15			.15		
rone, Lock No. 5	K	.12	.11	.02			.48			.08		.35			T.	.07	.34	1.4	.42					.05	.18			.10		
hamstown	L	.10	.10	.26		.73	.07			.02	.7				.58	.5	.70	.54	.41					.50	.11			.35		
odbury, Lock No. 4	G	.19	.18	.31	.20		.60	.08				.02	.5			.47	.55	.9	.45	.85					.28	.10					
odbury, Lock No. 4	G	1.62	.17	.03	.05		1.56					.26	.17			.45	.52	.8	.07					.13	.11	.20			.20		
Eastern Division																															
nville	C	.38	.01	.06	.01		.25	.67				.14	.95			.24	.52	.47	.11	.20					.34	.01					
ard	O	.12	.05	.12	.02		.2	.09	.01		T.	.78				.05	.37	.21	.18	.36	T.				.44	.02					
ysville	K	.50	.05	.05	.06		.22	.12				.06	.66			.50	.51	.29	.50						.24	.01					
ckee Hill, Lock No. 11	K	.02	.17	.22			.52					.70				.72	.18	.76	.25						.04	.15					
nbridge	K	.13	.03	.18	.12		.50	.05				.02	.50			.25	.50	.45	.20	.30	T.					.06	.20				
ckson	L	.25	.04	.13	.20		.70	.06				.22	.75			.22	.36	.6	1.12	.44	T.					.28	.30			T.		
mes	L	.32	.03	.08	.14		.64	.06				.04	.38			.05	.80	.52	1.70	T.						.24	.10			.42		
mestown	L	.57	.05		.20		.51	.05				.01				.44	.25	.45	.41	.45						.07	.16					
ad, Lock No. 10	K	.21	.14	.25			.59					.68	.51			.31	.54	1.04	.20							.07	.03			.11		
ywood	O	.33	.06	.10	.12		.63	.11			T.	.01	.40			.07	.46	.56	.19	.40	T.					.25	.23	T.		T.		
nup, Dam 30	O		.14	.04	.06	.09	.55	.43	.16				.66			.02	.28	.24	.39							.25					
ian	L	.50		.10	.23		.18	.58				.10	.55			.10	.54	.25	.28	.42						.06	.05				
ard	K	.43		.16	.38		.02	.43				.84	.30			.24	1.11			.20						.17					
ldeberg, Lock No. 14	K			.16	.38		.02	.43				.84	.30			.10	.47	.28		.24						.30	.02				
kins	K		.20	.16	.20		.15	.58				.10	.63			.24	.56	.36	.11	.17						.40	.11				
ain	K	.10	.15	.12	.05		.15	.20				.08	.63			.09	.51			.32						.30					
nchester	K	.45		.10			.55	.05				.08	.12			.18	.24	.23	.33	.05						.35	.10				
rsville	O	.21	.07	.07	.17		.60	.10				.07	.03			.30	.61	.10	.42							.29	.07				
desboro	C	.47	.02	.10			.67					.07	.03			.28	.78	.51	.15	.51							.12				
nt Sterling	J	.20	.11	.21	.13		.62	.10				.18	.60			.88	.56	.60	.47	.45	C.				.10	.08					
ecast, Dam 35	O	.27	.02	.04	.13		.44	.55				.20	.55			.20	.82	.83	1.51	.05						.70					
nsville	B	.30	.05		.06			.56				.08	.81			.35	.70	.25		.28						.15	.17			T.		
ville	E	T.		.12	.21	T.	.36					.36	.82		T.	.57	.57	T.		.28				.17		.07	.06				
ppass	K	.45	.16	.17	.20			.10				.6	.22			.05	.40	.22	.6						.10	.15	.2				
rasand	L	.23		.06	.34		.62	.27			.46	1.56		.21		.67	.41		.34							.56	.07				
mond	K	.25	.08	.12	.14		.37	.51				.08	.47			.32	.05	.15	.44							.25	T.				
ley View, Lock No. 9	K	.10	.02	.12			.61				.08	.46			.38	.30	.75	.45	.30	.32						.10	.15				
ehorn, Dam No. 32	O	.02	.10		.27		.58	.08				.02	.56			.16	.42	.22	.68	.70	.04					.35	.10				
ingport	E	.26	.03	.12	.27		T.	.67				.07	.02			.51	.24		.41						13	T.					
ow, Lock No. 12	E	.20	.12	.08		.35		.25	.05			.49	.56			.16	.20														

Except as otherwise indicated observations are generally made twice each forenoon, once [illegible] and precipitation recorded on the following day is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

|| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

‡Lone Oak

Daily Temperatures for April, 1933.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	62	65	64	68	69	69	66	72	81	80	82	67	73	65	58	59	65	70	71	64	77	74	70	68	78	70	69	80	80	82	..	69.
	Minimum	50	47	48	43	51	49	38	43	48	58	44	31	36	55	51	41	41	50	46	46	48	48	39	50	42	36	35	50	55	59	..	45.
Calhoun	Maximum	62	62	58	65	65	59	66	75	79	75	63	64	71	67	56	56	61	67	69	69	75	69	69	65	76	66	67	77	79	80	..	67.
	Minimum	50	48	44	36	54	42	38	40	55	50	33	35	43	43	42	42	44	48	48	48	55	55	39	51	46	38	40	42	58	62	..	47.
Earlington	Maximum	62	64	59	67	64	58	67	76	81	79	72	64	72	76	56	54	62	69	71	71	74	69	71	68	69	68	70	55	68	77	..	67.
	Minimum	50	45	44	33	53	49	38	50	61	60	45	32	38	59	48	38	45	49	44	42	48	55	41	52	38	39	38	39	55	64	..	47.
Greenville	Maximum	61	61	60	65	68	56	67	75	80	77	62	64	71	66	56	52	62	71	69	69	73	68	69	68	70	55	68	77	76	84	..	67.
	Minimum	45	46	43	33	45	47	35	40	57	56	40	31	39	53	51	37	42	48	43	46	46	54	38	54	34	36	37	39	53	61	..	45.
Henderson	Maximum	68	61	58	65	64	57	72	75	78	72	63	64	71	71	59	56	65	75	73	70	73	70	66	66	74	66	67	77	80	84	..	66.
	Minimum	49	47	46	35	51	46	41	38	57	57	42	37	40	54	53	51	41	45	51	44	47	48	39	50	49	37	37	44	58	62	..	46.
Hopkinsville	Maximum	68	68	66	68	65	58	67	76	81	76	68	65	71	67	66	62	65	75	70	69	67	68	65	67	78	68	70	79	80	84	..	69.
	Minimum	49	48	44	35	52	45	30	48	57	55	42	33	36	48	47	38	40	43	50	52	52	52	44	50	48	41	44	40	57	65	..	46.
Lovelaceville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mayfield	Maximum	66	66	65	..	68	59	66	..	..	82	64	65	72	66	60	58	65	76	73	70	68	70	69	69	78	69	68	77	80	85	..	69.
	Minimum	52	49	48	..	38	46	35	..	..	58	45	48	51	53	46	40	40	46	51	52	52	50	43	51	45	44	46	48	52	53	..	47.
Murray	Maximum	66	68	69	70	64	60	66	77	84	77	66	67	74	66	66	63	66	75	73	72	69	68	72	65	75	69	71	80	82	83	..	69.
	Minimum	48	49	42	33	52	42	32	42	55	57	42	31	34	56	45	37	40	42	53	51	51	49	43	53	43	42	43	40	55	63	..	45.
Owensboro	Maximum	66	66	65	70	64	60	66	73	78	74	67	62	69	69	59	56	60	69	67	72	67	65	69	72	69	73	75	76	82	82	..	66.
	Minimum	50	50	48	42	52	53	44	53	58	54	47	42	43	40	52	50	39	44	47	48	52	48	46	48	53	43	45	44	47	52	..	47.
Paducah (near)	Maximum	68	68	66	65	66	56	65	71	77	67	60	63	68	67	62	62	65	70	71	68	66	65	68	65	73	65	68	77	78	80	..	68.
	Minimum	49	48	44	38	49	30	34	50	56	56	42	33	40	52	50	39	44	47	48	52	52	53	43	53	43	44	47	44	61	65	..	47.
Princeton	Maximum	68	68	68	70	62	59	69	75	84	78	61	68	73	68	64	58	66	76	73	74	74	72	73	74	74	67	73	68	70	82	..	70.
	Minimum	50	49	42	33	51	46	34	45	58	58	42	32	38	55	48	37	43	45	46	49	48	56	41	52	42	38	42	39	56	63	..	46.
Russellville§§	Maximum	64	66	64	65	68	56	65	75	79	77	63	62	70	70	59	58	68	71	70	70	67	69	67	70	60	72	66	67	78	80	..	68.
	Minimum	49	46	42	35	48	38	34	45	62	54	46	30	37	52	51	38	41	45	43	47	48	53	39	47	45	37	38	39	46	59	..	44.
Central Division.																																	
Anchorage	Maximum	55	62	64	62	70	58	58	74	69	78	68	60	70	65	59	59	52	58	59	62	69	60	54	52	70	57	68	76	80	82	..	64.
	Minimum	42	43	38	28	42	40	36	38	56	48	38	28	38	51	51	40	41	45	36	46	45	40	38	38	43	36	31	35	48	60	..	41.
Bardstown	Maximum	69	68	66	67	72	60	68	77	80	82	69	68	73	67	61	63	66	64	67	73	68	68	69	69	73	61	68	78	83	85	..	68.
	Minimum	50	47	44	31	46	46	39	38	56	58	45	31	36	54	52	38	42	43	44	47	39	49	40	46	44	37	34	36	52	62	..	44.
Bowling Green	Maximum	62	65	63	68	70	59	70	80	86	84	61	65	76	69	64	63	66	71	72	78	71	72	78	71	70	69	64	61	75	66	67	70.
	Minimum	50	47	46	37	45	55	36	44	62	55	54	34	38	53	52	39	42	45	44	47	46	55	40	53	46	38	41	42	56	58	..	46.
Danville	Maximum	57	59	61	61	73	64	60	75	78	80	72	68	72	65	63	60	66	68	69	74	66	63	70	63	66	66	72	80	81	80	..	65.
	Minimum	49	46	42	36	42	42	39	35	51	51	45	32	32	47	49	40	40	48	40	47	55	50	32	50	47	35	38	44	64	59	..	43.
Dix Dam	Maximum	60	60	58	63	65	74	60	76	75	82	78	61	73	72	63	62	60	68	62	63	70	70	66	65	72	69	76	74	82	83	..	68.
	Minimum	50	46	42	35	39	46	40	37	62	48	46	32	36	50	50	41	46	42	47	49	48	44	43	39	48	42	43	45	66	66	..	47.
Eubank	Maximum	51	58	59	51	71	63	61	72	70	67	72	58	71	62	72	61	72	63	61	69	77	64	70	66	74	66	72	74	82	85	..	65.
	Minimum	40	44	37	39	49	50	37	46	47	47	44	30	36	46	47	39	39	40	36	48	44	47	34	40	46	34	33	37	45	61	..	41.
Frankfort	Maximum	60	63	56	64	74	72	61	76	74	80	76	62	73	66	61	64	62	60	61	66	70	69	64	61	75	66	65	77	83	84	..	67.
	Minimum	50	42	40	31	45	51	35	35	48	48	46	31	31	46	51	46	42	40	42	47	42	47	34	35	44	32	32	36	48	60	..	41.
Franklin	Maximum	68	64	68	67	74	69	71	77	81	78	64	66	76	65	62	58	63	72	73	76	69	70	72	68	78	70	72	82	86	84	..	70.
	Minimum	50	48	46	40	48	47	38	48	55	56	35	32	38	55	50	50	50	46	53	47	54	49	55	48	39	42	43	48	63	68	..	46.
Greensburg	Maximum	60	64	65	66	73	66	66	77	83	85	67	63	75	68	69	60	64	62	68	69	77	69	70	66	75	66	69	74	82	85	..	69.
	Minimum	45	42	39	29	44	49	39	35	48	50	40	29	33	48	49	37	40	43	37	48	44	48	35	43	39	38	39	37	47	60	..	42.
Irvington	Maximum	62	63	66	62	70	60	62	74	76	76	64	62	70	64	58	60	57	58	65	69	70	65	65	61	72	60	64	76	79	84	..	65.
	Minimum	43	47	45	34	52	47	39	46	55	55	44	34	46	54	51	42	44	50	43	49	47	51	37	46	48	34	37	39	58	60	..	46.
Louisville	Maximum	58	59	54	63	68	61	63	74	78	77	62	60	70	67	58	57	59	66	66	72	65	67	63	72	61	63	76	79	81	86	..	68.
	Minimum	48	47	45	38	47	45	37	41	55	57	44	33	38	55	50	42	45	47	43	47	42	49	47	51	37	49	45	35	47	48	..	45.
Louisville	Maximum	55	56	48	58	58	61	56	72	72	73	60	57	70	63	57	60	45	51	57	61	69	57	63	68	69	53	60	72	81	86	..	62.
	Minimum	47	45	40	36	41	40	37	36	55	55	42	37	43	52	47	42	39	44	44	45	44	50	38	47	44	35	37	47	60	58	..	43.
Lexington	Maximum	56	60	53	62	70	58	60	73	68	78	64	61	71	64	56	60	54	50	63	67	69	66	66	65	73	62	67	73	80	83	..	64.
	Minimum	47	45	40	36	41	40	37	36	55	55	42	37	43	52	47	42	39	44	44	45	44	50	38	47	44	35	37	47	60	58	..	43.
Louisville	Maximum	56	60	53	62	70	58	60	73	68	78	64	61	71	64	56	60	54	50	63	67	69	66	66	65	73	62	67	73	80	83	..	64.
	Minimum	50	47	43	38	50	49	39	39	59	60	46	42	50	49	48	45	44	46	47	52	47	49	47	51	46	48	44	46	57	58	..	47.
St. John	Maximum	57	64	57	61	70	58	61	73	76	77	62	63	68	65	61	60	66	66	69	72	68	68	68	72	64	66	69	70	78	79	..	67.
	Minimum	50	46	47	31	49	53	37	37	55	54	46	30	36	48	47	44	43	49	47	51	49	52	45	51	45	46	46	46	54	58	..	46.
Shelbyville	Maximum	57	60	64	61	68	66	58	71	69	76	62	62	66	66	55	61	63	58	60	69	66	62	61	62	71	64	63	74	79	81	..	66.
	Minimum	49	45	42	38	45	45	36	39	54	53	44	32	39	51	49	43	43	46	41	47	44	46	42	51	43	43	43	45	52	55	..	45.
Taylorsville	Maximum	58	58	54	..	70	64	59	73	72	77	66	58	68	68	63	63	57	61	63	68	65	63	57	61	68	63	63	73	77	77	..	67.
	Minimum	50	45	44	32	..	47	39	39	51	49	48	31	36	48	47	41	43	47	41	45	47	45	37	45	45	39	42	38	56	57	..	46.
Williamstown	Maximum	59	61	64	61	75	68	67	76	73	81	75	64	74	72	67	65	58	58	60	64	74	66	68	69	78	65	65	77	81	85	..	67.
	Minimum	48	43	41	31	42	49	34	31	55	52	55	31	35	49	48	40	40	46	39	43	41	42	27	39	45	30	31	39	48	59	..	41.
Eastern Division.																																	
Ashland	Maximum	58	63	60	60	74	74	61	76	80	82	81	68	69	72	70	70	61	67	54	61	65	64	65	70	73	57	60	77	81	84	..	67.
	Minimum	53	43	39	39	38	52	38	42	43	46	46	36	38	48	51	54	44	49	40	44	45	49	36	53	48	41	31	36	45	59	..	43.
Beattyville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	49	40	36	32	35	50	38	34	41	45	35	32	31	44	49	50	42	50	55	45	41	49	33	37	49	33	34	38	42	56	..	42.
Berea	Maximum	68	67	65	69	72	70	69	75	80	83	67	69	74	77	71	67	66	70	72	67	69	68	72	67	75	68	70	80	80	82	..	68.
	Minimum	54	59	54	42	56	57	51	47	54	58	52	47	51	52	52	51	41	46	45	43	43	47	34	40	45	43	43	47	54	63	..	49.
Berea	Maximum	49	48	47	46	45	56	53	55	57	74	75	63	62	74	75	62	64	59	51	56	..	71	69	73	66	71	59	65	72	81	84	..
	Minimum	35	37	35	39	32	37	37	34	38	43	40	42	44	51	50	45	41	46	41	41	40	43	38	42	47	43	39	39	40	56	..	42.
Farmers	Maximum	59	59	56	64	73	67	67	77	78	82	66	66	70	70	65	64	66	68	71	70	72	71	70	68	78	68	70	79	82	83	..	69.
	Minimum	45	47	45	39	37	51	37	31	40	42	44	31	30	41	49	54	41	46	40	44	43	49	29	43	46	36	34	37	43	57	..	42.
Harlan§§	Maximum	59	64	62	62	72	72	62	75	78	82	66	66	70	70	65	64	66	68	69	70	74	71	70	67	78	68	70	79	84	87	..	69.
	Minimum	49	42	40	38	37	48	37	35	41	44	55	36	38	41	46	51	42	42	40	44	43	49	29	43	46	36	34	37	43	57	..	42.
Maysville	Maximum	65	60	59	66	77	74	68	74	74	81	76	61	71	71	67	66	62	68	68	68	68	68	68	73	82	68	68	76	80	82	..	71.
	Minimum	51	45	41	35	48	61	36	36	42	45	41	45	34	32	33	40	40	45	44	46	45	44	42	46	48	35	32	38	42	58	..	41.
Middlesboro	Maximum	57	57	55	60	68	..	64	69	78	72	79	80	77	60	48	65	65	66	69	69	63	67	69	70	68	69	69	65	72	77	75	..
	Minimum	50	38	37	34	39	..	37	39	39	44	46	36	32	40	43	42	44	40	44	40	44	46	42	44	45	42	42	43	46	57	..	43.
Mount Sterling	Maximum	57	61	54	64	73	69	72	77	80	84	70	61	73	70	66	65	72	66	67	71	70	69	71	72	71	67	62	76	81	82	..	69.
	Minimum	48	41	40	38	41	41	37	36	46	47	46	31	34	48	46	45	40	45	42	45	47	48	45	51	45	40	36	42	55	59	..	43.
Pippatown	Maximum	70	71	66	70	78	74	72	79	82	84	72	70	77	74	68	69	64	68	69	70	73	72	73	72	74	70	67	78	83	83	..	70.
	Minimum	52	52	49	47	49	50	49	49	52	54	53	49	51	51	50	49	47	48	49	50	51	49	47	48	45	44	43	45	52	56	..	49.
Quicksand	Maximum	62	63	60	62	70	72	69	77	83	85	70	62	75	73	72	69	66	69	69	72	69	74	70	72	71	73	69	67	78	83	..	70.
	Minimum	49	41	39	38	38	50	40	39	52	57	41	45	44	49	48	45	40	43	42	45	47	48	45	51	49	40	38	39	41	53	..	45.
Richmond	Maximum	65	63	60	68	73	76	64	76	78	84	73	65	75	73	69	68	65	67	68	70	72	72	73	72	74	70	70	78	82	84	..	72.
	Minimum	47	47	43	34	48	50	40	39	54	58	55	42	52	50	48	45	40	43	46	46	46	46	44	47	47	44	45	45	55	62	..	46.
Williamsburg	Maximum	62	66	65	72	76	68	70	80	80	86	78	68	74	74	68	68	66	68	69	72	74	72	74	72	74	72	72	80	82	84	..	73.
	Minimum	51	50	47	38	47	51	39	38	57	59	46	35	38	51	51	50	42	46	46	48	49	47	44	45	47	45	46	47	53	61	..	48.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * obs. in locks respectively 1, 7, 8 obs. days missing from record.

* * * Louisville, 5, 25, 54 1100

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.

JAMES L. KENDALL, Meteorologist.

VOL. XXXVIII LOUISVILLE, KY., MAY, 1933 No. 5

GENERAL SUMMARY.

Weather conditions during the first half of the month were unfavorable for farm work. Frequent and heavy rains largely prevented soil preparation and corn planting. About the middle of the month, when the persistent wet spell of several weeks came to an end, spring work was a week to three weeks behind. Scarcely more than a beginning had been made in most of the State. A large part of the corn land remained unbroken, and but little tobacco land had been prepared. Except for showers toward the end, that stopped work for two or three days, the last half was generally favorable for all activities. The increased sunshine stimulated more rapid growth of tobacco plants and favored more complete germination of corn. The cloudy and rather cool weather of the first half had delayed plants and affected the stand of corn. Tobacco plants in moderate quantity reached the size for setting during the last week, and transplanting proceeded as land could be prepared. Likewise corn planting progressed only as ground could be made ready. A tendency to neglect corn planting in order to get out tobacco on time caused some slowing of the work, with the prospect that nearly half of it would go over into June. Quick maturing varieties were advised for the wet and backward western districts.

Potatoes developed with marked irregularity because of the wide variation in time of planting. Some early potatoes were near the blooming stage when first cultivated. Wheat, rye, and barley grew well on the better drainage and suffered damage on the wet lands. They improved in the last two weeks. The rainy weather seriously damaged strawberries and interfered with picking. Meadows, alfalfa, and pastures grew rank and weedy. Plowed fields, lying untouched for weeks, became foul with weeds. At the end of the month practically all farm work was two weeks or more behind.

TEMPERATURE.

The month opened warm, followed by several days of subnormal temperature. After the first week daily mean temperatures ranged from 5° to 12° above normal on most days, with maxima near and 90° at many stations in the periods 19-20th and 24-26th. The minimum temperature was much higher than usual for May. The extremes were 95° at Franklin on the 25th, and 30° at Anchorage on the 7th.

PRECIPITATION.

Except on the 31st precipitation in measurable amount was reported daily. From the 1st to the 16th moderate to heavy rainfall occurred daily, but on occasional days in this period the rains were scattered. Intervals without rain were too short for much progress in plowing. From the 17th to 24th rainfall was generally scattered, and heavy only in a few localities. This was the only period when progress with outdoor work could be made. From the 26th to the 30th moderate to heavy showers occurred daily. The average for the State was much greater than normal. Most southern counties and extreme northern districts received from 6.0 to 9.0 inches. In the central bluegrass region and limited areas in the upper Kentucky and lower Salt River basins they ranged between 3.5 and 5.0 inches. Because of the local character of the heavier rains, there was considerable irregularity in distribution. Amounts varied between 1.47 inches at Lexington and 10.42 inches at Cold Spring in Campbell County. Thunderstorms were reported on 20 days.

MISCELLANEOUS.

May 9. A tornado passed through Monroe and Russell counties, and at the same time storm which prevailed in Metcalfe and Adair counties. [illegible] were killed and 87 injured. The property damage was estimated at $[illegible]. The path of the tornado was about five miles long in Monroe County and [illegible] in Russell County, with a width varying from 250 feet to one mile. Heavy rain occurred with the storm.

May 15. A severe storm, which showed some indications of tornadic [illegible] occurred in Bath County. The path of greatest damage was [illegible] and 400 feet to one-fourth mile wide. There were no casualties. The damage was estimated at $[illegible].

Floods.—The highest May flood on record culminated at [illegible] on the 5th. At Cincinnati on the 16th, 39.1 feet upper gage and 56.1 feet lower gage [illegible] 1918, 42.5 feet at Evansville on the 26th, and 51.0 feet at Cairo on the 27th. Bottom lands along the lower Ohio and its tributaries remained flooded so long that [illegible] not be planted to corn. Along the middle and upper sections of the river planting of such land was delayed until early in June.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure reduced to sea-level.					Wind.				Relative humidity			
	Mean.	Highest.	Date.	Lowest.	Date.	Av. hourly velocity	Maximum velocity.	Direction.	Date	7 a. m.	7 p. m.	7 a. m.	Percentage of possible
Cairo ..... Ill.	29.96	30.10	18	29.51	7	8.6	40	se.	7	86	74	78	63
Cincinnati ..... Ohio	29.54	30.25	18	29.54	8	7.6	29	sw	13	84	67	71	58
Evansville ..... Ind.	29.92	30.19	18	29.52	9	9.5	30	sw	3	84	63	66	52
Lexington ..... Ky.	29.98	30.24	13	29.48	7	12.7	47	nw.	28	82	65	70	54
Louisville ..... Ky.	29.97	30.22	18	29.54	7	10.2	48	nw.	3	81	70	76	62

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days: Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889	67.6	− 1.7	94	28	5.64	+0.01	7.01	2.46					
1890	64.9	− 1.4	93	32	3.22	+0.20	7.27	2.00					
1891	62.8	− 2.7	90	29	1.78	−2.24	4.89	0.55					
1892	63.6	− 0.7	90	35	5.49	+1.47	10.05	2.66					
1893	63.2	− 2.1	96	35	5.59	+1.57	10.41	2.56					
1894	64.5	− 0.8	99	32	3.54	−0.48	6.25	1.26					
1895	69.9	− 1.4	99	29	3.16	−0.86	6.62	1.44		8	12	11	8
1896	72.2	+ 6.9	106	42	5.34	+1.29	11.78	1.65		11	14	11	6
1897	61.4	− 3.9	92	32	3.27	−0.75	6.04	1.55	T	16	7	9	5
1898	67.6	+ 2.3	93	31	4.52	+0.50	6.46	2.50	0.2	12	14	11	6
1899	68.8	+ 3.5	94	42	4.79	+0.77	8.16	2.10	0	11	11	12	8
1900	66.3	+ 1.0	96	39	3.48	−0.53	6.19	0.58	0	10	15	9	7
1901	63.7	− 1.6	97	34	2.65	−1.37	4.41	1.21	0	10	12	9	10
1902	70.0	+ 4.7	98	35	3.55	−0.47	7.09	1.37	0	9	14	8	8
1903	68.0	+ 2.7	95	38	5.23	+1.21	8.17	2.66	0	11	12	8	11
1904	65.5	+ 4.2	95	31	2.54	−1.48	5.10	0.63	T	9	16	7	8
1905	61.3	− 4.0	93	30	5.07	+1.06	9.58	2.93	0	12	12	7	12
1906	65.7	+ 1.4	96	28	4.34	+0.32	7.46	2.48	0	12	13	7	11
1907	63.9	− 1.4	93	27	4.64	+0.62	7.16	2.75	T	12	13	7	11
1910	64.1	− 4.4	89	30	4.81	+0.79	7.61	2.48	0	12	13	7	11
1911	69.4	+ 4.1	105	29	2.46	−1.56	4.82	0.48	0	5	22	5	4
1912	68.7	+ 1.4	97	37	4.55	+0.51	7.53	2.18	0	10	16	5	9
1913	66.1	+ 0.8	99	29	2.92	−1.10	5.80	0.58	0	8	16	5	8
1914	66.5	+ 1.2	103	32	2.16	−1.86	4.05	0.65	0	5	20	5	6
1915	68.2	− 0.1	95	35	6.62	+2.80	8.89	3.94	0	15	9	7	11
1916	67.2	+ 1.9	98	33	4.02	+0.60	7.35	2.05	0	13	11	7	8
1917	58.9	− 6.4	92	30	3.43	−0.59	5.32	1.24	0	7	12	7	12
1918	69.4	+ 4.1	97	38	4.29	+0.27	7.40	1.98	0	13	16	7	8
1919	63.2	− 1.4	95	35	6.75	+2.93	11.52	3.71	0	14	9	7	11
1920	64.2	− 1.1	94	32	4.08	+0.06	7.24	2.17	0	11	13	7	11
1921	65.9	+ 0.6	97	33	2.45	−1.57	5.85	1.12	0	8	16	7	7
1922	67.9	+ 2.6	94	35	3.87	−0.15	7.41	1.77	0	10	14	10	7
1926	63.9	− 1.4	91	27	3.98	−0.04	9.88	1.45	T	13	11	8	12
1924	59.8	− 5.4	82	34	5.04	+1.02	8.37	2.28	0	11	16	4	11
1925	61.2	− 4.1	86	28	2.61	−1.41	4.05	0.77	T	8	13	8	6
1926	66.2	+ 0.9	101	31	2.66	−1.36	4.63	1.17	0	7	17	4	6
1927	65.7	+ 0.4	93	31	7.43	+3.41	12.86	3.92	0	16	10	5	11
1928	66.2	+ 2.1	94	29	3.56	−0.46	6.40	1.80	0	10	16	5	8
1929	64.1	− 1.2	88	32	7.35	+3.33	11.21	4.88	T	13	12	6	11
1930	66.5	+ 1.2	94	33	2.26	−1.76	6.58	0.45	0	6	18	5	8
1931	62.7	− 2.6	87	30	3.55	−0.47	5.56	0.88	0	11	15	5	10
1932	65.1	− 0.2	95	35	1.47	−2.55	3.96	0.11	0	6	15	5	5
1933	68.7	+ 3.4	95	40	6.43	+2.41	10.45	3.47	0	17	11	6	11
Period	67.3	....	106	27	4.02	....	12.86	0.11	T	16	14	8	8

Climatological Data for May, 1933.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation in inches				Number of days				Prevailing direction of wind	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, melted.	With precip. .01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	29	70.2	+ 3.9	91	20†	48	7	32	6.59	+2.27	1.01	0	16	17	10	4	w.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	29	69.7	+ 2.6	91	25	48	3	27	7.79	+3.83	2.07	0	15	2	28	6	sw	W. A. Taylor.
Earlington	Hopkins	420	43	70.8	+ 3.9	90	13†	49	3	31	5.89	+1.40	1.40	0	17	11	8	12	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	4								6.84		1.03	0	16					W. D. Hatcher.
Greenville	Muhlenburg	519	16	68.6	+ 3.9	89	23†	47	8	30	5.24	+2.32	1.40	0	16	12	16	3	s.	C. R. Lovell.
Henderson	Henderson	382	19	69.4		90	25	47	3	25	7.23	+3.14	2.08	0	11	10	11	10	s.	Richard Stites
Hopkinsville	Christian	524	37	70.2	+ 3.1	93	25	49	3	32	6.90	+2.81	1.69	0	10	7	9	15	se.	Elaine Malone.
Louisville	Ballard	....	4	69.8		90	19†	50	8	33	7.19		2.15	0	13	14	9	8	s.	
Marion	Crittenden	571	35																	B. C. Paris.
Mayfield	Graves	361	24	69.6	+ 3.4	87*	19†	50	3	26	7.75	+3.16	1.90	0	9	15	8	8	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	7	70.0		91	20	49	3	32	8.78		2.22	0	13	8	11	12	s.	Harry B. Arnold
Owensboro	Daviess	479	36	67.6	+ 2.0	87	20	46	3	28	6.01	+2.25	1.35	0	16	10	9	12	s.	Henry S. Berry
Owensboro, Dam 46	Daviess	404	5								4.68		0.95	0	19					George McClemary.
Paducah	McCracken	316	16								5.43	+1.32	1.20	0	14					J. W. Lilley
Paducah, Dam 50	McCracken	341	44								4.87	+0.87	1.28	0	14					Frank L. Brown.
Princeton	Caldwell	529	26	70.8	+ 4.1	93	19†	50	3	34	6.42	+1.81	1.10	0	18	10	9	12	s.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	384	16								8.35	+4.51	1.85	0	18					Thos. L. Wetzell.
Russellville	Logan	580	22	68.7	+ 2.8	90	25	49	4	35	6.63	+2.75	1.62	0	14	10	12	9	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	5								7.81		2.20	0	14					Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	352	5								5.28		1.40	0	18					C. L. Moore.
Anchorage	Jefferson	700	32	65.8	+ 2.1	86	20	40	7	32	6.31	+2.55	3.12	0	13	8	11	10	se.	C. E. Barret.
Bardstown	Nelson	687	36	69.6	+ 3.6	93	23	44	7	34	5.93	+2.29	1.20	0	13	14	11	6	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	44	71.4	+ 4.0	94	25	49	3	30	7.56	+3.16	1.23	0	15	10	9	12	s.	Mrs. Nellie G Causey.
Bowling Green, No. 2	Warren	469	8								6.87		0.97	0	18					T. Rone
Brownsville, Lock 6	Edmonson	410	16								8.82	+3.32	1.50	0	20					Virgil N. Whalin.
Burnside	Pulaski	773	42								5.10	+1.11	1.65	0	14					T. A. Lewis
Carrollton, Lock 1	Carroll	422	34								7.76	+3.65	3.85	0	12					Shelby Angel.
Cave Spring, Dam 36	Campbell	489	7								10.48		4.16	0	20					Reuben Hartley.
Danville	Boyle	840	0	68 0		90	25	43	7	34	5.20		1.41	0	13	21	4	6	s.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	5	69.6		90	25	44	7	33	4.38		1.15	0	10	9	14	8	s.	C. W. Williams.
Eubanks	Pulaski	1177	39	67.6	+ 3.0	86	23	44	18	21	6.59	+2.21	2.10	0	13	7	8	18	s.	Mrs. Katie Payne
Frankfort	Franklin	560	41	69.0	+ 3.8	92	24	44	7	36	6.16	+2.54	1.18	0	16	9	5	17	s.	Sidney Wood.
Franklin	Simpson	691	38	71.9	+ 5.2	95	25	48	3	33	7.50	+3.58	1.75	0	18	13	12	6	s	M. E. Johnson.
Gest, Lock 8	Henry	429	22								6.37	+2.02	1.83	0	15					Louis Shiddell.
Grant, Dam 38	Boone	780	5								6.85		1.80	0	16					H. W. Sprague.
Greensburg	Green	581	40	69.0	+ 4.2	93	25	45	7	34	6.83	+2.48	1.44	0	16	2	2	27	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	850	31								4.15	+0.80	1.00	0	13					Miss ruby L. Simpson.
Irvington	Breckinridge	646	35	69.0	+ 3.1	88	20	46	7	25	3.80	+0.02	0.67	0	14	9	9	13	sw.	W. J. Pigott.
Lancaster	Garrard	1032	7								5.79		1.36	0	16					Walter Killion.
Leitchfield	Grayson	635	37	69.0	+ 3.9	89	25	47	3	28	6.07	+1.90	0.80	0	14	11	11	9	sw.	H. H. Willis.
Lexington	Fayette	969	49	69.9	+ 2.6	86	24	44	4	28	3.97	−0.44	1.18	0	15	11	11	9	sw.	U. S. Weather Bureau
Littlerickman Lock 8	Jessamine	823	22								4.42	+0.32	1.00	0	12					Horace Canter.
Lockport, Lock 2	Henry	476	23								7.08	+3.48	2.60	0	13					Frank Litch.
Louisville	Jefferson	525	60	68.2	+ 1.6	88	20	47	4	27	5.96	+2.26	1.89	0	17	5	10	15	s.	U. S. Weather Bureau
Munfordville	Hart	600	19								7.17		1.24	0	14					A. G. Hubbard.
St. John	Hardin	777	37	68.0	+ 3.7	90	20†	45	7	31	5.99	+1.86	0.95	0	16	16	4	11		Sisters of Loretto
Salvisa, Lock 5	Mercer	490	19								4.51	+0.03	1.10	0	11					Ernest M. Searcy.
Shelbyville	Shelby	825	44	66.6	+ 2.0	88	20	42	7	30	8.28	+4.26	1.85	0	16	11	3	17	s.	Miss Ruth Betts.
Smithfield	Henry	480	31	66.6	+ 2.2	82	20†	42	7	29	6.80	+3.25	1.65	0	15	13	8	10	w.	T. B. Bourne.
Taylorsville	Anderson	526	15								6.63	+2.07	1.14	0	13					H. E. Vaughn.
Tyrone, Lock 5	Anderson	512	35								7.20	+3.73	2.76	0	19	15	6	10	w.	Miss Nettie B. Simpson.
Williamstown	Grant	943	39	68.0	+ 4.4	92	23†	41	4	36	7.20	+2.91	1.10	0	16					R. J. Lewis.
Woodbury, Lock 4	Butler	533	16								6.55									
Eastern Division.																				
Annville	Jackson										6.38		1.36	0	16	7	9	15	sw.	W. A. Worthington.
Ashland	Boyd	534	14	68.9	+ 5.0	89	13†	45	4	30	7.82	+2.47	1.35	0	10	7	6	18	w.	Jacob Armbrister.
Beattyville	Lee	640	29					46	7		3.44	−0.53	0.58	0	13	11	7	13	sw.	Robert S. Smallwood.
Bedford	Madison	1076	28	64.6	− 0.6	90	25	41	7	33	5.58	+1.41	0.93	0	13	18	7	6	sw.	Chas. C. Graham.
Berea	Madison	001	23								5.47	−1.29	0.95	0	16					Sara Walden
Big Hill, Lock 11	Madison	634	15								3.85	+0.61	1.30	0	11					R. H. Kelton.
Bybee	Madison	600	44								6.43	+2.87	2.30	0	10					J. V. Oldham
Calhoun	Pendleton	637	25	68.0	+ 6.2	89	24†	43	7	38	8.15	+4.22	2.07	0	14	5	15	11	e.	Irs. R. F. Stamper.
Farmers	Rowan	1	8								5.60		1.32	0	13					C. A. Girscock
Flemingsburg	Fleming	541	17								4.77	+1.41	0.75	0	14					John V. Walters.
Ford, Lock 9	Clark	923	15								9.03		2.02	0	16					Col. Frank Powers.
Grayson	Carter	580	8								6.17	+2.89	1.79	0	21					T. Mitchell.
Greenup, Dam 30	Greenup	540	13								5.79		1.50	0	14	20	4	7	sw.	W. W. Duffield.
Harlan	Harlan	1197	5	68.8		87	25†	44	9	38	9.26		1.50	0	17					Chas. O. Ihrig.
Hazard	Perry	869	2								4.56	+1.05	0.81	0	14				w.	S. C. Cole.
Heidelberg, Lock 14	Lee	664	18								5.83		1.67	0	14					R. R. Davidson.
Jenkins	Letcher	1365	9								7.65	+2.98	1.70	0	15					Russian Copley.
Louisa	Lawrence	534	25								9.15	+6.23	2.40	0	14					Bennett H. White.
Manchester	Clay		13								4.77	+0.62	1.58	0	18	9	8	14		Perry E. Bennett
Maysville	Mason	522	36	67.7	+ 3.1	87	24	44	7	35	6.95	+2.67	1.97	0	8	12	19	0		Matthew Woodson
Mid'le boro	Bell	1126	37	68.4	+ 3.9	94*	20	44*	9	42*	6.66	+1.76	0.92	0	21	8	14	9		W. R. McGee.
Mount Sterling	Montgomery	930	43	67.8	+ 4.0	92	24	40	7	36	6.12	+1.89	1.15	0	21					Otto Riddle.
Oneonta, Dam 39	Cumbell	397	6								6.48		1.10	0	14					Eugene Daniel, Jr.
Paintsville	Floyd	667									9.26		1.50	0	17					Robert Pepuss
Pikeville	Pike	636	27								7.25	+3.88	1.75	0	13					J. W. Summerfield.
Pineville	Bell	1035		69 6		91	25	45	7	39	8.69		1.36	0	18	18	2	11		R. W. Jones.
Richmond	Breath tt	732	7	68.5		92	25	45	7†	33	7.67		1.58	0	13					Walter P. Bush.
Tarsons, Lock 12	Estill	691	15								5.33	+1.10	1.17	0	15					W. Crooke.
Versailles	Madison	926	42	69.1	+ 3.5	88	10†	47	7	27	5.52	+1.78	1.25	0	11	10	7	14		Thos. Sullivan.
Walley View, Lock 9	Madison	541	20								4.25	+0.61	1.26	0	11					H. M. Shannin.
Wheelwright, Dam 32	Lewis	525	18								4.92	+1.54	0.71	0	26					C. H. Zimmerman.
Whitesburg	Letcher	1142	8								5.56		0.95	0	15					P. F. Davis.
Williamsburg	Whitley	930	36	68.0	+ 2.2	88	24†	47	7	29	6.88	+0.72	2.12	0	12	12	14	4		Cleveland Angel
Winchester, Lock 13	Lee	611	14								5.66	+0.98	0.80	0	12					
Data received after publication				68.7	+ 3.4	95	25	40	7	12	5.43	+2.11	1.10	0	15	11	9	11	s.	

Averages and departures are taken from records for the same months.

Temperature data are taken from self-registering thermometers.

Precipitation data from normal temperatures and precipitations are computed only for such stations as have ten or more years of record, but all available reports are used in determining section or division means.

Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, 3 represents two days, etc.

*Also on other dates.

†Received too late to be included in means and summaries.

‡Precipitation is less than 0.01 inch rain or melted snow.

§Lone Oak.

¶Postoffice addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

Oneonta, California, Ky.

Errata. March 1933 page 10, Owensboro mean temperature should be 45.0; pages 10 and 11 should be 4.06.

January prevailing wind direction, page 10, should be east; Fayetta, total rainfall

Daily Precipitation for May, 1933.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaverlam	G		.28		.08	.57			1.01		.40	.29	.31		.56						.11		.40		.21	.52	.27	.1				
Calhoun	G		.25	.64	T.	.61		.07	.62	T.	.66	.56	T.		2.67	.27																
Darlington	G		.09	T.		.79	.02		.35		.65	.50	.48	T.	.38	.02	.10				.21	.80			F.		.46	.20	.1			
Fords Ferry Dam 50‡	O		.10	.02	T.	.48	.20		.33		.70	.41	.30		.75	.03	.80				T.	.47	.63		.14		1.4		.6			
Greenville	G		.10	.10		.60		.12	.35	T.	1.40	.71	.01		.45	.21					T.	.55	1.53		T.	T.	.42	.14	.10			
Henderson	O		.08			.60			.40	.84	.34			2.05	.70						1.21					.15	.42					
Hopkinsville	C	.01	.21			.87	.11		.58		.23		1.65	.22	.17	.01	.20					.15	.06		.14	T.	.01	.03	.06	.5			
Lovelaceville	M	.12			.05	.76		.42		1.10		2.1		.06		1.05																
Marion	O																															
Mayfield	G		.25			.96	.20		.07		1.50	1.70			1.29	.27																
Murray	T	.11			1.52	.16		.70		.23	.39	2.22	.15	.78	T.	.12																
Owensboro	O	.10	.19	T.		.94	T.		.02		1.33	.52	.05		1.29		.40				T.		.68	.27	.42	T.	T.					
Owensboro, Dam 46‡	O		.21	.61		.42	.07		.22		.93	.11	.10	.61	.70	.47	.26				.11	.32		.06	.03	.15	.6		.03			
Paducah (near) ¶	O			.16		.61	.12	.39			1.29	1.00			.80	.45						.45		.13	T.		.24	.13	.41			
Paducah ‡	O		.07	T.		.37	.18		.36		1.28	.56	.05	.03	.48	T.	.20										.07	.06				
Princeton	G	T.	.43		.17	.74		.18		.53	.91	1.10	.05		.47	.32					T.	.95				T.						
Ramsey, Lock No. 2 ‡	G		.30			.97			.65		.40	.82	.10		.85	.02	.16				.25	.20	.47		.56	.60	.45	.42				
Russellville ‡	G	.11	.74			.96	.01		.47		.60		.61		.60	.52	.25				.65						.30	.60	.45	.23			
Uniontown, Dam 49‡	O		.14	T.		.43	.19		.66		.84	.33	.27	T.	2.26	T.	1.25					.69	.21		.04			.14	.07		.26	
Central Division																																
Addison, Dam 45 ‡	O		.30	T.		.40	.21		.35		.52	.16	.11	T.	1.40	.07	.12															
Anchorage	O	.08	.22			.31			.20	.64	.25	.07	.15			3.12					T.		.27		.24	.10	.12	.62	.41	.1		
Bardstown	S		.50			.71			.10		.27	.11	.4		1.20	.09	.28								.32	.08	.2		.32			
Bowling Green	G		.69	.02		1.23	.05		.78		.40	.35	.05		1.20	.39	.22				.06					1.00	.50	.18	.37			
Bowling Green, No. 2	G	.5	.66	.12		.57	.08		.68		.62	.55	.52		.62	.02	.21				.20		.23		.68	.64	.12	.11		.01		
Brownsville, Lock No. 6 ‡	G	.18	.82	.04		1.76	.07		.02		.05	.60	.62		.35	.16	1.08				.11		.12		.10	.02	.85	.23	.64	.03		
Burnside ‡	S		.30	.23		.21	.23		.71		1.65	.24	.26			.12	.56							.08		.4	.24		.87			
Carrollton ‡ (Lock No. 1)	K		.54			.44						.21	.14		.85	.03	.34					.82				.18	.64	.11	.71			
Cold Spring, Dam 36‡	O	.12	.32	.01		.25	.15		.16		.56	.22	.20	.82	1.15	.02	.49			T.	1.46	.08			.48	.61	.16	.58	.15	T		
Danville	K	.20	.84			1.41			.40		.46	.30	.08		.46	.08	.84															
Dix Dam, Burgin ‡	K	.54			1.05		.20	.39		.09		.21		.61		.98																
Eubank	C		.51			.66			.45		2.1		.17	.41		.22																
Frankfort ‡	K	T.	.36			.48	.15		.10		.11	.02	.10	T.	1.07	T.	.80															
Franklin	G		.47			1.38	.03	.17	.51		.64	1.75	.49		.30	.20	.49				.02				.06	1.14		.28	1.02	.45		
Gest, Lock No. 3 ‡	K	.22	.21			.47	.14		.04		.25		.15		1.83		.20				.24	.57		.15		.01	.29	.3	.42			
Grant, Dam 39 ‡	O	.10	.20	T.		.24	.22		T.		.15	.5	.15	.90	.31	T.	.10				1.50	T.		T.	.03	.45	.13	.44	.48			
Greensburg ‡	G		.01	.01		1.44	.58				.31		.61	.87	1.22	.01	.12	.02	.42						.01	.22	.29	.28				
High Bridge, Lock No. 7 ‡	K		.34	.03		.77	.57		.22	.05		.11			.71	.03	1.00				.08				.04	.05	.10					
Irvington	O		.15	T.		.38	.02		.32	.13	.10	.29	T.		.61	.11					.41				.02	.14	.14	T.	.67			
Lancaster ‡	K	.70			.55	.81		.40		1.50	.02	.75	.02	.42	.01	.03								.18	.26	.03	.20	.05	.27			
Leitchfield	G	T.	.65			.80		.07	.05	T.	.70	.21		T.	.75	.13	.07				T.				.02	.75	.70	.07	.42			
Lexington ***	K	.13	.27	T.		1.78	.01	.20	T.	.10	T.	.10		T.	.37	.38	.08				.12		T.		.03	T.	.04	.48	.41			
Little Rickman, Lock No. 8 ‡	K		.33			.68			.41		.20		.23		.62		1.05				.05			.16	.23		T.	T.				
Lockport, Lock No. 2 ‡	K	.45			.41	.24		T.		.32	T.	.10	2.80			.09				.23				.58	.20	.26	.15	.67	T.			
Morrisville ***	O	.02	.21	T.		.50	.09	.25		.87	.45	.09	T.	.74	1.25	.55								.08	.41	.40	.20	.6	.27			
Munfordville ‡	G	.12	.62			1.21			.78		.56	.3	.51		.44	.12	1.24				T.					.34	.60	.18		.46			
St. John	S		.51			.50						.50	.20	.62	.42	.20	T.	.45				.20				.28	.58	.3	.05	.42			
Salvisa, Lock No 6 ‡	K	T.	.18			1.10	.28		.40	T.	T.	.15			.35	.74					.22				.06	.06	.2	T.				
Shelbyville	S		.27			.80	.12		.30		.46	.2	.03	.06	1.23	.08	.26				.24				1.85	.05	1.5	.70	.12			
Taylorsville	S		.61			.73			.53	.02	.62	.25			.85	.45	.26				.10		T.		.57	1.08	.70	.65	.52			
Tyrone, Lock No. 5	K		.53			1.14	1.14		.30		.58		.13			.52	.46				.20					.58	.3	.55	.26	.07			
Wilkinsontown	L	.16	.46	.01		.57	.15		.10		.12	.5	.24		2.56	.02	.2				.95				.03	.25	.5	1.27	.23	.15		
Woodbury, Loc. No. 4 ‡	G					1.10			.42		.06	.02	.57		.36	.05	.03				.17		.08		.12	.91	.06		.10	.08		
Eastern Division																																
Annville	C		.38	.53		.5	.15		.50		1.36	.15	.28	.04		.15	.82				.15				.03	.13	.13	.12				
Ashland ‡	H		.02	.82		.33	.50	.01			.07	.01	.02	.03	.17	.80	.08				1.26	.02			.06	.07	.05	.04	.02			
Beattyville	K		.58		.10	.01					.02			.09	.10		.10	.38			.45				.08	.42	.18	.02				
Berea	K		.21	.67							.52			.09	.10		.10	.38							.08	.42	.18	.02				
College Hill, Lock No. 11 ‡	K	T.	.75			.55	.22		.34		.25		.73	.01	.31		.27	.11	.36								.82		.13	.25			
Cynthiana ‡	L	T.	.35	T.	T.	.6	.51	.07	T.	T.	.57			.03	.32			.28			.18	.15		.10			.26	.55	.6	.10			
Falmouth ‡	L	.08				.83	.36		.07		.13	.40	.01		2.32		.26				.68		T.	T.	T.	T.	.15	.38	.06			
Farmers ‡	L		1.33	.25		.45	.47		.11		.22					.2	.05				.03			.02	.16	.03	1.05	.10			
Flemingsburg ‡	L	.51	.33			.59	.32				.47				1.22	.13	.50				.13				.14	.80	.31	.21	.05			
Ford, Lock No. 10 ‡	K	1	.22	T.		.58	.17		.25		.23	T.	.22	T.	.74	.01	.75				.53				.14	.11	.28					
Grayson	O			1.03		.4	.02		.03		2.05		1.20		.71		1.78				.74				T.		.67	.18	.02	T.		
Greenup, Dam 30 ‡	O		.60	.33	.02	.18	.03	.17	.02		.13	.19	.22		.10	.37	.42				1.75								.21			
Harlan	K			.70		.39	.40		.42		2.30	.10	.55				.42				1.70	.05			.05	.02	.22	.10	.05	.03		
Hazard ‡	K		.60	.10		.18	.16		.1		1.85		.41	.92			.80	T.			1.00		.20		.08	.58	T.	.03	T.	.58	.05	.02	
Heidelberg, Lock No. 14 ‡	K		.2	.20		.31	.13		.33		.1														.03	T.	.58	.05	.05	.03		
Jenkins ‡	K			.05		.32	.26	.42			1.07	.20															.54	.81	.52	.18			
Louisa ‡	B		.20	.75		.85	.56		.03		1.70																.16	.02	.05	.24			
Manchester	K		.28	1.50		.56			.40		2.40	.28	.1	.7		.26	.04				.02	.33			.15		.40	.09	.16			
Maysville ‡	O	.06	.11	.18		.24	.75	.01	.2		.16	.02	.6		1.36	.08	.27				.36						.35	T.	.28	.12	.12	
Middlesboro	C	.55				.31	.04				1.67	1.35	.6																			
Mount Sterling ‡	L	.28	.70	.05	.12	.6	.34		.14		.55	.42	.02	.05	.56	T.	.92	T.	.02		.15				.75		1.10					
Oneonta Dam 25 ‡	O	.05	.28	.02	T.	.38	.32				1.5	.87	.22	.84	.05	.04	.42			T.	.66	.01			.10	1.34	.04	.14	.12	.02		
Paintsville	B		1.10			.6	.19				1.04	.2	.33	.09	.37	.72					.17						.2	.24	.11	.02		
Pikeville	B			.66		.66	.28				.25		.55	1.08		.11	1.85	T.			.03	T.			T.		12	1.03	.22	.10		
Pinpapass	K		.76	.03		.95	.25		.25		.84		1.28		.10	.03	1.36				.85	.02				1.23		.60	.26			
Quicksand ‡	K	.45		1.25		.54	.27		.55		.30		.25			T.	1.45				.34	.25			.55		.51		.27			
Ravenna, Lock No. 12 ‡	K		.72	.07		.24	.13		.8		.46	T.	.36	T.	.48	1.1					.44	.12				.35	.11	.19	.15			
Richmond	K		.36			.56	.08		.36		.45	T.	.45	T.	.50		1.28				.65	.20			.16		.35	.11				
Valley View, Lock No. 6 ‡	K		.20		.05	.32		.39		.18		.25			1.20						.32	.10				.30	.13		.25			
Vanceburg, Dam No. 32 ‡	O	.12	.27	.40		.24	.71	.05	.02		.15	.10	.22		.58	.49	.62				.26	.03			.23	.12	.04	.30	.06			
Whitesburg ‡	K					.18	.70		.50		.79		.40	.70		.02		.03	.02		.30	.07			.05	.80	.21	.30	.28	.15		
Williamsburg ‡	K			.21		.28	.10		.46		2.12	.08	.48			.05	.68										1.81	.72				
Willow, Lock No. 13 ‡	K		.45			.10			.30	.78				.12	.80						.75	.28			.01	.00	.26	.75				

Except as otherwise indicated observations are usually made at 7 a.m. (90th meridian time) each morning, and precipitation recorded is for the 24 hours ending at that time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (C) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Daily Temperatures for May, 1933.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	84	81	65	64	79	76	76	82	84	78	74	80	85	83	77	78	78	81	89	91	87	80	83	90	91	86	83	88	82	85	78	81.4
	Minimum	66	57	49	52	55	55	48	54	60	57	64	62	70	63	57	54	53	58	57	60	68	64	62	64	64	65	63	59	64	56	54	59.1
Calhoun	Maximum	83	76	56	64	76	76	72	81	81	76	71	78	83	78	76	75	78	82	87	89	81	86	86	90	90	90	89	90	85	83	87	80.9
	Minimum	64	54	48	52	55	53	49	56	61	56	64	63	71	61	59	55	56	57	60	68	65	64	64	65	66	67	62	61	64	57	58	60.1
Earlington	Maximum	86	76	60	65	77	74	74	82	82	81	73	80	84	80	78	78	82	85	90	90	89	84	88	93	90	85	83	87	80	82	80	81.2
	Minimum	69	55	49	53	55	55	52	60	64	56	65	62	75	61	58	53	51	54	60	70	65	64	65	70	68	69	66	62	68	64	53	60.3
Greenville	Maximum	83	76	60	63	76	78	73	79	81	77	72	78	82	84	78	75	78	82	88	92	86	87	88	88	89	83	80	84	78	81	78	79.1
	Minimum	68	54	47	61	64	54	53	53	61	65	62	66	69	66	65	63	64	63	69	70	68	69	69	64	64	62	59	61	57	64	60	58.1
Henderson	Maximum	85	75	64	67	75	67	72	80	82	70	75	80	80	76	74	75	76	79	80	78	85	89	90	87	88	90	81	82	85	85	81	82	79.0
	Minimum	62	58	47	54	53	52	54	54	64	63	60	70	68	59	58	55	62	67	66	61	64	64	64	68	66	67	62	61	61	58	57	59.7
Hopkinsville	Maximum	85	76	60	67	77	76	73	82	81	79	74	75	82	80	79	80	81	83	90	91	90	85	89	90	93	85	85	87	81	84	83	81.4
	Minimum	67	55	49	52	56	56	52	50	58	60	61	60	70	65	58	58	60	54	60	65	63	66	68	66	66	66	68	68	59	62	52	59.1
Lovelaceville	Maximum	83	67	60	66	75	74	78	81	84	78	71	75	84	80	74	74	79	81	85	90	91	90	90	88	89	86	87	85	88	85	82	80.8
	Minimum	60	53	51	52	55	52	54	50	52	57	60	61	72	61	60	56	51	56	57	58	64	65	62	65	68	69	63	60	63	58	57	59.2
Marion	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Mayfield	Maximum	80	79	61	68	72	78	75	78	80	79	72	...	81	80	75	77	79	83	87	87	86	87	86	88	88	89	84	85	83	83	86	79.5
	Minimum	64	58	50	51	56	54	51	54	63	58	59	...	62	60	61	54	56	59	61	64	66	68	69	63	73	64	68	66	65	66	59	59.8
Murray	Maximum	85	76	61	70	77	75	73	81	81	77	76	78	84	77	77	77	82	86	90	91	90	88	89	90	90	81	82	85	80	83	82	81.2
	Minimum	62	54	49	52	51	55	50	52	61	61	60	63	71	62	55	52	51	56	57	62	67	62	67	66	67	65	66	65	62	62	52	59.2
Owensboro	Maximum	83	77	56	58	74	67	72	78	80	77	69	77	81	77	73	72	76	78	86	87	79	79	85	85	86	86	79	74	76	77	77	76.8
	Minimum	66	58	46	49	53	52	58	53	59	60	63	60	69	59	58	52	58	56	58	60	62	63	61	65	64	66	64	65	62	54	54	58.3
Paducah (near)	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Princeton	Maximum	83	76	59	67	79	75	74	85	84	72	72	80	86	76	78	80	82	88	93	92	91	89	92	91	89	92	91	84	89	81	82	81.7
	Minimum	67	54	50	52	55	55	51	53	57	56	62	65	72	60	58	54	53	56	59	67	64	65	66	67	68	67	66	61	63	54	57	59.8
Russellville[3]	Maximum	81	64	56	60	76	78	78	81	81	79	80	78	88	73	80	74	76	82	87	88	...	...	86	87	87	90	85	85	78	83	77	80	78.7
	Minimum	64	57	47	49	54	53	50	54	58	51	60	61	69	65	56	55	61	62	62	68	68	...	61	66	67	66	65	58	64	51	53	58.7
Central Division.																																	
Anchorage	Maximum	83	74	58	59	75	65	72	76	78	68	76	76	80	68	69	71	72	75	84	86	76	75	85	86	84	83	76	...	74	76	...	75.2
	Minimum	64	49	48	46	54	44	40	56	56	59	60	62	64	62	64	63	48	56	55	60	68	66	66	68	66	65	62	61	65	55	50	56.8
Bardstown	Maximum	87	75	60	64	79	70	75	80	83	79	81	80	84	74	74	76	76	83	89	91	84	85	87	93	93	87	87	91	86	86	82	79	80.9
	Minimum	66	59	48	49	62	57	55	57	58	62	65	60	69	62	57	56	56	58	60	63	63	60	60	63	63	68	66	66	57	62	55	53	58.2
Bowling Green	Maximum	86	75	62	67	82	79	78	83	84	79	80	83	85	79	82	75	80	85	90	93	90	90	94	85	82	89	89	87	85	85	87	82	82.8
	Minimum	68	61	49	52	56	61	61	55	55	62	64	62	70	67	58	59	66	65	66	68	67	68	68	69	68	67	66	67	66	66	65	57	60.6
Danville	Maximum	84	78	58	62	81	69	72	77	84	79	78	79	88	79	80	77	77	79	86	88	81	82	89	88	90	85	82	85	78	83	77	79	79.2
	Minimum	62	57	47	46	61	57	48	55	59	60	62	60	66	64	58	58	59	60	66	66	61	64	66	66	66	62	65	66	57	60	58	54	56.8
Dix Dam	Maximum	85	81	61	63	81	78	74	77	78	82	80	80	84	80	80	78	79	84	87	89	87	86	88	88	89	90	87	82	84	82	78	76	80.4
	Minimum	65	61	50	48	63	59	44	59	60	63	66	66	66	64	61	60	63	67	68	68	67	66	68	68	67	66	66	66	63	64	64	64	64.4
Eubank	Maximum	86	77	59	65	78	70	77	81	82	77	78	78	86	76	78	78	79	79	86	87	82	83	86	87	87	87	86	85	83	84	83	80	81.7
	Minimum	61	57	47	47	52	57	52	54	49	59	59	60	65	65	60	57	56	59	59	60	65	62	61	60	65	64	65	60	59	64	64	54	58.7
Frankfort	Maximum	86	85	61	61	82	74	74	80	81	80	81	84	85	81	71	75	76	80	89	91	85	81	90	92	89	89	82	85	79	81	80	78	79.8
	Minimum	62	59	49	46	51	56	44	58	49	62	63	61	63	64	55	57	49	49	60	64	59	60	66	66	67	66	65	58	61	58	50	53	57.0
Frankfort	Maximum	86	75	63	70	82	78	78	85	85	85	81	80	87	79	84	76	79	86	92	91	87	90	93	92	90	87	86	87	82	90	84	84	79	83.3
Franklin	Maximum	87	66	48	52	65	59	51	59	61	63	62	63	71	66	59	57	61	62	63	66	66	62	62	68	67	67	66	59	67	54	66	65	60.5
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	85	82	83	79	85	80	85	83	77	81	76	77	74	.....
Glasgow	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	59	56	59	60	68	68	64	62	67	68	67	65	59	65	55	54	.....
Greensburg	Maximum	87	78	61	66	82	76	76	81	85	80	79	80	86	77	81	77	75	85	88	91	87	89	91	87	89	91	88	87	90	87	79	83	78	81.8
	Minimum	67	59	49	49	54	57	45	54	52	59	61	69	66	65	63	58	51	48	59	58	59	59	60	65	65	64	65	61	49	51	51	56	56.8
Irvington	Maximum	87	77	56	61	77	70	72	77	78	77	77	77	81	80	74	74	74	79	85	88	85	78	86	86	87	83	79	83	77	76	78	78	78.0
	Minimum	67	55	48	49	60	55	41	58	63	62	63	68	71	69	62	56	54	54	59	60	66	63	62	67	66	65	60	60	60	60	60	60	59.6
Lawrenceburg	Maximum	82	76	58	62	77	71	74	78	81	77	78	79	82	77	77	79	78	81	85	88	83	81	85	88	86	85	76	83	77	75	78	78	78.4
	Minimum	67	56	47	50	52	57	48	55	61	60	64	62	72	64	58	55	56	58	62	66	66	66	66	64	66	66	64	60	63	61	57	60.0
Lebanon	Maximum	88	71	55	61	78	69	71	74	80	79	79	77	80	71	74	77	77	81	85	86	84	83	87	89	87	87	82	86	78	75	72	72	75.4
	Minimum	63	49	40	44	50	50	49	55	58	63	63	63	67	62	58	55	55	55	60	66	66	63	67	68	67	66	67	62	69	62	58	66	58.4
Lexington	Maximum	84	74	56	60	78	69	72	77	80	77	77	77	81	77	77	77	77	81	85	87	84	83	87	89	87	87	83	84	81	80	77	78	76	76.8
	Minimum	64	56	46	48	56	59	47	55	58	63	63	63	67	62	58	55	56	58	62	66	66	63	67	68	67	66	67	62	69	62	58	66	58.4
Louisville	Maximum	84	74	56	60	78	69	72	77	80	77	77	78	81	76	77	77	77	81	85	87	84	83	87	89	87	87	83	84	81	80	77	78	76	76.8
	Minimum	70	49	47	47	51	53	48	59	56	59	61	63	61	60	59	57	56	57	61	70	66	63	64	68	66	67	62	61	64	60	59	59	59.6
Shelbyville	Maximum	82	75	58	61	72	70	74	80	81	77	75	78	86	82	75	75	76	78	80	80	80	80	85	87	86	84	77	82	76	75	78	78	78.5
	Minimum	66	59	47	47	57	51	48	56	56	61	62	60	66	62	58	55	53	52	58	63	63	61	62	64	65	65	59	61	51	62	57	56	57.6
Taylorsville	Maximum	81	76	56	60	79	71	71	77	80	77	78	79	81	76	76	71	73	78	80	82	87	79	73	81	80	81	78	86	76	78	78	76	76.2
	Minimum	68	58	48	48	62	60	42	59	52	62	68	61	68	62	56	57	49	49	58	60	64	62	58	60	62	62	58	60	63	58	53	53	57.5
Williamstown	Maximum	86	81	69	65	70	77	74	79	82	78	83	80	83	73	68	73	77	80	86	89	84	83	87	89	87	88	83	85	84	80	77	80	77	80.4
	Minimum	61	57	46	41	47	53	42	55	52	59	58	60	66	58	55	56	46	49	54	63	61	55	54	65	62	65	65	56	60	59	52	56.6
Eastern Division.																																	
Ashland	Maximum	80	80	58	60	79	78	72	76	77	77	81	82	86	84	73	71	70	80	87	84	77	77	88	88	87	88	74	87	83	84	77	79.3
	Minimum	62	63	51	46	50	57	48	58	52	64	61	63	64	63	58	51	55	60	66	65	63	61	61	68	61	64	64	61	68	61	58	58.6
Beattyville	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	58	61	56	49	60	58	46	66	66	64	64	65	68	65	63	63	62	61	47	55	56	65	58	57	62	62	64	66	66	63	60	54	57.2
Berea	Maximum	86	77	66	66	81	77	77	77	85	74	79	78	83	78	78	73	72	71	83	85	87	83	82	87	88	90	88	80	82	80	80	75	79.9
	Minimum	64	57	48	47	52	54	44	56	58	61	62	62	67	65	54	59	56	48	60	67	65	60	62	70	65	67	64	64	68	57	54	59.2
Farmers	Maximum	83	84	69	68	81	79	77	75	84	82	84	82	86	79	79	71	72	81	86	88	85	79	87	85	90	88	84	87	82	80	81	79	79	79.2
	Minimum	56	59	47	45	49	54	43	56	46	64	59	62	62	63	59	56	46	47	52	60	63	59	63	63	63	61	63	64	64	62	61	55	55.5
Harlan[3]	Maximum	84	72	60	74	78	76	78	76	82	71	82	77	86	84	76	76	84	72	77	82	80	84	83	84	86	87	87	74	80	82	77	72	78.3
	Minimum	54	67	51	51	57	66	46	56	44	66	66	68	66	68	64	62	48	52	55	66	62	60	60	62	64	65	65	57	64	61	62	54	58.8
Harlan[3]	Maximum	86	76	60	66	82	80	76	78	84	80	82	80	84	81	74	72	71	78	83	85	80	77	85	87	85	87	82	81	78	76	76	76	79.2
	Minimum	54	57	48	44	52	48	42	54	49	59	59	64	65	63	62	58	46	46	56	62	59	56	60	62	63	62	61	57	60	59	56	52	56.2
Maysville	Maximum	84	77	58	64	80	76	75	77	84	80	82	80	84	80	77	77	77	80	85	87	84	83	87	89	87	87	84	84	82	82	85	83	80.9
	Minimum	64	55	46	45	49	54	42	57	58	61	62	60	68	66	60	58	56	56	58	62	62	60	62	64	64	64	64	58	62	58	58	53	57.5
Middlesboro	Maximum	66	...	59	78	79	79	75	72	81	79	78	79	81	81	83	85	71	76	87	87	87	88	90	86	92	86	87	88	90	90	92	87	85	85.9
	Minimum	52	...	49	48	57	55	40	56	49	59	57	59	67	60	59	58	58	57	60	68	68	66	66	67	68	68	66	66	67	66	64	64	63	60.1
Mount Sterling	Maximum	88	76	59	62	81	71	76	78	80	78	82	83	87	78	78	72	72	80	88	90	87	86	90	92	93	91	91	86	88	91	91	89	91	84	91	77	83	83	83	83.1
	Minimum	63	55	47	44	49	55	40	53	49	63	61	60	64	60	51	55	47	47	56	60	62	55	55	61	62	65	64	65	66	65	63	63	61	55.8
Pikeville	Maximum	89	85	66	66	82	82	80	85	85	83	86	86	89	85	80	82	83	86	92	93	90	88	91	93	94	93	92	88	91	93	93	91	93	88	93	82	86	86	86	86.2
	Minimum	52	59	50	50	50	54	45	54	46	60	55	61	61	62	60	59	51	47	52	58	64	58	58	59	62	63	62	59	63	62	61	61	62	57	62	56	58	58	58	57.3
Quicksand	Maximum	88	80	68	66	76	78	78	80	80	83	82	86	86	86	86	86	86	86	88	88	84	84	88	89	92	89	88	88	88	88	88	88	88	84	88	78	82	82	82	82.8
	Minimum	51	58	48	46	51	54	45	55	47	61	57	60	61	61	61	61	59	59	46	52	55	54	58	59	59	59	59	58	59	59	59	59	59	58	59	58	58	58	58	57.6
Raccoon[3]	Maximum	88	77	74	62	84	80	79	77	78	78	77	79	77	82	84	83	77	79	85	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87.0
	Minimum	65	60	56	48	62	59	47	54	56	62	64	63	67	65	66	60	60	62	58	65	65	59	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66.0
Williamsburg	Maximum	80	76	61	68	75	76	76	76	86	74	79	75	76	77	81	71	79	72	79	82	80	80	86	86	88	86	85	86	86	86	86	86	86	86	86	86	86	86	86	86.0
	Minimum	63	64	53	50	56	58	47	56	50	60	57	62	65	63	62	62	62	62	59	67	67	61	62	61	63	61	66	66	65	62	63	54	58.2

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

[3] 1st, 2d, 3d, etc., indicate respectively 1, 2, 3 etc., days missing from record.

[3] Russellville, 5-15-33, 1100

551.05
UNKE

THE LIBRARY OF THE
JUL 24 1935

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.
JAMES L. KENDALL, Meteorologist.
VOL. XXXVIII LOUISVILLE, KY., JUNE, 1935 No. 6

GENERAL SUMMARY.

The month was the driest June of record, and also one of the warmest. Rainfall was sufficient for the needs of crops only in a few northeastern counties.

The almost rainless weather and high temperatures soon hardened the ground, and interfered with preparation for corn and tobacco. Corn planting continued till late in the month, with soil so cloddy and poorly pulverized that germination failed. Because the soil finally became too hard for plowing, planting was not finished in some places. In the last two weeks there was considerable activity in planting the recently overflowed lands along the rivers in the western counties. Early corn had stood too long without cultivation while the remainder of the crop was being planted. When cultivation became possible the ground was soon too hard for satisfactory work. This situation favored unusual weediness in first plantings, but the heat and dryness helped in cleaning out the weeds. Corn on uplands and the thinner soils, especially where cultivation had been slight, was suffering for rain toward the end.

The belated preparation for tobacco was largely finished during the first week, but lack of rain prevented setting in the hilly districts and thus considerably reduced the crop. Some localities received enough rain to permit hand setting, otherwise most of this work was done on the smooth land by machines. High temperature delayed starting and caused much tobacco to die.

In the rather sudden advent of abnormal heat the straw of wheat matured too rapidly, leaving the heads partly unfilled or with shriveled grains. Harvest began in the southwest in the second week and continued under almost ideal conditions until finished.

Pastures remained generally good during the first two weeks, but dried seriously toward the end. Early potatoes almost completely failed in most places. Cannery tomatoes reached a standstill and the heat tended to prevent setting fruit. Production of home and truck gardens lessened. Raspberries dried on the bushes. Near drought conditions had developed in the hilly districts of the central, southern and western counties by the close.

TEMPERATURE.

The month began cool, but temperatures soon rose above normal and so remained for a decade. A few decidedly cool days about the middle temporarily broke the heat wave and brought lower temperature than the minima generally recorded in the month preceding. After this temperatures continuously above normal prevailed. Maximum temperatures of 100° or higher occurred rather frequently in the western counties during the warm periods. Extremes were 105° at Franklin on the 21st and 39° at Middlesboro on the 14th.

PRECIPITATION.

The average precipitation, 1.57 inches, was somewhat less than the record set in June, 1930. A few stations in the middle basin of the Kentucky and in the counties northeastward received normal rains. In a limited district from the central Bluegrass northeast to the upper Ohio, amounts ranged from 2.6 to 5.0 inches. Surrounding this section in a belt several counties wide, and diminishing away from the small moist area, amounts varied from 1.0 to 2.0 inches. In most southern and w[illegible]

counties the range was from a mere trace to [illegible] For the state [illegible] Delaware, Irvington and a [illegible] rains. Local showers, exceedingly variable in [illegible] and 2.5 to 3.0. Hail were moderate to heavy [illegible] 29 to 29. At most western and [illegible] to moisten the soil to the depth that it was [illegible] reported on the following dates: [illegible]

MISCELLANEOUS.

June 30.—Lightning damaged a school building at [illegible] barns, [illegible] and wire systems were damaged by windstorms in Fulton, Campbell and [illegible] buildings were unroofed, chimneys blown down, and [illegible] Fort Thomas.

Rivers.—The Ohio continued above flood stage at Cairo for the first two days, but the steady decline lowered it to pool stage in all sections before the end.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Relative humidity. Date.	7 a. m.	12 noon	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.99	30.32	15	29.78	23	6.7	28	ne.	13	76	47	56	92
Cincinnati ..... Ohio	30.00	30.35	15	29.76	5	6.6	30	nw	30	68	46	56	88
Evansville ..... Ind.	30.00	30.39	15	29.80	23	7.0	23	nw.	26	67	39	44	87
Lexington ..... Ky.	30.03	30.36	15	29.84	23	10.8	41	nw.	12	68	46	...	85
Louisville ..... Ky.	30.01	30.36	15	29.82	30	9.0	34	se.	9	65	44	47	88

COMPARATIVE DATA FOR JUNE.

Year	Temperature. Mean.	Departure.	Highest	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days. Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889....	70.6	− 3.2	99	38	5.27	+1.16	8.04	1.88	..	..	..	..	..
1890....	78.4	+ 4.6	101	51	4.98	+0.86	9.66	0.84	..	..	..	..	..
1891....	77.1	+ 3.3	97	51	4.48	+0.39	8.39	2.63	..	..	..	..	..
1892....	75.8	+ 2.0	101	48	4.23	+0.12	8.45	0.77	..	..	..	..	..
1893....	73.3	− 0.5	97	48	4.61	+0.53	9.30	1.11	..	..	..	..	..
1894....	75.6	+ 1.8	102	35	2.66	−1.42	5.18	0.93	..	..	..	..	..
1895....	75.9	+ 2.1	104	47	3.63	−0.45	9.99	1.23	0	..	8	10	8
1896....	73.5	− 0.3	98	48	4.64	+0.57	11.22	2.02	0	10	11	12	7
1897....	73.4	− 0.4	101	41	3.61	−0.46	7.36	0.86	0	9	11	10	7
1898....	76.2	+ 2.4	101	45	3.96	−0.21	7.94	1.55	0	9	15	12	3
1899....	76.1	+ 2.3	100	44	2.86	−1.31	5.72	0.14	0	8	15	10	5
1900....	73.8	+ 0.1	100	40	6.14	+2.03	13.31	1.89	0	14	8	12	10
1901....	75.6	+ 1.8	100	42	3.68	−0.11	9.81	0.72	0	10	15	9	6
1902....	73.4	− 0.4	101	39	5.55	+0.64	7.77	1.40	0	11	12	8	10
1903....	68.6	− 5.2	95	37	3.61	−1.30	7.81	0.83	0	10	14	8	8
1904....	73.2	− 0.6	99	48	3.14	−0.97	6.03	1.45	0	11	14	10	6
1905....	74.8	+ 1.0	106	45	4.38	+0.25	7.65	1.40	0	10	13	8	9
1906....	73.9	+ 0.1	99	42	4.78	+0.67	10.10	2.02	0	11	9	11	10
1907....	70.2	− 3.6	95	41	4.91	+0.80	9.43	1.21	0	12	12	9	9
1908....	73.4	− 0.4	102	43	4.36	+0.25	7.21	0.66	0	7	17	7	6
1909....	74.5	+ 0.7	99	43	5.03	+0.92	10.26	2.31	0	14	11	11	8
1910....	70.0	− 3.8	99	36	5.20	+1.09	9.31	0.41	0	11	15	8	7
1911....	75.2	+ 1.4	105	45	3.43	−0.68	5.71	1.81	0	11	17	8	5
1912....	70.2	− 3.6	95	38	3.48	−0.63	6.82	1.20	0	10	15	8	7
1913....	75.0	+ 1.2	107	38	2.87	−1.24	5.78	0.82	0	7	13	6	11
1914....	78.2	+ 4.5	103	45	2.20	−1.81	5.64	0.26	0	5	18	8	4
1915....	71.7	− 2.1	95	42	4.73	+0.68	9.18	1.99	0	12	12	10	8
1916....	70.1	− 3.7	95	45	4.94	+0.89	8.99	2.55	0	11	13	9	8
1917....	70.9	− 2.9	100	39	4.36	+0.21	6.71	2.59	0	10	15	8	7
1918....	73.6	− 0.2	104	37	3.69	−0.48	7.64	1.22	0	8	20	8	2
1919....	70.7	− 2.9	105	51	4.09	−0.11	8.04	1.48	0	10	14	9	7
1920....	73.9	− 1.9	105	44	3.12	−0.99	6.32	0.70	0	7	14	7	9
1921....	73.8	− 1.0	100	46	2.59	−1.21	5.35	0.79	0	5	14	11	5
1922....	73.4	− 1.6	100	44	3.20	−1.01	6.66	0.35	0	5	14	10	6
1923....	75.8	0.0	99	42	4.39	+0.26	8.05	2.10	0	8	16	7	7
1924....	74.9	+ 0.4	99	42	5.30	+1.25	8.57	1.92	0	12	13	7	10
1925....	75.6	+ 3.2	102	48	3.38	−0.67	7.35	1.10	0	7	16	7	7
1926....	70.1	− 2.9	98	42	5.45	+1.40	9.39	0.48	0	13	15	8	7
1927....	70.1	− 3.4	98	42	4.25	+0.20	7.66	2.01	0	11	14	9	7
1928....	69.8	− 3.3	93	45	1.88	−2.17	10.22	0.33	0	5	7	10	13
1929....	71.7	− 2.1	97	37	3.19	−0.89	5.61	1.57	0	8	17	7	6
1930....	74.1	− 0.7	104	38	1.24	−2.84	2.56	0.05	0	3	19	7	4
1931....	75.3	+ 1.5	98	48	2.80	−1.31	5.79	1.06	0	8	12	7	11
1932....	74.8	+ 1.0	103	40	4.68	+0.57	7.58	1.68	0	11	13	6	11
1933....	76.5	+ 2.7	105	49	1.57	−2.54	3.67	T	0	1	21	6	7
Normal	73.8	....	100	35	4.11	.....	6.92	T	0	10	14	6	7

Climatological Data for June, 1933.

Station	County	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (melted)	With .01 or more	Clear	Pt. cloudy	Cloudy	
[illegible]	Ohio	441	29	77.2	+ 3.0	101	21†	42	14†	40	6.12	−3.05	0.12	0	1	28	2	0	s.	Mrs. Lena F. Taylor.
[illegible]	Nelson	537	29	78.3	+ 2.9	101	21	47	15	36	0.88	−2.71	0.70	0	3	14	16	0	sw	W. A. Taylor.
[illegible]	Hopkins	420	45	78.2	+ 2.6	101	30	43	14†	38	0.36	−3.45	0.16	0	3	28	2	0	sw.	Brick Southworth
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.59	[illegible]	0.58	0	2	[illegible]	[illegible]	[illegible]	[illegible]	W. D. Hatcher.
[illegible] Ferry, Dam 50	Crittenden	366	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.57	−3.64	0.15	0	3	27	3	0	s.	C. R. Lovell.
[illegible]	Muhlenburg	519	16	75.6	+ 0.7	98	21	41	15	36	0.30	−3.77	0.14	0	3	21	6	5	s.	Richard Stites
Henderson	Henderson	382	19	79.5	[illegible]	102	20	47	14†	35	0.30	−3.77	0.14	0	3	21	6	5	s.	W. E. Graves.
[illegible]sville	Christian	524	37	78.0	+ 2.5	102	21	44	15	41	3.65	−0.66	2.21	0	1	17	4	9	ne.	Blaine Malone.
Lovelaceville	Ballard	[illegible]	4	77.4	[illegible]	102	20	41	15	45	0.30	[illegible]	0.30	0	1	29	1	0	s.	Mrs. C. R. Sowell.
Mayfield	Graves	364	24	[illegible]	[illegible]	99*	21	[illegible]	[illegible]	[illegible]	0.90	−2.83	0.90	0	1	24	6	0	sw.	Harry B. Arnold
Murray	Calloway	412	7	76.9	[illegible]	101	30	40	15	41	0.71	[illegible]	0.40	0	2	15	11	4	s.	Harry S. Berry.
Owensboro	Daviess	479	36	76.6	+ 2.3	99	21	43	15	38	0.19	−3.56	0.10	0	2	26	4	0	s.	George McGlemary.
Owensboro, Dam 46	Daviess	404	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.16	[illegible]	0.16	0	1	[illegible]	[illegible]	[illegible]	[illegible]	J. W. Lilley
Patterson (near)	McCracken	616	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.37	−3.51	0.26	0	3	[illegible]	[illegible]	[illegible]	[illegible]	Frank L. Brown.
[illegible]	McCracken	341	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.44	−4.41	0.24	0	2	[illegible]	[illegible]	[illegible]	[illegible]	Dr. W. L. Cash.
Princeton	Caldwell	529	26	75.0	+ 4.1	102	7†	41	15	42	0.40	−3.45	0.25	0	3	19	11	0	s.	Thos. L. Wetzell.
[illegible], Lock 2	Nelson	394	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.61	−3.15	0.54	0	2	[illegible]	[illegible]	[illegible]	[illegible]	Wm. Shelton.
[illegible]sville	Logan	536	22	*75.6	+ 0.7	97*	7†	42*	15	32	0.94	−2.65	0.78	0	3	24	6	0	n.	Earl Holder.
[illegible]town, Dam 42	Union	357	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.08	[illegible]	0.08	0	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] Furnace	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Addison, Dam 45	Breckinridge	352	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.69	[illegible]	0.35	0	3	[illegible]	[illegible]	[illegible]	[illegible]	C. L. Moore.
[illegible]	Jefferson	499	32	74.4	+ 2.4	97	3†	41	14	36	1.29	−2.47	0.87	0	2	26	4	0	sw.	C. E. Parret.
[illegible]	Nelson	637	36	77.5	+ 3.0	101	7†	43	15	42	1.83	−2.26	0.75	0	3	23	5	2	sw.	Mrs. Emily T. Sisco.
[illegible]	Warren	560	44	79.6	+ 3.8	102	7†	49	15	36	0.80	+3.22	0.30	0	4	21	5	1	s.	Mrs. Lillie G Causey.
[illegible]	Warren	469	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.28	[illegible]	0.12	0	4	[illegible]	[illegible]	[illegible]	[illegible]	T. Rice
[illegible]	Edmonson	410	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.50	−2.31	1.15	0	6	[illegible]	[illegible]	[illegible]	[illegible]	Virgil M. Whalin.
[illegible]	Edmonson	410	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.59	−2.53	0.79	0	7	[illegible]	[illegible]	[illegible]	[illegible]	T. A. Lewis
[illegible]	Pulaski	778	42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.96	−2.97	0.56	0	1	[illegible]	[illegible]	[illegible]	[illegible]	Shelby Angel.
[illegible]	Carroll	422	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.09	[illegible]	0.66	0	4	[illegible]	[illegible]	[illegible]	[illegible]	Reuben Hartley.
[illegible]	Campbell	489	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	6	19	9	2	w.	Wm C. Wyatt.
[illegible]	Boyle	516	9	77.0	[illegible]	98	8†	51	2	33	0.03	[illegible]	0.29	0	4	16	12	2	s.	C. W. Williams.
Dix [illegible], Burgin	Mercer	770	5	77.2	[illegible]	101	8†	43	16	37	3.31	[illegible]	2.25	0	4	20	7	3	s.	Mrs. Katie Payne.
[illegible]	Pulaski	1177	39	78.4	+ 2.0	96	8†	53	1	37	0.92	−2.16	0.35	0	4	27	1	2	w.	Sidney Wood.
[illegible]	Franklin	520	41	77.0	+ 3.4	101	2*†	41	14	41	1.47	−2.16	0.65	0	4	21	5	5	sw.	M. E. Johnson.
[illegible]sport	Trimble	504	28	79.2	+ 4.0	105	21	45	15	39	2.95	−0.66	1.22	0	6	21	5	4	sw.	Louis Shidden.
[illegible]	Henry	449	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.68	−3.57	0.33	0	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	75.3	[illegible]	95	21†	48	15	32	0.23	[illegible]	0.18	0	2	18	6	6	sw.	F. Everett Frei.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.83	[illegible]	0.77	0	2	[illegible]	[illegible]	[illegible]	[illegible]	H. W. Sprague.
[illegible] Bend	Boone	740	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.16	−2.47	1.56	0	4	8	1	21	sw.	Mrs. Bettie K. H. Alcorn.
[illegible]	Green	881	46	76.8	+ 3.5	102	30	41	14†	42	2.16	−2.47	1.56	0	4	8	1	21	sw.	Miss Ruby L. Simpson.
[illegible] Bridge, Locks 7	Hessmine	530	51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.97	+2.05	2.94	0	5	[illegible]	[illegible]	[illegible]	[illegible]	W. J. Pigrott.
[illegible]	Breckinridge	546	35	77.2	+ 3.8	98	30	44	15	32	T.	−3.85	T.	0	0	25	4	1	sw.	Walter Killion.
[illegible]	Garrard	1032	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.05	[illegible]	2.53	0	7	[illegible]	[illegible]	[illegible]	[illegible]	H. H. Willis.
[illegible]	Grayson	695	37	77.5	+ 4.1	98	21†	44	15	33	1.66	−2.68	0.68	0	4	20	10	0	sw.	U. S. Weather Bureau
[illegible]	[illegible]	804	49	75.5	+ 4.5	95	7	47	15	27	4.56	+0.51	1.29	0	7	25	5	0	sw.	Horace Canter.
[illegible]	Jessamine	823	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.90	−1.58	2.75	0	2	[illegible]	[illegible]	[illegible]	[illegible]	Frank Litch.
[illegible], Lock 2	Henry	870	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.59	−1.17	2.74	0	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Jefferson	525	50	79.0	+ 4.2	98	30	48	14	26	0.67	−3.15	0.23	0	3	15	15	2	s.	U. S. Weather Bureau
[illegible]	Hart	666	19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.77	[illegible]	0.45	0	3	[illegible]	[illegible]	[illegible]	[illegible]	A. G. Hubbard.
[illegible]	Hardin	777	37	76.2	+ 3.5	99	21	41	15	36	2.33	−1.69	1.30	0	4	25	4	1	[illegible]	Sisters of Loretto.
[illegible]	Mercer	900	19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.92	−3.65	0.85	0	6	[illegible]	[illegible]	[illegible]	[illegible]	Ernest M. Searcy.
[illegible]	Shelby	725	41	76.2	+ 3.9	99	30	44	14†	34	0.65	−3.48	0.72	0	2	22	8	0	s.	Miss Ruth Retta.
[illegible]sville	Spencer	489	31	[illegible]	[illegible]	98*	30	40	15	[illegible]	1.16	−3.16	0.56	0	3	22	7	1	w.	E. D. Fourne.
[illegible]ville	Jefferson	525	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.15	−3.58	0.57	0	3	[illegible]	[illegible]	[illegible]	[illegible]	F. K. Vaughn.
[illegible], Lock 5	Anderson	526	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.79	−1.23	1.05	0	2	26	2	2	w.	Miss Nettie B. Simpson.
[illegible]	[illegible]	545	30	77.6	+ 6.4	103	25	43	11	46	0.98	−2.70	0.95	0	2	[illegible]	[illegible]	[illegible]	[illegible]	H. J. Lewis.
[illegible]	Fulton	335	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.47	[illegible]	0.65	0	7	21	6	3	nw.	W. A. Worthington.
[illegible]ville	Jackson	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.21	−2.23	0.55	0	4	20	2	8	sw.	Jacob Armbruster.
[illegible]land	Boyd	534	14	76.0	− 2.1	99	21†	41	15	38	0.92	−2.52	0.66	0	4	14	12	4	sw.	Robert S. Smallwood.
[illegible]ville	Lee	750	29	75.4	+ 2.7	102	9	43	16	36	0.76	−2.67	0.46	0	5	18	10	2	s.	Chas. C. Graham.
[illegible]ville	[illegible]	1050	28	75.9	+ 3.0	97	21	32	14†	32	5.45	−1.47	1.23	0	5	[illegible]	[illegible]	[illegible]	[illegible]	Kelly Warden
[illegible] Mill, Lock 11	[illegible]	691	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.86	−1.15	1.10	0	4	[illegible]	[illegible]	[illegible]	[illegible]	P. H. McKee.
[illegible]	Harrison	684	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.03	−1.29	0.70	0	6	[illegible]	[illegible]	[illegible]	[illegible]	J. V. Oldham.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.73	−2.27	0.38	0	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Pendleton	699	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.41	−2.06	1.53	0	6	15	15	0	e.	Mrs. R. F. Stamper.
[illegible]	[illegible]	668	25	71.0	+ 3.1	98	8†	40	15	42	2.24	−2.24	1.08	0	6	[illegible]	[illegible]	[illegible]	[illegible]	C. A. Glascock
[illegible]	Fleming	841	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.94	[illegible]	0.81	0	6	[illegible]	[illegible]	[illegible]	[illegible]	John A. Wolfers.
[illegible]	Clark	862	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.00	−0.82	1.84	0	5	[illegible]	[illegible]	[illegible]	[illegible]	Col. Frank Powers.
[illegible]	Carter	689	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.06	[illegible]	0.50	0	2	[illegible]	[illegible]	[illegible]	[illegible]	T. Mitchell.
[illegible]	[illegible]	540	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.39	−2.41	1.39	0	3	[illegible]	[illegible]	[illegible]	[illegible]	W. W. Duffield.
[illegible]	Harlan	1197	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	869	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.09	[illegible]	0.53	0	7	[illegible]	[illegible]	[illegible]	[illegible]	Chas. O. Ibrig.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.39	−2.47	1.02	0	5	[illegible]	[illegible]	[illegible]	[illegible]	S. C. Cole.
[illegible], Lock 14	Lee	604	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.08	[illegible]	1.17	0	4	[illegible]	[illegible]	[illegible]	[illegible]	R. M. Davidson.
[illegible]	[illegible]	1,066	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.88	−3.58	0.28	0	4	[illegible]	[illegible]	[illegible]	[illegible]	Russian Copley.
[illegible]	[illegible]	884	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.46	−3.72	0.86	0	6	[illegible]	[illegible]	[illegible]	[illegible]	Jeannett H. White.
[illegible]	Clay	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.73	−2.24	1.08	0	6	25	2	3	se.	Henry S. Bennett
[illegible]	Rowan	591	26	74.0	+ 0.8	96	28	41	14†	37	0.66	−3.84	0.22	0	3	19	11	0	[illegible]	Hughey Woodson
[illegible]	Bell	1128	37	*74.5	+ 2.2	102*	21	39	14†	46*	0.66	−3.84	0.22	0	3	19	11	0	[illegible]	[illegible]
[illegible] Sterling	Montgomery	850	43	75.4	+ 3.0	99	21†	41	14†	34	1.49	−2.66	1.52	0	6	20	10	0	w.	Otto Riddle.
[illegible]	Campbell	397	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.63	−4.11	0.32	0	2	[illegible]	[illegible]	[illegible]	[illegible]	Eugene Daniel, Jr.
[illegible]	Floyd	667	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.29	[illegible]	0.28	0	2	[illegible]	[illegible]	[illegible]	[illegible]	Robert Lepass.
[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.85	−2.32	0.87	0	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Knox	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.59	[illegible]	1.85	0	7	22	3	6	[illegible]	R. W. Summerfield.
[illegible]	Knott	1035	[illegible]	*74.0	[illegible]	96*	20	40*	14	3*8	2.59	[illegible]	1.85	0	7	22	3	6	[illegible]	R. W. Jones.
[illegible]	[illegible]	[illegible]	7	*73.9	[illegible]	98*	8	41*	15	30	1.20	[illegible]	0.97	0	3	[illegible]	[illegible]	[illegible]	[illegible]	Walter P. Bush.
[illegible]	[illegible]	691	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.36	−0.96	1.70	0	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	42	75.4	+ 1.9	97	22	46	14	27	2.25	−0.89	1.47	0	6	23	3	4	[illegible]	J. W. Crooke.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.29	−2.62	1.60	0	5	[illegible]	[illegible]	[illegible]	[illegible]	Thos. Sullivan.
[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.97	+0.48	1.40	0	5	[illegible]	[illegible]	[illegible]	[illegible]	H. M. Rankin.
[illegible]	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.56	[illegible]	0.56	0	5	[illegible]	[illegible]	[illegible]	[illegible]	G. B. Zimmerman.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.51	−3.91	0.48	0	2	19	9	2	[illegible]	H. E. Davis.
[illegible]	[illegible]	[illegible]	[illegible]	75.5	+ 2.2	101	8†	42	14	40	2.66	−2.86	0.87	0	7	[illegible]	[illegible]	[illegible]	[illegible]	Cleveland Angel.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	76.5	+ 2.7	105	21	39	14†	46	1.57	−2.54	2.75	0	4	21	2	7	sw.	

All temperature data are taken from self-registering thermometers.
Precipitation means for the season and departures from normal for temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. For

Daily precipitation, in inches, June, 1933.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Western Division																														
Calhoun										T		.76										T		T	.12					0.12
Farmington													.16																	
Fords Ferry Dam 50													.58															.02		
Greenville												.15												T	.05		T			
Henderson					.14																				.17					
Hopkinsville																							.05		.11					
Lewisburg											2.21	.44											.14							
Marion											.35																			
Maxfield																														
Murray												.50																		
Owensboro									.40	.81	1											T								0.71
Owensboro, Dam 46																						T		.09	T	.10					0.19
Paducah (near)																						T		T	T	.10				
Paducah			.10								.25													.02						0.37
Princeton												.20										T	T							
Ramsey, Lock No. 2										.02	.25														.24					0.44
Russellville													.71													.10				
Uniontown, Dam 48												.25	.01											.10							0.94
Central Division																						T								
Addison, Dam 45																														
Anchorage												.35										F			.15	.10				
Bardstown								.42																	.07					
Bowling Green								.67				.55																		
Bowling Green, No. 2									.12		.02	.10	.62										.61							
Brownsville, Lock No. 6												.05											.50			T		T		
Cannelton												.05	.23										.09		.01					
Carrollton																								1.18		.12				
Cecil Spring, Dam 38								.17	.63			.25	.79									.11	.62		.12					
Danville					.60																									
Dix Dam, Burgin					.02							.26										.18		T	.55	.40				
Eminence					.01							.20											.02	T	.20	.05	.12				
Frankfort												.50												2.28	.35				.50	
Franklin												.22	.10												.20	.25				
Fest, Lock No. 3													.05												.20					
Glasgow								.51		.03	.84											T	.05	.20						
Grant, Dam 84									.09														.30		1.22	.60				
Greensburg											T	.18		T											.20					
Hugh Ridge, Lock No. 7					T																	T			.02					
Irvington								.01			.03	1.56											.66	T	.77			T		
Lancaster					.06							1.40										T				.20				
Leitchfield											T												1.53	.04	2.01					
Lexington ***																						T	T							
Little Rickman, Lock No. 8				.24				.50		.65	2.25													.58	.35				.40	
Lockport, Lock No. 2												.03											.68	.91			.03			
LOUISVILLE***				T				1.22			1.02												.43	.82	.62	.07			.28	
Munfordville					T						T		.15													2.75				
St. John											T															.05	.20		2.78	
Salvisa, Lock No 6								.07			T						T					T		T	.17	T				
Shelbyville								.28				.14	.45															.43		
Taylorsville					T																		.62	.56		.10				
Tarpon, Lock No. 5																					10			.16		.05			.55	
Tompkinsville								.03			.12														.72		.20			
Tyrone, Lock No. 4												.05										T	T		T	T	T			
Williamstown																						T	.50			.55				
Woodbury, Lock No. 4				1.05																						.25				
Eastern Division																														
Annville																								.15						
Ashland					.11			.02				.18													.01	.55	.20		.02	
Beattyville						.05						.25														.55	.05			
Berea				.02							.16															.55				
College Hill, Lock No. 11											.60	.02													.02					
Cynthiana												1.10													1.20					
Falmouth												.05													T	.05	.05			
Farmers												.05														.15				
Flemingsburg												.17						T								.25	.04		.02	.70
Ford, Lock No. 10				.24				.50			1.08												.01			.05				
Georgetown					.47				.60			.04														.05				
Greenup, Dam 30					1.32				.02			.25														.05				
Harlan												.05										T	.38	T		F		.58	T	
Hazard												.05																		
Hedleberg, Lock No. 14																										.20				
Jenkins					.05				.14			.15	.54													.10				
Jessamine								.05				.25	.44													.05	.05	.05			
Junction										1.17			.50													1.50	.02	.01			
Manchester						.15							.50									.26				.45					
Maysville									.07		.02	.70														.10				
Middlesboro					.20			.11																		.31	.02	.20			
Mount Sterling								.23				.25														.18	.02		.06	.04
Oneonta Dam 35				1.72		T		.14				.35														.15				
Orlando				.52													T	T				T		T		1.50	.17	.04		
Owenville													.54													.30	T			
Oxford									.62				.06															.01		
Ripapass				.62				.12	.05		1.84	.16										.12		T						
Rockcastle				.05								.54												.25	.15					
Savanna, Lock No. 12				.51								.32	.20												.97					
Somerset				1.57					.03		T	.15													1.76	.20			.54	
Valley View, Lock No. 9					.10																		.23		1.02				.45	
Vanceburg, Dam No. 32					1.60				.28			.25											.03	.54					1.00	
Waitsburg													.62												1.02	.55				
Williamsburg									.09	.02	.16	.04																		
Wilson, Lock No. 13				.10								.48																		

Except as otherwise indicated, observations are generally made at 7:00 a.m. for the preceding 24 hours ending at the time of observation.

(A) Agricultural Ack-Ack; (B) Regular Weather Bureau station; (C) Cooperative station; (D) Dam; (E) Lock; (F) Power station.

[1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [2] Precipitation included in the next succeeding regular report.

[3] Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

* Stone Oak

Daily Temperatures for June, 1933.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	75	85	90	90	91	95	93	99	96	91	90	95	74	71	77	86	92	95	98	99	101	93	96	95	91	101	98	100	100	101	..	92.2
	Minimum	56	51	55	57	65	70	71	73	71	70	67	68	56	42	42	47	55	57	55	60	61	64	65	68	61	73	65	70	71	72	..	62.2
	Mean	66	68	73	74	78	83	82	86	84	81	79	82	65	57	60	67	74	76	77	80	81	79	81	82	76	87	82	85	86	87	..	91.8
Calhoun	Maximum	78	85	89	88	91	95	98	95	98	91	91	90	73	73	80	87	91	95	98	99	101	97	99	98	99	101	98	100	100	101	..	61.8
	Minimum	56	55	60	61	67	71	73	73	73	70	68	68	56	48	47	51	60	61	63	64	65	70	70	68	70	71	70	72	73	74	..	61.8
	Mean	67	70	75	75	79	83	86	84	86	81	80	79	65	61	64	69	76	78	81	82	83	84	85	83	85	86	84	86	87	88	..	92.3
Earlington	Maximum	79	86	88	90	93	96	99	95	96	91	92	89	75	73	79	87	93	98	98	99	99	98	98	96	95	100	96	98	96	101	..	64.1
	Minimum	57	51	56	61	67	72	74	75	69	72	65	69	57	43	43	49	53	58	60	62	63	68	68	66	71	70	72	69	72	74	..	64.1
	Mean	68	68	72	76	80	84	87	85	83	82	79	79	66	58	61	68	73	78	79	81	81	83	83	81	83	85	84	83	84	88	..	90.2
Greenville	Maximum	78	83	85	85	86	97	96	93	94	93	91	90	77	71	77	88	88	92	93	96	99	96	95	94	97	99	98	98	98	100	..	60.9
	Minimum	56	50	54	57	60	69	70	71	68	68	64	61	54	44	41	47	52	56	55	61	63	65	64	67	61	70	64	69	69	71	..	63.5
	Mean	67	67	70	71	73	83	83	82	81	80	78	76	66	58	59	68	70	74	74	79	81	81	80	81	79	85	81	84	84	86	..	62.2
Henderson	Maximum	77	87	93	89	91	96	100	95	99	95	94	93	91	76	80	86	93	97	99	101	102	96	97	99	100	100	100	100	100	101	..	65.5
	Minimum	57	55	58	62	66	71	73	73	70	71	70	68	60	47	47	52	63	64	63	67	67	72	71	68	70	71	68	73	72	75	..	63.8
	Mean	67	71	76	76	79	84	87	84	85	83	82	81	76	62	64	69	78	81	81	84	85	84	84	84	85	86	84	87	86	88	..	64.7
Hopkinsville	Maximum	78	84	88	90	94	97	101	97	98	94	92	91	78	75	82	88	93	97	99	101	102	98	98	100	98	98	97	99	100	100	..	63.3
	Minimum	56	52	56	61	64	70	68	68	69	70	66	65	59	46	41	46	48	58	58	57	58	62	66	65	68	69	71	65	70	70	73	61.3
	Mean	67	68	72	76	79	84	85	83	84	82	79	78	69	61	62	67	71	78	79	80	80	80	82	83	83	84	84	82	85	85	87	..
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mayfield	Maximum	78	82	..	87	90	93	97	97	95	92	..	89	80	72	79	84	89	93	95	97	99	98	97	96	96	97	96	98	99	101	..	92.6
	Minimum	58	56	..	60	66	72	71	73	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mean	70	69	..	74	78	83	84	85	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Murray	Maximum	79	85	88	90	92	95	99	95	97	95	90	87	77	72	77	84	90	95	98	99	101	97	98	98	98	99	97	99	98	101	..	61.2
	Minimum	54	51	55	57	62	70	70	69	68	68	65	64	56	46	40	45	49	54	57	59	61	64	64	70	66	69	66	68	70	74	..	59.2
	Mean	67	68	72	74	77	83	85	82	83	82	78	76	67	59	59	65	70	75	78	79	81	81	81	84	82	84	82	84	84	88	..	60.2
Owensboro	Maximum	77	83	85	87	92	96	94	95	94	92	90	87	77	72	77	84	90	95	96	98	102	96	96	96	96	98	96	98	98	99	..	63.1
	Minimum	57	57	54	59	69	68	69	72	70	71	68	65	56	48	43	49	58	58	62	62	61	66	70	66	66	70	65	70	71	71	..	63.1
	Mean	67	70	70	73	81	82	82	84	82	82	79	76	67	60	60	67	74	77	79	80	82	81	83	81	81	84	81	84	85	85	..	87.1
Paducah (near)	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Princeton	Maximum	82	87	..	91	94	95	96	102	99	96	96	93	89	75	74	83	89	95	99	100	101	102	98	99	100	98	100	101	99	100	101	94.4
	Minimum	68	68	57	59	64	69	71	72	69	68	66	64	58	48	44	49	54	57	61	62	64	69	68	73	69	73	69	72	72	74	..	63.7
	Mean	78	81	85	88	90	94	97	95	94	..	92	87	69	70	70	83	89	93	95	97	97	96	94	96	93	97	92	96	96	97	..	80.6
Russellville§§	Maximum	78	81	84	84	86	92	93	93	90	88	90	88	74	68	73	80	86	94	94	94	96	86	94	92	91	92	91	94	94	97	..	87.7
	Minimum	48	51	56	56	67	72	72	73	66	68	65	65	45	40	41	42	58	58	60	61	63	66	68	65	64	65	68	68	69	70	71	61.0
	Mean	63	66	70	70	76	82	82	83	78	78	77	76	60	54	57	61	72	76	77	78	80	76	81	78	78	78	80	81	82	83	84	83.2
Central Division.																																	
Auerbach	Maximum	73	81	84	84	86	92	93	93	90	88	90	88	74	68	73	80	86	94	94	94	96	86	94	92	91	92	91	94	94	97	..	61.8
	Minimum	48	51	56	56	67	72	72	73	66	68	65	65	45	40	41	42	58	58	60	61	63	66	68	65	64	65	68	68	69	70	71	61.0
	Mean	61	66	70	70	77	82	83	83	78	78	78	77	60	54	57	61	72	76	77	78	80	76	81	78	78	78	80	81	82	83	84	83.2
Bardstown	Maximum	78	86	90	91	94	97	100	97	94	96	92	90	80	80	84	90	94	98	100	101	102	96	98	98	98	99	98	98	99	101	..	61.8
	Minimum	48	50	57	57	60	72	72	73	67	66	65	63	51	43	43	46	49	53	57	59	61	62	64	63	67	67	70	68	67	71	..	60.6
	Mean	63	68	74	74	77	85	86	85	80	81	78	76	66	62	64	68	72	76	78	80	82	79	81	80	82	83	84	83	83	86	..	61.2
Bowling Green	Maximum	79	85	86	94	94	96	102	100	94	94	93	91	76	73	79	87	93	98	100	101	102	96	98	98	98	99	97	99	98	101	..	63.7
	Minimum	55	55	60	60	65	71	73	75	69	72	65	69	57	43	43	49	53	58	60	62	64	68	67	67	70	70	68	67	71	72	..	63.6
	Mean	67	70	73	77	80	84	88	88	82	83	79	80	67	58	61	68	73	78	80	82	83	82	83	83	84	85	83	83	85	87	..	63.7
Danville	Maximum	72	84	89	88	90	95	98	101	101	94	95	88	70	70	78	84	91	93	96	98	100	98	97	95	95	98	96	98	99	101	..	65.5
	Minimum	49	59	58	56	58	67	72	71	72	68	65	68	57	44	42	50	63	63	64	64	63	67	64	69	67	68	65	67	68	70	74	61.6
	Mean	61	72	74	72	74	81	85	86	87	81	80	78	64	57	60	67	77	78	80	81	82	83	81	82	81	83	81	83	84	86	..	63.6
Dix Dam	Maximum	73	81	84	84	86	92	93	93	90	88	90	88	74	68	73	80	86	94	94	94	96	86	94	92	91	92	91	94	94	97	..	87.7
	Minimum	48	51	56	56	67	72	72	73	66	68	65	65	45	40	41	42	58	58	60	61	63	66	68	65	64	65	68	68	69	70	71	61.0
	Mean	61	66	70	70	77	82	83	83	78	78	78	77	60	54	57	61	72	76	77	78	80	76	81	78	78	78	80	81	82	83	84	83.2
Eubank	Maximum	78	86	86	94	93	96	100	97	94	96	92	90	80	80	84	90	94	98	100	101	102	96	98	98	98	99	98	98	99	101	..	61.8
	Minimum	48	50	57	57	60	72	72	73	67	66	65	63	51	43	43	46	49	53	57	59	61	62	64	63	67	67	70	68	67	71	..	60.6
	Mean	63	68	72	76	77	84	86	85	80	81	78	76	66	62	64	68	72	76	78	80	82	79	81	80	82	83	84	83	83	86	..	61.2
Glasgow	Maximum	79	85	88	90	94	97	101	97	98	94	92	91	78	73	79	87	93	98	100	101	102	96	98	98	98	99	97	99	98	101	..	63.7
	Minimum	54	51	57	59	64	70	72	71	70	68	66	68	57	43	43	49	53	58	60	62	64	68	67	67	70	70	68	67	71	72	..	63.6
	Mean	67	68	73	75	79	84	87	84	84	81	79	80	68	58	61	68	73	78	80	82	83	82	83	83	84	85	83	83	85	87	..	63.7
Greensburg	Maximum	75	84	90	92	92	97	101	101	97	93	94	89	86	72	78	86	94	98	98	99	102	96	98	98	98	99	97	99	98	101	..	63.7
	Minimum	60	48	53	53	54	70	69	70	66	65	64	66	56	41	40	46	50	57	59	62	62	62	64	67	65	64	67	65	69	70	72	61.3
	Mean	68	66	72	73	73	84	85	86	82	79	79	78	71	57	59	66	72	78	79	81	82	79	81	83	82	82	82	82	84	86	..	63.5
Irvington	Maximum	76	82	84	86	87	92	95	98	92	91	90	87	76	72	76	83	90	93	94	96	96	94	94	93	92	94	94	97	97	98	..	64.1
	Minimum	54	54	59	60	65	72	74	75	70	70	69	72	57	46	41	51	62	65	61	65	68	68	67	68	65	72	67	71	74	75	..	63.5
	Mean	65	68	72	73	76	82	85	87	81	81	80	80	67	59	59	67	76	79	78	81	82	81	81	81	79	83	81	84	86	87	..	63.8
Leitchfield	Maximum	77	82	85	88	89	92	96	95	96	92	90	89	72	70	77	83	91	94	96	97	98	91	98	92	90	94	93	97	97	98	..	64.7
	Minimum	58	62	60	59	65	74	74	75	70	68	68	70	55	45	44	51	63	65	66	70	70	68	68	68	68	70	67	69	71	72	..	63.6
	Mean	68	72	73	74	77	83	85	85	83	80	79	80	64	58	61	67	77	80	81	84	84	80	83	80	79	82	80	83	84	85	..	64.2
Lexington	Maximum	70	80	83	84	86	91	95	95	97	89	92	87	68	64	72	77	86	91	93	95	97	93	95	95	94	96	95	97	97	98	..	63.4
	Minimum	49	59	66	66	67	70	76	80	68	67	70	68	52	42	42	47	50	57	60	62	62	64	67	65	65	69	65	69	69	70	..	63.6
	Mean	60	70	75	75	77	81	86	88	83	78	81	78	60	53	57	62	68	74	77	79	80	79	81	80	80	83	80	83	83	84	..	63.5
Louisville	Maximum	74	84	88	88	90	94	96	96	94	89	90	88	75	69	77	85	93	96	98	97	98	95	95	93	93	96	94	96	96	98	..	63.8
	Minimum	57	58	66	63	70	77	77	78	70	72	74	64	55	48	52	56	71	71	77	73	72	72	70	71	72	72	71	74	77	77	..	63.5
	Mean	66	71	77	76	80	86	87	87	82	81	82	76	65	59	65	71	82	84	88	85	85	84	83	82	83	84	83	85	87	88	..	63.7
St. John	Maximum	71	82	84	88	90	94	95	96	94	89	90	88	75	69	77	85	93	96	98	97	98	95	95	93	93	96	94	96	96	98	..	63.8
	Minimum	50	50	57	56	62	70	70	71	65	66	66	70	53	42	41	45	52	56	57	56	57	59	58	58	58	59	57	59	60	61	..	63.5
	Mean	61	66	71	72	76	82	83	84	80	78	78	79	64	56	59	65	73	76	78	77	78	77	77	76	76	78	76	78	78	80	..	63.7
Shelbyville	Maximum	71	81	85	87	87	94	95	96	91	87	90	87	78	69	76	84	88	96	97	96	97	90	94	92	91	95	93	97	96	98	..	63.8
	Minimum	48	52	59	59	62	70	73	74	69	67	69	71	51	43	44	50	62	62	63	64	67	65	66	66	66	70	67	71	71	73	..	63.5
	Mean	60	67	72	73	75	82	84	85	80	77	80	79	65	56	60	67	75	79	80	80	82	78	80	79	79	83	80	84	84	86	..	63.7
Taylorsville	Maximum	49	51	56	55	60	70	75	71	71	66	62	71	56	42	46	47	56	55	59	59	66	62	63	67	66	72	67	69	72	74	..	61.5
	Minimum	76	87	90	91	94	96	99	99	98	93	94	93	75	73	81	86	90	93	101	101	101	99	100	96	100	98	101	101	100	102	..	94.0
	Mean	63	69	73	73	77	83	87	85	84	80	78	82	66	58	64	67	73	74	80	80	84	81	82	83	83	85	84	85	86	88	..	63.8
Williamstown	Maximum	76	87	90	91	94	96	99	99	98	93	94	93	75	73	81	86	90	93	101	101	101	99	100	96	100	98	101	101	100	102	..	61.3
	Minimum	47	52	58	58	63	65	72	73	72	64	66	68	51	43	44	52	55	56	57	51	56	64	65	65	63	67	66	69	69	73	..	63.3
	Mean	62	70	74	75	79	81	86	86	85	79	80	81	63	58	63	69	73	75	79	76	79	82	83	81	82	83	84	85	85	88	..	63.3
Eastern Division.																																	
Ashland	Maximum	77	87	89	89	90	94	97	98	94	95	94	95	67	66	74	79	80	87	96	97	99	97	96	96	96	99	97	99	97	99	..	89.6
	Minimum	50	52	56	62	62	62	65	73	75	67	66	63	57	43	41	50	62	62	61	61	63	67	70	64	64	67	66	69	71	73	..	62.4
	Mean	64	70	73	76	76	78	81	86	85	81	80	79	62	55	58	65	71	75	79	79	81	82	83	80	80	83	82	84	84	86	..	89.8
Beattyville	Maximum	73	71	79	86	89	90	100	101	102	93	93	90	80	66	69	73	77	84	89	91	96	97	98	101	101	101	98	97	98	101	..	61.1
	Minimum	48	46	54	57	58	66	68	70	74	65	63	70	56	44	45	47	54	59	61	63	64	67	67	65	65	70	68	70	70	71	..	63.4
	Mean	61	59	67	72	74	78	84	86	88	79	78	80	68	55	57	60	66	72	75	77	80	82	83	83	83	86	83	84	84	86	..	89.4
Berea	Maximum	73	83	87	89	89	92	96	98	95	89	94	93	68	69	75	78	84	90	94	98	98	95	94	93	93	95	93	95	96	98	..	63.4
	Minimum	46	50	54	57	58	66	68	70	66	66	65	67	53	42	40	46	50	56	58	60	62	64	64	63	64	65	64	65	66	69	..	89.4
	Mean	60	67	71	73	74	79	82	84	81	78	80	80	61	56	58	62	67	73	76	79	80	80	79	78	79	80	79	80	81	84	..	58.5
Farmers	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Harlan§§	Maximum	73	76	84	84	88	86	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	54	46	58	59	55	60	65	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mean	64	62	71	72	72	73	79	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	Maximum	74	82	87	86	86	88	91	94	90	86	91	90	73	67	73	77	87	89	94	94	95	92	94	94	94	95	92	94	94	96	..	60.5
	Minimum	44	50	51	59	58	66	69	71	67	65	66	65	51	41	41	50	63	58	61	60	58	64	64	64	64	66	66	64	64	66	..	59.4
	Mean	59	66	69	73	72	77	80	83	79	76	79	78	62	54	57	64	75	74	78	77	77	78	79	79	79	81	79	79	79	81	..	59.9
Middlesboro	Maximum	78	82	91	93	93	97	99	101	96	90	91	88	78	75	80	85	91	94	96	98	99	97	96	95	95	97	96	97	97	99	..	61.2
	Minimum	51	44	50	55	54	65	65	64	65	65	63	68	58	38	39	40	51	52	53	55	57	59	59	57	57	59	57	59	60	61	..	59.4
	Mean	65	63	71	74	74	81	82	83	81	78	77	78	68	57	60	63	71	73	75	77	78	78	78	76	76	78	77	78	79	80	..	60.3
Mount Sterling	Maximum	72	83	90	90	92	91	95	99	94	89	89	89	69	49	49	61	71	85	89	93	95	92	93	91	91	93	91	93	94	97	..	60.6
	Minimum	45	48	57	58	60	63	69	74	69	63	64	65	49	41	41	49	51	56	60	62	65	66	66	65	64	66	64	66	64	66	..	59.4
	Mean	59	66	74	74	76	77	82	87	82	76	77	77	59	45	45	55	61	71	75	78	80	79	80	78	78	80	78	80	79	82	..	59.9
Pippapass	Maximum	78	85	88	..	90	92	98	99	95	92	93	93	76	69	74	82	88	90	93	95	97	95	95	93	93	95	93	95	96	97	..	62.2
	Minimum	48	45	52	..	55	63	65	67	63	62	67	67	56	40	42	44	50	54	58	62	67	65	67	65	63	64	64	65	65	67	..	59.2
	Mean	63	65	70	..	73	78	82	83	79	77	80	80	66	55	58	63	69	72	76	79	82	80	81	79	78	80	79	80	81	82	..	60.7
Quicksand	Maximum	73	83	88	87	89	91	96	98	92	..	93	93	71	70	74	83	88	93	96	98	99	97	96	95	95	97	95	97	98	99	..	61.2
	Minimum	47	47	53	55	55	63	65	68	64	..	63	65	52	42	43	48	50	54

1.05
KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

THE LIBRARY OF THE
AUG 21 1933

CLIMATOLOGICAL DATA.

Vol. XXXVIII LOUISVILLE, KY., JULY, 1933 No. 7

GENERAL SUMMARY.

Early in the month moderate to heavy rains relieved the incipient drought in the western and some central counties. Upland corn had been curling before this rain, and some early corn was tasseling without shoots. Late tobacco was irregular and mostly small, with growth nearly stationary. Up to this time moisture had been more plentiful in the eastern counties, yet not altogether sufficient. During the next two weeks light and generally deficient rainfall, with high temperatures at the end of the period, brought about the return of critical crop conditions in most sections. Much more corn had reached the tasseling stage, with soil moisture inadequate. Early tobacco was being topped and showed a tendency to "fire". As the small late plants were further retarded, variability in size tended to increase. Grass pastures deteriorated, especially on hills and uplands, and the growth of all forage crops was checked. Most of the July rainfall had not been heavy enough to reach deeply rooted plants. Gardens and cannery tomatoes suffered severely. Even under these unfavorable conditions late potatoes were planted more generally than usual, because of the failure of the early crop.

This unfavorable outlook was changed radically and growth restored to normal by heavy to excessive rains that occurred over three-fourths of the State in the last week. This rainfall, which ranged from 5.0 to 7.0 inches in the central and western counties, was sufficient to revive pastures in those districts. Because of extensive root systems that had formed during the dry weather, exceptionally rapid improvement in staple crops followed these rains. Late tobacco that had appeared hopeless grew so rapidly as to promise a fair crop if the rate of growth could be maintained. In a few extreme northern counties the rainfall was light and crops continued to suffer throughout the month.

TEMPERATURE.

Short periods of high temperature were balanced by like intervals of cool weather so that the mean temperature for the month was the seasonal average. The highest temperature occurred at most stations near the first or early in the fourth week, and ranged from 100° to 104° at most stations. The extremes were 105° at Williamstown on the 22d and 17° at Middlesboro and Pippapass on the 5th.

PRECIPITATION.

The average precipitation was about one and one half times the normal amount, but in many south-central and western districts it was twice the normal. In a broad belt extending from the Purchase to the western edge of the mountains, and including nearly all of the central and southern counties, amounts ranged between 6.0 and 12.0 inches. In a narrow section through the middle of this wet district from 8.0 to 10.0 inches fell generally. In counties near the Ohio and from the central Bluegrass region northward, amounts fell off rapidly to from 2 to 4 inches along the upper course of the river. The areas of deficient rainfall included those counties bordering the river from Carlisle to Pleasure and extended up the Licking Valley to the Cincinnati-Covington district. Moderate to heavy rains occurred in central and eastern districts in the period 1st-3d. Other were more general in the periods 14th, 15th-16th and 24th-31st. Most of the excessive rainfall occurred from the 24th to 28th, inclusive, and during that period ranged from 3.0 to 7.0 inches in the central and western counties. For the State as a whole the average was 4.11 inches, and the extremes were 12.50 inches at Sharpsburg in the Bluegrass section and 0.96 at Hickman in the Purchase. Rainfall was deficient in the eastern counties, where the average was 2.4 to 3.0 inches, and the extremes were 6.50 at Pippapass and 1.05 at Middlesboro.

MISCELLANEOUS.

July 14. At Louisville [illegible] 34 persons.

[illegible] on account of the [illegible] only a slight rise during the last week.

Errata. [illegible] 6, [illegible] 6, [illegible] 6.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level)						Wind.				Relative humidity (per cent)			
	Mean.	Highest.	Date.	Lowest.	Date.	Av. hourly velocity.	Resultant velocity.	Direction.	Date.	7 a. m.	12 noon	7 p. m.	Percentage of sunshine.
Cairo	[illegible]	29.97	30.29	5	29.79	14	6.9	24	sw.	82	71	69	76	57
Cincinnati	O.	30.02	30.32	4	29.70	1	5.8	21	no.	72	51	46	57	58
Evansville	Ind.	29.99	30.25	4	29.76	2	5.8	22	s.	73	72	52	59	58
Lonesville	Ky.	30.02	30.31	4	29.79	2	8.6	32	n.	14	76	51	52	70

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1899	75.1	− 1.9	98	50	5.62	[illegible]	8.11	2.63	..	..	..	..
1900	73.0	− 4.0	101	44	2.66	−1.44	6.50	0.7[illegible]	..	..	..	..
1901	74.0	− 3.0	91	47	4.08	[illegible]	5.8[illegible]	1.[illegible]	..	..	..	..
1902	76.5	− 0.5	100	48	3.30	−3.81	4.[illegible]	0.8[illegible]	..	..	..	..
1903	78.8	+ 1.8	101	50	3.4[illegible]	[illegible]	8.2[illegible]	0.[illegible]	..	..	..	..
1904	76.2	− 0.8	105	48	2.03	−2.08	5.38	0.[illegible]	..	..	..	..
1905	75.2	− 1.8	99	49	5.75	+1.64	9.90	2.73	9	7	15	[illegible]
1906	77.4	+ 0.4	105	45	7.11	+3.33	13.01	2.70	9	11	11	9
1907	77.8	+ 0.8	107	53	4.74	+0.68	9.05	0.82	6	10	14	7
1908	77.8	+ 0.8	102	48	4.71	+0.60	12.1[illegible]	0.41	9	21	5	5
1909	77.3	+ 0.3	100	47	3.78	−0.33	7.41	0.57	6	5	18	8
1910	77.9	+ 0.9	101	50	4.86	+0.80	12.85	2.21	9	11	11	9
1911	81.7	+ 4.7	112	48	1.75	−2.32	4.52	0.18	6	6	21	3
1912	78.1	+ 1.1	107	48	1.91	−2.20	4.27	0.20	6	6	19	6
1913	77.5	+ 0.5	104	49	3.53	−0.58	7.31	0.58	6	8	15	8
1914	75.2	− 1.8	99	46	8.40	+6.71	6.86	1.68	6	10	10	9
1915	75.9	− 1.1	102	52	5.93	+1.82	10.48	2.01	9	18	8	5
1916	75.2	− 1.8	100	51	6.02	+1.91	11.52	1.[illegible]	9	11	14	6
1917	78.1	+ 1.1	102	49	4.71	+0.60	9.8[illegible]	1.1[illegible]	6	9	15	7
1918	76.9	− 0.1	100	56	3.94	−0.17	9.52	0.[illegible]	6	13	13	5
1919	75.5	− 2.2	99	48	6.65	+1.80	9.[illegible]	2.7[illegible]	9	11	11	9
1920	76.2	− 0.8	96	51	8.63	+4.52	12.[illegible]	3.[illegible]	9	10	11	10
1921	75.8	− 1.2	105	42	2.[illegible]	−1.[illegible]	5.[illegible]	0.[illegible]	6	10	7	14
1922	76.8	− 0.2	103	53	5.50	+1.39	8.84	1.84	6	15	11	5
1923	79.9	+ 2.9	109	48	2.54	−1.57	6.67	0.7[illegible]	6	12	12	7
1924	75.8	− 1.2	109	43	3.20	−0.91	7.90	T	6	15	10	6
1925	76.7	− 1.3	102	49	5.30	+1.19	10.[illegible]	1.[illegible]	9	11	14	6
1926	78.7	+ 1.2	102	52	4.15	+0.04	10.[illegible]	0.[illegible]	9	9	17	5
1927	75.3	− 1.7	100	50	4.33	+0.22	8.16	1.[illegible]	6	11	13	7
1928	78.3	− 5.2	103	46	2.28	−1.8[illegible]	5.25	0.[illegible]	6	13	10	8
1929	79.5	+ 2.5	104	53	2.40	−1.[illegible]	4.37	0.17	6	8	13	8
1930	75.2	− 1.8	99	45	3.83	−0.28	7.90	1.[illegible]	9	9	15	7
1931	81.1	+ 4.1	108	52	2.65	−1.46	6.81	0.[illegible]	6	9	17	5
1932	78.4	+ 0.6	102	47	4.70	+0.59	9.06	1.[illegible]	9	8	17	6
1933	77.6	− 0.2	99	44	3.59	−0.58	7.74	0.[illegible]	9	8	17	6
1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1[illegible]	[illegible]	+ 0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1[illegible]	[illegible]	− 1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1927	75.3	− 1.7	100	50	4.33	+0.22	8.16	1.[illegible]	6	11	13	7
1928	78.3	− 5.2	103	46	2.28	−1.8[illegible]	5.25	0.[illegible]	6	13	10	8
1929	79.5	+ 2.5	104	53	2.40	−1.[illegible]	4.37	0.17	6	8	13	8
1930	75.2	− 1.8	99	45	3.83	−0.28	7.90	1.[illegible]	9	9	15	7
1931	81.1	+ 4.1	108	52	2.65	−1.46	6.81	0.[illegible]	6	9	17	5
1932	78.4	+ 0.6	102	47	4.70	+0.59	9.06	1.[illegible]	9	8	17	6
1933	77.6	− 0.2	99	44	3.59	−0.58	7.74	0.[illegible]	9	8	17	6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	+ 0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[

Climatological Data for July, 1933.

Stations	Counties	Elevation, feet	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches			Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Beaver Dam	Ohio	441	29	78.5	+ 0.7	103	22	52	12	42	6.20	+2.22	2.80	0	10	20	4	7	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	29	*78.6	+ 0.6	102‡	2	57*	18	32*	6.80	+ 2.58	2.83	0	6	7	18	6	ne.	W. A. Taylor.
Carlington	Hopkins	420	43	79.1	+ 0.6	103	2	55	17†	36	10.16	+6.40	5.10	0	11	15	9	7	sw	Erick Southworth.
Fords Ferry, Dam 50	Crittenden	350	4	.....	.....	.....	.....	.....	.....	.....	7.30	.....	1.52	0	7	.....	.....	.....	.....	W. D. Hatcher.
Greenville	Muhlenburg	513	16	77.6	− 0.5	103	2	54	18	39	9.40	+6.26	3.50	0	10	19	12	0	s.	C. R. Lovell.
Henderson	Henderson	382	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Richard Stites
Hopkinsville	Christian	523	37	79.1	+ 0.2	101	2†	55	18	36	7.57	+3.94	4.13	0	8	8	3	20	se.	W. E. Graves.
Lovelaceville	Ballard	.....	4	78.5	.....	102	2	55	18	39	7.20	.....	2.10	0	12	23	4	4	s.	Blaine Malone.
Mayfield	Graves	364	24	*81.9	+ 4.0	100‡	1†	62*	13	21†	12.56	+ 8.61	2.84	0	7	22	4	5	ne.	Mrs. C. R. Sowell.
Murray	Calloway	412	7	78.2	.....	100	1†	53	18	42	9.66	.....	2.62	0	5	9	10	12	s.	Harry B. Arnold
Owensboro	Daviess	479	36	78.2	+ 0.5	100	2	58	18	32	5.17	+1.80	2.20	0	8	22	3	6	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	401	5	.....	.....	.....	.....	.....	.....	.....	4.73	.....	2.10	0	8	.....	.....	.....	s.	George McClemary.
Paducah (near)	McCracken	316	16	.....	.....	.....	.....	.....	.....	.....	6.23	+3.33	1.65	0	7	.....	.....	.....	.....	J. W. Lilley
Paducah	McCracken	341	44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Frank L. Brown.
Princeton	Caldwell	529	26	80.0	+ 2.1	104	2	57	18	38	9.61	+5.77	3.10	0	8	15	12	4	s.	Dr. W. L. Cash.
Ramsey, Lock 2	Mc Lean	384	16	.....	.....	.....	.....	.....	.....	.....	6.00	+3.60	3.30	0	8	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	22	77.3	− 0.4	100	2	54	18	35	7.54	+4.28	2.25	0	11	13	9	9	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	5	.....	.....	.....	.....	.....	.....	.....	5.11	.....	1.32	0	7	.....	.....	.....	.....	Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	352	5	.....	.....	.....	.....	.....	.....	.....	5.67	.....	2.25	0	11	.....	.....	.....	.....	C. L. Moore.
Anneatage	Jefferson	506	32	75.0	− 1.1	98	22	52	17	34	4.03	−0.29	1.17	0	7	22	6	3	se.	C. E. Barret.
Bardstown	Nelson	697	36	78.8	+ 0.3	104	22	53	6	42	7.04	+3.13	2.20	0	13	18	6	7	s.	Mrs. Emily T. Susco.
Bowling Green	Warren	560	44	78.4	− 0.8	102	2	58	18	34	10.95	+5.73	1.80	0	11	15	9	7	s.	Mrs. LilleG. Causey.
Bowling Green, No. 2	Warren	469	5	.....	.....	.....	.....	.....	.....	.....	9.13	.....	1.97	0	11	.....	.....	.....	.....	T. Rone
Brownsville, Lock 6‡	Edmonson	419	16	.....	.....	.....	.....	.....	.....	.....	6.73	+3.68	1.46	0	11	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	42	.....	.....	.....	.....	.....	.....	.....	5.25	+0.36	1.75	0	8	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	34	.....	.....	.....	.....	.....	.....	.....	2.92	−0.45	1.76	0	3	.....	.....	.....	.....	Shelby Angel.
Cool Spring, Dam 35	Campbell	489	7	.....	.....	.....	.....	.....	.....	.....	3.89	.....	1.62	0	9	.....	.....	.....	.....	Reuben Hartley
Danville	Boyle	540	0	76.2	.....	97	1	53	18	33	6.49	.....	3.29	0	14	9	15	7	e.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	750	5	76.6	.....	100	22	54	6†	40	4.56	.....	2.50	0	7	12	16	3	sw.	C. W. Williams.
Eubank	Pulaski	1177	36	73.4	− 1.5	94	24	49	6	37	6.79	+4.25	2.61	0	9	14	6	11	.....	Mrs. Katie Payne.
Frankfort	Franklin	560	41	76.8	− 0.1	102	22	53	5†	41	6.61	+2.55	2.00	0	10	15	5	11	w.	Sidney Wood.
Franklin	Simpson	681	35	80.0	+ 2.2	103	2	59	6†	37	6.01	+1.81	0.97	0	12	13	12	6	s.	M. E. Johnson.
Glasgow	Barren	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.42	+2.08	2.03	0	12	.....	.....	.....	.....	Louis Shindell.
Gest, Lock 3	Henry	449	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	12	11	7	13	sw.	F. Everett Frei.
Glasgow	.....	.....	.....	76.6	.....	96	1†	59	18	28	8.13	.....	2.75	0	12	11	7	13	sw.	F. Everett Frei.
Grat, Dam 38	Boone	780	.....	.....	.....	.....	.....	.....	.....	.....	1.80	.....	0.53	0	5	.....	.....	.....	.....	J. W. Sprague.
Greensburg	Green	588	40	77.2	+ 0.6	104	2	53	6	44	7.02	+2.77	2.10	0	12	5	2	24	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	31	.....	.....	.....	.....	.....	.....	.....	5.30	+0.98	2.60	0	11	.....	.....	.....	.....	Miss ruby L. Simpson.
Irvington	Breckinridge	656	35	77.9	+ 0.6	99	2	59	18	31	6.33	+3.12	2.50	0	9	14	10	7	sw.	Piggott
Lancaster	Garrard	1092	7	.....	.....	.....	.....	.....	.....	.....	8.38	.....	2.60	0	9	.....	.....	.....	.....	Walter Killion.
Lattenwald	Grayson	695	37	77.4	+ 0.8	100	22	57	18	32	6.44	+2.49	1.75	0	11	15	11	5	sw.	H. H. Willis.
Lexington	Fayette	980	49	75.7	− 0.2	96	22	55	4	25	4.72	+1.07	1.86	0	10	16	8	7	.....	U. S. Weather Bureau
Limekiln Canal, Lock 8	Jessamine	523	22	.....	.....	.....	.....	.....	.....	.....	5.35	+1.23	2.60	0	13	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	23	.....	.....	.....	.....	.....	.....	.....	6.42	+2.62	2.74	0	9	.....	.....	.....	.....	Frank Ditch.
Louisville	Jefferson	525	60	77.9	− 0.7	98	22	60	4	28	3.98	+0.28	1.74	0	10	9	8	14	s.	U. S. Weather Bureau.
Munfordville	Hart	660	19	.....	.....	.....	.....	.....	.....	.....	6.21	.....	1.65	0	12	.....	.....	.....	.....	A. G. Hubbard.
Munfordville	Hardin	777	37	76.6	+ 0.6	99	1†	56	6	35	8.27	+4.78	4.00	0	16	13	5	13	.....	Sisters of Loretto.
Salvisa, Lock 5	Mercer	450	19	.....	.....	.....	.....	.....	.....	.....	4.84	+0.12	2.25	0	11	.....	.....	.....	.....	Ernest M. Searcy.
Shelbyville	Shelby	525	44	76.0	− 0.5	102	22	57	4†	34	4.09	−0.10	1.42	0	10	17	7	7	s.	Miss Ruth Ratta.
Taylorsville	Spencer	489	31	75.5	− 0.6	98	2	53	6	37	5.45	+1.18	1.51	0	8	23	3	5	.....	K. D. Bourne.
Tyrone, Lock 5‡	Anderson	326	15	.....	.....	.....	.....	.....	.....	.....	5.30	+0.76	3.05	0	9	.....	.....	.....	.....	H. K. Vaughn.
Williamstown	Grant	915	30	76.2	+ 0.5	100	22	53	5	39	3.01	−0.67	1.00	0	12	22	4	5	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	533	16	.....	.....	.....	.....	.....	.....	.....	7.36	+4.20	2.07	0	11	.....	.....	.....	.....	H. J. Lewis.
Eastern Division.																				
Annville	Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.01	.....	1.15	0	12	15	5	11	ne.	W. A. Worthington.
Ashland	Boyd	535	14	75.8	− 0.3	100	22	53	18	33	6.18	+2.13	2.52	0	14	17	2	12	sw.	Jacob Armbruster.
Beattyville	Lee	600	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Robert S. Smallwood.
Berea	Madison	1020	28	76.1	+ 0.1	98	23	53	18	33	6.77	+2.62	2.60	0	10	18	7	6	s.	Chas. C. Graham.
Conway Hill, Lock 11	Madison	601	23	.....	.....	.....	.....	.....	.....	.....	6.79	+2.64	1.80	0	12	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	15	.....	.....	.....	.....	.....	.....	.....	4.53	+1.32	1.65	0	10	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	660	44	.....	.....	.....	.....	.....	.....	.....	3.56	0.16	1.32	0	11	.....	.....	.....	.....	J. V. Oldham.
Farmers	Rowan	668	25	*74.8	+ 0.1	100*	22	48*	18	40*	5.79	+1.13	1.20	0	9	8	14	9	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	8	.....	.....	.....	.....	.....	.....	.....	4.26	.....	1.71	0	7	.....	.....	.....	.....	C. A. Glascock.
Ford, Lock 10‡	Clark	563	17	.....	.....	.....	.....	.....	.....	.....	6.04	+1.09	1.65	0	13	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	589	8	.....	.....	.....	.....	.....	.....	.....	4.20	.....	1.37	0	6	.....	.....	.....	.....	Col. Frank Powers
Greenup, Dam 30	Greenup	540	13	.....	.....	.....	.....	.....	.....	.....	3.54	−0.41	0.87	0	12	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	5	74.4	.....	93	11	47	5	43	3.85	.....	1.45	0	11	11	15	5	sw.	W. W. Duffield.
Hazard	Perry	889	9	.....	.....	.....	.....	.....	.....	.....	4.86	.....	1.20	0	12	.....	.....	.....	.....	Chas. O. Ihrig.
Hedgeburg, Lock 14	Lee	664	16	.....	.....	.....	.....	.....	.....	.....	5.76	+1.34	1.77	0	11	.....	.....	.....	.....	S. C. Cole.
Jenkins	Letcher	1566	9	.....	.....	.....	.....	.....	.....	.....	8.08	.....	0.61	0	10	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	585	29	.....	.....	.....	.....	.....	.....	.....	5.65	+1.60	1.68	0	9	.....	.....	.....	.....	Russian Copley.
Manchester	Clay	.....	13	.....	.....	.....	.....	.....	.....	.....	9.65	+4.27	1.85	0	13	.....	.....	.....	.....	Jennett H. White.
Maysville	Mason	501	36	74.2	− 2.6	97	22	53	5†	33	2.01	−2.29	1.05	0	6	16	13	8	s.	Perry E. Bennett.
Middlesboro	Bell	1328	35	*76.4	+ 1.6	100‡	1	47*	5	47*	5.80	+0.35	1.55	0	11	8	12	3	.....	Matthew Woodson
Mount sterling	Montgomery	909	43	75.3	− 0.5	98	22†	52	7†	42	8.76	+3.78	1.53	0	12	21	7	5	w.	W. R. McKee.
Oneonta, Dam 35‡	Campbell	497	6	.....	.....	.....	.....	.....	.....	.....	2.25	−2.27	0.85	0	9	.....	.....	.....	.....	Otto Bilsible.
Paintsville	Floyd	667	.....	.....	.....	.....	.....	.....	.....	.....	4.57	.....	1.04	0	11	.....	.....	.....	.....	Eugene Daniel, Jr.
Pikeville	Pike	626	27	.....	.....	.....	.....	.....	.....	.....	5.42	+1.20	1.50	0	10	.....	.....	.....	.....	Robert Repass
Pippapass	Knott	1054	.....	*74.6	.....	103‡	23	47*	5	39*	7.90	.....	1.25	0	11	19	3	9	.....	F. W. Sammerfield.
Quicksand	Breathitt	792	7	75.6	.....	102	1	49	5	37	7.25	.....	1.50	0	10	.....	.....	.....	.....	R. W. Jones.
Stanton, Lock 12	Powell	621	15	.....	.....	.....	.....	.....	.....	.....	8.28	+3.32	2.10	0	12	.....	.....	.....	.....	Walter P. Bust.
Vanceburg	Lewis	555	42	75.2	− 1.5	93	23	57	28	27	7.66	+3.05	2.27	0	10	18	2	11	.....	F. W. Crooke.
Walker Shoals, Lock 9	Madison	800	20	.....	.....	.....	.....	.....	.....	.....	5.75	+1.43	2.00	0	8	.....	.....	.....	.....	Thos. Sullivan.
Waynesburg, Dam 32	Lincoln	944	20	.....	.....	.....	.....	.....	.....	.....	3.43	−1.65	1.19	0	9	.....	.....	.....	.....	H. M. Shamin.
Williamsburg	Whitley	975	18	.....	.....	.....	.....	.....	.....	.....	3.79	.....	0.86	0	12	.....	.....	.....	.....	W. H. Zimmerman.
Zachariah	Estill	1114	8	.....	.....	.....	.....	.....	.....	.....	6.29	+1.00	1.98	0	14	13	6	12	.....	H. F. Davis.
Zilpo	Wayne	899	36	78.1	+ 1.4	103‡	1	56*	5	42*	7.71	+3.15	3.90	0	12	.....	.....	.....	.....	Cleveland Angel.
Zoneton, Lock 13	Jefferson	511	14	.....	.....	.....	.....	.....	.....	.....	6.05	+1.94	3.10	0	10	15	8	8	s.	
				77.0	0.0	106	22	47	5	47										

All temperature data are taken from self-registering thermometer.

The departure (+ from normal) temperatures and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or district means.

Clear, Pt. cloudy, Cloudy, are number of days; for example, 9 represents two days, etc.

Prevailing direction of wind is based on observations at 7 a. m., 2 p. m. and 9 p. m. (Eastern time).

Dashes indicate missing; for example, 1 represents one day, etc.

T. Trace of precipitation or less than 0.01 inch rain or melted snow. §Lone Oak.

*Also on other dates. †Record for the month. ‡Data received too late to be included in means and summaries.

¶Pee Lodge and Dressers — Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 9, Nicholasville, Ky.; Lock 10, Red Horse, Ky.; Scott, Independence, Ky.

Otsonia, California, Ky.

Daily Precipitation for July, 1933.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G								.85	.20				.10	.15								.05						.10		
Calhoun	G							T.	.72					T.	T								.41	T	1.31							
Darlington	G								.20	1.15	.05				.85								.10		.70	.01	.02	.10			.12	
Fords Ferry Dam 50	O								.75	1.75	T.				.42									1.57	.14	.05	T				
Greenville	G								.90	1.05				.50									.25		.68	.15	.25	.25	.12			
Hawesville	O																															
Lewisburg	O									1.27																						
Lewisport	M																						.17	.60	.17	.10		.11		.02	.75	
Marion	O								2.10	.05				.25	.1					.50	.12	.5	.50	.55	.24	.5	.2					
Mayfield	M																															
Marion	O			.2					2.45														2.60	2.10	.2	.4	.1					
Murray	T		T						2.62	T				T									T	1.27	.1	.1	1.88	T				
Owensboro	O								.27	.25	T.			.25											.52	.25	.52		T			
Owensboro, Dam 45	O								.11	.38				.85	T										.2	1.0	1.2	.41	.02	T		
Paducah	O																															
Paducah (near)	O																															
Princeton	G								1.50																							
Rumsey, Lock No. 2	G								.10	.38										.27			.10	1.45	.11	.26	.7				
Russellville	G								.05	.02										.67	T.		.85	1.52	.11	.85	.20				
Uniontown, Dam 48	O								.07	.80	.24			1.10									.50	.05	.30	.77	.14				
Central Division									.66	.48	.02												.28	.25	.2	.8	.7				
Addison, Dam 45	O																							1.31	1.0	.2	.25	.05				
Auburndale	O																															
Bardstown	O							T.	1.17	.62	.08			.27	.03									.05	2.35	1.75	.15	.15	.04			
Bowling Green	S	.31		.22					.62	.20			.18	.14										.35	1.10							
Bowling Green	G									.90			.45	.25	.53								.20	.12	.2	.1	.50	.70		.05		
Bowling Green, No. 2	G									1.50				.10	.08	.02								.05		1.2	1.0	.16		1.2	.6	
Brownsville, Lock No. 6	G								.87	.20				.4	1.25	.38								.05		1.35	1.7	T	.2	.42		
Burnside	G			.03					.71	.05				.03	1.4	.18								.05	1.35	.42	1.1	.12		.18		
Carrollton (Lock No. 1)	K	.36							.22	.87				T.	T.								.02		.08	1.55	.37			.2		
Cave Spring, Dam 38	O	.38		.60										1.70											.50							
Danville	K	.29		.21					.22						1.02										.04	.14	.06	.15				
Dix Dam, Burgin	K		.10						.56	.01			.18	.67	.41					.03		.28			.75	.25	.7		.01	T		
Eubank	O	.03		.24						1.00			.70	.35											2.50	.05	.10			.05		
Frankfort	K	2.60		.50					.15	.10	T			1.17		T.									.05	2.02	.01	1.83	.24			
Franklin	G								.15	.15	T			1.17									T.	.29	1.05	.25	.42	.7			.01	
Gest, Lock No. 3	K	2.03		.38					.22	.88	.86			.97	.26								.24	.02	.27	.02	.74	.02		.12		
Glasgow	O								.24	.16				1.71										.25	.05	.30	.15	.01	.05		.09	
Grant, Dam 33	O	.40		.43					1.05	.51	.03			2.75	.40									.10	.20	.01	1.02	.35	T	.52	.05	
Greensburg	O									.30															T.	T	.42	.05				
High Bridge, Lock No. 7	K	.32		.05					.21	.01	.10			.02	.09	.29								.04	2.10	.90	1.20				.02	
Lexington	O			T					.04	.11				.05	.58									11	2.40	1.10	.16			.14		
Leicester	K								.73	.25				.81	.06								T.	1.62	2.70	.33	.31		.12			
Leitchfield	G								.90	2.40			.48	.28	.20									2.60	1.22	.20						
Lexington	K	.01	.20	.01					.25	.10			1.75	.63	.70								.07	.50	1.45	.70	.07		.82			
Little Rickman, Lock No. 8	K	.42	.12	.26					.11	.06		T.		1.15	T					T.	T.			1.16	1.01	.18	T.		.18	T		
Lockport, Lock No. 2	K	2.74	.40						T.	.15	.12			.44	.20	.20								.30	2.00	.30	.10			.14		
Louisville	O		T.						.35	.21			.03										.20	.40	.14	.15	T.				
Mannfordville	G								.04	1.70	.02			.04	T.	.04							.58	.70	.72	.02	.28					
St. John	G			.12						.80	.50	.11			.24	.16	.31						.22	.04	1.05	.10	1.01		.07			
Salvisa, Lock No 6	K	.35							.50	.48	.32					.50	.16							.58	1.05	.75	.45			T.		
Shelbyville	K	.15		.45					.10	.15	.40			.87	.40	.09									2.25	.40	.20	.08				
Taylorsville	K	.70		T.					.31	.23				T.	.54										1.42	.86	.11	.11		.03		
Tyrone, Lock No. 5	K	T.	.16						.52	T.					T.						T.		.13	.37	.99	1.51	.35	.05		T.		
Williamstown	L	1.00		.14					.43	.05				.35										3.05	.77	.12	.5			.02		
Woodbury, Lock No. 4	G								.10	.03				.05	.40									.35	.20	.12	.45	.03	.05			
Eastern Division										.75	.06			.10	.11	.05								.92	2.07	1.61	1.91	.12		.25		
Annville	C	.85	.08	.04																												
Ashland	O	.42	.18	.32					.85	.13				.46	.17						.02			.30	1.13	1.15	1.06					
Beattyville	K	.46	.05	.46	.01				.18	2.52				.02	.05								.08	.22	.56	1.36	.4	.25		.05		
Berea	K	1.30		.05					.20		.14			.08	.04	.84								.76	2.60	.50			.04			
College Hill, Lock No. 11	K	.60		.64					.35	.68				.13						.07		T.		.10	1.85	1.70	.10			T.		
Cynthiana	L	1.05		.37						.20	.20	T	.35	.4	.05						T.		.05	.10	1.8	1.70	.10					
Edmonton	L	1.50		.33					.12	.25	.02			.05	.2									.05	.32	.32	.25	T.				
Farmers	L	1.62		.38					.02	.16					.06								.02	.02	.22	.2	.45		.19	T		
Fleemingsburg	L				1.75					.04	.04			.05										.03	.03	1.02	.20					
Ford, Lock No. 10	K	.92		.45					.35	.27					.20									.05	.23	.25						
Grayson	O	1.11	.58						.03	.02	.02			.25	T	.02					.04	.08		.35	1.65	1.05	.10			T.		
Greenup, Dam 30	O	.02	.37	.16							.22													.70	1.47	.20						
Harlan	K									.10	.48				.66									.03	.21	.06	.60	.01				
Hazard	K									.05	.03			.03		.15					.02	.38			1.45	.04		.20	.20			
Heidelberg, Lock No. 14	K	.75	.90	.23	.02					.15	.20			.04	.31	.14								.81	1.20	.31						
Jenkins	K			.37						.25				.20		.37	.10						T.	.36	1.77	1.14	.26			.04		
Loyall	K									.07	.40				.28						.10			.18	.45	.29		.81	.21	.40		
Manchester	K	.38	.83	.10						.01	.37																					
Maysville	L	1.52	.45	.02						.57	.17				.30	.29	.48							1.85	.43	1.57	1.16	.68				
Middlesboro	O		1.05							T.	.40					.2									.35	.16	.03					
Mount Sterling	L	.67		.85					.08		.68			.32	.79						.46		.64	.05	1.56	1.04	.70	.05				
Owenton Dam 35	O	.51		.56					.02	.16	.2		1.03	1.47	.18								T.	.55	1.38	1.23	.22	T				
Paintsville	K								.12	T	.07					.35								.25	.03	.14	T	.20		T		
Paris	L		.33								.13				.16	.30	.54							.51	.19	.93	1.04	.32				
Pippapass	K		.25	.68						.7	.45					.1				.30				.51	.76	2.71	.56	.02		.77		
Sandsend	K		.58	.26					.10				.03	.11										.03	1.16	.03	1.95	.87	.05			
Savanna, Lock No. 12	K	.74	.61	.30						T.	.22		.72		.32									.05		1.80	1.03			.68		
Richmond	K	.54	.79	.44					T.	.28	.11			1.03	.60	.05				T.			T.	.37	2.10	1.02	.12	T.				
Valley View, Lock No. 9	K	.58		.62						.15	.07			2.27	.36									.27	2.00	1.37	.08			T.		
Vanceburg, Dam No. 32	O		.04					.05					2.00	.04										.27	2.00	1.37	.08					
Whitesburg	K	.18	1.12	.24						.11					.48									.80	1.75	1.00	.07			.68		
Williamsburg	K			.49						.17	.04				.26	.07	.02			.20					.72	.85	.05	.03					
Willow, Lock No. 13	C									.10	.22				.47	.02	.39				.12	.18	.40		.05	.42	.85	.03	.48				
	K	.15	.38						.25	.64			.15	.15	.30					.10				.42	1.48	1.22	.07	.10	.30			

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ² Precipitation included in the next following measurement.

³ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (R) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green. (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak

Daily Temperatures for July, 1933.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	102	101	95	86	92	98	100	98	82	84	86	92	95	94	87	86	86	86	90	98	101	102	99	91	80	72	77	88	101	96	95	91.6
	Minimum	75	75	69	61	60	66	68	69	72	70	70	52	61	69	67	62	52	58	65	65	64	66	70	71	68	66	66	70	69	71	72	65.3
Calhoun	Maximum	100	102	95	84	91	95	99	97	85	88	88	91	95	88	80	83	85	87	87	97	99	100	96	85	78	72	79	85	89	91	..	*89.6
	Minimum	75	75	70	61	62	63	63	68	73	72	71	63	64	70	70	64	58	57	60	65	67	68	72	72	69	65	67	70	71	73	..	*67.5
Harlington	Maximum	102	103	98	88	91	96	98	97	82	90	95	92	93	92	87	86	89	87	91	96	99	100	98	87	79	72	76	87	90	91	94	90.5
	Minimum	75	77	73	64	65	69	68	65	72	72	71	56	64	70	71	69	65	65	64	65	66	68	72	73	72	65	67	69	72	73	75	67.7
Greenville	Maximum	101	103	99	88	91	95	99	94	80	87	88	93	92	89	86	88	88	86	90	94	95	99	100	88	79	74	76	86	88	85	92	89 8
	Minimum	76	75	71	66	61	66	68	62	70	70	70	61	61	67	66	62	58	61	63	62	65	66	69	69	69	66	65	68	68	71	73	65.5
Henderson	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Hopkinsville	Maximum	100	101	95	90	90	95	95	96	87	89	92	94	96	90	89	91	90	89	91	96	100	101	98	85	78	76	84	86	90	94	95	91.5
	Minimum	70	73	75	62	65	68	69	71	73	71	72	64	70	69	69	62	67	65	67	64	66	68	70	71	69	67	68	69	68	70	71	68.7
Lovelaceville	Maximum	99	102	97	86	91	98	96	97	90	88	89	88	92	93	87	90	90	84	93	98	99	100	97	86	78	74	77	83	86	90	93	90.1
	Minimum	74	74	76	61	64	69	67	66	72	73	70	61	60	67	69	66	56	58	65	65	66	68	72	73	70	67	67	67	71	72	69	66.9
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mayfield	Maximum	100	103	95	90	89	92	94	94	92	87	88	87	91	90	..	85	90	92	96	92	96	96	..	91	84	78	80	83	84	87	89	*88.8
	Minimum	81	81	80	69	74	76	74	75	76	79	78	72	74	75	..	71	69	69	70	70	72	73	..	73	72	72	73	77	78	75	77	*75.0
Murray	Maximum	100	104	92	90	91	94	96	97	84	88	90	90	92	87	90	88	87	90	93	95	98	99	98	93	78	78	85	87	90	90	95	90 5
	Minimum	78	78	76	69	66	66	66	68	73	72	70	62	64	70	69	62	55	60	64	66	64	66	70	70	70	67	68	68	68	70	71	68.7
Owensboro	Maximum	99	103	94	86	89	93	92	91	78	86	87	89	92	88	85	86	87	85	89	92	97	97	97	89	76	72	78	84	86	88	93	90.7
	Minimum	74	74	68	61	62	61	64	65	70	69	66	62	68	66	66	64	61	64	64	65	65	68	70	69	66	65	65	69	71	72	72	66.1
Paducah (near)	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	104	104	98	94	92	97	99	94	89	89	93	93	90	89	90	88	89	92	96	97	102	103	99	89	79	75	80	90	94	95	97	94.3
	Minimum	76	75	76	68	66	64	64	68	76	76	75	67	71	74	73	68	64	66	67	66	69	72	73	73	73	69	72	73	74	76	72	68 8
Russellville	Maximum	99	103	95	89	89	95	96	96	86	88	89	90	93	88	86	88	86	84	88	93	96	98	98	88	78	76	80	86	88	90	93	89 1
	Minimum	73	72	77	62	64	68	69	67	71	71	71	61	65	68	66	65	58	64	65	63	66	66	70	69	70	64	68	69	69	70	72	68.5
Central Division.																																	
Anchorage	Maximum	96	96	86	89	86	88	92	91	76	89	88	87	86	86	78	82	82	85	88	92	94	96	..	..	73	73	75	80	86	88	88	86 1
	Minimum	69	73	64	57	58	57	58	64	69	68	61	62	66	61	55	60	52	54	57	62	66	67	7	67	62	62	66	68	67	68	70	62.8
Bardstown	Maximum	103	101	88	88	93	95	98	95	89	93	94	92	90	90	84	86	86	92	90	97	100	104	101	97	83	78	82	90	93	93	96	91.9
	Minimum	70	75	65	58	66	68	67	71	72	69	66	67	67	67	64	59	54	58	60	66	67	68	70	68	68	66	66	70	69	72	71	67.7
Bowling Green	Maximum	103	102	94	90	92	95	97	97	85	87	92	89	88	87	85	84	93	96	98	96	99	100	98	88	78	77	82	86	87	87	90	89.7
	Minimum	73	75	76	61	63	61	63	65	72	70	71	63	68	70	65	63	60	58	66	66	68	69	72	71	69	68	67	66	71	71	71	67.3
Danville	Maximum	97	98	90	86	85	87	94	93	86	85	86	90	91	92	84	82	85	82	86	89	93	95	98	94	82	74	76	80	89	91	92	87.6
	Minimum	72	73	64	55	52	54	57	64	70	67	65	60	63	68	58	55	50	53	59	60	64	68	66	66	66	64	64	65	66	67	69	63.8
Dix Dam	Maximum	94	98	72	53	87	90	93	96	82	86	90	94	86	82	76	78	83	86	90	94	96	98	97	93	89	74	76	85	88	90	92	87.0
	Minimum	71	74	58	65	56	64	66	66	72	68	66	58	66	66	66	58	56	58	65	66	68	68	69	70	68	68	68	68	68	70	72	66.3
Elkhorn	Maximum	91	96	88	84	86	94	96	94	78	82	87	86	86	77	81	83	82	84	74	76	83	91	92	94	87	77	79	74	85	84	90	91	84.3
	Minimum	68	66	62	57	58	59	57	61	72	69	66	66	68	66	59	57	56	57	60	63	63	64	65	63	62	62	62	67	67	71	67	62.5
Frankfort	Maximum	100	97	91	81	88	91	95	94	86	88	88	91	87	88	83	87	86	88	91	96	99	102	99	96	86	75	76	87	90	94	98	89.7
	Minimum	69	74	66	58	53	58	64	65	71	67	62	56	67	64	65	61	54	54	66	67	67	68	70	67	66	64	63	67	67	69	67	63.9
Franklin	Maximum	102	103	98	92	93	96	97	96	89	84	89	93	90	90	85	86	87	87	89	95	100	98	98	87	78	78	81	89	90	94	94	91.9
	Minimum	73	75	73	62	65	69	64	66	72	71	72	62	70	68	66	66	56	59	66	66	71	71	72	70	71	69	69	71	71	72	73	68 1
Glasgow	Maximum	96	95	85	84	86	89	91	92	86	81	84	85	81	78	83	80	83	80	87	90	91	99	97	94	72	74	80	85	86	86	86	85.6
	Minimum	72	75	68	61	65	62	65	65	70	71	71	66	70	66	65	65	62	59	68	67	70	73	76	69	70	68	68	70	70	73	73	67.3
Greenup	Maximum	103	101	94	88	92	96	99	98	85	85	86	92	92	85	82	83	85	87	89	94	97	101	98	91	83	76	78	86	88	89	87	89.5
	Minimum	71	74	65	57	55	53	55	59	70	69	69	59	66	65	64	60	56	54	62	64	65	65	65	65	63	63	67	67	71	69	66	64.8
Irvington	Maximum	98	94	86	82	87	90	93	93	83	88	91	88	93	84	86	85	84	86	88	93	94	96	98	97	87	79	78	84	89	87	90	88.0
	Minimum	75	77	67	66	62	66	66	67	72	70	69	64	66	68	65	60	59	64	65	68	66	73	66	66	67	66	63	67	71	71	73	67.8
Leitchfield	Maximum	99	95	90	85	90	92	94	94	80	84	89	90	93	86	86	86	86	84	92	96	100	101	98	92	72	74	78	83	88	89	90	88.6
	Minimum	73	75	67	60	61	66	65	65	72	71	69	62	66	66	66	60	61	57	64	65	67	69	72	70	68	66	66	70	70	72	73	66.9
Lexington	Maximum	93	92	74	76	82	84	90	87	76	80	84	87	86	82	78	82	82	84	86	90	93	96	94	90	76	72	74	78	84	86	88	84.3
	Minimum	70	72	60	55	60	66	68	70	67	66	69	67	66	66	66	62	62	60	65	68	70	73	75	74	70	66	64	64	66	66	72	70	66 9
Louisville	Maximum	98	98	91	82	87	90	93	93	85	86	88	90	92	86	84	86	86	88	90	94	97	98	96	93	80	78	74	76	82	87	88	90	86 8
	Minimum	73	71	66	60	62	62	69	72	71	70	67	64	71	69	69	68	64	65	64	64	72	74	78	71	68	67	67	71	72	70	75	69 0
St. Johns	Maximum	96	94	86	82	86	90	93	93	83	88	88	87	86	85	83	84	86	87	93	96	98	99	98	93	82	78	78	82	86	88	90	88 6
	Minimum	73	77	67	66	66	66	67	72	70	69	64	64	68	68	65	60	59	64	65	68	66	73	66	66	67	66	63	67	71	71	73	67.8
Louisville	Maximum	93	93	87	82	87	90	93	93	83	88	88	87	86	85	83	84	86	87	93	96	98	99	98	93	82	78	78	82	86	88	90	88.6
	Minimum	73	75	67	66	66	66	67	72	70	69	64	64	68	68	65	60	59	64	65	68	66	73	66	66	67	66	63	67	71	71	73	67.8
Taylorsville	Maximum	97	98	87	82	87	90	93	93	83	88	88	87	86	85	83	84	86	87	93	96	98	99	98	93	82	78	78	82	86	88	90	88.6
	Minimum	73	75	67	66	66	66	67	72	70	69	64	64	68	68	65	60	59	64	65	68	66	73	66	66	67	66	63	67	71	71	73	67.8
Willisburg	Maximum	97	98	87	82	87	90	93	93	83	88	88	87	86	85	83	84	86	87	93	96	98	99	98	93	82	78	78	82	86	88	90	88.6
	Minimum	73	75	67	66	66	66	67	72	70	69	64	64	68	68	65	60	59	64	65	68	66	73	66	66	67	66	63	67	71	71	73	67.8
Eastern Division.																																	
Ashland	Maximum	96	93	72	76	84	87	91	92	86	85	85	85	84	84	86	87	84	84	89	92	94	100	97	93	84	79	77	88	90	90	91	86.9
	Minimum	70	67	58	55	54	57	58	61	71	69	67	62	64	63	67	55	60	53	58	53	69	67	71	69	69	67	69	70	70	73	73	64.6
Beattyville	Maximum	99	101	99	72	86	85	88	93	90	86	88	87	89	86	86	86	87	86	87	88	91	94	..	..	..	..	..	..	..	..	..	.....
	Minimum	66	68	68	58	52	58	56	58	61	67	65	60	61	61	64	60	56	52	54	54	..	..	..	..	..	..	..	..	..	..	..	.....
Berea	Maximum	95	93	80	81	86	87	91	91	82	86	86	90	89	88	85	86	87	88	85	90	94	96	97	94	87	82	85	87	88	90	90	*87.2
	Minimum	68	71	62	57	55	55	58	62	68	67	66	60	64	62	64	58	56	54	58	58	61	65	70	68	73	69	66	65	65	69	69	65 0
Carrollton	Maximum	95	94	91	77	81	88	92	91	81	90	90	88	85	87	86	86	90	94	96	100	101	97	98	95	91	86	74	78	84	87	89	*91.9
	Minimum	69	65	68	65	59	59	57	59	68	68	67	64	63	64	64	62	61	61	64	66	66	68	68	68	68	68	68	68	68	68	68	65.7
Harlan	Maximum	90	90	81	61	90	85	88	88	83	86	87	89	85	86	87	89	85	86	82	86	85	85	87	87	85	85	87	87	87	88	88	64 1
	Minimum	68	66	62	53	57	61	58	58	66	67	66	62	62	62	62	61	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	60 6
Maysville	Maximum	92	91	73	77	80	84	90	92	86	86	86	89	87	84	83	83	85	86	87	91	93	97	93	89	80	77	78	83	86	87	89	86 6
	Minimum	72	72	62	57	53	55	57	61	71	69	64	58	61	61	61	58	55	56	61	63	63	65	67	66	66	65	65	66	67	67	67	63 6
Middlesboro	Maximum	100	97	85	86	90	93	94	96	90	87	87	90	90	87	87	87	87	90	92	94	96	98	98	94	87	83	84	87	89	91	92	90 6
	Minimum	68	67	57	58	47	54	52	56	61	63	61	57	57	57	57	56	54	55	58	60	62	64	65	66	66	64	64	66	66	66	66	*62 2
Mount Sterling	Maximum	95	95	77	78	84	86	87	88	84	86	87	88	87	86	87	87	84	87	88	90	93	96	97	93	87	81	80	84	86	87	89	87 9
	Minimum	65	67	61	54	53	53	59	63	64	64	66	64	63	63	63	63	62	62	62	63	63	64	65	65	64	64	64	66	66	67	69	63 7
Pikeville	Maximum	97	94	77	82	87	90	92	92	..	93	87	91	90	87	87	87	87	89	91	94	97	100	101	97	91	86	80	77	85	88	88	*90.6
	Minimum	65	64	63	62	57	59	58	58	..	69	69	64	64	67	64	58	59	60	60	61	64	64	64	64	64	64	64	64	64	64	64	63 8
Salyersville	Maximum	102	101	84	82	87	90	93	94	86	87	87	89	89	87	87	87	87	89	91	94	97	99	98	94	87	83	84	87	89	91	92	89 1
	Minimum	71	71	67	61	58	58	58	61	70	68	66	62	64	64	64	62	60	60	62	64	64	66	68	68	68	68	68	68	68	68	68	65 7
Williamsburg	Maximum	101	98	92	88	88	93	96	96	91	90	93	90	92	90	88	89	90	87	91	93	100	100	99	93	87	85	86	87	89	91	92	92 3
	Minimum	72	72	70	59	60	62	65	69	68	69	71	69	69	66	66	62	62	61	65	68	67	66	68	68	68	68	68	68	68	68	68	66 4

* Temperatures are read to the morning; the maximum temperature then read is entered to the preceding day, on which it almost always occurs.

... etc. indicate respectively 1, 2, 3 etc. days missing from record.

* B. & O. Louisville, 8:00 a. m. 100.

1.05
KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

J. L. KENDALL,

VOL. XXXVIII LOUISVILLE, KY., AUGUST, 1933 No. 8

GENERAL SUMMARY.

Although temperatures were rather low the abundant soil moisture in most sections during the first half favored rapid progress by the staple crops. Some counties in the northern bluegrass region and near the upper Ohio remained dry, with continued deterioration of crops and pastures. The eastern part of this dry district was reached by good rains in the first week and the remainder in the following week. Excessive rains in the second week in the central counties caused considerable damage by flooding of bottom lands, and produced such saturation as to retard the growth of tobacco on the heavier types of soil. Stimulated by the plentiful supply of moisture, late tobacco began to grow vigorously and made such excellent progress as greatly to improve the prospects for this part of the crop. Early corn showed the effect of preceding dry weather in smaller ears, and suffered considerable damage in the limited northern dry area; but as a rule the crop developed toward maturity in seasonal fashion. Late corn made good growth in all sections until the last week, when moisture became deficient in districts near the borders of the State.

Pastures revived completely in the western and central counties early in the month, and continued good in most of that area. In northern and eastern sections growth was renewed at first but diminished later on.

In the prevailing fair weather and generous sunshine of the last two decades early tobacco ripened somewhat more rapidly than usual. This was followed by excellent progress in cutting and housing, particularly in the Burley district, with weather conditions ideal for the work. This period also favored cutting and curing alfalfa which had grown a good third crop since the rains. As a rule the weather was favorable for field tomatoes and late potatoes, but both crops were needing rain toward the end of the month.

TEMPERATURE.

The temperature oscillated considerably in periods of moderate length, but averaged below normal at most stations. A few decidedly warm days occurred early in the first and late in the fourth week, when the maxima were registered at nearly all stations. As a rule maximum temperatures were moderate and minimum temperatures often rather low. The extremes were 99° on the 2d at Williamstown and 51° on the 15th at Russellville.

PRECIPITATION.

The rainfall for the State was about three-fourths of the August average; but it varied so greatly that some districts received nearly twice the normal amount while in others only about one-fourth of it occurred. In the south-central district and most of the upper Cumberland basin amounts ranged between 4.0 and 8.0 inches. In the western counties and a broad northwest-southeast belt across the bluegrass region and the mountains from 1.0 to 3.0 inches occurred. Most of the main agricultural region was included in the area of deficient rainfall; but in general these were districts that received heavy to excessive rains in the preceding month so that the lack of moisture was less than these small amounts would indicate. The rains were usually of the shower type, rather irregularly distributed on most days from the 1st to 18th and 28th to 31st. Some heavy local rains occurred on the 3d-4th and 10-11th. Monthly amounts ranged between 0.87 inch at Pikeville and 7.95 inches at Burnside. Dates with thunderstorms: 1, 2, 3, 8, 9, 10, 11, 12, 13, 17, 18, 27, 30.

MISCELLANEOUS.

Aug. 11.---An excessive rainfall in Green County washed out railroad tracks and damaged crops.

Rivers.---Except in small headwater streams in the south-central counties, where there was some local flooding on the 11th, streams continued at or near pool stages.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 7 a. m.	2 p. m.	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.97	30.20	15	29.79	24	6.2	25	se.	27	85	59	66	76
Cincinnati ..... Ohio	30.00	30.25	6	29.77	11	6.4	21	w.	2	79	50	60	77
Evansville ..... Ind.	29.99	30.22	15	29.80	23	7.3	27	sw.	2	77	53	58	73
Louisville ..... Ky.	30.02	30.24	6	29.81	23	8.6	32	e.	21	79	54	59	71

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature. Mean.	Departure.	Highest	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	70.6	−5.0	100	43	1.23	−2.16	3.32	0.32	...	...	...	...	...
1890	73.2	−2.4	101	44	6.16	+2.47	8.68	3.22	...	...	...	...	...
1891	72.9	−2.7	105	43	5.82	+2.18	19.76	2.72	...	...	...	...	...
1892	75.4	−0.2	96	45	3.13	−0.56	8.10	0.63	...	...	...	...	...
1893	74.8	−0.8	99	48	1.72	−1.97	8.20	1.06	...	...	...	...	...
1894	77.1	+1.5	105	41	3.02	−0.67	7.55	0.83	...	6	...	...	...
1895	76.6	+1.0	102	49	2.15	−1.54	5.07	0.16	0	6	16	10	4
1896	77.1	+1.5	105	41	2.83	−0.86	6.44	0.30	0	9	19	8	4
1897	75.2	−0.4	101	49	2.33	−1.86	5.45	0.40	0	7	18	8	3
1898	76.7	+1.1	100	55	3.83	+0.14	9.85	1.10	0	6	18	10	3
1899	78.1	+2.5	102	51	3.09	−0.60	5.26	1.26	0	6	16	11	4
1900	80.4	+4.8	104	52	2.74	−0.95	6.81	0.05	0	12	19	7	2
1901	75.5	−0.1	101	50	5.12	+1.43	15.50	1.42	0	7	12	9	10
1902	75.6	0.0	103	45	2.48	−1.21	5.79	0.86	0	8	16	10	5
1903	75.5	−0.1	100	49	3.27	−0.42	6.01	0.66	0	8	15	11	5
1904	76.2	−0.4	100	45	2.64	−1.05	5.52	0.59	0	9	15	8	8
1905	75.7	+0.1	99	52	3.82	+0.13	7.46	1.70	0	10	16	8	7
1906	77.4	+1.8	99	45	4.37	+0.68	8.96	1.92	0	10	13	9	9
1907	74.8	−0.8	99	48	4.27	+0.58	7.56	2.47	0	6	15	7	9
1908	76.3	+0.7	104	49	2.79	−0.90	5.27	0.67	0	7	16	8	7
1909	76.9	+1.3	104	45	2.60	−1.05	8.89	0.09	0	6	14	8	4
1910	74.0	−1.6	100	46	2.72	−0.97	6.58	0.16	0	10	15	7	6
1911	76.2	+0.6	106	45	4.03	+0.34	6.71	1.84	0	13	13	7	11
1912	73.7	−1.9	98	43	4.71	+1.02	8.22	1.50	0	7	14	8	9
1913	78.0	+2.4	108	44	2.81	−0.88	6.64	0.57	0	12	16	9	6
1914	76.0	+0.4	100	49	5.94	+2.25	10.29	2.86	0	14	13	8	10
1915	71.3	−4.3	100	42	6.29	+2.60	11.03	4.05	0	9	9	10	12
1916	77.0	+1.4	101	47	4.25	+0.56	8.19	0.78	0	8	13	10	7
1917	73.9	−1.7	100	42	3.49	−0.20	8.80	0.98	0	7	16	8	7
1918	80.2	+4.6	111	50	3.13	−0.51	7.18	1.24	0	8	17	9	5
1919	75.0	−0.6	104	47	3.25	−0.39	6.98	0.84	0	13	17	8	6
1920	73.4	−2.2	98	37	5.89	+2.11	16.16	1.70	0	10	16	10	11
1921	76.0	+0.4	101	48	5.28	+1.59	8.30	3.26	0	6	16	9	6
1922	75.2	−0.4	101	44	2.43	−1.26	5.82	0.61	0	12	16	9	6
1923	75.4	−0.2	99	43	6.03	+2.34	12.77	2.17	0	12	13	10	8
1924	76.5	+0.9	103	53	3.09	−0.60	7.15	0.92	0	5	21	6	4
1925	76.6	−0.9	106	44	1.47	−2.22	5.17	T.	0	5	21	7	3
1926	77.3	+1.7	104	51	7.51	+3.82	12.63	2.26	0	14	12	10	9
1927	74.1	−4.5	97	43	2.88	−0.81	6.04	0.74	0	8	16	8	7
1928	77.0	+1.4	101	54	4.33	+0.64	7.36	1.06	0	12	14	10	7
1929	74.0	−1.6	106	37	2.06	−1.63	5.84	0.31	0	6	16	7	5
1930	76.5	+0.9	113	42	2.25	−1.44	5.40	0.32	0	7	16	9	6
1931	74.9	−0.7	102	45	5.56	+1.67	11.16	1.67	0	12	18	9	9
1932	76.5	+0.9	103	43	4.25	+0.56	9.79	0.51	0	7	17	9	5
1933	74.7	−0.9	99	51	3.80	−0.39	7.95	0.87	0	8	16	6	15
Period	75.6	.....	113	37	3.69	.....	19.76	T.	0	9	16	9	6

Climatological Data for August, 1933.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches			Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																			
Beaver Dam	Ohio	441	29	76.2	−0.2	98	1	51	15	40	2.18	−1.13	1.60	0	5	24	5	2	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	W. A. Taylor.
Earlington	Hopkins	420	43	76.5	−0.6	97	3	52	15	35	0.96	−2.26	0.75	0	4	21	9	1	sw.	Brick Southworth.
Fordsville	Ohio	456	4	.....	.....	.....	.....	.....	.....	.....	1.51	.....	0.68	0	7	.....	.....	.....	.....	W. D. Hatcher.
Fords Ferry, Dam 50	Crittenden	356	4	.....	.....	.....	.....	.....	.....	.....	1.38	−2.20	0.53	0	6	20	8	3	s.	C. R. Lovell.
Jeffersville	Muhlenbourg	519	16	73.0	−1.7	97	27	50	15	35	1.98	−2.02	0.84	0	5	16	10	5	w.	Richard Stites
Henderson	Henderson	382	19	76.4	.....	94	25†	55	14	31	2.18	−0.62	0.84	0	5	11	7	13	se.	W. E. Graves.
Hopkinsville	Christian	524	37	76.8	−1.1	99	27	51	15	35	1.11	−2.33	0.47	0	8	11	7	13	se.	Blaine Malone.
Lovelaceville	Ballard	.....	4	75.8	.....	96	26	53	15†	35	2.16	.....	1.30	0	5	25	5	1	s.	Mrs. C. R. Sowell.
Mayfield	Graves	364	24	.....	.....	99b	1†	.....	.....	.....	2.56	−1.01	1.10	0	8	23	5	3	ne.	Harry B. Arnold
Murray	Calloway	412	7	75.8	.....	96	1†	52	18	37	3.98	.....	2.23	0	6	9	16	6	s.	Henry S. Berry.
Owensboro	Daviess	479	36	73.8	−2.5	96	27†	55	15†	35	2.80	−0.86	0.64	0	7	21	7	3	s.	George McClemary.
Owensboro, Dam 46	Daviess	404	5	.....	.....	.....	.....	.....	.....	.....	2.56	.....	0.67	0	7	.....	.....	.....	.....	J. W. Lilley
Paducah, near	McCracken	316	16	.....	.....	.....	.....	.....	.....	.....	2.16	−1.80	1.10	0	4	.....	.....	.....	.....	C. J. Rhodes.
Paducah	McCracken	341	44	.....	.....	.....	.....	.....	.....	.....	2.80	−0.66	1.05	0	8	.....	.....	.....	.....	Dr. W. L. Cash.
Princeton	Caldwell	529	26	77.4	+0.1	96	1†	59	19	31	1.63	−1.64	0.68	0	8	14	14	3	n.	Thos. L. Wetzell.
Ramsey, Lock 2	Edmon	584	16	.....	.....	.....	.....	.....	.....	.....	1.55	−2.74	1.34	0	4	.....	.....	.....	.....	Wm. Shelton.
Russellville	Logan	590	22	74.4	−3.3	95	1	51	15	35	2.22	−0.77	0.82	0	6	17	9	5	n.	Earl Holder.
Uniontown, Dam 49	Union	357	5	.....	.....	.....	.....	.....	.....	.....	2.35	.....	1.04	0	6	.....	.....	.....	.....	
Central Division.																				
Addison, Dam 45	Breckinridge	332	5	.....	.....	.....	.....	.....	.....	.....	2.76	.....	1.08	0	8	.....	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	700	32	73.2	−1.5	93	27	54	16	32	1.51	−1.02	1.25	0	6	21	8	2	sw.	C. E. Barret.
Bardstown	Nelson	657	36	75.5	−1.5	97	2	52	15	33	4.42	+0.69	0.92	0	8	8	7	6	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	560	44	75.2	−3.1	93	12	56	15	28	4.20	+0.43	1.78	0	8	11	13	7	s.	Mrs. LillieG. Causey.
Bowling Green, No. 2	Warren	469	8	.....	.....	.....	.....	.....	.....	.....	5.26	.....	1.94	0	11	.....	.....	T.	.....	T. Rone
Brandenburg, Lock 6	Edmonson	410	16	.....	.....	.....	.....	.....	.....	.....	5.53	+1.43	3.18	0	8	.....	.....	.....	.....	Virgil M. Whalin.
Brandenburg	Meade	450	4	.....	.....	.....	.....	.....	.....	.....	7.56	+3.66	4.22	0	8	.....	.....	.....	.....	T. A. Lewis
Burnside	Pulaski	778	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	Shelby Angel.
Carrollton, Lock 1	Carroll	422	24	.....	.....	.....	.....	.....	.....	.....	3.49	−0.01	1.79	0	5	.....	.....	.....	.....	Reuben Hartley
Old Spring, Dam 35	Campbell	489	7	.....	.....	.....	.....	.....	.....	.....	2.02	.....	0.46	0	8	.....	.....	.....	.....	Ralph C. Wyatt.
Danville	Boyle	940	9	73.2	.....	92	1†	52	19	32	2.76	.....	1.11	0	9	18	7	6	se.	C. W. Williams.
Elk Horn, Burgin	Mercer	770	5	75.6	.....	97	27	54	15	30	2.56	.....	0.93	0	5	13	13	5	sw.	Mrs. Katie Payne.
Eubank	Pulaski	1177	39	72.4	−1.4	92	1	56	15†	30	5.42	+1.08	4.08	0	4	9	16	6	s.	Sidney Wood.
Frankfort	Franklin	560	41	75.0	−0.1	96	27	53	15	34	2.43	−1.29	0.65	0	8	15	10	6	w.	M. E. Johnson.
Franklin	Simpson	601	38	77.9	+1.1	97	27	55	15	35	2.38	−1.16	0.51	0	9	16	9	6	s.	Mrs. Jessie Shiddell.
Frost, Lock 3	Henry	449	22	.....	.....	.....	.....	.....	.....	.....	2.08	−1.94	0.98	0	9	.....	.....	.....	.....	E. Everett Frol.
Glasgow	.....	.....	.....	73.8	.....	89	1	58	15†	25	6.00	.....	2.21	0	12	14	10	7	sw.	H. W. Sprague.
Grant, Dam 38	Boone	780	5	.....	.....	.....	.....	.....	.....	.....	3.75	.....	1.12	0	9	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn
Greensburg	Green	581	40	74.6	+0.7	96	2	53	15	35	5.28	+1.16	3.50	0	9	5	7	19	n.	Miss Ruby L. Simpson.
High Bridge, Lock 7	Jessamine	559	31	.....	.....	.....	.....	.....	.....	.....	2.42	−1.53	0.86	0	2	.....	.....	.....	.....	
Irvington	Breckinridge	676	35	74.6	−1.5	91	1	55	15	26	3.20	−0.27	1.39	0	7	16	3	12	sw.	W. J. Piggott
Lancaster	Garrard	1082	7	.....	.....	.....	.....	.....	.....	.....	2.21	.....	0.60	0	7	.....	.....	.....	.....	Walter Kellion.
Leitchfield	Grayson	685	37	73.6	−1.0	93	27	55	15	29	2.34	−0.95	1.15	0	8	16	12	3	sw.	H. H. Willis.
Lexington	Fayette	989	49	73.3	−1.2	92	27	52	15	29	3.02	−0.45	1.41	0	10	.....	.....	.....	.....	U. S. Weather Bureau.
Littlebuckman, Lock 8	Jessamine	523	22	.....	.....	.....	.....	.....	.....	.....	2.83	−1.84	0.92	0	7	.....	.....	.....	.....	Horace Canter.
Lockport, Lock 2	Henry	476	23	.....	.....	.....	.....	.....	.....	.....	2.56	−1.84	1.27	0	6	.....	.....	.....	.....	Frank Litch.
Owingsville	Bath	525	66	75.4	−1.6	98	27	59	15	26	2.17	−1.25	0.74	0	9	11	10	10	n.	U. S. Weather Bureau.
Russellville	Bart	600	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	A. G. Hubbard.
Sandersville	Hardin	777	37	73.8	−1.1	93	27	54	15	31	5.51	+1.69	2.55	0	8	18	5	8	.....	Sisters of Loretto.
St. Joseph	Mercer	420	19	.....	.....	.....	.....	.....	.....	.....	3.27	−0.56	1.00	0	7	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6	Mercer	420	19	.....	.....	.....	.....	.....	.....	.....	2.45	−1.06	1.43	0	9	13	9	9	s.	Miss Ruth Ratta.
Shepherdsville	Bullitt	505	41	74.4	−0.8	96	27	54	15	33	3.28	−0.59	1.28	0	8	24	4	3	.....	Elizabeth H. Bourne.
Taylorsville	Spencer	480	31	72.5	−1.8	90d	1†	52d	15	30d	2.70	−0.96	1.22	0	9	.....	.....	.....	.....	H. E. Vaughn.
Tyrone, Lock 5†	Anderson	526	15	.....	.....	.....	.....	.....	.....	.....	4.95	+0.76	2.40	0	9	24	0	7	w.	Miss Nettie B. Simpson.
Williamstown	Grant	913	30	76.4	+2.2	89	2	53	15	35	2.31	−2.19	1.16	0	6	.....	.....	.....	.....	H. J. Lewis.
Woodburn, Lock 4	Butler	533	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	
Eastern Division.																				
Annville	Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.73	.....	1.19	0	9	10	11	10	sw.	W. A. Worthington.
Ashland	Boyd	534	14	74.0	−1.5	95	1	57	15	26	6.58	+2.40	3.97	0	10	13	3	15	w.	Jacob Armbruster.
Ashland	Madison	1050	28	74.6	−0.2	92	1†	55	5	30	2.82	−0.76	2.05	0	9	17	9	5	sw.	Robert S. Smallwood.
Berea	Madison	1051	23	.....	.....	.....	.....	.....	.....	.....	3.51	−0.66	1.17	0	9	.....	.....	.....	.....	Chas. C. Graham.
College Hill, Lock 11	Madison	691	23	.....	.....	.....	.....	.....	.....	.....	1.58	−3.09	0.69	0	6	.....	.....	.....	.....	Emily Walden
Frankfort	Harrison	694	15	.....	.....	.....	.....	.....	.....	.....	3.53	+0.10	1.60	0	10	.....	.....	.....	.....	P. H. Kehoe.
Frankfort	Pendleton	660	44	.....	.....	.....	.....	.....	.....	.....	3.75	−0.07	1.81	0	6	8	15	8	e.	J. W. Oldham.
Frankfort	Lewis	668	25	73.0	−0.8	95	1	52	15	35	1.66	.....	1.58	0	8	.....	.....	.....	.....	Mrs. R. F. Stamper.
Georgetown	Scott	841	8	.....	.....	.....	.....	.....	.....	.....	2.39	−2.13	0.78	0	9	.....	.....	.....	.....	C. A. Glascock
Grassy Lick	Clark	925	17	.....	.....	.....	.....	.....	.....	.....	5.13	.....	2.04	0	6	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	850	8	.....	.....	.....	.....	.....	.....	.....	4.55	+1.95	1.40	0	13	.....	.....	.....	.....	Col. Frank Powers
Greenup, Dam 30	Greenup	540	13	.....	.....	.....	.....	.....	.....	.....	2.77	.....	0.74	0	8	16	11	4	sw.	T. Mitchell.
Hanlon	Hanlon	1156	5	73.5	.....	90e	11	56e	17	25e	4.65	.....	1.00	0	8	.....	.....	.....	.....	W. W. Dudfield.
Harlan	Perry	850	9	.....	.....	.....	.....	.....	.....	.....	3.11	−1.41	1.04	0	14	10	7	14	w.	Chas. O. Thrig.
Heyburn	Lee	664	16	74.3	.....	94	3	53	15	33	7.67	+3.18	5.47	0	7	.....	.....	.....	.....	S. C. Cole.
Hindman, Lock 14	Knott	1035	5	73.5	.....	90e	1	52e	18	36	2.66	.....	0.62	0	7	.....	.....	.....	.....	
Jamestown	Letcher	1355	9	.....	.....	.....	.....	.....	.....	.....	3.08	−0.81	2.03	0	5	.....	.....	.....	.....	R. R. Davidson.
Lancaster	Lawrence	584	29	.....	.....	.....	.....	.....	.....	.....	7.67	+3.18	5.47	0	9	.....	.....	.....	.....	Rossian Corley.
Lawrenceburg	Anderson	.....	13	.....	.....	.....	.....	.....	.....	.....	5.20	+1.24	1.41	0	12	10	8	10	se.	Emanuel H. White.
Maysville	Mason	524	36	74.0	−1.6	94	1†	53	15	35	4.07	−0.18	1.05	0	13	15	14	2	.....	Perry E. Bennett
Middlesboro	Bell	1128	37	73.8	+0.6	98d	20	52d	15	43d	2.45	−1.66	0.61	0	7	.....	.....	.....	.....	Matthew Woodson
Mount Sterling	Montgomery	930	43	74.6	+0.6	95e	1	51e	15	37e	3.73	−0.90	1.55	0	8	.....	.....	.....	.....	W. R. McKee.
Owenton, Dam 5	Campbell	497	6	.....	.....	.....	.....	.....	.....	.....	1.89	.....	0.43	0	8	.....	.....	.....	.....	Otto Riddle.
Pikeville	Floyd	656	.....	.....	.....	.....	.....	.....	.....	.....	0.65	−2.26	0.25	0	4	.....	.....	.....	.....	Eugene Daniel, Jr.
Pikeville	Pike	646	27	.....	.....	.....	.....	.....	.....	.....	2.80	.....	1.15	0	9	22	2	7	.....	Robert Rogers.
Pineville	Knott	1035	.....	74.4	.....	96e	1	52e	18	36	2.64	.....	0.78	0	5	.....	.....	.....	.....	T. W. Summerfield.
Prestonsburg	Floyd	702	7	73.8	.....	99	1	53	15	35	2.45	−2.29	0.95	0	7	.....	.....	.....	.....	R. W. Jones.
Richmond	Estill	692	15	.....	.....	.....	.....	.....	.....	.....	1.65	−1.95	0.89	0	5	16	6	9	.....	Walter P. Bush.
Salyersville	Magoffin	726	42	74.6	−0.7	92	28	58	5	24	2.17	−1.66	1.15	0	8	.....	.....	.....	.....	W. Cheeke.
Salyersville, Dam 9	Magoffin	541	29	.....	.....	.....	.....	.....	.....	.....	6.02	+2.09	1.96	0	10	.....	.....	.....	.....	Thos. Sullivan.
Somerset, Dam 32	Pulaski	740	13	.....	.....	.....	.....	.....	.....	.....	1.73	.....	0.40	0	4	.....	.....	.....	.....	H. M. Frantin.
Williamsburg	Whitley	1102	8	.....	.....	.....	.....	.....	.....	.....	3.37	+0.31	2.83	0	9	18	3	10	.....	G. H. Zimmerman.
Williamsburg	Whitley	1102	36	75.7	−0.3	98	12†	54	15	36	5.27	+1.81	2.83	0	9	.....	.....	.....	.....	H. F. Davis.
Williamstown, Lock 13	Grant	611	44	.....	.....	.....	.....	.....	.....	.....	2.94	−1.72	0.54	0	7	.....	.....	.....	.....	
Wilmore	Jessamine	.....	.....	73.7	−0.9	99	21	51	15	43	3.26	−0.43	3.22	0	8	13	6	15	s.	Cleveland Angel

All departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. The departures from a normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published. The departures from a normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published.

Daily Precipitation for August, 1933.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Division																																
Beaverdam	.08	.10								.26							1															
Belcrum																																
Burlington			T.	T.				T		T	.08							.08														
Cloverport				.44	.14					T	.04																					
Greenville		.49	T							T	.28		.15																			
Henderson		.36	.42								.52	.07																				
Hopkinsville			.45	.06				.04			.22		.07			T.																
Owensboro		.25	.20							1.34																						
Paducah																																
Saylsville		.60	.86							1.10																						
Tarrar	T.	2.24	.47				T.				.32		T.																			
Owensboro			.62							.11																						
Owensboro, Dam 46			.65							.06																						
Paducah			1.03	.29																												
Paducah (near)								.04		1.00			.03																			
Princeton		.41								1.44																						
Ramsey, Lock No. 2		.68	.36					.01		T.	.40		.02			.01	.02															
Rockcliff			.06							.03																						
Rosetown			.20	.5							.10		.02				.83															
Rosetown, Dam 49			.68	.33						.02	.23						.05															
Central Division																																
Addison, Dam 45			.13	.05	T.			T		.07	1.98						.06															
Bethenge		.16	.18				.71	.06									T															
Bowlingstown				.02						.20	.02					.05	.10															
Bowling Green		1.78	T.	.15							.02		.02				.06															
Bowlingsville, No. 2	.10	1.67	.03	.03							.21		.08				.50															
Brownsville, Lock No. 6			.33	.03							.07		.03				3.18															
Brunsdale			1.20							3.22	.02		.06				.85	.25														
Carrollton (Lock No. 1)			.32														.02															
Cold Spring, Dam 36		T.	.56	.56				.12	.07	.58	T.	.32	T.				.46															
Danville		.01	1.13	.15				.05		.42	.37																					
Dix Dam, Burgin		.33	.03								.67						.12															
Elkhorn				.65						4.08							.31															
Frankfort	.01	.07	.65					.26	.21																							
Franklin			.04	.41					.31	.05		.30					.51															
Frost, Lock No. 3			.01	.20				.06	.15	.40	.05							.12														
Glasgow	.60	.02	1.06	.17			T.		.17	.04	.20		.03				1.21															
Grant, Dam 32			1.12	T.					.02	.24	.80	.21						.50														
Greensburg			.12	.37						.02	3.50			.01			.79															
High Bridge, Lock No. 7			.57	.77	.02		T.			.12							.08	.03														
Lexington		.03	.27	T.		T.	T.	T.	T.																							
Lancaster		.40	.60					.03	.40				T.				.01															
Litchfield	.03		.03	.67					.01	1.15							.15															
Lexington	.10	.20	1.30	.01				.03	.04	T.		T.					.12															
Little Hickman, Lock No. 8	T.		.02	.56	T.				.19	.56			T.				.10	T.														
Lockport, Lock No. 2			T.	.41				.16	.35	.20	T.		T.				.20															
Louisville		.62	.10	T.		T.	.14	.21	.74		T.						.24															
Lunsford																		.08														
Lydon		T.		.10	T.				.15	2.55							.01															
Lyons, Lock No. 6		T.	.50	.90	.05				T.	.15							.12	T.														
Melbyville	.02		.01	.10																												
Taylorsville	.65	T.	.05	.53				.01	.12	.12							.17															
Throne, Lock No. 5	.03	.35	1.22	.05				.48	1.28								T.			.03												
Williamstown				.10				.10	.01								.43															
Woodbury, Lock No. 4		.24	.19	.20					.50	.75	.01	.42						.50	.06													
Eastern Division																		.42														
Annville			1.19	.60						.17	.93			.41				1.14	.02													
Ashland			.73	.95						.15	.06			.37			.07	.26	.19													
Ayon			2.08	.16							.37																					
Berea College Hill, Lock No. 11			1.67	.97	T.			T.	.05	.25	.60						.11															
Bethania	T.		.05	.80				T.		.53		T.					.05															
Booneboro			.72	.20					.85	.37	T.	.05					.04															
Carrollsburg			1.05	.51						.63							.11	.51														
Catlettsburg		.24		.55					.20		.05						.41															
Cold Lock No. 10	T.		.44	.75	T.			.07	T.	.16	.02	T.		T.		.10	.41														
Greysond																																
Grayson, Dam 30			1.08							.42						2.09		.46														
Harlan			.51	.40						.12	.02	.01	1.00			.13	.07	.98														
Hazard		T.	1.61	.80							.05		.10			.17	.33															
Hiddenberg, Lock No. 14			.74	.30							.40		.10			.04																
Hitchins		.04	.23	.67				.04	.27	.27		T.	.07				.33	T.														
Ilisa		.52				.10							.30		.10		.20															
Winchester				.65						.15			2.03																			
Lancaster			.06	.76						.26	1.02																					
Lawrenceville		.14	1.20	.49				.16	.02	.24	.20		.77			T.	5.47	.25														
Middlesboro		.06	.70	.15					.18	1.05		.02	.14		.75	.21	.03															
Mount Sterling	.84	.03	.85	.08																												
Monticello			.72	.28			T.	.14	.22	T.	.21		.23			.26	.08															
Nicholasville			.46	.48					.10				.06				.02	.14														
Owensville			.32	.35				T.	.12	T.			T.				T.															
Pineapass			.03	.42						.29		.06	.06		.15		1.15															
Pleasant				.58					.08				.78					.25														
Pikeville		T.	.95	.17	T.			.10	.14	.28			.1				T.	T.														
Quicksand			.10	.88			T.		.27	T.			T.																			
Quicksburg, Dam 35			1.15					.04	.40							.05															
Rockcastle, Dam No. 32		.50	1.10	1.07						.25	.08		1.90				.09	.80														
Rockcastle				.42				T.		.25			.28		T.																	
Williamsburg	.10		1.49	1.18						2.53			.18				.46	.32														
Yellow, Lock No. 13	.23	.40					.06	.29	.54				.10				.10															

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

(‡) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

Daily Temperatures for August, 1933.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	98	96	90	80	82	89	89	90	90	95	89	94	94	84	83	85	93	92	93	86	88	87	86	87	98	95	97	87	87	87	82	89.3
	Minimum	72	71	70	65	57	66	65	71	70	69	71	72	62	57	51	54	63	62	63	54	58	67	58	58	61	59	60	69	65	66	68	63.0
Calhoun	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Earlington	Maximum	94	93	97	77	84	88	89	89	93	91	89	94	89	83	85	88	86	89	86	89	90	91	88	88	91	94	96	89	81	85	84	88.7
	Minimum	74	73	71	60	58	57	66	72	70	77	71	70	73	57	52	53	66	66	65	58	59	88	57	57	59	62	65	66	64	66	64	64.3
Greenville	Maximum	94	90	87	79	82	87	87	87	90	89	87	90	89	84	89	85	89	88	89	89	88	91	91	90	88	89	94	94	96	81	80	87.1
	Minimum	71	71	69	64	57	55	64	71	69	74	69	67	71	56	50	51	61	61	58	53	60	63	63	57	58	60	65	78	62	63	64	62.9
Henderson	Maximum	92	93	86	67	86	88	86	90	89	89	91	91	86	84	87	85	90	86	89	91	91	90	88	89	94	94	96	81	80	86	86	88.2
	Minimum	74	71	70	58	56	62	71	72	70	71	71	66	65	56	60	65	66	58	59	62	62	60	61	63	64	64	68	68	60	63	64	64.6
Hopkinsville	Maximum	96	89	88	81	86	88	89	86	94	91	89	93	86	86	85	81	89	87	91	83	85	87	90	10	87	93	96	99	86	87	86	89.5
	Minimum	72	71	68	66	60	57	65	70	69	74	69	67	72	57	54	55	62	63	58	58	55	67	66	62	59	59	62	74	70	64	66	64.2
Lovelaceville	Maximum	91	92	84	80	82	86	89	91	93	92	87	91	85	85	81	85	87	91	83	85	87	89	86	91	92	96	98	80	78	80	85	87.3
	Minimum	71	71	70	65	60	67	69	71	70	74	69	68	68	57	63	56	64	65	58	57	65	67	61	57	58	61	63	71	65	66	60	64.2
Marion	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Mayfield	Maximum	90	90	87	84	81	85	85	85	87	87	...	87	82	78	79	83	84	84	84	84	85	85	85	86	89	89	86	84	80	...	...	879.1
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Murray	Maximum	96	95	85	77	84	89	90	90	93	94	88	94	85	84	86	90	85	92	87	89	91	91	87	90	92	93	96	95	86	88	88	89.1
	Minimum	70	71	68	65	59	56	63	69	68	72	68	68	64	56	52	55	64	62	57	55	59	65	60	55	58	62	62	70	64	66	66	62.6
Owensboro	Maximum	90	88	76	75	78	81	83	87	87	87	86	89	84	79	81	82	81	83	84	85	88	90	84	85	84	86	90	90	86	77	76	83.8
	Minimum	72	72	69	64	59	61	70	71	68	71	70	64	71	69	55	55	64	63	59	59	64	67	62	60	61	60	61	67	63	65	64	64.2
Paducah (near)	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Princeton	Maximum	96	88	85	76	85	90	90	90	93	98	89	95	87	80	86	90	87	90	88	89	91	91	89	89	92	94	96	83	79	84	87	88.5
	Minimum	71	73	69	67	62	61	66	71	72	75	70	69	71	62	60	66	66	65	59	61	67	67	65	65	62	62	64	65	70	65	67	66.2
Russellville§§	Maximum	95	94	85	72	72	86	83	85	92	88	86	92	82	86	81	87	83	88	86	87	87	88	85	85	85	86	89	89	85	85	85	85.7
	Minimum	72	70	69	68	59	56	65	68	69	73	70	68	72	58	61	52	64	63	57	54	60	65	60	55	58	60	62	70	64	65	65	63.2
Central Division.																																	
Anchorage	Maximum	90	89	85	76	80	83	86	84	86	83	83	83	83	76	81	82	83	85	81	85	87	86	86	85	89	91	93	84	83	74	73	83.7
	Minimum	70	70	68	63	57	55	68	71	70	69	69	67	67	56	55	54	59	60	59	59	60	62	60	59	61	65	66	82	84	75	73	62.6
Bardstown	Maximum	96	97	91	82	85	90	90	89	91	86	88	94	88	83	86	89	87	89	89	90	92	90	90	90	92	95	96	82	84	75	83	88.6
	Minimum	70	70	70	65	55	55	65	69	69	70	67	62	57	52	55	60	56	56	60	64	63	59	60	64	62	57	57	59	61	62	66	60	62.4
Bowling Green	Maximum	92	88	86	76	81	85	88	86	91	88	90	93	83	82	83	86	83	88	85	85	87	85	85	84	87	90	92	82	80	83	82	85.6
	Minimum	70	68	72	65	60	59	64	68	69	72	72	69	71	61	56	58	64	63	64	60	62	66	63	63	61	63	64	70	64	66	67	64.9
Danville	Maximum	92	92	88	74	79	86	86	83	90	87	86	90	85	78	79	84	84	86	83	84	86	83	85	85	88	90	92	79	70	72	82	84.1
	Minimum	69	71	69	64	56	59	65	67	67	70	67	68	69	60	59	58	58	59	59	52	59	60	62	61	60	58	58	61	61	58	61	62.3
Dix Dam	Maximum	94	91	90	86	80	88	90	90	93	94	88	91	88	88	89	90	86	90	84	86	88	90	84	88	90	91	94	97	72	86	78	86.8
	Minimum	69	72	62	66	57	58	62	70	70	72	70	72	74	58	64	58	66	60	58	58	61	78	70	60	62	72	73	58	62	62	62	64.4
Eubank	Maximum	92	89	85	84	80	82	78	84	84	81	83	87	81	74	80	82	84	82	82	83	82	82	82	87	87	89	91	87	84	79	81	83.4
	Minimum	66	70	66	64	57	58	59	61	67	66	65	65	67	60	54	56	65	60	54	57	59	64	62	57	57	59	61	62	57	57	61	61.4
Frankfort	Maximum	93	94	90	79	81	88	88	87	87	87	87	91	86	83	83	88	85	89	87	85	88	87	89	89	92	95	96	84	83	78	80	87.0
	Minimum	73	70	65	56	56	62	62	70	69	71	71	67	73	59	53	55	58	61	59	57	60	64	62	60	61	61	62	65	60	63	66	62.9
Franklin	Maximum	96	94	91	91	82	92	92	90	93	95	91	96	93	85	84	91	88	94	88	87	91	88	88	87	93	94	97	90	81	86	90	90.4
	Minimum	74	71	71	66	60	58	66	69	70	75	73	69	69	60	55	56	66	65	60	58	61	66	62	62	66	67	72	64	64	67	68	65.4
Glasgow	Maximum	89	87	84	77	78	81	83	83	82	85	83	87	80	77	78	81	81	85	80	82	85	83	82	81	86	87	87	82	77	80	78	82.3
	Minimum	71	72	70	67	61	59	68	69	70	77	70	67	66	61	58	64	65	64	59	55	56	62	64	57	57	59	61	62	57	57	61	61.4
Greensburg	Maximum	95	96	87	75	82	89	91	86	95	85	89	93	84	83	81	88	88	89	85	86	87	90	91	93	95	93	82	81	86	87	84	87.4
	Minimum	69	69	68	65	56	56	64	66	66	71	67	67	70	59	53	54	54	58	57	53	55	58	56	55	56	59	60	68	59	60	61	61.8
Irvington	Maximum	91	90	86	78	80	84	85	85	88	84	84	88	85	78	80	82	83	85	83	85	85	85	85	82	86	89	90	84	86	74	74	83.7
	Minimum	69	69	68	65	56	56	64	66	66	71	67	67	70	59	53	54	54	58	57	53	55	58	56	55	56	59	60	68	59	60	61	61.8
Leitchfield	Maximum	91	92	86	74	80	85	86	86	90	85	84	90	81	77	82	84	84	86	83	85	87	85	85	85	89	90	93	81	80	79	77	84.5
	Minimum	72	70	70	65	59	60	66	71	70	71	70	72	69	74	60	55	57	64	65	59	60	63	66	65	64	64	66	63	64	67	67	64.6
Lexington	Maximum	91	90	87	72	74	85	86	82	86	85	85	89	84	79	80	85	85	86	83	84	87	87	85	83	89	90	92	72	80	74	79	83.7
	Minimum	70	71	68	63	54	58	64	67	67	70	70	68	70	59	52	56	61	65	57	57	60	62	64	62	62	62	64	68	59	62	63	62.9
Louisville	Maximum	92	91	86	78	82	85	86	86	86	83	85	88	81	80	83	84	84	86	83	86	88	88	89	87	86	85	85	88	89	93	80	84.6
	Minimum	77	76	68	64	60	62	68	70	72	71	72	72	63	62	59	60	65	66	60	68	68	86	86	85	85	88	89	93	80	79	76	78	85.5
St. John	Maximum	92	92	89	79	81	82	85	87	91	86	87	92	83	79	82	86	86	88	86	88	89	87	86	85	85	88	89	93	80	79	76	78	85.5
	Minimum	70	70	69	63	56	58	59	71	67	70	67	66	71	57	54	56	60	60	56	55	56	65	61	59	60	60	62	68	63	63	64	63.2
Shelbyville	Maximum	94	90	88	74	79	84	85	86	89	85	85	89	82	86	86	85	88	86	85	89	86	87	86	86	92	94	96	77	83	76	74	83.8
	Minimum	71	72	70	63	57	58	65	70	70	71	69	69	71	58	54	55	60	61	57	56	58	64	63	62	62	63	64	68	64	66	67	64.4
Taylorsville	Maximum	90	89	87	76	78	83	84	87	...	84	...	87	82	77	79	81	83	...	85	86	87	86	85	85	89	90	93	75	78	72	...	802.1
	Minimum	70	72	71	65	57	56	64	69	...	68	...	67	71	59	52	54	57	...	56	56	60	64	61	58	58	60	61	65	65	63	...	787.0
Williamstown	Maximum	97	99	90	79	83	84	90	86	95	93	93	96	83	85	89	92	92	90	89	89	92	89	91	89	91	93	96	82	87	80	80	89.9
	Minimum	71	74	70	68	57	58	62	70	68	69	69	63	65	57	55	57	59	62	57	57	60	63	60	63	62	65	66	66	67	67	63	63.0
Eastern Division.																																	
Ashland	Maximum	95	91	92	75	79	82	85	77	81	87	85	89	87	83	80	82	86	86	82	82	84	79	85	91	90	90	91	83	78	78	73	83.6
	Minimum	72	71	71	66	57	59	61	67	65	71	73	64	69	67	58	62	62	62	61	61	63	64	66	64	65	66	64	65	66	64	64	64.4
Beren	Maximum	92	92	88	72	79	84	86	79	85	85	89	89	84	80	81	84	85	85	84	87	90	87	87	87	91	92	94	88	80	72	79	84.7
	Minimum	72	78	69	64	58	59	69	69	70	73	67	70	70	61	55	59	61	64	60	58	60	62	62	62	64	66	66	65	62	62	62	64.4
Farmers	Maximum	93	91	88	70	80	87	85	79	89	85	87	90	87	82	79	88	89	87	83	83	87	81	85	86	89	92	94	87	80	72	79	85.0
	Minimum	67	71	67	64	55	56	64	66	69	70	61	65	62	62	57	56	60	61	58	57	62	63	64	64	66	66	66	67	60	61	58	62.7
Harlan §§	Maximum	90	89	89	76	79	82	83	83	85	86	81	86	81	78	76	80	82	84	81	84	86	87	88	87	88	90	92	84	87	83	87	85.6
	Minimum	70	69	67	69	60	60	56	58	66	70	64	66	68	65	57	62	63	64	64	61	63	86	86	90	84	87	83	86	90	89	79	80	74	84	75.6
	Maximum	92	93	94	80	73	82	86	82	89	88	88	92	83	83	79	87	86	85	86	86	90	84	87	83	86	90	94	87	83	82	86	86	63.0
Heidelberg	Minimum	69	71	68	67	59	58	62	65	66	70	70	70	66	66	63	63	61	58	64	60	60	60	62	62	60	61	61	60	61	62	64	57	55	63	61.6
	Maximum	94	92	85	76	78	82	86	81	85	86	92	92	88	85	83	91	88	87	86	86	88	86	87	86	90	92	94	93	88	82	76	78	86.3
Maysville	Minimum	69	73	67	65	54	56	59	69	65	70	70	67	69	60	53	56	57	60	58	55	59	60	61	60	61	62	64	57	55	53	63	61.6
	Maximum	93	90	82	79	84	87	...	93	92	85	88	90	81	...	85	88	79	89	91	98	93	86	...	87	90	93	91	80	74	72	...	877.6
Middlesboro	Minimum	68	68	65	68	60	58	68	64	68	65	65	66	...	62	62	62	61	60	59	59	62	62	60	60	59	62	58	62	66	61	...	802.6
	Maximum	95	94	92	76	82	85	88	83	91	89	90	92	83	85	88	89	89	89	85	84	88	...	...	...	...	...	...	...	...	...	...	787.4
Mount Sterling	Minimum	68	70	67	63	55	58	59	65	66	68	69	64	66	58	51	58	58	60	58	57	61	...	...	...	...	...	...	...	...	...	...	761.9
	Maximum	96	95	92	76	82	88	89	86	93	87	84	...	92	84	83	87	90	88	87	...	91	91	91	90	94	88	85	91	93	81	83	78	85	87.6	781.6
Pippapass	Minimum	69	69	66	66	61	58	58	57	65	70	67	69	62	62	52	73	60	60	60	...	61	61	61	60	57	59	60	61	63	61	60	57.6	760.6
	Maximum	95	94	89	78	81	86	86	83	87	84	...	92	84	83	87	88	86	85	88	90	94	88	85	91	93	81	83	78	85	87	90	84.0	784.0
Quicksand	Minimum	70	70	67	65	59	57	57	58	62	56	60	58	64	62	53	61	60	61	60	58	59	59	60	60	56	57	58	61	62	75	80	73	74	65.7	705.7
	Maximum	87	90	88	87	72	79	82	86	84	85	84	89	82	82	80	89	85	83	81	87	86	87	86	87	90	92	93	87	84	82	87	84.7	781.7
Richmond	Minimum	74	74	66	66	58	61	67	69	68	70	69	70	72	62	59	61	65	64	61	61	62	65	65	63	66	64	67	70	63	64	67	67	65.7	698.7
	Maximum	90	95	88	80	86	88	90	91	98	95	91	96	88	87	86	85	87	89	90	91	90	89	90	94	96	83	80	73	82	83	84	84.0	784.0
Williamsburg	Minimum	68	65	68	63	60	60	63	69	65	66	63	68	65	61	51	57	61	60	60	59	62	64	63	62	61	64	60	62	68	63	64	62.7	705.7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* 5 etc. indicates respectively 1, 2, 3 etc. days missing from record.

W. B. O. Louisville 9-25-33 1500

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XXXVIII LOUISVILLE, KY., SEPTEMBER, 1933 No. 9

GENERAL SUMMARY.

Temperatures above normal almost daily, and abundant moisture in most districts, promoted unusually rapid growth of late crops. Much late corn and tobacco that had been considered hopeless in the early summer had so far developed by the end of the month that complete maturity and ripening seemed assured. The highly favorable weather for growth also greatly improved other corn and tobacco that would not have come to satisfactory maturity under normal conditions. This late growth occurred most generally in the hilly sections, where planting of corn and setting of tobacco had been delayed by dry weather until too late to insure a crop.

Prolonged shower periods early in the month, near the middle, and in the last week kept tobacco growing and delayed ripening. These spells of dampness, complicated by persistent cloudiness, fog, and high temperature caused damage by sweating in barns. Farmers quite generally resorted to heating of barns to prevent extensive injury. In the intervals between the rainy periods the dry weather and abundant sunshine corrected the unfavorable situation in time to obviate most loss. Rankness of growth resulted in many places from too much rain.

Temperatures in the dry periods were often too high for best results with late potatoes, but the rains caused general improvement in most of the crop. Near the middle of the month heavy rains reached the dry district in the extreme northern counties in time to help potatoes and other late crops. Tomatoes came to bearing late and were injured by the rains while ripening. Except in some extreme northern districts and a part of the southeastern section, pastures remained good during the month. Heavy to excessive rains in the central counties brought luxuriant growth of grass. Cowpeas, soybeans, and alfalfa made excellent crops. During the dry weather conditions for cutting and curing were unusually favorable, but some loss was occasioned by the rains. Except in the southeastern counties, the soil usually contained enough moisture for plowing and conditioning. The excess heat developed cotton exceptionally well for the extreme north edge of its district.

TEMPERATURE.

Average daily temperatures ranged from 5° to 10° above normal and maxima from 85° to 95° in the periods 5-19th, 23d-26th, and on the 30th. Only two days were relatively cool, the 21st and 28th. The mean temperature for the State was only slightly below the average for the preceding month. The extremes were 98° at Beaver Dam, Hopkinsville and Franklin on the 16th and 40° at Greensburg on the 21st.

PRECIPITATION.

The rainfall for the State exceeded the average by more than 2.0 inches; yet considerable areas, mainly in the south-central and southeastern counties, received much less than the normal amount. In a northeast-southwest belt from the Purchase to the northern blue grass region 5.0 to 8.0 inches occurred at most stations. A few stations between Salt River and the upper Licking reported 8.0 to 10.0 inches. The rain fell off sharply toward the Ohio and southeast of this wet section. In counties along the Ohio from Cincinnati to the mouth of the Wabash amounts ranged from 2.5 to 4.5 inches and in the southeastern counties from 2.0 to 4.0 inches. The rains occurred principally in the periods 2d-5th, 12-15th, and 25-29th, with heavy to excessive local rains irregularly distributed through each. As a rule the heaviest downpours occurred on the 3d, 4th, 13th, 14th, 25th and 26th. Monthly amounts varied between 1.73 inches at Middleboro and 13.75 inches at Salvisa in Mercer County. Thunderstorms were reported on the following dates: 2, 3, 10, 11, 12, 13, 14, 17, 19, 24, 25, 26, 27, 28.

MISCELLANEOUS.

Rivers.---The heavy rains in the first week caused moderate rises in the Ohio and tributary streams, otherwise pool stages prevailed.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date	Relative humidity 7 a. m.	1 p. m.	7 p. m.	Percentage of possible.
Cairo ..... Ill.	29.64	30	14	1	29.70	11	6.3	51	sw.	27	89	63	74	73
Cincinnati ..... Ohio	29.56	30	13	5	29.65	11	5.9	25	nw.	19	86	57	66	67
Evansville..... Ind.	29.95	30	11	5	29.66	11	7.2	27	sw.	25	81	55	66	67
Louisville ..... Ky.	29.98	30.15	5	5	29.69	11	8.0	35	n.	10	82	55	64	68

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature. Mean.	Departure.	Highest	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days. Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889 ..	72.1	+1.5	101	36	1.23	−1.70	12.40	2.47	..	..	..	..	
1890 ..	67.0	−3.6	95	36	3.71	−0.22	7.40	1.43	..	..	..	..	
1891 ..	69.5	−1.1	95	42	1.80	−1.04	3.30	0.25	..	..	..	..	
1892	67.5	−2.1	93	38	2.68	−0.25	5.18	0.6	..	..	..	..	
1893	69.6	−1.0	99	29	3.24	+0.31	8.20	1.16	..	..	..	..	
1894	71.7	+1.1	98	37	3.71	−0.22	4.89	1.23	..	..	..	..	
1895	73.4	+2.8	101	27	1.10	−1.83	1.85	T.	0	..	13	7	10
1896	68.6	−2.0	100	29	3.77	+0.84	8.50	0.37	0	..	13	9	8
1897	72.8	+2.2	103	31	0.21	−2.72	1.20	T.	0	1	22	6	2
1898	73.4	+2.8	103	42	4.36	+1.43	9.36	1.76	0	1	15	9	5
1899	68.7	−1.9	105	27	1.40	−1.27	4.57	0.05	0	5	18	4	3
1900	74.6	+4.0	102	35	2.25	−0.68	6.85	0.60	0	5	15	7	8
1901	68.1	−2.5	98	33	3.57	+0.64	6.43	1.46	0	6	16	7	7
1902	67.3	−3.3	97	29	4.01	+1.08	9.21	1.18	0	6	16	5	10
1903	69.1	−1.5	100	32	0.91	−2.02	3.43	T.	0	1	21	6	3
1904	71.1	+0.5	99	34	2.58	−0.35	7.65	0.50	0	4	15	7	7
1905	70.2	+0.4	95	36	2.61	−0.32	6.13	0.42	0	5	16	6	7
1906	73.0	+2.4	99	45	6.10	+3.22	10.56	2.55	0	6	11	7	12
1907	69.1	−1.5	102	25	3.00	+0.07	6.76	0.45	0	13	17	8	5
1908	71.6	+1.0	101	36	1.05	−1.90	3.24	4.45	0	5	17	7	4
1909	67.7	−2.9	97	32	2.51	−0.42	5.79	0.80	0	5	16	7	7
1910	71.8	+1.2	99	38	4.41	+1.48	8.55	1.05	0	6	14	7	9
1911	74.3	+3.7	99	46	3.71	+0.78	7.46	0.40	0	9	13	8	9
1912	73.0	+0.4	103	33	2.80	−0.13	4.95	1.20	0	10	18	6	6
1913	69.6	−1.0	103	29	2.49	−0.64	4.57	1.27	0	7	17	7	6
1914	67.8	−2.8	97	36	2.19	−0.94	6.04	1.63	0	9	18	7	5
1915	70.7	+0.1	99	32	3.32	+0.20	10.15	1.31	0	6	17	7	6
1916	67.2	−3.4	98	32	3.18	+0.06	7.80	1.02	0	7	20	5	5
1917	67.7	−2.9	94	34	2.56	−0.87	5.62	0.55	0	5	16	6	8
1918	67.2	−3.4	98	32	2.94	+0.01	7.18	1.92	0	7	15	6	9
1919	71.6	+0.9	102	39	4.05	+1.12	9.65	0.66	0	8	12	8	10
1920	72.8	+2.2	96	38	3.30	+0.37	6.73	1.16	0	1	16	6	7
1921	73.5	+2.9	99	45	5.37	+2.44	9.32	2.93	0	10	15	7	8
1922	72.7	+2.1	103	39	2.22	−0.51	4.41	0.78	0	13	20	5	5
1923	70.4	−0.2	93	37	2.87	−0.06	5.34	0.46	0	6	17	7	6
1924	68.3	−2.3	97	35	4.20	+1.27	7.27	1.77	0	11	15	8	7
1925	77.2	+6.6	110	43	2.83	−0.10	6.18	0.70	0	5	17	7	6
1926	73.5	+2.9	98	40	5.25	+2.32	8.88	2.00	0	9	15	8	7
1927	72.2	+1.6	103	39	2.87	−0.06	8.55	0.27	0	6	16	7	7
1928	65.5	−5.1	95	23	0.81	−2.12	4.04	0.15	0	5	15	7	8
1929	69.5	−1.1	97	35	1.69	−1.24	3.54	1.83	0	11	15	6	9
1930	72.6	+2.0	101	35	2.10	−0.83	6.87	0.35	0	5	17	7	6
1931	75.1	+4.5	103	38	2.75	−0.18	5.91	1.02	0	5	20	6	4
1932	69.5	−1.1	103	34	5.36	+2.43	10.16	0.7	0	8	16	6	8
1933	74.3	+3.7	98	40	5.93	+3.00	13.75	1.73	0	9	17	6	7
Period	70.6	.....	110	24	2.93	.....	13.75	0.05	0	7	16	7	7

Climatological Data for September, 1933.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	29	75.8	+ 4.9	98	10	41	21	44	3.27	+0.59	0.90	0	7	21	5	4	s.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	29	....	....	97	10	....	....	....	2.87	+0.09	0.67	0	9	15	10	5	sw	W. A. Taylor.
Earlington	Hopkins	420	43	76.6	+ 5.2	97	10	43	21	37	3.79	+0.91	0.73	0	12	17	5	8	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	4	....	....	....	....	....	....	....	4.27	....	1.40	0	13	....	....	....	....	W. D. Hatcher.
Greenville	Muhlenburg	519	16	*75.8	+ 4.8	95°	8	44°	23	45°	6.68	+3.27	2.03	0	9	15	14	1	s.	C. R. Lovell.
Henderson	Henderson	382	19	77.2	....	96	10	48	21	42	3.48	+0.69	1.06	0	7	19	4	7	w.	Richard Stites
Hopkinsville	Christian	524	37	76.5	+ 4.4	98	10	43	21	42	4.44	+1.29	1.10	0	13	12	1	17	....	W. E. Graves.
Lovelaceville	Ballard	....	4	75.4	....	95	24	41	21	45	7.75	....	1.90	0	7	21	5	4	s.	Blaine Malone.
Mayfield	Graves	364	24	....	....	94[a]	24	....	....	....	5.54	+2.48	1.74	0	6	18	9	3	sw.	Mrs. C. R. Sowell.
Murray	Calloway	412	7	75.8	....	96	9†	42	21	41	7.68	....	1.77	0	9	14	4	12	s.	Harry B. Arnold
Owensboro	Daviess	479	36	73.6	+ 3.1	91	10†	47	21	32	3.03	+0.10	0.94	0	12	16	4	10	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	5	....	....	....	....	....	....	....	8.11	....	0.90	0	19	....	....	....	....	George McGlemary.
Paducah (near) §	McCracken	516	16	....	....	....	....	....	....	....	7.54	+3.55	2.04	0	19	....	....	....	....	J. W. Lilley
Paducah	McCracken	341	44	....	....	....	....	....	....	....	6.07	+3.08	1.02	0	11	....	....	....	....	C. J. Rhodes.
Princeton	Caldwell	529	26	76.8	+ 5.8	96	8	55	22	35	6.25	+3.28	1.40	0	13	15	9	6	s.	Dr. W. L. Cash.
Ramsey, Lock 2 §	McLean	384	16	....	....	....	....	....	....	....	2.86	−0.53	0.58	0	8	....	....	....	....	Thos. L. Wetzell.
Russellville	Logan	590	22	*74.4	+ 2.5	93*	9	44[b]	21	31[b]	6.48	+3.65	1.97	0	8	16	7	7	n.	Wm. Shelton.
Uniontown, Dam 49	Union	357	5	....	....	....	....	....	....	....	4.19	....	1.84	0	9	....	....	....	....	Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	352	5	....	....	....	....	....	....	....	4.31	....	1.34	0	11	....	....	....	....	C. L. Moore.
Anchorage	Jefferson	700	32	72.2	+ 3.2	90	8	43	21	31	5.46	+2.75	1.33	0	8	17	10	3	sw.	C. E. Barret.
Bardstown	Nelson	637	36	75.0	+ 3.5	97	8†	43	27	45	9.76	+6.91	4.15	0	10	20	3	7	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	44	74	+ 2.6	92	9†	49	21	37	5.13	+1.79	1.37	0	11	16	5	9	s.	Mrs. LillieG. Causey.
Bowling Green, No. 2	Warren	469	8	....	....	....	....	....	....	....	5.42	....	1.83	0	10	....	....	....	....	T. Rone
Brownsville, Lock 6 §	Edmonson	410	16	....	....	....	....	....	....	....	7.31	+3.63	2.12	0	12	....	....	....	....	Virgil M. Whalin.
Burnside	Pulaski	773	42	....	....	....	....	....	....	....	1.94	−1.62	0.65	0	6	....	....	....	....	T. A. Lewis
Carrollton, Lock 1	Carroll	422	34	....	....	....	....	....	....	....	5.64	+2.70	1.64	0	6	....	....	....	....	Shelby Angel.
Cold Spring, Dam 36	Campbell	459	7	....	....	....	....	....	....	....	6.00	....	1.96	0	10	....	....	....	....	Reuben Hartley
Danville	Boyle	540	0	75.6	....	92	10	45	22	40	7.14	....	3.38	0	13	16	8	6	sw.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	5	75.6	....	96	8	47	21	39	7.56	....	2.26	0	9	14	10	6	sw.	C. W. Williams.
Eubank	Pulaski	1177	39	72.4	+ 3.9	92	8	42	22	42	3.00	−0.51	2.11	0	5	18	8	4	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	41	74.6	+ 5.4	96	8	46	21	37	5.61	+2.89	1.31	0	9	16	10	4	e.	Sidney Wood.
Franklin	Simpson	691	38	76.2	+ 5.9	98	10	48	21	40	3.26	−0.09	0.57	0	13	17	6	7	n.	M. E. Johnson.
Gest, Lock 3	Henry	449	22	....	....	....	....	....	....	....	5.04	+1.91	1.26	0	9	....	....	....	....	Louis Shiddell.
Glasgow	....	....	....	72.8	....	93	8	45	21	32	3.90	....	1.02	0	12	16	6	8	sw.	F. Everett Frei.
Gratz, Dam 38	Boone	780	8	....	....	....	....	....	....	....	2.21	....	0.42	0	10	....	....	....	....	H. W. Sprague.
Greensburg	Green	681	40	74.6	+ 5.0	97	10	40	21	43	1.77	−1.18	0.37	0	12	9	4	17	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	550	31	....	....	....	....	....	....	....	9.44	+6.47	2.32	0	11	....	....	....	....	Miss Ruby L. Simpson.
Irvington	Breckinridge	646	35	74.6	+ 4.3	91	10	46	21	32	6.48	+3.69	2.44	0	11	16	7	7	sw.	W. J. Piggott
Lancaster	Garrard	1032	7	....	....	....	....	....	....	....	2.99	....	1.40	0	11	....	....	....	....	Walter Killion.
Leitchfield	Grayson	695	37	76.0	+ 5.2	91	10	48	21	32	5.27	+1.80	1.80	0	9	18	6	6	sw.	H. H. Willis.
Lexington	Fayette	989	49	72.7	+ 4.2	91	8	47	21	28	5.47	+2.40	1.74	0	10	12	10	8	e.	U. S. Weather Bureau.
Littrell-Clinton, Lock 8§	Jessamine	823	22	....	....	....	....	....	....	....	4.85	+1.36	1.12	0	9	....	....	....	....	Horace Canter.
Lockport, Lock 2	Henry	476	28	....	....	....	....	....	....	....	5.46	+2.51	1.60	0	8	....	....	....	....	Frank Litch.
Louisville	Jefferson	525	60	75.6	+ 5.1	94	10	58	22	29	4.66	+1.88	1.26	0	10	18	6	11	s.	U. S. Weather Bureau.
Munfordville	Hart	660	19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	A. G. Hubbard.
St. John	Hardin	777	37	74.0	+ 4.7	95	10	44	21	40	7.32	+4.32	3.02	0	11	19	4	7	....	Sisters of Loretto.
Salvisa, Lock 6§	Mercer	490	19	....	....	....	....	....	....	....	13.75	....	4.25	0	11	....	....	....	....	Ernest M. Searcy.
Shelbyville	Shelby	825	41	74.2	+ 4.9	95	8	47	21	34	5.98	+3.26	1.40	0	10	20	2	8	s.	Miss RuthRatta,
Taylorsville	Spencer	489	31	*71.5	+ 3.4	89°	8†	46°	21	32°	6.88	+3.65	2.38	0	11	21	3	6	.....	Elizabeth H. Bourne.
Tyrone, Lock 5§	Anderson	526	15	....	....	....	....	....	....	....	7.09	+4.11	1.90	0	9	....	....	....	....	H. K. Vaughn.
Williamstown	Grant	923	30	75.0	+ 6.4	97	8	47	21	36	8.08	+5.12	2.30	0	10	16	0	14	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4 §	Butler	533	16	....	....	....	....	....	....	....	7.58	+4.66	1.76	0	12	....	....	....	....	H. J. Lewis.
Eastern Division.																				
Atnaville	Jackson	....	....	....	....	....	....	....	....	....	2.80	....	1.01	0	11	12	10	8	sw.	W. A. Worthington.
Ashland	Boyd	544	14	73.5	+ 3.1	93	9†	50	21†	35	3.10	+0.19	1.08	0	9	15	6	15	w.	Jacob Armbruster.
Berea	Madison	1070	28	75.9	+ 5.9	93	8	52	22	31	2.20	−0.56	0.67	0	11	18	6	6	sw.	Robert S. Smallwood.
College Hill, Lock 11	Madison	601	23	....	....	....	....	....	....	....	4.44	+1.13	1.60	0	7	....	....	....	....	Chas. C. Graham.
Cynthiana	Harrison	681	15	....	....	....	....	....	....	....	4.96	+1.44	1.35	0	9	....	....	....	....	Kelly Walden
Falmouth	Pendleton	690	44	....	....	....	....	....	....	....	5.67	+3.27	1.52	0	11	....	....	....	....	P. H. Kebos.
Farmers	Rowan	668	25	71.4	+ 3.2	94	8	42	21†	46	5.37	+2.37	2.00	0	8	16	7	8	e.	J. V. Oldham.
Flemingsburg	Fleming	841	8	....	....	....	....	....	....	....	6.08	....	2.20	0	8	....	....	....	....	Mrs. R. F. Stamper.
Ford, Lock 10§	Clark	593	17	....	....	....	....	....	....	....	8.57	+5.14	2.41	0	10	....	....	....	....	C. A. Glascock
Grassy	Carter	589	8	....	....	....	....	....	....	....	2.80	....	0.57	0	5	....	....	....	....	John A. Walters.
Greenup, Dam 30	Greenup	540	13	....	....	....	....	....	....	....	4.99	+2.56	1.45	0	11	....	....	....	....	Col. Frank Powers.
Harlan	Harlan	1197	5	72.7	....	90	8†	45	21	36	2.68	....	0.92	0	10	20	8	2	sw.	T. Mitchell.
Hazard	Perry	869	9	....	....	....	....	....	....	....	3.39	....	1.39	0	7	....	....	....	....	W. W. Duffield.
Heidelberg, Lock 14	Lee	661	16	73.7	....	93	8	43	22†	44	2.13	−1.38	0.87	0	9	13	5	12	v.	Chas. O. Ihrig.
Jenkins	Letcher	1566	9	....	....	....	....	....	....	....	3.39	....	1.05	0	8	....	....	....	....	S. C. Cole.
Louisa	Lawrence	551	29	....	....	....	....	....	....	....	2.61	−0.06	0.80	0	8	....	....	....	....	R. R. Davidson.
Manchester	Clay	....	13	....	....	....	....	....	....	....	2.50	−0.58	0.80	0	9	....	....	....	....	Russian Copley.
Maysville	Mason	524	36	74	+ 4.4	95	8	49	21	35	6.29	+3.38	2.09	0	8	15	8	7	sw.	Jeanett H. White.
Middlesboro	Bell	1128	37	72.4	+ 3.5	95°	8†	42°	21	36°	1.73	−1.15	0.65	0	6	20	10	0	.....	Perry S. Bennett
Mount Sterling	Montgomery	959	13	*73.1	+ 5.1	*91	8†	*45	21	*33	9.99	+6.92	5.24	0	12	17	5	8	w.	Matthew Woodson
Owingsville, Dam 37 §	Bath	467	6	....	....	....	....	....	....	....	5.46	+2.49	1.43	0	10	....	....	....	....	W. R. McKee.
Paintsville	Floyd	567	....	....	....	....	....	....	....	....	2.96	....	0.80	0	6	....	....	....	....	Otto Riddle.
Pikeville	Pike	636	27	....	....	....	....	....	....	....	3.14	−0.26	0.52	0	9	....	....	....	....	Eugene Daniel, Jr.
Pippapass	Knott	1065	....	74.6	....	95	8	44	22	44	4.07	....	1.70	0	10	24	1	6	.....	Robert Bepass.
Catlettsburg	Boyd	700	7	73.0	....	94	8	43	21†	42	3.83	....	1.52	0	7	....	....	....	.....	E. W. Summerfeld.
Rassana, Lock 12	Bell	631	15	....	....	....	....	....	....	....	2.66	−0.76	0.86	0	9	....	....	....	.....	R. W. Jones.
Richmond	Madison	926	42	75.1	+ 4.6	93	25	54	21†	27	4.45	−0.88	1.30	0	8	17	0	13	.....	Walter P. Bush.
Valley View, Lock 9	Madison	541	20	....	....	....	....	....	....	....	6.09	+3.36	2.66	0	10	....	....	....	.....	J. W. Crooke.
Spreadenburg, Dam 32	Lewis	525	13	....	....	....	....	....	....	....	6.12	+3.44	1.85	0	10	....	....	....	.....	Thos. Sullivan.
Williamsburg	Whitley	1142	8	....	....	....	....	....	....	....	2.02	....	0.80	0	7	....	....	....	.....	H. M. Finnin.
Williamsburg	Whitley	....	26	75.4	+ 2.9	96	8	44	21	42	4.84	+1.70	1.61	0	6	18	8	4	.....	G. B. Zimmerman.
[illegible], Lock 13	Lee	661	14	....	....	....	....	....	....	....	2.53	−1.59	1.30	0	7	....	....	....	.....	H. F. Davis.
[illegible]	....	....	....	71.5	+ 3.7	98	10	40	21	46	5.63	+2.16	4.25	0	9	17	6	7	sw.	Cleveland Angel.

A Temperature data are taken from self-registering thermometers.

Dashes and departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Explanation of letters, *, ', °, appearing in the table indicate number of days missing; for example, b represents two days, etc.

[a] Also on other days. [b] Received too late to be included in means and summaries. † Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

* Records for 3 years: - Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky. Oneonta, California Ky. 10-56.

Daily Precipitation for September, 1933.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam (G)			.30	.32									.60		.80										.66		.54	.30				3.27
Calhoun (O)		.22	.14	.56																												
Eastington (G)			.32	.10	.25							T	.53	T	.68										.67	.08	.44	.48	T			2.87
Fords Ferry Dam 50 (O)			.05	.80	.10							.02	.75	.23	.30	T				.07					.55		.18	.18	.02			2.39
Greenville (G)		.23	1.15	.60									.18	1.40	.70	.07				.04					.25	.52	.42	.10	.27			4.27
Henderson (O)				.05	.72								.05	2.03		.47									.4		.32	.35				3.87
Hopkinsville (C)			.37	1.10	.03								.40	.10												.06	.28	1.06				1.44
Loveless ville (M)			.17	1.80	1.00	.16						.12	.42	.22	T.	.41				.02					.45	.47	.20	.15	.60			3.48
Marion (O)																									.05		.17	.25				4.39
Mayfield (M)																									.95		1.50	1.70				7.75
Murray (T)				1.74																												
Owensboro (O)		T.	.02	.65							.16		.05																			
Owensboro, Dam 46 (O)		T.	.07	.94	.01						T.	.19	.12	T.	1.57	T				T					1 14		.01	1 53				7.83
Paducah (O)		T.	.05	.80	.02								.24	.05	.32						T				.67	T	1.77	1.75	.66			7.48
Paducah (near) ¶ (O)		.06	.04	1.02	.03								.23	.80	.82	T.				T.		T.			.05	.06	.42	.63	.15	.03		3.69
Princeton (G)		.10	1.17	1.02								.04	.83	.92	T.										.70	.16	.1	.16	.11			3.11
Ramsey, Lock No. 2 (G)		.89	.22	.53								.24		.27											.76		.82	.61	.57			6.07
Russellville (G)			.33	.58	.10						.48	.12	1.40	.27	.03				.17					1.60			2.64		.20		7.04
Uniontown, Dam 49 (O)			.18	.44	.03								.56												.85	.06	1.15	.57				6.26
Central Division																									.50	.12	.44		.26			2.86
Addison, Dam 45 (O)													.57	.40	.18	T				.15					1.87	.27	.83	.46				6.48
Anchorage (O)			.16	1.32	.03											1.07									.29	T	1.84	T	.2			4.19
Bardstown (S)		.33	1.24	.25									T.	.60	.20		.02														
Bowling Green (G)		.49	.20	1.15									1.31	.15											.09	1.31	.24	.20	.05			4.81
Bowling Green, No. 2 (G)	T.		1.39	.55	.14								.85	.14	1.30		.18								1 24	.42	.42					5.36
Brownsville, Lock No. 6 (G)		.96	.38	.21										.2	.42					36					2.15		.52	.63				9.76
Burnside (C)			.5	1.04	.10									.16	.15					.36					.10	1.10	1.37	.70	.16	.33		7.32
Carrollton (Lock No. 1) (K)	.15			.54	.65							.12	1.15	.18						.26					.70	.16	1.83	.19	.15	.38		5.12
Cold Spring, Dam 36 (O)			.13	.85								.02		.08	.10					.49					2.12	1.05	.28	.20	.30			7.31
Danville (K)			.34										1.58		.79													T.			1.92
Dix Dam, Burgin (K)			.20	.18										.52												.53	1.64					5.64
Elkhorn (C)		.20	.05	.23										.56											T.	.27	.58	.11				6.60
Frankfort (K)		.80	1.35							1.68	.03	3.38	.06		.15					.30						.43	.02	.12	1.00				7.14
Franklin (G)				2.17	.17						.75	2.26	1.15												1.55	.10	.08	.02				7.56
Frost, Lock No. 3 (K)			.28	1 81	T								.42												.11				.19			3.60
Glasgow (O)		.57	.02	.17	.01							.95	1.09	.60	.05					T					T	.58	.31	.04	T			5.61
Grant, Dam 33 (O)			.15	.85								.02		.32	.30	.02				.57					.42	.04	.26	.55				3.26
Greensburg (G)		41	1 02	.10							T.		1.26	.76	.30					.28						.02	.25	.2				6.04
High Bridge, Lock No. 7 (K)			.27	.42		T.							.25	.07	.25	.01				.34					.07	T	.11	.26	.61			3.90
Irvington (O)	T.		1.58	2.20	.03								.10	.18	.37					.42						.98	.32	.02				2.21
Lancaster (K)		.04	2.10	.23							.07	.84	2.32	.82	.84	.04				.06					.01	.15	.01	.18	.18			1.77
Litchfield (G)		.26	.30	.01								.02	.52	.50	.21					T					T	1.40	.04	.48	T.			9.44
Lexington *** (K)		.25	.50	.30						.10	1.40	.03	.32	.22				.02							2.41	.02	.35	.05				6.48
Little Hickman, Lock No. 8 (K)		.11	1.53	.42									1.80		1.05					.26						.27	.10					2.99
Lockport, Lock No. 2 (K)			.27	.80	.06					T.			1.14	.88	.55	.01									.58		.05	.19	.02			5.27
Louisville *** (K)			1.60							1.10	.70	.03								.07					1.48		.04	.01				5.47
Munfordville (O)		.05	1.25	.02							1.15	.70	.23		T.				.23						.09	1 12	.10	T.				4.85
New Johnsonville (G)										.68	.25	.01	.04												1.22	.88	.20	T.				5.40
Olivia, Lock No 6 (K)			.40	1.22	.05								.04	.94	.75																	4.66
Paddyville (K)	.15		.48	1.28	T.								.04	.94	.75										.20	3 02	.36	.12	.22			7.32
Taylorsville (S)	.02		.51	.03							.30	2.10	9.30	.16											.45	2.20	.20	.12	T.			13.75
Tarrone, Lock No. 5 (K)	T.	.41	.73	1.04						T.		.26	1.34	.09	.48										T.	1.40	.60	.35	T			5.98
Williamstown (K)		.10	1.75								.76	1.90	.43	.72							T.	T.			1.35	.15	.23	.02				6.68
Woodbury, Lock No. 4 (G)	.03		.35	2.30									.80	.05	.75					2.05					1.38		.05	.02				7.09
Eastern Division			.42	1.54	.16								.14	.24	1.63					.32						.45	.80	.50				8.08
Banville (C)	.02		.20	1.01	.14						.12		.15	.15	.10					.1					.48	1.70	.30	.22	.30			7.58
Cleland (O)	.01		T.	.25	.09								1.08	.88	.35					.43								.18	.05			2.30
Berea (K)		.09	.20	.67						T.		.45		.06	.16					.11						.08		.01				8.10
College Hill, Lock No. 11 (K)			.85	1.60	T.							.15	.55	.22	T					.22					.85	.02	.02	T.	.04			2.30
Cynthiana (L)	.21		.08	1.35	T								.74	.4	.50					T		T.				.50		T				4.44
Dabooth (L)	.03		1.03	1.43									.16	.03	1.52					.61					.01	.35	.08	.02	.52			4.62
Farmers (L)	.61			2.60									1.20	.40	.12					.25						.74		.0				6.07
Flemingsburg (L)			.52	2.20									.70	.72	.57					.61						.89		.82				6.37
Ford, Lock No. 10 (K)	.37		2.21	2.41	T.							.45	1.10	.51	.11					.01					1.38	T.	.02	T				6.63
Grayson (O)	.55			.84									.87	.21	.42																	8.57
Hickman, Dam 30 (O)	.21		.31	1.81	.07		.02						.21	.25	.46					.64						.04	.36					2.89
Hazard (K)			.10	.38	.08	.09					.37		.11	.05	.95					.64												2.99
Huddleberg, Lock No. 14 (K)	.16			1.05	.30										1.80					.53								.05				2.68
Jenkins (K)	.20		.85	.87	.01								.10	.18	.2					.30						.06	.68					3.39
Louisa (B)	.21			.80	.19						.12	.43		.13	1.05					.34						.12	.03					2.13
Manchester (K)	.13			.80	.48								.18	.32	.78					.38						.09						3.39
Maysville (O)			.17	.45	.05						.27				.20					.20					.62		.02					2.61
Middlesboro (C)			.52	1.58									.30	2.09	.19					.10						.89		.87	.18			2.50
Mount Sterling (L)			1.25	5.20	.02								.40							.76					.16	T.	.68					6.29
Oneonta Dam 35 (O)	.06		.68	.16						T.			.61	.86	.45	.15				.08					1.08	.16	.14	.02				1.73
Owensville (B)					.80	.60							.50	.51	1.05					1.43					.20	1.26	.21					9.99
Paducah (O)	T.		.41	.52	.28								.68	.51	.48					.05												5.46
Pappass (K)	1.70		.58	.65	.14															.40								.50				2.96
Pleasant Sand (K)	.63			1.52	T.						.14		.25	.17						.32						28	.42					3.14
Pleasureville, Lock No. 12 (K)			.35	.86	.08							.31	.36	.39						.49							.18	.05				4.07
Richmond (K)			.70	1.30						T.	.40	.35	.25	T						.18					.65		.06	T.				3.83
Valley View, Lock No. 9 (K)		.82	2.00	.30					.60	.85	.85	.30													1.00		.05					2.90
Vanceburg, Dam No. 32 (K)	.25		.27	1.20		.03			2.00	1.00	.80	.34								1.27					1.45		.25	.15				4.45
Whitesburg (K)					.80						.08	1.87	.35													.08		.62				9.09
Williamsburg (C)		.12		2.91	.03						T.	.03	.50					.08	.60								.10					6.12
Willow, Lock No. 13 (K)			1.30	.03							.40									.47								.30				2.62
											.25	.03	.25			.16									.60							4.89
																																2.52

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

(‡) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ° Precipitation included in the next following measurement.

; Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

Daily Temperatures for September, 1933.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.	Maximum	88	91	79	90	90	89	92	94	96	98	97	93	90	92	90	94	98	92	93	84	82	91	90	96	91	92	82	80	70	90	..	89.6
Beaver Dam	Minimum	67	67	69	70	66	62	61	60	69	65	63	70	67	68	69	68	70	69	59	56	57	41	50	50	52	67	68	66	55	52	57	..	62.0
	Maximum	87	86	88	76	88	89	91	93	95	97	92	90	85	90	86	92	92	91	92	84	81	89	90	92	86	87	82	69	78	87	..	87.5
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Calhoun	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	88.3
	Minimum	89	87	88	76	89	90	93	95	95	97	93	91	91	89	83	92	91	89	92	86	80	89	90	93	90	90	88	71	78	89	..	89.0
Carlington	Maximum	88	71	72	71	69	64	64	62	69	71	71	72	70	70	71	69	72	61	60	58	43	62	65	56	68	72	60	55	65	59	..	89.1
	Minimum	89	88	88	79	89	89	92	95	94	94	93	89	89	90	87	92	90	90	92	87	..	..	89	92	88	91	81	80	..	88	..	89.1
	Maximum	55	66	70	69	67	62	61	61	69	65	67	68	67	67	67	67	66	69	60	56	..	..	44	51	66	68	64	53	..	..	..	*62.4
Greenville	Minimum	89	89	89	79	91	93	95	94	94	96	94	92	88	91	87	92	92	93	90	91	90	87	93	89	93	91	83	71	88	78	..	89.4
	Maximum	62	69	69	64	66	65	67	69	78	70	71	71	69	69	70	68	69	62	64	49	48	54	75	60	69	68	63	56	59	61	..	65.1
Henderson	Minimum	92	86	89	79	93	94	95	96	97	98	93	88	91	92	91	93	94	93	93	84	85	58	83	94	90	91	82	69	79	85	..	89.5
	Maximum	62	69	69	64	66	65	67	69	78	70	71	72	70	70	71	69	72	61	60	58	43	62	65	56	68	72	60	55	65	59	..	89.1
Hopkinsville	Minimum	92	86	89	79	93	94	95	96	97	98	93	88	91	92	91	93	94	93	93	84	85	58	83	94	90	91	82	69	79	85	..	89.5
	Maximum	59	69	70	70	69	65	63	65	69	66	66	68	68	68	69	67	70	61	59	59	43	62	65	62	68	69	67	66	63	60	..	63.5
Lovelaceville	Minimum	91	82	83	76	87	90	89	87	91	90	92	88	85	90	89	88	92	87	90	85	86	90	90	95	90	88	80	71	75	89	..	86.9
	Maximum	68	71	74	69	69	64	63	63	66	65	65	70	69	69	71	67	70	63	64	54	41	46	59	52	65	69	62	56	65	61	..	63.8
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	83	85	87	89	90	89	89	85	..	85	86	85	88	89	90	..	90	84	85	85	94	89	86	83	78	72	85	..	*86.2
	Maximum	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mayfield	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	89.1
	Maximum	92	90	90	80	90	90	92	95	96	96	94	88	88	91	92	93	92	93	93	80	83	90	90	95	92	90	77	70	77	90	..	90.1
Murray	Minimum	59	68	70	70	68	62	66	62	66	64	62	68	67	68	69	67	69	64	63	66	42	49	55	58	67	66	55	66	64	60	..	62.5
	Maximum	83	86	84	86	87	87	87	90	90	91	91	86	78	87	82	88	86	84	85	86	77	84	86	88	82	86	71	69	86	79	..	84.5
Owensboro	Minimum	57	67	68	70	66	67	63	63	64	65	63	69	68	67	68	66	69	60	58	58	47	52	58	56	66	66	67	54	57	62	..	62.7
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Paducah (near)	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Maximum	91	88	86	77	91	93	94	96	94	95	93	88	86	90	86	92	91	90	92	88	85	90	90	94	90	90	78	70	79	90	..	88.4
Princeton	Minimum	59	70	72	72	69	67	65	64	69	67	66	70	69	69	70	65	70	63	62	61	56	55	60	65	67	71	61	57	55	62	..	65.1
	Maximum	85	87	88	81	87	89	91	93	92	92	90	91	90	91	90	88	89	87	89	87	78	87	87	92	90	87	75	69	78	87	..	*86.6
Russellville§§	Minimum	57	69	69	69	68	61	60	63	70	67	67	65	67	68	..	65	67	58	56	61	44	50	54	55	60	67	66	58	62	59	..	*62.2
Central Division.	Maximum	79	85	82	82	86	86	88	90	89	89	89	84	80	83	82	85	85	82	88	79	78	82	83	85	85	86	75	69	72	82	..	83.2
Anchorage	Minimum	60	60	60	68	65	65	60	61	65	65	67	67	67	68	68	65	65	67	57	55	56	43	55	56	57	65	66	59	54	52	53	..	61.3
	Maximum	88	88	85	79	90	92	95	97	95	97	94	95	88	91	90	93	92	90	91	80	81	88	88	94	81	90	75	71	80	77	..	88.3
Bardstown	Minimum	61	63	69	70	65	61	59	62	67	67	69	70	67	66	68	68	66	61	56	54	50	49	42	46	56	57	66	64	66	59	64	..	61.7
	Maximum	83	83	84	76	85	86	88	91	92	92	92	91	87	87	85	85	90	86	92	86	76	85	87	92	88	86	80	70	75	84	..	85.4
Bowling Green	Minimum	61	65	67	69	68	64	64	65	69	66	69	70	67	69	68	68	69	59	57	61	49	51	55	55	69	65	68	64	66	64	..	64.1
	Maximum	88	88	86	77	89	89	90	94	92	96	90	86	86	85	81	83	88	82	86	73	72	78	82	85	87	91	74	69	76	78	87	..	84.9
Danville	Minimum	59	70	69	68	67	69	66	66	69	69	70	68	66	67	66	66	69	61	54	61	45	45	58	59	68	65	66	67	67	61	62	..	62.3
	Maximum	88	88	82	82	89	92	90	95	94	93	92	90	89	88	83	88	90	86	84	76	76	83	87	92	84	83	75	71	73	81	88	..	87.0
Dix Dam	Minimum	62	62	69	70	69	70	60	63	69	73	70	69	72	68	70	68	71	62	60	55	47	49	58	60	64	67	67	66	59	64	67	..	64.1
	Maximum	82	87	80	75	85	86	89	92	88	81	88	85	80	79	83	86	83	80	83	76	73	84	85	91	86	87	81	71	71	85	..	83.5
Eubank	Minimum	66	62	67	69	67	57	60	61	67	65	66	63	65	63	65	63	65	59	57	65	49	42	46	56	57	65	64	66	69	64	61	..	61.2
	Maximum	86	86	84	84	89	89	91	95	93	94	93	90	85	90	89	91	92	88	89	83	77	85	85	90	78	80	73	69	80	78	83	..	87.0
Frankfort	Minimum	63	62	71	69	65	62	59	60	65	70	67	67	68	69	66	71	69	54	54	61	45	44	55	55	61	66	68	66	64	61	62	..	62.3
	Maximum	94	91	89	81	90	90	92	95	95	98	96	93	95	96	92	95	91	95	95	89	84	92	92	96	94	92	85	71	83	90	..	91.2
Franklin	Minimum	62	70	70	70	68	62	67	71	72	70	70	68	70	69	67	78	61	58	63	45	53	58	56	70	69	69	64	64	60	..	65.2
	Maximum	80	84	82	79	85	84	87	93	87	88	87	86	84	85	81	82	86	75	71	80	82	86	89	86	78	76	77	70	76	77	..	82.6
Glasgow	Minimum	62	68	70	71	64	65	66	70	68	67	70	67	69	68	65	65	58	58	58	45	50	56	64	51	69	69	68	61	64	..	62.9
	Maximum	89	91	84	85	90	86	92	94	95	97	96	95	90	93	88	92	93	91	92	83	80	84	91	95	88	92	81	72	83	90	..	90.0
Greensburg	Minimum	60	63	68	69	67	59	60	62	65	65	66	70	65	67	66	65	68	58	56	59	40	43	50	50	64	64	67	60	62	52	..	60.8
	Maximum	82	85	83	77	86	86	88	90	90	91	89	89	89	85	86	87	87	84	87	72	75	85	85	88	81	86	77	69	73	83	..	84.0
Irvington	Minimum	59	68	71	69	68	65	65	64	68	71	71	72	71	69	70	68	72	60	60	62	46	62	63	67	68	69	66	64	65	..	..	65.1
	Maximum	85	87	88	78	86	86	89	93	93	94	93	91	89	88	85	90	86	87	90	83	76	86	87	91	80	88	80	69	76	85	..	85.6
Leitchfield	Minimum	60	66	70	70	68	64	63	65	70	69	70	71	70	69	67	71	61	60	60	48	54	59	60	48	68	65	70	66	64	61	62	..	64.4
	Minimum	62	61	69	70	68	64	64	65	70	69	70	71	70	69	67	71	61	60	60	48	54	59	60	48	68	65	70	66	64	61	62	..	64.1
Lexington	Maximum	83	86	81	77	86	86	88	91	89	88	89	86	85	86	83	86	85	81	85	76	73	80	83	88	80	78	76	70	75	84	..	82.7
	Minimum	61	65	69	67	67	60	61	64	67	70	69	68	67	68	66	68	66	57	56	59	47	49	54	61	68	66	68	67	59	57	..	62.7
Louisville	Maximum	82	85	82	76	89	90	92	94	91	94	93	90	87	89	86	88	88	83	88	79	76	85	85	89	85	87	76	70	75	85	..	84.7
	Minimum	63	67	71	70	68	68	68	68	72	70	73	70	69	71	69	70	71	64	62	68	57	56	66	66	69	68	68	68	65	63	..	66.5
St. John	Maximum	84	86	88	78	87	88	90	92	94	95	93	89	84	89	87	91	88	88	91	80	81	87	89	91	86	88	85	73	78	86	..	86.6
	Minimum	58	60	67	69	64	62	62	64	67	67	67	67	68	63	68	65	69	59	56	57	44	47	51	55	65	68	68	66	58	54	..	61.4
Shelbyville	Maximum	85	86	88	76	87	87	91	95	92	94	93	89	87	89	86	88	89	84	87	74	75	83	84	89	82	87	80	70	77	85	..	85.3
	Minimum	60	65	70	69	67	63	62	65	67	68	70	69	67	67	67	67	72	62	57	58	47	51	58	60	67	65	69	64	58	55	..	63.1
Taylorsville	Maximum	79	83	82	..	85	85	86	89	..	..	86	86	..	87	86	86	87	83	85	80	73	80	81	85	71	85	74	70	73	81	..	*83.7
	Minimum	62	61	69	70	68	64	59	60	..	..	65	66	..	67	67	70	67	59	57	58	47	51	58	60	67	65	69	64	58	55	..	*64.4
Williamstown	Maximum	89	91	79	83	92	94	95	97	95	93	96	89	84	91	89	93	91	88	92	78	78	87	89	92	86	87	76	72	82	88	..	87.7
	Minimum	61	63	68	68	68	63	63	65	67	68	66	67	67	68	64	64	68	67	59	47	51	..	60	61	65	65	67	62	58	54	..	62.8
Eastern Division.	Maximum	78	90	88	83	87	85	90	92	93	91	93	87	88	90	83	83	85	86	87	78	68	80	83	80	81	80	78	75	76	85	..	84.3
Ashland	Minimum	63	63	72	70	66	62	62	62	65	65	72	65	67	67	69	66	66	65	62	57	50	60	56	57	58	65	68	68	59	54	..	62.7
	Maximum	81	90	82	78	89	89	91	93	92	92	91	90	89	89	86	85	87	83	90	82	75	86	88	92	80	82	75	73	74	87	..	86.3
Berea	Minimum	61	65	71	68	68	60	61	64	71	72	70	68	67	67	66	68	68	61	58	54	47	52	58	60	66	66	69	64	62	56	..	64.1
	Maximum	88	89	85	77	89	89	90	94	92	96	90	86	86	85	81	83	88	78	86	73	71	82	85	90	86	86	80	84	79	77	87	..	84.7
Farmers	Minimum	62	58	67	67	65	58	56	59	61	59	62	64	66	67	68	65	64	59	52	46	40	42	42	49	52	54	62	64	62	58	58	..	58.2
	Maximum	82	86	80	80	77	85	87	90	90	89	88	88	87	84	85	83	86	83	86	78	72	78	82	85	87	87	86	82	81	84	..	84.1
Harlan §§	Minimum	61	64	65	70	69	67	61	61	66	66	67	70	67	68	67	67	68	66	58	50	50	55	45	46	47	51	61	69	62	60	60	..	61.5
	Maximum	86	86	84	82	89	87	88	88	93	92	91	92	90	90	90	85	88	88	84	87	70	75	85	87	91	87	91	83	76	80	87	..	86.6
Heidelberg	Minimum	67	62	67	67	70	62	61	62	64	68	68	65	69	69	69	67	66	63	48	48	43	50	52	68	64	62	69	62	62	62	62	..	60.8
	Maximum	80	90	83	83	90	90	92	95	98	93	93	90	88	88	86	86	88	84	86	81	83	84	83	91	76	89	80	75	80	85	..	86.5
Maysville	Minimum	62	61	69	68	68	68	61	65	66	67	64	66	66	66	66	66	66	62	57	49	46	54	56	56	64	68	68	61	55	52	..	61.7
	Maximum	86	..	90	83	88	85	89	95	..	95	94	88	88	89	85	86	84	86	84	78	83	86	84	86	78	83	85	86	83	84	..	*84.4
Middlesboro	Minimum	60	..	63	62	67	56	58	62	..	65	66	64	65	66	66	64	66	64	56	48	43	49	55	58	62	64	68	58	56	50	57	..	*60.0
	Maximum	..	87	86	80	88	88	90	94	94	91	93	87	88	93	91	84	88	84	91	86	84	88	89	91	84	88	79	72	76	85	..	*89.2
Mount Sterling	Minimum	61	67	65	66	58	56	62	60	68	65	66	65	66	66	64	66	66	60	58	52	45	47	54	58	59	63	60	62	61	61	..	60.4
	Maximum	87	92	85	81	86	91	93	95	93	94	94	89	90	92	90	86	87	83	86	77	78	85	88	92	83	93	84	77	78	87	..	87.6
Pippapass	Minimum	61	62	66	68	66	60	60	64	66	67	66	63	66	66	66	64	66	60	58	49	44	45	47	53	53	63	61	58	62	58	..	58.4
	Maximum	84	91	86	86	86	90	92	94	91	92	91	91	93	93	90	86	87	85	86	82	77	85	87	93	84	94	82	76	77	88	..	88.1
Quicksand	Minimum	64	61	59	68	62	59	59	62	64	65	64	63	67	66	67	65	66	64	54	54	42	45	58	59	55	57	62	65	66	62	61	..	58.4
	Maximum	86	90	87	86	86	90	91	92	90	93	92	90	90	91	90	88	87	85	86	82	78	85	87	92	85	93	84	78	78	87	..	87.6
Richmond	Minimum	64	65	70	67	70	64	65	67	70	71	70	68	68	68	68	68	71	66	60	54	54	62	65	68	66	70	72	68	72	72	74	..	68.5
	Maximum	87	91	86	82	89	87	93	95	94	96	94	91	92	93	91	89	90	87	89	84	80	86	87	93	86	94	84	80	82	86	..	88.1
Williamsburg	Minimum	64	65	65	68	65	61	61	67	67	65	68	67	67	66	70	70	70	65	59	53	51	44	46	58	51	54	56	66	67	68	56	..	61.8

§§ Instrument is read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* * * etc., indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 10/25/33. 1400

105
KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

J. L. KENDALL,

VOL. XXXVIII LOUISVILLE, KY., OCTOBER, 1933 No. 10

GENERAL SUMMARY.

Although temperatures on most days averaged below normal, the light rainfall and seasonal sunshine were generally favorable for the maturing and harvesting of late crops. Temperatures in the western counties were nearer normal and relatively more favorable than in the eastern districts. The coolness of the first decade delayed somewhat the curing of late tobacco, but warmth near normal during the next two weeks, and dryness with rising temperature in the last week, brought the curing process to its usual stage by the end of the month. Several showery days in the second week interfered with corn cutting and retarded drying in shock. Late cuttings of cowpeas, soybeans, and lespedeza were damaged. Short periods with high day temperatures in the last half permitted late haymaking to be completed.

Most of the rain occurred in the northern and western counties, where moisture was sufficient at all times for plowing and seeding. The southeastern counties remained dry throughout the month, with pastures deteriorating and seeding becoming difficult. Stock water became scarce in some places in the dry section. In other parts of the State pastures remained fairly good, with growth continuing at a slow rate throughout the month. Seeding proceeded normally in the main agricultural districts, followed by satisfactory germination and growth. Except in the extreme northern counties, where heavy frost on the 14th injured tender vegetables, tomatoes continued to yield some fruit. Heavy frost occurred generally and killing frost in the eastern counties on the 26th, but too late to cause much damage.

Late potatoes did not receive sufficient moisture to maintain growth in the southeastern sections; but in other districts they matured fully and made a fair to good crop. The month was generally favorable for maturing and opening of cotton. Corn dried out quite well during the last half and considerable gathering occurred toward the end.

TEMPERATURE.

A cool period, with moderate daily deficiencies, broken by only a day or two of normal temperature, extended from the 2d to the 19th. Temperatures much above normal were reported in the periods 20th-22d and 29th-31st, with an intervening cool spell from the 23d to 27th. Temperatures below freezing were registered at all eastern and several central stations on the 26th. The extremes were 88° at Richmond on the 1st and 25° at Quicksand on the 26th.

PRECIPITATION.

The heaviest rainfall, 3.0 to 4.0 inches, occurred in the Purchase and at one or two other western stations near the mouths of the Green and Kentucky. Precipitation diminished eastward to less than an inch in much of the mountain section. Most of the main agricultural district received from 2.0 to 2.5 inches. Monthly amounts ranged between 0.44 inch at Williamsburg and 4.40 inches at Lovelaceville. Moderately heavy rain fell generally on the 22d, otherwise precipitation was usually light, and irregularly distributed on the date of occurrence. Showers prevailed most generally on the 1st, 7-9th, 12-13th, 16-17th, and 22-23d. In the period 7-17th light rain was reported from some part of the State every day. Only a few western counties received normal rainfall. Thunderstorms were reported on the following dates: 1, 7, 11, 12, 21, 22.

MISCELLANEOUS.

Rivers.—Pool stages prevailed in all streams, with the diminished run-off due to the dry weather in the upper basins of tributary streams, pools in the Ohio were not easily maintained and at times fell below their normal levels.

Errata.—August, 1933—Hopkinsville, prevailing wind direction, page 9, should be northeast; Owensboro, total precipitation, pages 29 and 31, should be 2.[illegible]

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea level). Mean.	Highest	Date	Lowest	Date	Wind. Average hourly velocity.	Maximum velocity.	Direction.	Date	Relative humidity. 7 a. m.	1 p. m.	7 p. m.	Percentage of possible sunshine.
Cairo ..... Ill.	30.10	30.36	2	29.79	7	7.9	30	n.	24	85	54	64	67
Cincinnati ..... Ohio	30.13	30.39	2	29.64	8	6.7	23	nw.	24	83	44	57	61
Evansville ..... Ind.	30.12	30.45	2	29.66	8	8.4	24	n.	24	86	47	58	56
Louisville ..... Ky.	30.13	30.44	2	29.63	7	9.8	36	n.	24	78	53	65	67

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature. Mean.	Departure.	Highest	Lowest	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	52.0	− 6.2	89	23	2.42	−0.34	5.10	0.72	....	..	..	..	..
1890	55.7	− 2.5	87	23	2.94	+0.18	5.17	1.44	....	..	..	..	..
1891	54.8	− 3.4	92	21	0.78	−1.98	2.51	0.16	....	..	..	..	..
1892	57.3	− 0.9	97	19	0.51	−2.25	2.21	T.	....	..	..	..	..
1893	56.4	− 1.8	90	19	4.46	+1.24	7.38	1.80	....	..	..	..	..
1894	58.6	+ 0.4	92	25	1.36	−1.86	3.42	0.02	....	5	..	..	..
1895	52.2	− 6.0	89	14	1.24	−1.92	3.1	0.32	..	4	21	5	5
1896	55.8	− 2.4	90	25	1.71	−1.92	3.50	0.37	..	5	18	7	6
1897	62.2	+ 5.0	96	26	1.10	−1.66	4.26	0.10	0.0	4	23	3	4
1898	57.1	− 1.1	93	21	4.19	+1.46	6.65	1.76	T.	10	12	9	10
1899	61.3	+ 3.1	93	25	2.42	−0.31	6.18	1.25	0.0	5	18	6	7
1900	64.5	+ 6.3	94	29	2.25	−0.47	6.78	0.57	0.0	5	18	8	5
1901	58.1	− 0.1	93	25	1.57	−1.19	6.65	0.15	0.0	4	22	6	3
1902	60.1	+ 0.9	91	25	2.34	−0.42	3.74	T.	T.	5	18	7	6
1903	62.7	+ 0.5	96	19	2.23	−0.54	4.65	0.55	T.	5	19	6	6
1904	57.2	− 1.0	93	20	0.52	−2.24	1.60	0.05	0.0	2	21	6	4
1905	57.0	− 1.2	80	23	4.85	+2.13	8.60	2.30	0.0	7	21	6	4
1906	56.9	− 1.3	91	20	1.51	−1.25	3.31	0.43	T.	7	15	5	11
1907	55.5	− 2.7	93	20	2.97	+0.21	4.66	1.11	T.	6	18	5	8
1908	57.1	− 1.1	92	20	0.71	−2.05	2.94	0.00	0.0	2	26	6	5
1909	55.2	− 3.0	94	18	2.11	−0.62	4.66	0.89	T.	6	1	5	7
1910	61.4	+ 3.2	95	17	4.45	+1.79	11.15	1.66	0.1	6	20	4	7
1911	59.9	+ 1.7	94	27	3.71	+0.95	8.42	0.78	0.0	10	13	7	10
1912	59.5	+ 1.3	92	25	1.42	−1.34	4.46	0.82	0.0	4	18	7	6
1913	56.9	− 1.3	87	23	3.55	+0.79	5.62	2.41	T.	9	14	5	12
1914	59.7	+ 1.5	91	22	5.10	+2.34	8.42	2.49	0.0	9	13	5	13
1915	60.6	+ 2.4	90	27	3.40	+0.64	7.28	0.81	0.0	6	18	7	6
1916	57.6	− 0.6	97	24	2.59	−0.17	4.99	1.29	T.	6	18	7	6
1917	51.1	− 7.1	80	26	3.18	+0.42	5.64	1.23	0.1	7	14	8	9
1918	62.3	+ 4.1	91	32	3.81	+1.05	6.91	1.91	0.0	10	12	7	11
1919	65.6	+ 7.4	98	33	7.90	+5.20	12.46	4.88	0.0	15	8	7	16
1920	61.0	+ 2.8	93	24	1.64	−1.12	4.60	0.15	0.0	4	21	5	5
1921	57.1	− 1.1	90	24	2.31	−0.45	4.75	0.30	0.0	6	20	5	5
1922	60.2	+ 2.0	96	25	2.28	−0.48	4.41	0.78	0.0	6	20	4	7
1923	58.5	− 1.7	89	19	1.05	−1.05	4.62	0.23	0.2	5	18	5	8
1924	61.1	+ 2.9	91	24	6.27	+4.17	13.8	0.00	0.0	1	22	5	3
1925	52.9	− 5.3	88	13	7.09	+4.33	11.50	3.57	3.2	11	6	7	18
1926	53.3	− 1.1	84	25	5.45	−3.21	9.60	2.12	T.	11	1	7	11
1927	60.7	+ 2.5	92	27	2.61	−0.37	5.79	0.69	0.0	4	26	6	5
1928	61.6	+ 3.4	95	24	3.93	+1.17	7.11	1.55	0.0	8	17	6	7
1929	56.4	− 1.8	85	25	2.69	−0.80	7.23	1.36	T.	7	14	7	10
1930	55.8	− 2.4	94	16	1.87	−1.53	2.78	0.44	T.	6	13	5	12
1931	62.0	+ 3.8	93	28	3.01	+0.25	5.77	1.32	0.0	5	16	7	8
1932	56.0	1.1	85	24	3.33	+0.55	5.33	1.85	0.0	7	17	5	8
1933	57.4	0.8	88	25	2.66	−0.71	4.10	0.44	0.0	6	15	5	10
Period	58.2	....	98	13	2.59	....	12.46	0.00	0.1	6	17	6	8

Climatological Data for October, 1933.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches			Number of days					Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest, in 24 hours.	Total snowfall, unmelted.	With precip. of .01 or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																			
Beaver Dam	Ohio	441	29	59.4	+ 0.7	87	30	30	26	39	3.02	+ 0.22	1.70	0	5	25	1	5	e.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	29	59.2	− 0.8	84	31	33	26	32	2.31	− 1.05	0.80	0	6	14	11	6	ne.	W. A. Taylor.
Earlington	Hopkins	420	43	58.9	− 0.7	85	31	31	26	37	2.71	− 0.22	1.18	0	6	20	6	5	n.	Brick Southworth.
Ferds Ferry, Dam 50	Crittenden	358	4								2.62		0.70	0	9					W. D. Hatcher.
Greenville	Muhlenburg	519	16	57.6	− 1.7	83[b]	29[b]	29[b]	26	41[b]	3.06	− 1.00	1.57	0	5	21	9	1	s.	C. R. Lovell.
Henderson	Henderson	382	19	58.7		85	31	32	26	34	3.61	+ 0.35	1.19	0	7	15	12	4	w.	Richard Stites
Hopkinsville	Christian	524	37	59.2	− 1.4	84	31	32	26	36	2.85	− 0.19	1.56	0	9	12	4	15	se.	W. E. Graves.
Lovelaceville	Ballard	....	4	59.4		82	21†	31	26	37	4.40		1.48	0	5	18	9	4	s.	Blaine Malone.
Marion	Crittenden	571	34	59.4	− 0.7	83°	21	33°	26	37°	2.78	− 0.12	0.95	0	4					B. C. Paris.
Maydell	Graves	364	24			81[b]	1†				2.68	+ 0.03	1.41	0	5	21	4	6	ne.	Mrs. C. R. Sowell.
Murray	Calloway	412	7	58.6		88	31	29	26	44	3.40		1.70	0	5	22	6	3	s.	Harry B. Arnold
Owensboro	Daviess	479	36	57.0	− 1.9	85	22	33	26	34	2.71	− 0.57	0.89	0	6	20	6	5	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	5								2.37		0.61	0	12					George McGlemary.
Paducah	McCracken	516	16								3.36	+ 0.31	0.92	0	9					C. J. Rhodes.
Paducah (near)§	McCracken	341	44								4.27	+ 0.28	1.40	0	5					J. W. Lilley
Princeton	Caldwell	529	26	59.2	+ 0.1	87	31	31	26	39	3.60	+ 0.51	0.90	0	9	21	8	7	n.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	384	16								2.11	− 1.60	0.47	0	9					Thos. L. Wetzell.
Russellville	Logan	590	22	57.8	− 2.1	82	21	33	26	38	2.40	− 0.68	0.81	0	6	20	1	10	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	5								3.01		1.02	0	9					Earl Holder.
Central Division.																				
Addison, Dam 45	Breckinridge	352	5								2.61		0.88	0	13					C. L. Moore.
Anchorage	Jefferson	700	32	55.1	− 1.8	83	21	31	26	39	1.85	− 1.15	1.28	0	4	23	2	6	ne.	C. E. Barret.
Bardstown	Nelson	637	36	57.8	− 1.3	86	30	28	26	42	2.93	+ 0.11	1.90	0	5	23	3	5	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	44	58.0	− 1.8	80	21†	32	25	34	2.69	− 0.03	1.30	0	8	15	12	6	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	8								2.31		1.10	0	10					T. Rone
Bowling Green, No. 3	Warren	410	16								2.41	− 1.28	1.42	0	6					C. H. M. Whalin.
Brownsville, Lock 6	Edmonson	773	42								1.61	− 1.89	0.42	0	6					T. A. Lewis
Burnside	Pulaski	480	34								3.69	+ 0.85	1.51	0	7					Shelby Angel.
Carrollton, Lock 1	Carroll	489	7								1.62		0.52	0	7					Reuben Hartley
Cold Spring, Dam 36	Campbell	540	0	55.8		83	21	27	26	41	2.40		1.34	0	6	23	3	5	w.	Ralph C. Wyatt.
Danville	Boyle	770	5	58.2		84	21†	32	26	41	2.31		0.72	0	6	18	8	5	e.	C. W. Williams.
Dix Dam, Burgin	Mercer	777	39	55.6	− 1.3	83	21	28	26	44	0.74	− 1.68	0.65	0	3	16	11	4	n.	Mrs. Katie Pagne.
Eubank	Pulaski	1177	39	55.6	− 1.3	83	21	28	26	44	2.05	− 0.65	0.65	0	7	18	6	7	w.	Sidney Wood.
Frankfort	Franklin	560	41	57.0	− 0.1	85	30	32	19†	49	2.44	− 0.17	1.86	0	10	22	3	6	se.	M. E. Johnson.
Franklin	Simpson	691	38	60.8	+ 0.6	87	1†	33	26	43	2.80	− 1.10	0.95	0	9					Louis Shiddell.
Gest, Lock 3	Henry	490	22								2.42		1.02	0	8	17	6	8	sw.	F. Everett Frei.
Glasgow				57.4		80	21	33	26	32	1.44		0.53	0	8					H. W. Sprague.
Grant, Dam 38	Boone	780	8								2.21	− 0.76	1.23	0	9	8	6	17	n.	Mrs. Bettie K. H. Alcorn.
Hardinsburg	Green	581	40	56.4	− 0.7	86	21	27	26	47	2.10	− 0.88	0.93	0	7					Miss Ruby L. Simpson.
High Bridge, Lock 7	Jessamine	544	31								2.10	0.91	1.14	0	5	20	4	7	sw.	W. J. Piggott
Irvington	Breckinridge	646	35	57.5	+ 0.8	80	21	34	26	23	1.10		0.80	0	3					Walter Killion.
Lancaster	Garrard	1052	7								2.07	− 0.66	1.03	0	9	20	7	4	w.	H. H. Willis.
Leitchfield	Grayson	635	37	57.8	− 0.3	83	30	31	26	36	2.14	− 0.45	1.06	0	8	16	8	7	e.	C. S. Weather Bureau
Lexington	Fayette	989	49	51.6	+ 2.8	81	21	30	26	38	1.80	− 1.46	0.55	0	6					Horace Center.
Little Hickman, Lock 8	Jessamine	560	22								2.58	− 0.67	1.50	0	6					Frank Litch.
Lockport, Lock 2	Henry	485	23								1.82	− 0.83	0.91	0	6	13	10	8	n.	U. S. Weather Bureau.
Louisville	Jefferson	525	60	57.6	− 1.7	82	30	36	26	28										A. G. Hubbard.
Munfordville	Hart	690	19								2.36	− 0.47	1.30	0	6	25	2	4		Sisters of Loretto.
St. John	Hardin	777	37	56.0	− 1.2	82	30	31	26	35	2.37	− 0.64	0.66	0	6					Ernest M. Searcy.
Salvisa, Lock 8§	Mercer	520	19								2.63	− 0.12	1.74	0	8	19	2	10	s.	Miss Ruth Ratta.
Shelbyville	Shelby	825	44	57.2	0.0	86	1	32	26	32	2.83	− 0.09	2.00	0	4	21	5	5		Elizabeth H. Bourne.
Taylorsville	Spencer	489	31	54.9	− 1.4	79	21	31	26	36	2.34	− 0.95	0.64	0	7					H. K. Vaughn.
Tyrone, Lock 5¶	Anderson	523	15								2.21	− 0.70	1.25	0	8	22	3	6	w.	Miss Nettie B. Simpson.
Williamstown	Grant	903	33	57.6	+ 2.5	85	31	30	26	38	2.31	− 1.41	0.81	0	9					H. J. Lewis.
Woodbury, Lock 4	Butler	504	16																	
Eastern Division.																				
Annville	Jackson										1.17		0.86	0	7	15	5	11	sw	W. A. Worthington.
Ashland	Boyd	534	14	57.0	− 0.7	83	1	31	27	40	0.70	− 1.93	0.24	0	4	18	0	13	w.	Jacob Armbruster.
Berea	Madison	1070	28	58.4	− 0.2	85	21	29	26	40	1.26	− 1.82	0.55	0	8	21	2	8	w.	Chas. C. Graham.
College Hill, Lock 11	Madison	611	23								1.42	− 2.05	0.80	0	7					Kelly Walden
Cynthiana	Harrison	684	15								1.69	− 1.61	0.55	0	5					P. H. Kehoe.
Falmouth	Pendleton	600	44								1.87	− 0.67	0.84	0	10					J. V. Oldham
Lancaster	Fleming	668	25	55.0	− 1.6	86	21	25	26	49	1.87	− 2.08	0.83	0	4	18	5	8	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	8								1.97		1.09	0	4					C. A. Glascock
Ford, Lock 10	Clark	637	17								2.05	− 0.18	0.76	0	7					John A. Walters.
Grayson	Carter	589	8								1.14		1.14	0	1					Col. Frank Powers
Greenup, Dam 30	Greenup	540	13								1.24	− 1.20	0.45	0	9					T. Mitchell.
Harlan	Harlan	1197	5	57.1		84	1	27	26	43	1.50		0.80	0	4	16	10	5	n.	W. W. Dunfield.
Harlan	Perry	869	9								1.61		0.29	0	9					Chas. O. Ibrig.
Hazard	Lee	663	16	56.2		86	30	25	26	46	0.72	− 3.07	0.30	0	4	18	6	7	w.	S. C. Cole.
Heidelberg, Lock 14	Lee	1566	9								1.37		0.88	0	4					R. R. Davidson.
Jenkins	Letcher	581	29								0.85	− 2.01	0.30	0	4					Russian Copley.
Louisa	Lawrence		14								0.95	− 1.62	0.40	0	5					Jeanett H. White.
Manchester	Clay	524	36	56.2	− 1.3	86[a]	1	28[a]	26	41[a]	1.78	− 0.83	0.78	0	7	17	5	9	sw.	Perry E. Bennett
Maysville	Mason	1128	37	55.0	− 2.4	85[a]	1	28[a]	26	34[a]	0.62	− 1.95	0.40	0	2	20	11	6	....	Matthew Woodson
Middlesboro	Bell	990	43	53.5	− 2.4	82	1	28	26	38	1.89	− 2.11	0.82	0	6	23	2	6	w.	W. R. McKee.
Mount Sterling	Montgomery	937	6								1.84	− 0.83	0.68	0	9					Otto Riddle.
Oneonta, Dam 35	Campbell	497	6								1.68		0.50	0	5					Eugene Daniel, Jr.
Paintsville	Floyd	657									1.34	− 1.52	0.60	0	4					Robert Repass
Pikeville	Pike	636	27								1.67		0.35	0	9	21	2	8		F. W. Summerfield.
Pippapass	Knott	1085		55.1		87[a]	1†	25[a]	26	47[a]	1.58		0.47	0	4					R. W. Jones.
Quicksand	Breath tt	732	7	56.0		85	1†	23	26	47	0.54	− 2.92	0.31	0	3					Walter P. Bush.
Resenna, Lock 12	Estill	631	15								1.28	− 1.57	0.65	0	6	18	0	13		I. W. Crooke.
Richmond	Madison	936	42	59.8	+ 0.7	88	1	30	26	31	1.70	− 1.84	0.50	0	5					Thos. Sullivan.
Valley View, Lock 9	Madison	571	20								1.47	− 1.40	0.65	0	8					H. M. Fugnia.
Vanceburg, Dam 34	Lewis	525	18								0.41		0.25	0	4					G. H. Zimmerman.
Whitesburg	Letcher	1142	8					28	26		1.26	− 1.81	0.66	0	3	16	11	4		H. F. Davis.
Williamsburg	Whitley	999	36								1.11	− 1.75	0.47	0	5					Cleveland Angel
Willow, Lock 13	Lee	646	14								2.05	− 0.71	2.00	0	6	19	5	7	sw.	
State averages and extremes				57.4	− 0.8	88	1†	23	26	49										

All temperature data are taken from self-registering thermometers.

The precipitation data are computed only for such stations as have ten or more years of record, but all complete reports are published in determining section or division means.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published in determining section or division means.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

* Also on other dates. † Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

§Lone Oak.

¶Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky. Oneonta, California, Ky.

Daily Precipitation for October, 1933.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Jamestown	G	.12						.07	.25				.55			.40						1.79										
Calhoun	G	.12						.07	.31	T			.55			.80			T.			.40						T.				
Darlington	G	.47							.14	.01			.50			1.18			T.			.41										
Fords Ferry Dam 50‖	O	.50	T.					T.	.03	.05	.07	T.	.22	.70		.80	.30			T.		.52	T.					T.	T.			
Greenville	G	.53							.20	T			.30			.55			T.			1.57										
Henderson	O	.30							.37	.27			.69			.73		.06				1.19										
Hopkinsville	C	.07																														
Lovelaceville	M	.41						.02	.10		.02		.40			.66		.01				1.56						.01				
Marion	O												.95			1.42		.14				1.48										
Mayfield	M	.24						.43					.85			.95						.50										
Murray	T	.20											.69			1.41		.15				.18										
Owensboro	O								.06				.37			1.07		T.				1.16										
Owensboro, Dam 45 ‖	O	.07	.02					.07	.23	T.	.10		.54			.88						.92										
Paducah	O	.20						.02	.18	.03	.09		.66	.39		.50	.83		T.			.61	.05					T.				
Paducah (near) ¶	O								.18				.35	.57		.92	.36			.07		.62	.06									
Princeton	G	.41							.23				1.12			1.40			.12			1.40										
Ramsey, Lock No. 2 ‖	G	.05						.20	.05	.03			.54			.80			.06			.96						.01				
Russellville ‖	G	.30						.06	.29				.17	.32		.47	.26					.44	.05									
Uniontown, Dam 49 ‖	O	.28	T.						.05					.24		.67						.28	.81									
Central Division								.03	.10	T.			.35	.41		.33	.24			.08		1.02	.14					T.				
Addison, Dam 45 ‖	O	.02	T.																													
Auchorage	O							.24	.32	.15			.11	.28		.18	.23					.88	.18					T.				
Batestown	S	.08								.45			.14			.03						1.23										
Bowling Green	G	.15						.25	.35				.35									1.90										
Bowling Green, No. 2 ‖	G	T.	.02					.10			T.		.25	.70		.11	.08					1.50	.40									
Brownsville, Lock No. 6 ‖	G	.10						.12	.32		.02		.08	.36		.12	.05					.10	1.10									
Burnside ‖	C	.04						.09	.14	.04			.03	.23		.08	.09					.12	1.42					.02		.05		
Carrollton ‖ ¶ (Lock No. 1)	K	1.51							.10					.25			.12					T.	.42	.08					T.			
Cold Spring, Dam 36 ‖	O	.01							.52	.06				.52			.18					1.21	.19									
Danville	K								.11	.27			.09	T.			.26	T.			T.	.52	.90									
Dix Dam, Burgin ‖	K							.11	.26	.01			.30			.29						1.34	T.									
Eubank	C							.53	.12				.42		T.	.24					.25	.72									
Frankfort ‖	K								.09														.65									
Franklin	S							T.	.12	.08			.02	.09		T.	.19					.65	.61					T.				
Gest, Lock No. 3 ‖	K	.04							.20	.03	.02		.17	.18		.30	.02					1.35										
Glasgow	O	.17						.11	.22	.05			.06	.12				.12					.95	.55					.03				
Grant, Dam 39 ‖	O	.19							.06	.10			.11	.10		.49						1.02	.05									
Greensburg	G	.12						T.	.15	.25	T.		.11	.04		T.	.12					.53	.12									
High Bridge, Lock No. 7 ‖	K	.03						.06	.16	.01			.25	.14		.14						1.23	.16									
Irvington	O	T.							.25	.22				.50			.03					.34	.93									
Lancaster ‖	K							.04	.56	T.			.20			.16						1.14										
Leitchfield	G	.06						.10	.20													.80										
Lexington ***	K	.01						.05	.25	.02	.02		.35	.63		.28						1.02						T.				
Little Hickman, Lock No. 8 ‖	K	T.						.01	.46	.02		.02	.28			.25						1.06						T.				
Lockport, Lock No. 2 ‖	K	T.							.15	.28				.43		T.	.24					.15	.55									
LOUISVILLE ***	O	.05				.1	.20	.10			.15											1.50	.53									
Munfordville ‖	O							.27	.18	T.			.33			.18						.01										
St. John	S	.08																														
Salvisa, Lock No 6 ‖	K								.46				.27			.22						1.26						.02				
Shelbyville	S	.03						.11	.66	.08			T	.28		T.	.15					.69	.60									
Taylorsville	S								.40				.12	.01		.09						1.71	.03									
Tyrone, Lock No. 5	K	.01							.56				.14			.18						2.00										
Williamstown	K	.13						.05	.64				.28			.13					.64	.18										
Woodburn, Lock No. 4 ‖	K	.19						.05	.25	.03			.14			.35						1.25						.01				
Eastern Division								.04	.14				.17	.25		.17	.07					.47	.81									
Annville	C		.01																													
Ashland ‖	O								.06		.02		.36			.01	.34					.31										
Berea	K									.05			.22				.09					.34										
College Hill, Lock No. 11 ‖	K							.06	.01	T.			.20	.06		.16	.02				.20	.55									
Cynthiana ‖	L							.06		.07	.04			.30		T.	.05				.10	.80									
Falmouth ‖	L								.20	.32	T.		T.				.22				.40	.55									
Farmers ‖	L	.05						.01	.26	.02			.07	.11		.01	.23				.84	.28									
Flemingsburg ‖	L									.11				.32			.11					.83										
Ford, Lock No. 10 ‖	K	.20	T.						.38					.34			.16					1.09										
Grayson ‖	O								.32	T.		T.	.55			.02	.18				.07	.76										
Greenup, Dam 30 ‖	O							.45	.01	.01	.01			.17								1.14										
Harlan ‖	C		.57											.66			.13	.01	.02		T.	.49										
Hazard	K		.28							.04		.06	.12	.02			.86					.07										
Heidelberg, Lock No. 14 ‖	K	T.											.60				.60					.26	.06							.04		
Jenkins ‖	K	.37							.04			T.	.30				.27					.11										
Louisa ‖	B		.12										.13			.68					.19										
Manchester	K	.02								.08			.20				.23					.20										
Maysville ‖	O	.08							.02	.47	.03		.08				.32					.78										
Middlesboro	C															.40	.22															
Mount Sterling ‖	L							T.	.11	.09			.16			.18					.83	.22									
Oneonta Dam 35 ‖	O	.08							.07	.22	.01		.04	.04		T.	.23			T.	.08	.44									
Paintsville	B		.30											.34				.34				.70	.10									
Pikeville ‖	B		.25									T.	.24				.60					.25	T.									
Pippapass	K	.27	.04					.26		.01		.02	.18			.36	.30					.23										
Quicksand ‖	K		.34										.47				.38					.35										
Ravenna, Lock No. 12 ‖	K								T.	T.	T.			.13			.16					.81										
Richmond	K								.10	.06			.06			T.	.12				.06	.66										
Valley View, Lock No. 9 ‖	K		.10					.45					.50			.25					.22	.65						T.				
Vanceburg, Dam No. 32 ‖	O		.03							.18	.08		.05	.10			.16					.40										
Whitesburg ‖	K					.02							.25		.10	.07						.15										
Williamsburg ‖	C		.28														.66					.32										
Willow, Lock No. 13 ‖	K	.16						.06					.47			.27																

Except as otherwise indicated observations are generally made late in the afternoon, very nearly at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for October, 1933.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	84	74	73	79	75	74	74	72	62	75	80	76	65	73	78	72	70	64	72	82	85	80	75	73	67	61	63	60	82	87	85	78.9
	Minimum	62	47	45	47	44	36	43	51	43	46	47	50	41	34	46	59	37	42	34	53	59	47	40	37	32	30	57	50	45	48	45	44.9
Calhoun	Maximum	84	70	73	77	70	73	71	64	61	72	76	69	71	76	69	69	69	62	68	76	81	78	68	69	64	63	59	65	81	83	84	71.1
	Minimum	64	48	48	48	48	44	56	48	47	42	52	54	44	39	48	53	46	43	46	48	56	52	48	40	36	36	33	40	41	49	54	47.4
Harlington	Maximum	80	72	71	75	68	72	70	68	64	72	72	76	68	73	75	70	68	61	71	78	83	77	65	69	66	63	57	66	81	84	86	71.5
	Minimum	64	46	47	47	46	39	47	43	47	43	50	60	40	36	45	60	39	43	38	64	59	52	46	48	35	31	40	39	47	49	50	46 3
Greenville	Maximum	82	72	75	77	69	74	70	64	63	72	79	72	67	76	...	77	69	62	73	83	-	83	64	70	64	65	59	67	79	82	82	*72.1
	Minimum	61	45	44	47	45	37	45	41	43	39	46	58	42	35	...	41	39	42	33	61	-	60	45	37	34	29	45	36	46	48	49	*43.0
Henderson	Maximum	79	70	76	81	76	75	75	71	63	73	71	71	78	71	78	72	69	68	68	80	83	71	62	70	58	53	58	66	71	79	85	72.1
	Minimum	63	47	47	49	48	44	48	47	43	42	51	50	42	39	46	59	41	39	39	55	55	48	44	39	31	22	43	42	48	55	55	45.3
Hopkinsville	Maximum	83	74	77	79	78	74	72	68	60	73	79	71	67	74	75	72	68	63	72	78	85	76	65	69	64	63	56	71	80	83	84	72.3
	Minimum	66	48	48	52	48	41	47	42	42	38	48	51	44	38	47	59	39	43	38	50	59	53	49	39	34	32	47	39	50	49	50	46.2
Lovelaceville	Maximum	75	70	74	79	74	75	74	72	66	75	81	70	66	76	74	74	70	64	73	72	82	70	64	74	66	65	64	68	79	82	79	71.8
	Minimum	62	46	47	47	70	41	56	46	47	56	48	58	42	39	41	58	37	41	37	51	61	48	41	38	35	31	48	38	48	49	51	46.9
Marion	Maximum	...	...	...	80	79	77	75	74	72	72	65	80	74	74	75	77	69	70	68	77	82	82	66	68	59	64	65	68	81	82	82	*72.7
	Minimum	...	...	...	49	49	44	46	53	49	42	53	52	41	42	41	43	41	42	43	56	58	46	39	40	34	33	47	39	53	56	63	*46.0
Mayfield	Maximum	81	77	72	72	71	74	66	68	57	69	77	76	68	73	...	73	69	65	70	77	76	75	67	64	63	60	57	...	77	80	81	*71.0
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Murray	Maximum	75	72	75	76	72	73	71	66	61	75	82	66	70	78	79	73	70	62	78	81	84	71	67	69	62	67	55	73	83	86	88	72.7
	Minimum	62	47	46	57	47	39	46	43	41	46	54	52	43	53	49	47	38	42	37	50	54	50	41	50	38	35	29	45	38	45	45	44.4
Owensboro	Maximum	78	71	74	79	69	70	67	68	68	69	78	77	70	64	74	80	73	64	74	80	85	80	68	74	66	65	61	66	79	84	81	73.2
	Minimum	62	48	48	44	46	42	46	41	45	58	48	59	42	40	41	53	38	40	36	54	54	54	44	45	34	33	48	42	45	49	50	45.2
Paducah (near)	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Princeton	Maximum	78	71	75	76	71	72	72	61	56	74	82	67	66	76	77	71	70	64	74	81	85	72	67	69	64	66	56	72	82	85	87	72.2
	Minimum	64	48	48	50	50	42	49	44	43	48	53	48	43	44	49	46	40	43	38	54	60	51	46	39	35	31	47	38	48	48	51	46.2
Russellville	Maximum	71	69	70	73	67	71	68	65	58	71	73	71	63	70	75	70	70	68	73	80	82	82	62	66	62	65	58	68	79	81	80	68.9
	Minimum	66	49	46	52	48	38	45	42	42	46	46	55	43	38	49	55	49	44	35	51	58	56	46	38	34	33	45	37	46	53	47	45.7
Central Division																																	
Auburndale	Maximum	72	67	70	75	66	68	62	55	51	67	76	66	59	66	74	66	62	62	68	77	83	69	61	67	52	62	54	62	79	82	82	67.2
	Minimum	58	46	48	45	42	39	42	44	43	42	45	48	38	36	42	54	36	35	34	45	59	51	40	37	34	31	36	42	40	48	47	43.0
Bardstown	Maximum	79	78	77	77	75	75	68	61	60	73	79	70	66	75	80	72	69	65	74	83	85	77	68	70	64	66	60	66	80	86	83	72.3
	Minimum	65	45	46	48	48	36	43	45	41	43	48	56	41	38	45	59	37	39	32	52	56	51	45	37	34	28	43	38	43	48	48	43.4
Bowling Green	Maximum	76	69	68	79	68	67	66	61	58	68	75	68	63	68	75	67	65	60	70	76	80	75	68	65	63	63	57	69	78	79	80	69.5
	Minimum	66	50	50	51	49	41	48	44	46	48	47	55	47	39	48	55	44	44	35	55	58	56	49	45	41	39	47	41	47	50	50	47.6
Danville	Maximum	77	76	75	78	72	69	66	66	58	68	77	65	61	66	73	66	64	55	75	78	83	69	59	65	59	60	57	61	77	82	84	67.8
	Minimum	63	46	46	48	43	40	41	44	43	41	43	55	42	35	37	55	42	42	31	52	53	52	43	38	32	27	44	37	39	50	47	43.9
Dix Dam	Maximum	82	75	71	74	72	74	67	59	60	66	76	70	66	70	76	68	66	64	75	80	85	78	61	66	60	66	60	62	80	83	80	70.8
	Minimum	60	48	49	56	45	36	44	46	46	54	46	57	44	37	50	54	43	43	34	48	52	55	48	40	34	32	44	48	48	50	48	45.5
Eubank	Maximum	80	71	74	79	73	73	66	60	58	62	76	73	65	70	76	68	64	63	73	78	81	80	67	68	62	64	59	66	78	81	81	69.3
	Minimum	61	45	46	47	46	38	46	37	47	49	48	49	40	34	44	51	41	42	36	51	57	54	47	32	38	40	38	45	39	44	45	42.0
Frankfort	Maximum	78	70	72	77	69	72	69	66	59	69	77	70	63	68	75	68	66	65	72	79	83	75	64	67	64	62	59	66	78	83	81	69.9
	Minimum	66	46	47	48	45	40	44	43	48	45	45	47	42	34	38	54	40	40	32	50	54	52	46	39	35	32	41	41	40	45	46	44.2
Franklin	Maximum	87	72	77	77	71	75	73	69	60	75	82	74	66	76	78	74	73	67	78	83	86	75	68	70	61	64	56	72	84	87	82	74.3
	Minimum	67	48	49	53	50	40	47	48	46	48	48	58	46	37	48	60	41	40	36	56	58	60	45	40	34	33	46	39	45	49	47	47.8
Glasgow	Maximum	78	68	70	71	74	65	64	58	58	64	71	67	62	68	72	66	61	60	72	76	80	72	59	62	59	62	57	66	75	78	76	66.9
	Minimum	63	50	50	52	49	48	45	44	47	45	46	47	44	43	45	56	42	43	38	54	58	56	44	40	36	33	46	39	48	52	50	47.8
Greensburg	Maximum	80	72	77	76	68	75	71	66	59	71	82	74	64	69	77	68	67	63	76	81	86	77	61	68	62	67	60	68	80	82	82	71.7
	Minimum	63	45	45	49	42	34	38	41	45	37	58	56	44	31	45	56	38	37	29	51	55	48	37	36	30	27	42	34	42	44	44	41.2
Irvington	Maximum	77	67	71	73	66	68	66	58	58	68	76	68	59	67	74	68	63	60	68	76	80	75	65	68	59	61	55	61	74	78	76	67.7
	Minimum	67	47	48	48	46	43	49	46	46	45	51	54	43	38	50	59	44	43	38	59	59	53	47	41	37	34	48	40	47	54	53	47.3
Leitchfield	Maximum	77	68	73	78	75	72	67	67	64	72	76	71	65	75	76	71	68	64	73	76	81	77	67	67	62	67	57	68	78	83	82	69.2
	Minimum	64	47	48	50	48	42	47	43	44	42	48	55	43	37	46	58	42	44	36	55	60	52	46	40	33	31	48	40	46	54	52	46.4
Lexington	Maximum	75	68	71	72	69	68	63	59	58	65	74	62	60	64	65	63	59	57	71	76	81	72	62	66	61	64	61	62	76	81	80	67.9
	Minimum	60	46	45	48	44	40	44	44	44	45	46	48	42	35	50	47	42	42	36	41	54	52	45	38	34	30	39	40	38	50	49	44.2
Louisville	Maximum	74	68	72	75	65	69	65	56	56	68	76	67	61	67	74	68	63	60	72	76	81	73	62	67	60	63	58	66	76	82	81	67.5
	Minimum	57	48	49	51	49	47	50	45	48	48	51	50	49	43	48	48	45	41	38	46	51	51	45	41	38	36	42	42	48	55	55	47.8
St. John	Maximum	72	69	72	73	69	70	69	67	59	71	77	66	69	72	75	67	66	66	70	75	80	71	66	69	65	62	57	69	79	80	81	69.8
	Minimum	62	45	47	48	42	46	44	41	44	39	50	58	37	35	46	57	37	36	35	47	50	45	35	37	34	31	43	38	37	48	49	43.7
Shelbyville	Maximum	86	68	71	74	64	72	67	53	58	70	78	70	59	68	76	64	63	60	70	77	82	71	58	65	59	59	53	66	77	83	82	68.3
	Minimum	62	46	46	49	42	43	46	46	44	46	54	44	41	37	44	56	41	41	38	55	56	54	47	40	36	34	39	45	39	45	52	46.2
Taylorsville	Maximum	76	66	70	71	65	66	64	54	56	68	74	66	61	66	73	66	64	58	68	74	79	72	58	65	60	63	59	67	76	78	77	66.4
	Minimum	61	45	46	49	43	38	42	46	46	43	46	48	43	34	37	55	39	38	32	52	54	51	46	39	36	31	40	37	41	45	45	43.4
Williamstown	Maximum	75	74	76	77	74	73	68	60	58	70	79	67	63	70	79	66	67	64	72	77	84	72	62	66	64	64	61	66	76	84	85	70.5
	Minimum	62	44	44	48	43	41	45	45	45	46	45	53	39	34	41	54	39	42	34	54	54	53	49	42	38	37	36	45	40	42	58	44.6
Eastern Division																																	
Ashland	Maximum	83	74	71	75	67	67	64	64	59	69	74	67	62	64	73	68	70	62	71	74	81	78	66	65	62	63	60	66	76	78	81	69.4
	Minimum	64	48	41	49	45	41	43	45	44	42	42	52	47	38	37	50	36	43	34	54	58	55	45	40	38	32	31	37	46	43	47	44.6
Berea	Maximum	82	75	78	78	73	72	68	65	66	72	77	72	67	71	78	69	66	66	69	76	80	75	66	68	64	65	62	66	77	78	81	70.6
	Minimum	62	41	45	50	45	39	43	45	45	43	49	50	45	35	42	53	44	44	35	45	45	45	40	38	30	29	28	38	48	50	50	44.3
Farmers	Maximum	78	68	70	76	72	71	69	64	64	66	76	71	69	70	76	69	67	63	77	78	82	76	67	69	66	66	61	62	77	82	84	71.1
	Minimum	62	41	36	48	38	31	36	38	40	41	38	50	44	34	39	51	40	41	39	47	48	43	39	38	28	27	34	37	34	41	44	38.9
Harlan 88	Maximum	84	75	78	74	69	70	64	62	62	64	78	75	74	70	75	74	72	65	70	76	80	72	67	70	70	64	64	73	74	77	76	71.6
	Minimum	58	55	50	52	49	41	43	42	51	49	40	42	48	38	34	45	37	41	41	51	47	44	49	48	43	39	27	36	40	39	45	42.6
Heidelberg	Maximum	83	78	76	76	67	70	67	56	59	68	76	75	65	68	78	75	67	63	76	80	83	75	68	70	63	65	60	68	76	86	80	71.2
	Minimum	60	47	44	49	43	38	39	40	41	36	46	49	36	36	48	37	39	47	37	47	47	44	39	38	34	30	26	32	42	42	42	41.2
Maysville	Maximum	80	72	73	76	66	73	67	62	58	69	77	71	64	73	77	71	68	67	71	77	81	74	71	69	64	62	63	61	78	80	...	*69.6
	Minimum	64	48	41	49	45	41	43	45	44	43	49	52	43	37	43	51	43	42	39	51	51	50	44	40	38	28	30	38	37	45	...	*42.7
Middlesboro	Maximum	85	75	79	75	75	68	65	66	58	70	78	70	63	73	77	73	68	65	73	73	73	71	70	64	58	58	70	71	...	72	*78.5
	Minimum	58	56	46	52	45	37	39	38	41	37	37	39	55	55	39	45	53	37	32	45	38	43	40	40	38	38	32	34	35	...	40	*41.6
Mount Sterling	Maximum	82	69	71	75	69	69	63	58	59	68	76	68	60	68	76	68	62	60	68	77	78	68	57	60	55	58	60	66	78	81	78	68.4
	Minimum	59	45	44	46	42	37	40	41	42	41	49	55	40	33	39	52	40	37	30	53	52	44	37	32	28	28	37	40	37	45	41.6
Pippapass	Maximum	87	76	81	80	75	74	70	...	63	66	75	78	66	71	82	80	73	67	78	83	87	82	66	69	64	68	62	70	75	82	80	*74.5
	Minimum	60	48	46	50	45	34	39	...	39	41	54	46	51	36	34	44	34	38	37	46	42	50	43	42	37	36	34	38	37	44	44	*41.7
Quicksand	Maximum	85	71	80	78	69	71	68	60	61	68	77	77	66	73	80	77	67	65	76	81	85	80	74	70	65	68	59	68	75	84	83	72.8
	Minimum	57	45	42	50	46	37	39	39	37	43	35	46	39	33	42	44	33	39	41	48	52	46	40	40	31	29	32	37	33	39	40	39.8
Richmond	Maximum	88	78	76	75	75	69	73	65	59	69	79	74	65	65	72	80	67	69	75	80	75	81	75	65	65	55	67	72	73	78	78	71.0
	Minimum	60	48	49	52	47	43	47	45	44	55	60	60	48	38	43	53	46	39	38	52	50	44	39	38	34	32	34	38	48	47	54	48.5
Williamsburg	Maximum	84	74	78	78	73	73	69	66	62	70	78	72	66	70	78	72	69	66	72	78	82	76	69	70	66	66	62	68	77	81	81	71.8
	Minimum	64	48	48	55	47	39	42	42	40	46	41	48	50	36	37	47	50	39	34	50	49	41	44	40	36	34	36	40	41	48	46	44.2

* 8 a.m. readings are used in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

† Normal temperatures for 1, 2, 3 etc. days missing from record.

‡ Records began with 15 : 21 : 1908.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XXXVIII LOUISVILLE, KY., NOVEMBER, 1933 No. 11

THE LIBRARY
JAN 5 1934

GENERAL SUMMARY.

A few warm days at the beginning of the month were followed by two weeks of unseasonable cold. At many western and southern stations the first killing frost occurred on the 8th, with the ushering in of this cold spell. The cold weather and freezes delayed the drying of corn, and the strong winds accompanying the low temperatures interfered at times with gathering. In the last two weeks, however, the light rainfall and increasing dryness of the soil so favored the husking and moving of corn from the fields that the work advanced rapidly to completion on many farms. Corn that had been cribbed in sappy condition earlier in the month dried out thoroughly during this period.

Wheat, rye, and barley were reduced to dormant condition by the hard freezes early in the month. They were generally undersized at this time, and low temperatures thereafter prevented the slow progress that may usually be expected in the first half of this month. Toward the close, when temperatures again rose high enough for growth, the soil in many districts had become too dry. This condition was most pronounced in the south-central and southeastern counties, where the rainfall had continued below normal for three months. Fall grains, therefore, entered the winter with less than normal growth and only moderately resistant.

The dry, cold, and windy weather almost entirely prevented tobacco stripping. Most tobacco had not been in condition to handle since it cured. For this reason a smaller amount of tobacco than usual was made ready for the early markets of the following month.

Good rains occurred in the northern and western counties during the first week, but after this showers were generally light and scattered. Water supplies for livestock became short in some central and eastern districts. In the cotton area the weather favored picking, which was nearly completed. Pastures practically ceased to produce after the first week.

TEMPERATURE.

Temperatures 10° to 20° above normal on the first two days, the 20th and 21st, and the last three days largely offset the cold weather and raised monthly means nearly to the seasonal average at many stations. In the extreme western counties temperatures averaged slightly above normal, but central stations showed marked deficiencies. The extremes were 85° on the 1st at Beaver Dam and 10° on the 17th at Farmers.

PRECIPITATION.

For the State, precipitation averaged somewhat less than half the normal amount. The heaviest rainfall, ranging from 2.0 to 2.5 inches, occurred in counties between the lower Cumberland and Salt River and in a limited area in the eastern mountains. Districts near the southeast, northeast, and northwest borders received 1.0 inch or slightly more. In other parts of the State amounts ranged between 1.2 and 2.0 inches, with quite regular distribution. Most of the rain occurred in the period 3d-6th, in which the 5th had moderate to heavy showers. Light showers were scattered through the period 18th-27th. Snow flurries were reported on several days in the northeastern counties. Precipitation varied between 2.57 inches at Quicksand and 0.54 inch at Ravenna. Dates with thunderstorms were: 4, 17 and 21.

MISCELLANEOUS.

Rivers.---Streams were slightly affected by the rains of the 5th, otherwise they remained at pool stage.

Errata.—September, 1933: Maysville, page 34, prevailing direction should be northwest; Bowling Green, total precipitation, page 34 and 35 should be 1.11; Berea, minimum temperature, page 34 should be 47 on the 21st.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure reduced to sea-level.					Wind.			Relative humidity			Percentage of sunshine.
	Mean.	Highest.	Date.	Lowest.	Date.	Av. hourly velocity.	Maximum velocity.	Direction.	Date.	7 a. m.	2 noon	7 p. m.	
Cairo ..... Ill.	30.11	30.58	16	29.68	21	9.8	27	nw.	13	75	54	57	60
Cincinnati ..... Ohio	30.08	30.60	16	29.48	14	9.6	26	nw.	26	81	61	62	50
Evansville..... Ind.	30.10	30.60	16	29.48	14	10.3	29	nw.	11	75	58	58	65
Louisville ..... Ky.	30.16	30.66	16	29.63	14	11.9	41	nw.	14	82	53	66	41

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature.				Precipitation.					Number of days		
	Mean.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889	43.1	− 3.4	85	10	6.04	+2.56	7.90	3.50	....	..	..	..	..
1890	48.6	+ 2.1	81	19	4.87	+1.39	7.70	1.78	....	..	..	..	..
1891	43.5	− 3.0	75	10	6.04	+2.56	10.61	3.47	....	..	..	..	..
1892	42.8	− 3.7	78	9	3.85	+0.37	6.40	0.27	....	..	..	..	..
1893	44.3	− 2.2	79	− 2	3.12	−0.36	4.03	1.06	....	..	..	..	..
1894	43.3	− 3.2	80	8	1.32	−2.16	4.78	0.15	....	4	..	..	..
1895	45.8	− 0.7	85	16	4.29	+0.81	9.04	0.66	....	7	10	7	13
1896	49.3	+ 2.8	80	11	5.01	+1.53	6.98	3.03	....	7	10	5	12
1897	47.8	+ 1.3	78	12	4.69	+1.21	9.29	2.34	T.	10	13	5	10
1898	43.2	− 3.3	80	10	2.79	−0.69	4.32	1.51	0.5	8	12	7	11
1899	50.8	+ 3.3	79	20	2.12	−1.36	3.97	0.88	T.	8	11	7	12
1900	47.0	+ 0.5	83	15	7.78	+4.30	11.06	4.51	1.0	8	16	6	9
1901	41.8	− 4.7	82	11	1.52	−1.56	2.41	0.10	T.	4	13	6	8
1902	53.4	+ 7.1	90	29	4.42	+0.94	7.60	3.09	0.3	11	11	6	13
1903	42.5	− 4.0	84	5	3.01	−0.67	4.53	1.21	2.0	8	12	7	11
1904	41.7	− 1.8	79	14	0.80	−2.59	3.56	0.14	T.	3	18	6	9
1905	46.4	− 0.1	79	14	3.55	+0.07	6.61	1.30	T.	7	15	6	9
1906	46.1	− 0.4	83	11	5.62	+1.54	12.09	2.19	2.3	7	13	6	11
1907	43.2	− 2.3	75	15	3.49	+0.01	5.47	1.21	0.1	7	16	6	11
1908	48.6	+ 2.1	90	8	2.61	−0.87	7.98	1.19	0.2	7	14	7	9
1909	51.7	+ 5.2	86	19	3.29	−1.19	3.74	1.36	T.	6	15	6	9
1910	41.1	− 5.4	78	11	2.04	−1.44	4.23	1.09	T.	6	16	5	9
1911	41.6	− 4.9	85	9	4.51	+1.03	10.26	4.03	0.8	8	16	4	10
1912	45.2	− 1.3	82	10	1.22	−2.26	2.20	0.32	0.2	4	16	4	16
1913	50.5	+ 4.0	81	8	3.25	−0.23	6.12	0.83	0.9	9	12	5	13
1914	46.9	+ 0.4	83	5	1.23	−2.25	3.05	0.33	0.4	5	18	5	7
1915	49.3	+ 3.3	85	16	4.80	+1.32	8.63	2.65	0.4	9	15	7	8
1916	47.8	+ 1.3	83	8	1.52	−1.96	2.10	0.85	T.	5	20	4	6
1917	44.3	− 2.2	78	11	1.23	−2.25	2.89	0.26	0.1	5	14	6	11
1918	46.1	− 0.4	77	19	1.90	−1.58	3.78	1.16	0.0	6	14	6	11
1919	47.4	+ 0.9	78	16	7.21	+3.83	10.63	3.27	0.0	9	15	5	10
1920	44.7	− 1.8	79	10	2.21	−1.27	4.03	0.52	2.8	8	12	5	13
1921	49.8	+ 3.3	79	20	7.96	+4.48	15.07	4.71	T.	12	11	5	14
1922	48.3	+ 1.8	87	10	1.33	−1.55	4.55	0.73	0.4	6	16	8	8
1923	46.4	− 0.1	75	16	3.65	+0.17	5.58	1.92	0.0	9	14	5	11
1924	47.7	+ 1.2	83	13	1.82	−1.66	2.86	0.72	0.1	9	11	7	12
1925	44.9	− 1.6	73	8	5.57	+1.65	7.42	3.21	0.1	7	12	6	12
1926	42.9	− 3.6	80	0	3.40	−0.26	5.37	1.24	2.0	9	10	7	13
1927	51.3	+ 4.8	82	13	5.01	+1.51	6.70	1.25	0.1	10	9	7	14
1928	46.8	+ 0.3	78	10	3.93	+0.35	7.51	2.55	T.	10	10	6	14
1929	44.6	− 1.9	81	− 3	4.03	+0.55	7.82	2.15	3.0	13	8	6	16
1930	47.1	− 0.6	86	4	1.52	−1.96	3.05	0.85	1.0	10	12	6	12
1931	55.0	+ 8.5	84	19	3.52	+0.04	6.61	1.64	T.	10	13	5	13
1932	43.8	− 2.7	78	11	2.71	−0.77	4.66	1.16	0.4	9	14	5	12
1933	45.5	− 1.0	85	10	1.54	−1.94	2.57	0.54	T.	5	6	11	13
Period	46.5	.....	93	− 9	3.48	.	13.07	0.10	0.5	8	13	6	11

Climatological Data for November, 1933.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy		
Western Division.																					
Beaver Dam	Ohio	441	29	47.7	+ 0.8	85	1	15	16	48	1.95	−1.23	1.60	0	2	13	10	7	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	29	48.5	+ 0.3	83	1	19	16	39	1.89	−1.57	1.35	0	6	10	10	10	sw.	W. A. Taylor.
Earlington	Hopkins	420	43	47.6	− 0.2	83	1	17	16	42	2.24	−1.74	1.60	0	7	15	8	7	s.	Brick Southworth
Fords Ferry, Dam 50	Crittenden	356	4	.....	.....	.....	.....	.....	.....	.....	1.32	.....	1.22	0	4	.....	.....	.....	.....	W. D. Hatcher.
Greenville	Muhlenburg	519	16	47.0	− 0.8	82	1	15	16	39	1.87	−2.12	1.54	0	4	11	10	9	s.	C. R. Lovell.
Henderson	Henderson	382	19	46.6	.....	85	1†	19	17†	43	1.27	−2.97	0.62	0	4	12	12	6	nw.	Richard Stites
Hopkinsville	Christian	524	37	47.7	− 0.8	80	1	17	16	42	2.19	−1.99	1.06	0	5	11	3	16	se.	W. E. Graves.
Lovelaceville	Ballard	.....	4	47.0	.....	78	1	17	10†	44	1.74	.....	1.50	0	3	17	7	6	s.	Blaine Malone.
Marion	Crittenden	571	34	.....	.....	80	1	.....	.....	.....	1.20	−2.69	1.20	0	1	18	6	6	n.	B. C. Paris.
Mayfield	Graves	364	24	[b]49.0	+ 0.2	78[b]	1	21[b]	10	30[b]	1.59	−2.53	1.22	0	3	16	5	9	nw.	Mrs. C. R. Sowell.
Murray	Calloway	412	7	47.9	.....	84	1	15	16	45	1.87	.....	0.80	0	4	16	9	5	e.	Harry B. Arnold
Owensboro	Daviess	479	36	43.2	− 4.0	77	2	16	16	35	1.68	−1.78	1.13	0	3	12	8	10	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	5	.....	.....	.....	.....	.....	.....	.....	1.29	.....	0.86	0	7	.....	.....	.....	.....	George McGlemary.
Paducah	McCracken	516	16	.....	.....	.....	.....	.....	.....	.....	1.80	−2.24	1.56	0	4	14	9	7	.....	C. J. Rhodes.
Paducah (near)§	McCracken	341	44	.....	.....	.....	.....	.....	.....	.....	1.75	−2.54	0.87	0	5	.....	.....	.....	.....	J. W. Lilley
Princeton	Caldwell	529	26	47.2	+ 0.3	83	1	17	16	44	2.32	−1.72	1.05	0	7	14	8	8	s.	Dr. W. L. Cash.
Rumsey, Lock 2	McLean	384	16	.....	.....	.....	.....	.....	.....	.....	1.63	−2.32	1.28	0	5	.....	.....	.....	.....	Thos. L. Wetzell.
Russellville	Logan	590	22	45.5	− 1.8	80	1	11	16	37	1.41	−2.23	1.27	0	2	17	3	10	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	5	.....	.....	.....	.....	.....	.....	.....	0.97	.....	0.90	0	2	.....	.....	.....	.....	Earl Holder.
Central Division.																					
Addison, Dam 45	Breckinridge	352	5	.....	.....	.....	.....	.....	.....	.....	1.40	.....	1.14	0	6	.....	.....	.....	.....	C. L. Moore.
Anchorage	Jefferson	700	32	43.5	− 0.9	81	1	13	16	39	1.20	−1.92	1.13	0	3	13	4	13	se.	C. E. Barret.
Bardstown	Nelson	657	36	45.6	− 1.1	81	1	11	16	40	1.85	−1.53	1.40	0	5	15	8	7	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	44	48.0	+ 0.4	78	1†	20	16	35	2.17	−1.64	1.80	0	3	14	7	9	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	8	.....	.....	.....	.....	.....	.....	.....	2.02	.....	0.98	0	6	.....	.....	.....	.....	T. Rone
Brownsville, Lock 6	Edmonson	410	16	.....	.....	.....	.....	.....	.....	.....	2.18	−2.37	1.98	0	2	.....	.....	.....	.....	Virgil M. Whalin.
Burnside	Pulaski	773	42	.....	.....	.....	.....	.....	.....	.....	1.08	−2.44	0.98	0	2	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	480	34	.....	.....	.....	.....	.....	.....	.....	1.78	−1.40	1.48	0	3	.....	.....	.....	.....	Shelby Angel.
Cold Spring, Dam 36	Campbell	489	7	.....	.....	.....	.....	.....	.....	.....	1.28	.....	0.85	T.	6	.....	.....	.....	.....	Reuben Hartley
Danville	Boyle	540	0	45.1	.....	80	2	15	16	37	1.71	.....	1.14	0	5	11	13	6	w.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	5	46.6	.....	80	2	19	16	37	1.70	.....	1.02	T.	5	9	9	12	s.	C. W. Williams.
Eubank	Pulaski	1177	39	43.4	− 1.7	81	2	12	16	38	1.30	−1.87	0.85	0	3	10	5	15	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	41	45.2	− 1.2	79	2	16	17	42	1.26	−2.00	1.14	0	4	10	5	15	w.	Sidney Wood.
Franklin	Simpson	691	38	49.2	− 0.6	82	1	19	16	37	2.09	−1.36	1.62	0	4	14	8	8	s.	M. E. Johnson.
Glasgow	Barren	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.43	−1.69	1.20	0	6	.....	.....	.....	.....	Louis Shiddell.
Grant, Lock 3	Henry	490	22	.....	.....	.....	.....	.....	.....	.....	1.78	−1.40	1.48	0	5	13	2	15	s.	F. Everett Frei.
Glasgow		.....	.....	45.8	.....	76	1†	16	16	36	2.43	.....	1.48	T.	5	.....	.....	.....	.....	H. W. Sprague.
Grant, Dam 38	Boone	780	5	.....	.....	.....	.....	.....	.....	.....	1.28	.....	0.93	T.	6	.....	.....	.....	.....	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	40	45.9	+ 0.7	82	2	11	16	45	1.66	−2.05	1.12	0	6	6	3	21	s	Miss Ruby L. Simpson.
High Bridge, Lock 7	Jessamine	544	31	.....	.....	.....	.....	.....	.....	.....	1.90	−1.27	1.20	0	8	.....	.....	.....	.....	W. J. Piggott.
Irvington	Breckinridge	646	35	46.0	− 0.6	77	1†	20	15†	35	1.67	−1.68	1.53	T.	3	14	3	13	sw	Walter Killion.
Lancaster	Garrard	1032	7	.....	.....	.....	.....	.....	.....	.....	1.22	.....	0.85	0	5	.....	.....	.....	.....	R. H. Willis.
Leitchfield	Grayson	635	37	47.1	+ 0.6	81	1	18	16	33	2.34	−1.62	2.02	0	5	14	7	9	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	49	42.0	− 2.8	77	2	17	16	40	1.55	−1.79	1.18	0.2	9	8	8	14	ne.	Horace Canter.
Little Hickman, Lock 5	Jessamine	566	22	.....	.....	.....	.....	.....	.....	.....	1.56	−1.59	1.27	0	3	.....	.....	.....	.....	Frank Litch.
Lockport, Lock 2	Henry	485	23	.....	.....	.....	.....	.....	.....	.....	1.49	−1.35	1.20	0	3	.....	.....	.....	.....	U. S. Weather Bureau
Louisville	Jefferson	525	60	45.0	− 1.7	79	1	18	15	32	1.30	−2.31	1.03	T.	7	9	6	15	s.	A. G. Hubbard.
Munfordville	Hart	600	19	.....	.....	.....	.....	.....	.....	.....	2.50	−1.03	1.90	0	3	22	4	4	.....	Sisters of Loretto.
St. John	Hardin	777	37	42.6	− 3.1	80	1	18	27	36	1.47	−1.12	1.10	0	4	.....	.....	.....	.....	Ernest M. Searcy.
Salvisa, Lock 6	Mercer	520	19	.....	.....	.....	.....	.....	.....	.....	1.30	−2.24	1.00	0	7	13	1	16	nw.	Miss Ruth Ratta.
Shelbyville	Shelby	825	41	44.2	− 0.3	81	1	16	16	33	1.56	−1.77	1.35	T.	3	15	3	12	.....	Elizabeth H. Bourne.
Taylorsville	Spencer	489	31	[a]42.4	− 2.4	77[b]	1	15[c]	16†	39[c]	1.79	−0.89	1.28	0	6	.....	.....	.....	.....	Mrs. K. Vaughn.
Tyrone, Lock 5	Anderson	524	15	.....	.....	.....	.....	.....	.....	.....	1.81	−0.92	1.42	0	10	14	4	12	w.	Miss Nettie B. Simpson.
Williamstown	Grant	943	30	43.9	− 1.2	81	1	14	16	38	1.48	−2.61	1.37	0	2	.....	.....	.....	.....	H. J. Lewis.
Woodbury, Lock 4	Butler	504	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																					
Annville	Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.98	.....	0.67	0	7	10	3	17	w.	W. A. Worthington.
Ashland	Boyd	534	14	45.1	− 1.8	80	1	14	16	35	1.19	−2.39	0.38	T.	11	9	4	17	nw.	Jacob Armbruster.
Berea	Madison	1050	28	46.2	− 1.1	80	2	16	16	35	1.21	−1.86	0.70	T.	9	13	5	12	w.	Chas. C. Graham.
College Hill, Lock 11	Madison	611	23	.....	.....	.....	.....	.....	.....	.....	1.20	−1.87	0.82	T.	7	.....	.....	.....	.....	Kelly Walden
Cynthiana	Harrison	684	15	.....	.....	.....	.....	.....	.....	.....	1.23	−2.09	1.03	T.	4	.....	.....	.....	.....	P. H. Kehoe.
Falmouth	Pendleton	600	44	.....	.....	.....	.....	.....	.....	.....	1.53	−1.75	1.30	T.	8	.....	.....	.....	.....	J. V. Oldham.
Farmers	Rowan	668	25	44.2	− 0.9	82	2	10	17	49	1.54	−1.52	0.95	0	4	7	8	15	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	8	.....	.....	.....	.....	.....	.....	.....	1.19	.....	0.62	0	3	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	637	17	.....	.....	.....	.....	.....	.....	.....	1.11	−2.02	0.74	0	9	.....	.....	.....	.....	John A. Walters.
Grayson	Carter	580	8	.....	.....	.....	.....	.....	.....	.....	1.17	.....	0.70	0	3	.....	.....	.....	.....	Col. Frank Powers.
Greenup	Greenup	540	13	.....	.....	.....	.....	.....	.....	.....	1.11	−2.46	0.50	0	10	.....	.....	.....	.....	T. Mitchell.
Harlan	Harlan	1197	5	45.8	.....	76	2†	15	16	38	0.97	.....	0.27	0	6	11	7	12	nw.	W. W. Duffield.
Hazard	Perry	869	9	.....	.....	.....	.....	.....	.....	.....	1.60	.....	0.59	0	10	.....	.....	.....	.....	Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	663	16	45.6	.....	82	2	12	17	45	1.20	−2.20	0.38	0	7	9	5	16	w.	S. C. Cole.
Jenkins	Letcher	1566	9	.....	.....	.....	.....	.....	.....	.....	1.60	.....	0.50	0	7	.....	.....	.....	.....	R. R. Davidson.
Louisa	Lawrence	584	29	.....	.....	.....	.....	.....	.....	.....	1.05	−1.92	0.47	0	6	.....	.....	.....	.....	Russian Copley.
Manchester	Clay	.....	13	.....	.....	.....	.....	.....	.....	.....	0.99	−1.57	0.74	0	2	.....	.....	.....	.....	Jeanett H. White.
Maysville	Mason	524	36	44.0	− 0.7	79	1†	13	16	39	1.02	−2.00	0.53	T.	14	7	5	18	sw.	Perry E. Bennett
Middlesboro	Bell	1128	37	[a]43.0	− 3.0	73[a]	2	12[a]	16	36[a]	1.17	−2.26	0.68	0	4	12	16	2	.....	Matthew Woodson
Mount Sterling	Montgomery	930	43	40.3	− 3.7	80	2	13	17	41	1.45	−2.04	0.89	T.	7	17	2	11	nw.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	6	T.	.....	.....	.....	.....	.....	.....	1.50	−2.03	1.07	T.	6	.....	.....	.....	.....	Otto Riddle.
Paintsville	Floyd	567	.....	.....	.....	.....	.....	.....	.....	.....	1.17	.....	0.32	0	7	.....	.....	.....	.....	Eugene Daniel, Jr.
Pikeville	Pike	636	27	.....	.....	.....	.....	.....	.....	.....	2.18	−0.51	0.65	T.	9	.....	.....	.....	.....	Robert Repass
Pippapass	Knott	1035	.....	[a]46.8	.....	85[a]	2	16[a]	17	44[a]	1.38	.....	0.32	T.	11	16	0	14	.....	F. W. Summerfield.
Quicksand	Breathitt	732	7	44.8	.....	81	2	12	17	45	2.57	.....	0.94	T.	7	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	15	.....	.....	.....	.....	.....	.....	.....	0.54	−2.58	0.19	0	4	.....	.....	.....	.....	Walter P. Bush.
Richmond	Madison	926	42	46.1	− 0.9	84	1	16	10†	30	1.33	−1.83	0.90	0	6	11	0	19	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	20	.....	.....	.....	.....	.....	.....	.....	1.34	−2.34	1.01	0	6	.....	.....	.....	.....	Thos. Sullivan.
Vanceburg, Dam 32	Lewis	525	18	.....	.....	.....	.....	.....	.....	.....	1.45	−2.25	0.58	0	6	.....	.....	.....	.....	H. M. Fannin.
Whitesburg	Letcher	1142	8	.....	.....	.....	.....	.....	.....	.....	1.19	.....	0.60	0	3	.....	.....	.....	.....	G. H. Zimmerman.
Williamsburg	Whitley	999	36	.....	.....	.....	.....	13	16	.....	0.92	−2.12	0.48	0	6	17	9	4	.....	H. F. Davis.
Wilson, Lock 13	Lee	646	14	.....	.....	.....	.....	.....	.....	.....	1.25	−2.93	0.35	0	7	.....	.....	.....	.....	Cleveland Angel
State averages and ex tremes		.....	.....	45.5	− 1.0	85	11	10	17	48	1.54	−1.91	2.02	T.	5	6	11	13	s.	.....

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, *a*, *b*, *c*, appearing in the table indicate number of days missing; for example, *b* represents two days, etc.
; Also on other dates. * Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.
[a] Postoffice address: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.
Oneonta, California, Ky.

; Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Daily Precipitation for November, 1933.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam				.35	1.60																											
Calhoun																	T.				.10			.03						T		1.95
Earlington		.08	.05	.40	1.60												T.				.06		.02	.03								1.84
Fords Ferry Dam 30			T.		1.22	.01															.06											2.24
Franklin		T.		.21	1.54	.05												T			.01			.08								1.89
Henderson			.05	.51	.62																.07											1.87
Hopkinsville				1.06	.96	.01																								.03		2.27
Lovelaceville				1.50																	.12			.04								2.19
Marion					1.20																.06			.18								1.74
Mayfield				1.22	.22																	T.										1.20
Murray				.80	.48	T.															.15											1.59
Owensboro		T.	.39	1.13	T.																.39			.20					T			1.87
Owensboro, Dam 46			.22		.86	.01											T.	T			T		T.	.16					T			1.68
Paducah			.02		1.56													.01				.05	.11	.03								1.88
Paducah (near) ¶				.87	.83																.05			.15								1.90
Princeton					1.27																.05											1.75
Rumsey, Lock No. 2		.01	.10	.90	1.05	T.											I.				.10			.06	T.					.10		2.32
Russellville			.20		1.28																.10	.03		.02								1.63
Uniontown, Dam 49					1.27																.14											1.41
					.90	T.															T.	T.		.07								0.97
Central Division																																
Addison, Dam 45			.08		1.14	.04																.02	.10	.02								1.40
Anchorage			T.	T.	1.13																	T.	.02									1.20
Bardstown				.25	1.40	.03											.05				.12	.05							T			1.85
Bowling Green			.02	T.	1.80																.35											2.17
Bowling Green, No. 2			.02		.98	.37															.32	.31	.02									2.02
Brownsville, Lock No. 6					1.98							.08										.09		.03								2.18
Burnside			T	.10	.98							T.					T.															1.08
Carrollton (Lock No. 1)					1.48	.11																		.19								1.78
Cold Spring, Dam 36			T.		.85	.17	T.							T.	.05		T.				.04	.12			.05	T.						1.28
Danville			T.	.38	1.14	.01															.07											1.71
Dix Dam, Burgin		.21	1.22					T.				.04						.08			.20	.03			T							1.70
Eubank			.12		.85	.33																										1.30
Frankfort				T	1.14	.01	T.		T.					T.			T.				.08	.03			T							1.39
Franklin				.13	1.02	.04															.30											1.26
Gest, Lock No. 3			.05		1.20	.07											.02					.03	.06									2.09
Glasgow			.65		1.48	.02						T.									.26				T.				.02			1.43
Grant, Dam 35			.03		.93	.05	T.		T.					T.	.02		.01					T.	.24		T.	T.						2.43
Greensburg			.19	.12	1.12	.02						.01					T.				.20		T.									1.28
High Bridge, Lock No. 7			.08		1.20	.31						.02									.10											1.66
Irvington		T.		T.	1.53				T.			T.										.12	.02	.02								1.90
Lancaster			.05	.85	.20											.07					.04			T.					.10			1.67
Leitchfield		T.		.14	2.02												.02				.05											1.22
Lexington ***			T.	.09	1.11	T.	T		T.	T.		.02	.01	T.		.09	T.				.11		.08	.02								2.34
Little Hickman, Lock No. 8		.15			1.27	.10											T.					.04	T.									1.55
Lockport, Lock No. 2				1.20	.09												T.					T.	.20									1.56
Lucyville ****		.03	.48	.55				T.	T.		T.					.07					.06	T.	.04	T.		T.			.07			1.30
Munfordville				.40	1.90																											
St. John					1.10	.10															.20											2.50
Salvisa, Lock No 6				.05	1.04	.03											T.				.15	.12										1.47
Shelbyville			1.35						T.				T.			T.	.09				.05	.02								06		1.30
Taylorsville			1.28	.05	.02								T.			.14	.16				.05									T		1.56
Tyrone, Lock No. 5		.02	.01	1.42	.04							.07	.04			.03					.03											1.79
Williamstown				1.37													.03				.03	.12			.03							1.81
Woodbury, Lock No. 4																																1.48
Eastern Division																					.11											
Annville			.23	.06	.46	.67						.23									.26											1.95
Ashland			.05	.21	.38	.01	.02					.06	.05	.18			.07					12		.06			.06					1.19
Berea		.11	.15	.70	.06				T.			.02					.05			.02	.08	.02										1.21
College Hill, Lock No. 11		.07		.82	.20							.03	T.				.08				.03	.06			T.	T.						1.39
Cynthiana		T.		1.03	.10								T.	T.			T.				.06	.04							T.			1.23
Falmouth		.02		1.30	.04		T.		.01				T.	.03			T.					.03	.08			.02	T.			T.			1.53
Farmers				.95	.33																	.11		.15								1.54
Flemingsburg				.92	.12																.20											1.19
Ford, Lock No. 10	K		.07		.78	.08	T.	T.			T.	.02		T.	T.		.08				.01	.04	.02		.01	T.						1.11
Grayson						.70															.24				.23							1.17
Greenup, Dam 30			.03	.09	.50							T.	.02	.12							.11	.02	.16			.05						1.11
Harlan		.10	.25	.09	.27							.20									.06											0.97
Heidelberg, Lock No. 14			.30		.59	.06	.07		T.			.06		T.							.15	.03	.02		T				T.			1.60
Jenkins		T.	.01	.31	.33	T.						.12					.29	.03			.35		.03									1.26
Louisa			.20	.12	.50	.05	.07						.40				.05				.26											1.60
Manchester				.47	.15							.20		.10							.03					.10						1.05
Maysville			.25	.74																												0.99
Middlesboro			.02	.53	.21	.01	T.					.08	.02	.02	T.						.05	.05			.01	.02		T.				1.02
Mount Sterling		.68	.28								.17								.04													1.17
Oneonta Dam 35			.26	.89	.03								T.		T.	111			.02		.11											1.45
Paintsville				1.07	.11	T.							T.			.05					.10	.08	T.		.09	T.						1.50
Pikeville	B	.03		.32	.20											23					.31	.03				05						1.17
Pippapass	K		.25	.04	.32	.09	.03					.15	T.	T.		.12					.21		.12			.10						2.18
Quicksand	K	.18		.94		.51						.25		.03		.15			.03		.13	.07		T								1.38
Ravenna, Lock No. 12	K		T	T.	.12	.19	T.	T.				.30		.15							.38		.11									2.57
Richmond	K		.03		.90	.20						T.			T.	T.					.15	T.	.08		T.							0.54
Valley View, Lock No. 9	K		.07	1.01	.05											.10					.05	.05										1.33
Vanceburg, Dam No. 32	O				.49	.58											.01			.15	.05											1.34
Whitesburg	K					T.				.10		.12									.08		.12			.06						1.45
Williamsburg	C		.14	.14	.48	.03					.49	.60						T.														1.19
Willow, Lock No. 13	K		.05		.34	.35						.03									.10											0.92
											.12					.03				.33	.03											1.25

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Daily Temperatures for November, 1933.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	85	80	69	55	48	48	57	52	50	43	68	68	62	58	40	46	59	58	66	75	70	62	55	55	64	58	61	69	74	73	..	60.9
	Minimum	48	53	51	46	43	40	40	22	33	18	30	29	32	29	21	15	18	38	24	27	48	29	37	38	25	34	20	38	54	55	..	34.5
Calhoun	Maximum	83	81	75	54	49	46	52	49	46	39	66	66	64	66	49	49	60	58	63	75	68	61	51	51	62	59	60	67	72	73	..	59.9
	Minimum	54	56	51	42	43	40	39	25	28	21	23	34	23	33	21	19	22	38	29	35	53	33	38	38	27	36	25	45	56	59	..	37.1
Earlington	Maximum	83	81	65	54	48	46	51	47	45	39	66	65	66	57	46	39	58	59	62	73	74	63	54	47	60	58	61	67	71	71	..	59.0
	Minimum	51	54	50	47	44	40	41	23	40	19	30	32	33	34	23	17	20	39	27	33	52	30	39	38	26	37	24	48	56	59	..	36.2
Greenville	Maximum	82	79	69	58	47	46	52	47	46	38	66	65	61	57	49	41	57	58	64	72	69	64	57	49	62	58	60	67	71	72	..	59.4
	Minimum	50	49	50	45	42	38	38	21	34	17	28	30	31	29	21	15	18	37	33	35	49	28	37	37	25	35	20	44	52	55	..	34.5
Henderson	Maximum	85	85	68	52	52	45	51	49	44	36	66	71	56	56	45	41	41	57	65	73	71	56	50	52	60	58	62	62	65	72	..	58.1
	Minimum	51	58	46	41	40	36	36	25	30	20	31	36	30	30	33	30	19	19	30	30	54	30	36	36	28	35	40	24	41	53	..	35.1
Hopkinsville	Maximum	80	79	77	57	47	45	50	47	48	39	65	66	61	61	48	45	57	57	63	73	68	61	61	61	48	62	60	60	67	71	70	59.4
	Minimum	52	55	51	47	43	39	38	22	37	19	31	32	34	31	23	17	25	40	27	31	51	31	37	38	28	36	22	37	51	55	..	36.0
Lovelaceville	Maximum	78	75	70	52	50	45	52	51	49	43	68	70	58	60	54	45	59	59	68	69	67	64	51	44	66	58	65	66	68	68	..	59.1
	Minimum	50	50	48	44	41	40	39	21	33	17	29	30	34	31	23	17	25	37	29	30	60	27	37	35	25	37	22	41	55	54	..	34.9
Marion	Maximum	80	78	70	61	51	57	59	45	45	39	67	67	69	57	47	40	66	56	63	72	68	60	55	40	60	60	60	65	68	71	..	59.4
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mayfield	Maximum	78	74	70	66	62	53	47	46	46	41	65	63	58	57	52	43	55	..	65	69	68	63	56	..	55	55	58	65	67	68	..	59.4
	Minimum	66	56	49	48	43	41	39	24	36	21	38	36	38	33	23	22	29	..	64	39	53	38	39	..	28	38	29	47	54	58	..	38.6
Murray	Maximum	84	82	66	56	53	46	53	52	50	43	69	67	69	62	44	47	58	58	70	71	69	53	48	52	62	62	70	72	77	77	..	61.0
	Minimum	48	46	50	48	42	40	36	25	34	17	27	27	34	30	27	24	25	39	32	75	56	42	27	36	35	26	30	32	45	51	55	34.8
Owensboro	Maximum	77	77	74	64	53	45	50	46	43	35	66	64	65	64	55	55	60	64	66	75	74	63	55	55	67	60	60	65	68	68	..	62.8
	Minimum	51	53	48	44	41	38	35	28	33	19	30	30	29	39	19	16	19	35	56	34	44	27	35	35	25	32	22	29	46	54	..	33.6
Paducah (near)	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	83	77	69	53	48	45	52	51	47	40	67	67	61	59	42	43	57	59	65	75	69	61	51	47	61	52	62	69	73	72	..	59.2
	Minimum	51	52	50	48	42	40	36	22	34	18	29	32	33	30	28	17	22	39	26	31	44	26	39	38	27	31	23	42	54	54	..	35.1
Russellville§§	Maximum	86	78	57	53	45	44	49	46	47	41	63	64	48	57	37	43	56	53	62	71	68	57	41	48	62	42	59	66	70	73	..	56.0
	Minimum	56	57	52	48	44	38	38	29	29	17	28	31	40	29	22	11	19	38	25	35	47	31	37	37	26	38	22	38	46	51	..	36.0
Central Division.																																	
Anchorage	Maximum	81	72	64	51	44	44	47	45	44	36	61	63	57	50	40	40	55	51	60	69	64	53	45	50	60	50	55	62	70	69	..	55.1
	Minimum	49	52	41	41	40	37	36	19	26	16	29	26	27	26	19	18	23	30	24	30	40	40	36	35	23	31	18	32	45	53	..	31.9
Bardstown	Maximum	81	80	69	53	46	45	53	47	45	36	63	65	56	53	38	41	57	53	62	72	64	61	42	50	62	57	56	64	72	71	..	57.1
	Minimum	51	56	50	45	42	38	39	21	32	16	30	28	31	27	18	14	17	41	24	32	45	29	36	37	25	33	20	42	46	57	..	34.1
Bowling Green	Maximum	78	78	61	57	48	45	51	46	48	41	63	64	57	58	48	45	57	55	63	69	69	63	53	48	64	67	68	65	70	70	..	58.6
	Minimum	55	69	56	50	45	41	40	27	31	22	30	34	34	32	28	20	21	43	30	34	43	37	39	38	29	35	25	38	48	50	..	37.5
Danville	Maximum	76	80	65	58	51	45	48	43	48	38	61	62	57	51	36	41	57	52	59	70	64	62	43	50	61	58	63	63	73	68	..	56.4
	Minimum	51	56	50	43	43	37	37	29	28	19	30	30	29	26	17	15	18	40	25	33	40	35	33	33	24	31	23	43	41	56	..	33.8
Dix Dam	Maximum	76	80	70	54	52	50	48	44	42	38	61	63	59	46	40	41	57	55	60	70	64	62	48	52	63	57	59	64	72	68	..	57.0
	Minimum	50	56	54	36	36	38	38	24	33	29	34	31	33	40	22	19	21	43	29	33	44	35	37	38	29	34	25	42	58	56	..	36.3
Eubank	Maximum	80	81	61	55	56	51	45	43	51	42	59	60	40	45	40	45	57	53	59	69	63	61	44	50	58	52	59	63	70	70	..	54.4
	Minimum	50	51	50	46	42	38	38	24	30	14	29	30	30	25	14	12	15	30	21	29	32	30	33	25	23	31	33	41	42	50	..	32.5
Frankfort	Maximum	72	79	72	53	50	46	48	46	46	38	61	61	58	51	36	40	56	55	60	69	65	63	42	46	51	61	58	64	69	72	68	56.4
	Minimum	49	53	52	44	43	39	45	25	32	20	31	27	32	28	22	18	16	43	27	27	34	31	36	37	26	34	23	38	58	60	68	34.0
Franklin	Maximum	81	78	70	56	51	47	49	48	49	42	65	66	59	60	47	46	58	59	65	78	71	64	52	61	66	58	60	68	73	73	..	60.7
	Minimum	54	60	55	50	45	40	40	24	36	20	32	34	34	32	23	19	23	44	29	38	55	36	40	40	29	32	25	41	48	50	..	37.6
Glasgow	Maximum	76	76	63	54	49	46	49	44	51	40	60	61	56	56	39	44	56	55	59	69	65	61	47	50	60	53	54	63	67	70	..	56.2
	Minimum	56	57	51	48	43	40	32	25	32	18	32	32	27	28	21	16	26	33	26	35	47	38	40	38	28	34	19	42	49	52	..	35.3
Greensburg	Maximum	77	82	69	56	51	46	55	47	49	41	62	64	58	55	43	44	59	55	61	70	66	64	50	52	63	57	56	65	71	72	..	58.7
	Minimum	49	51	50	46	43	38	38	26	29	15	26	27	30	25	17	11	14	45	27	25	36	37	35	26	23	30	17	42	47	54	..	33.1
Irvington	Maximum	77	77	66	49	47	46	48	44	41	37	62	63	58	50	39	38	55	52	60	68	65	62	55	49	59	52	56	61	70	69	..	55.8
	Minimum	51	57	48	44	42	39	38	26	28	21	29	29	31	30	20	20	20	39	29	35	53	34	40	39	28	32	24	43	54	57	..	36.2
Leitchfield	Maximum	81	78	71	51	47	44	48	46	43	37	62	63	57	52	42	39	55	54	61	69	64	62	50	49	60	57	57	65	71	69	..	56.8
	Minimum	55	60	51	46	42	39	39	26	33	19	32	35	30	30	21	18	22	40	30	37	52	33	37	38	29	33	37	41	53	54	..	37.4
Lexington	Maximum	74	77	55	49	50	43	45	42	44	36	60	59	41	49	30	38	55	49	57	66	61	49	39	45	59	49	51	60	71	66	..	52.6
	Minimum	51	55	50	42	43	37	38	23	32	18	32	32	28	21	16	26	33	30	32	44	43	30	30	32	28	34	19	42	49	49	..	32.1
Louisville	Maximum	79	76	67	51	43	46	47	42	42	35	60	65	58	49	31	37	55	51	59	68	62	51	43	47	58	52	54	61	69	66	..	54.0
	Minimum	56	57	42	41	39	38	34	28	25	22	32	37	30	28	18	23	23	38	33	43	47	37	37	38	31	40	27	46	55	49	..	36.1
St. John	Maximum	80	77	65	63	60	45	52	40	41	45	55	59	47	54	45	40	42	40	45	60	67	57	50	45	40	37	53	60	60	73	..	53.1
	Minimum	66	55	40	45	30	37	37	21	21	30	37	38	26	27	20	21	25	20	26	33	44	27	35	32	30	25	38	38	43	35	..	32.2
Shelbyville	Maximum	81	78	67	48	46	45	48	43	43	35	61	60	55	51	34	37	55	51	59	67	64	60	45	49	58	52	58	60	70	67	..	54.6
	Minimum	55	57	47	42	41	37	38	23	27	18	29	28	29	26	19	16	19	39	27	34	44	31	35	37	26	32	20	37	47	53	..	33.8
Taylorsville	Maximum	77	76	68	51	...	46	48	42	45	36	60	60	58	50	38	38	55	52	58	65	63	61	41	48	58	51	53	...	60	68	..	52.7
	Minimum	47	54	51	...	...	30	40	24	29	23	28	26	30	20	21	15	15	36	26	26	35	29	35	34	23	34	22	32	53	...	..	32.1
Williamstown	Maximum	81	78	70	53	48	46	43	42	43	37	56	60	55	46	32	39	55	52	57	71	62	59	42	48	56	53	52	62	71	68	..	54.5
	Minimum	54	56	47	38	40	36	38	23	29	17	28	30	30	27	15	14	17	46	30	36	43	31	33	31	27	31	22	40	46	51	..	33.3
Eastern Division.																																	
Ashland	Maximum	80	78	73	53	52	52	46	42	45	37	59	55	55	39	34	33	54	54	53	65	68	61	55	46	56	51	61	70	67	..	..	54.8
	Minimum	47	56	51	43	46	41	41	30	32	22	34	27	31	29	24	14	16	46	32	30	36	38	34	34	28	34	31	37	36	55	..	35.4
Berea	Maximum	83	80	69	52	55	46	45	44	50	40	61	61	54	51	33	42	57	54	58	68	65	61	44	51	67	59	63	72	73	72	..	56.4
	Minimum	52	58	52	46	46	34	37	23	34	18	32	32	31	26	18	16	22	41	28	30	52	35	41	42	34	42	27	46	55	57	..	35.9
Farmers	Maximum	81	82	73	54	54	50	44	41	47	38	59	63	61	46	34	39	59	58	66	70	68	64	49	46	62	54	58	64	75	71	..	57.4
	Minimum	41	51	51	42	42	28	36	23	30	18	23	23	29	27	18	13	10	43	22	23	31	29	32	35	20	32	28	39	32	45	..	30.9
Harlan§§	Maximum	76	76	76	68	56	49	47	47	52	45	60	65	62	53	38	44	54	60	63	67	65	68	52	54	62	53	54	63	69	66	..	58.3
	Minimum	47	51	56	54	50	45	39	41	24	19	21	32	28	27	21	15	16	25	24	26	29	39	38	35	29	30	28	30	31	51	..	33.2
Heidelberg	Maximum	76	82	69	56	53	46	46	51	42	43	62	57	53	41	43	47	57	59	70	69	66	47	52	62	62	54	63	69	73	69	..	58.2
	Minimum	48	50	55	48	45	41	40	31	26	17	26	28	34	29	23	13	12	42	25	26	31	36	36	39	25	32	23	29	34	43	..	32.9
Maysville	Maximum	79	79	71	54	53	50	46	46	51	42	63	62	57	53	41	43	57	57	59	70	66	66	47	52	62	55	60	61	73	64	..	58.5
	Minimum	48	53	50	42	42	38	37	25	31	20	31	25	32	27	19	13	11	40	29	28	33	31	32	32	21	33	25	33	35	53	..	32.5
Middlesboro	Maximum	78	73	72	63	54	54	..	45	43	44	55	58	54	47	33	38	47	45	53	50	58	57	57	49	56	56	45	57	58	54	..	54.2
	Minimum	48	48	51	53	40	42	..	26	22	16	27	30	35	25	22	19	15	32	21	23	29	42	37	36	30	33	24	37	39	34	..	31.9
Mount Sterling	Maximum	77	80	65	50	53	45	42	34	45	33	58	55	49	30	30	34	54	52	55	68	60	60	37	36	60	41	49	53	54	53	..	49.0
	Minimum	50	54	48	42	42	37	33	31	26	14	26	25	28	26	18	15	13	29	25	32	37	31	32	35	23	31	20	37	39	40	..	31.6
Pippapass	Maximum	77	85	75	57	55	55	43	41	54	43	62	..	..	66	51	38	41	60	60	59	72	70	64	73	47	65	53	55	67	77	67	..	852.0
	Minimum	49	50	55	47	46	42	39	29	27	20	24	..	..	39	29	24	18	42	26	29	35	44	37	36	26	36	25	37	37	43	39	..	834.5
Quicksand	Maximum	84	84	65	55	58	56	41	46	52	42	69	63	59	53	36	41	57	58	57	66	68	63	52	49	62	56	61	65	73	69	..	58.2
	Minimum	47	49	50	44	44	38	37	27	24	18	25	26	32	28	22	14	12	31	24	28	40	36	35	29	26	31	25	34	36	39	..	31.4
Raymond	Maximum	84	84	82	60	50	50	48	45	48	45	64	66	62	49	42	46	60	62	62	72	68	66	55	60	70	62	64	72	77	77	..	64.1
	Minimum	59	60	58	45	45	41	39	25	32	18	32	33	36	27	20	18	23	45	36	40	50	37	38	37	32	38	23	44	40	55	..	37.1
Williamsburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	62	52	56	54	60	42	41	24	28	17	24	29	33	26	19	13	18	14	23	28	40	37	34	31	29	26	21	42	38	38	..	33.6

§§ Instrument are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

.. Indicate respectively 1, 2, 3 etc., days missing from record.

Louisville 12-23-33 1460

1.05
NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

LIBRARY OF THE
JUN 28 1934

CLIMATOLOGICAL DATA.

J. L. KENDALL,

VOL. XXXVIII LOUISVILLE, KY., DECEMBER, 1933 No. 12

GENERAL SUMMARY.

Except for a few cold days near the middle and in the last week, mild or decidedly warm weather prevailed. The dryness of the first two weeks and firmness of the ground in the fields favored the completion of corn gathering and removal of fodder. Most farmers finished the work at this time. Winter grains made little growth during this warm weather because of deficient soil moisture. The dry atmosphere almost entirely prevented tobacco stripping and greatly reduced the early movements to market. Moderate to heavy rain on several days near the middle of the month relieved the need for soil water and replenished supplies in eastern districts. In the decade of unseasonably high temperature following the rains, grass and winter grains made considerable growth. Wheat increased in size and spread out so as to perceptibly reduce the area of bare ground in fields. Pastures continued useful during this period. The humid air conditioned tobacco for stripping, which was packed rapidly until the end of the month. Heavy snow in the northern counties protected grains during the severe cold that brought an end to the warm weather on the 26th. Zero temperatures were registered at many northern stations. The sudden freezing of water-soaked fields in southern counties caused some damage to wheat. Following the cold wave, which lasted only three days, temperatures rebounded to previous high levels as the month closed. The short cool spell early in the month encouraged farmers to pack their meat. The unseasonable warmth that followed immediately caused much loss. For all other seasonal activities, the month was much more favorable than usual.

TEMPERATURE.

Temperatures 10° to 25° above normal prevailed through the first five days, in the decade from the 14th to 24th, and on the last two days. The only cold weather of consequence occurred in the period 26-29th, and centered about the 27th, on which minima ranged from zero to 10° above in most districts. Maximum temperatures of 65° to 70° were registered during the warm periods. The extremes were 75° on the 17th at Quicksand and −5° on the 27th at Shelbyville.

PRECIPITATION.

Precipitation averaged considerably above normal, but was deficient at a few northern and southeastern stations. Counties along the Ohio River below the mouth of the Licking, and also a few districts in the southeastern mountains received from 2.00 to 4.9 inches. In other parts of the State amounts ranged generally between 4.0 and 6.0 inches, with limited areas reporting 6.0 to 7.0 inches. Precipitation varied between 2.19 inches at Uniontown on the lower Ohio and 7.97 inches at Glasgow in the south-central part of the State. Light to moderate showers, scattered through the first week, culminated in heavy rain in the eastern division on the 6th. Moderate to heavy rains occurred generally in the period 14-15th, and snow or rain from the 16th to 27th. The total snowfall, mostly on the 26th, ranged from 2.0 to 4.9 inches in the northern counties, but was negligible elsewhere. Excessive rains were reported from the western and some central counties on the 16th and 17th. Dates with thunderstorms were: 2, 15, 16, and 17.

MISCELLANEOUS.

River.—The heavy rainfall from the 16th to 20th caused a moderate rise in the Ohio, which was the first rise of consequence this season. Tributary streams in the State were but little affected.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Average hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity. 7 a. m.	7 p. m.	Percentage of clearness.
Cairo ..... Ill.	30.12	30.69	28	29.56	10	10.7	26	n.	5	78	68	67	18
Cincinnati ..... Ohio	30.14	30.80	29	29.64	3	8.6	24	nw.	24	83	70	74	39
Evansville ..... Ind.	30.12	30.71	28	29.75	3	10.5	30	sw.	19	78	65	68	34
Louisville ..... Ky.	30.16	30.78	29	29.70	3	11.2	32	sw.	3	76	66	66	42

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Largest.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1879	59.2	+12.3	76	13	1.57	−2.45	5.15	0.06	....	..	..	..	..
1880	37.8	− 0.1	70	12	3.51	−0.61	7.70	1.78	....	..	..	..	..
1881	42.4	+ 4.3	70	15	4.10	+0.08	9.18	2.14	....	..	..	..	..
1882	34.6	− 3.3	74	− 3	4.22	+0.20	7.72	1.05	....	..	..	..	..
1883	39.0	+ 1.1	78	10	2.69	−1.33	4.55	1.80	....	..	..	..	..
1884	38.7	+ 0.8	76	11	4.31	+0.29	6.05	2.44	....	16	..	..	..
1885	38.8	+ 0.9	77	6	4.43	+0.41	6.68	2.28	....	9	7	..	15
1886	33.6	+ 1.7	70	7	1.82	−2.20	3.86	0.49	....	8	14	8	9
1887	38.0	+ 0.1	72	3	3.78	−0.27	6.07	2.26	1.6	16	5	8	18
1888	34.1	− 3.8	70	−12	2.74	−1.28	4.57	1.31	5.7	8	11	5	15
1889	34.8	− 3.1	70	−15	4.26	+0.24	6.22	2.43	2.6	10	12	8	11
1890	38.6	+ 0.7	70	12	2.59	−1.45	5.86	1.01	0.1	8	13	6	12
1891	32.3	− 5.6	72	−22	4.50	+0.88	7.79	1.56	5.7	10	8	7	16
1892	36.7	− 1.2	72	− 3	7.36	+3.34	11.97	4.05	2.1	12	7	5	18
1893	30.7	− 7.2	58	0	2.88	−1.14	4.85	1.09	2.0	7	16	6	9
1894	36.4	− 1.5	72	− 2	4.30	+0.29	6.51	2.98	2.3	11	10	5	16
1895	37.3	− 0.6	66	11	4.38	+0.36	6.12	2.00	1.2	8	11	5	15
1896	39.0	+ 1.1	76	− 9	5.64	+1.62	7.83	3.35	1.5	15	6	4	21
1897	38.5	+ 0.6	70	8	3.20	−0.82	4.48	1.50	1.0	11	8	5	18
1898	39.8	+ 1.9	74	7	2.42	−1.60	4.68	0.67	0.4	9	11	6	14
1899	29.9	− 8.0	79	−14	3.46	−0.56	4.77	1.17	3.3	9	10	5	16
1900	31.1	− 6.8	66	− 3	3.37	−0.65	4.80	2.12	6.6	8	11	5	15
1901	41.6	+ 3.7	74	11	6.25	+2.23	10.36	4.03	0.4	12	9	4	18
1902	37.2	− 0.7	73	6	3.98	−0.04	6.81	2.12	5.2	9	14	5	12
1903	39.5	+ 1.6	70	11	2.73	−1.29	4.11	1.21	1.6	7	10	6	15
1904	32.8	− 5.1	70	16	5.22	+1.20	9.45	3.37	7.7	14	6	4	21
1905	37.0	− 0.9	64	9	7.56	+3.54	16.62	5.30	3.3	12	10	5	15
1906	35.5	− 2.4	74	−14	4.28	+0.21	5.87	2.24	6.7	12	9	5	17
1907	26.5	−11.4	72	−21	2.01	−2.01	3.08	0.73	17.3	10	12	7	12
1908	43.8	+ 6.9	75	14	4.44	+0.42	7.10	2.24	0.7	12	10	7	14
1909	34.6	− 3.3	68	3	4.53	+0.51	7.80	2.15	1.0	7	12	5	14
1910	28.6	+ 0.7	68	4	2.80	−1.13	7.62	1.16	2.6	9	6	6	16
1911	41.7	+ 3.8	78	18	4.46	+0.55	6.56	1.25	0.1	7	10	5	15
1912	41.5	+ 3.6	77	5	5.41	+1.62	9.09	3.77	0.2	12	10	6	15
1913	40.6	+ 3.7	75	8	6.66	+2.88	9.73	4.00	0.3	11	7	5	19
1914	33.9	− 2.6	70	− 9	5.57	+1.93	11.12	3.96	1.2	18	5	5	21
1915	34.8	− 3.1	70	5	6.8	−3.33	1.04	0.25	1.7	7	12	4	15
1916	37.8	− 0.1	76	5	6.01	+1.99	11.23	2.7	6.3	12	8	5	18
1917	37.1	− 0.5	77	1	3.95	−0.48	6.79	1.15	0.7	10	14	4	13
1918	39.5	+ 1.6	72	5	2.32	−1.70	5.13	0.79	0.2	7	14	4	13
1919	32.0	− 5.9	75	9	2.72	−1.30	4.56	1.28	6.8	11	16	5	10
1920	35.1	− 2.5	70	12	2.21	−1.81	3.37	0.75	2.6	7	10	5	16
1921	41.4	+ 3.2	73	17	5.48	+1.46	8.19	2.43	0.1	12	7	5	19
1922	41.6	+ 3.6	73	8	5.82	+1.80	10.27	1.13	0.1	12	11	7	13
1923	41.2	+ 3.3	75	8	4.86	+0.84	7.57	2.41	1.4	10	7	5	19
Period	37.9	..	79	23	4.02	..	11.97	0.25	2.9	10	9	6	15

Climatological Data for December, 1933.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Eastern Division.																				
Beaver Dam	Ohio	441	29	46.0	+ 8.9	71	4	5	27	38	5.30	+1.55	1.25	0	11	10	8	13	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	457	29	46.1	+ 7.9	72	15	4	27	31	5.79	+1.54	2.80	0.2	9	6	12	13	sw.	W. A. Taylor.
Carlisle	Hopkins	420	43	48.4	+ 7.7	70	24	7	27	42	4.83	+0.85	2.15	T.	8	12	6	13	s.	Brick Southworth.
Barlington		356	4								3.82		1.96	0.8	9					W. D. Hatcher.
Ford's Ferry, Dam 50	Gallatin	419	16	43.8	+ 6.1	70	2	4	27	84	6.05	+1.78	2.50		8	11	13	7	s.	C. R. Lovell.
Greenville	Muhlenburg	382	19	42.8		71	5	2	27	37	2.45	−1.68	1.32	3.5	4	2	13	16	n.	Richard Stites
Henderson	Henderson	524	37	44.5	+ 7.0	71	4	7	27	37	6.08	+1.30	2.04	T.	10	6	6	19	se.	W. E. Graves.
Hopkinsville	Christian		4	44.6		69	1	8	27	33	3.65		1.00	0.2	9	11	6	14	s.	Blaine Malone.
Lovelaceville	Ballard		4	44.6		69	1	8	27	33	3.65		1.00	0.2	9	11	6	14	s.	B. C. Paris.
Marion	Crittenden	571	34	44.2	+ 5.9	70	23	4	27	35	2.50	−1.51	2.29		2	11	7	13	s.	Mrs. C. R. Sowell.
Mayfield	Graves	374	24	46.2	+ 6.2	67	4	10	27	33	5.09	+0.81	3.21	0	5	13	4	14	sw.	Harry B. Arnold
Murray	Calloway	412	7	45.2		73	4	8	27	40	5.80		3.60	0	8	12	6	12	s.	Henry S. Berry.
Owensboro	Daviess	479	36	41.3	+ 4.8	72	5	0	27	32	3.73	+0.07	1.31	2.0	5	7	9	15	s.	George McGlemary.
Owensboro, Dam 46	Daviess	404	5								4.29		1.21	5.4	10					C. J. Rhodes.
Paducah	Mccracken	316	16								3.56	−0.86	1.30	T.	8					J. W. Lilley
Paducah near	Mccracken	311	41								4.15	−0.21	2.20	T.	6					Dr. W. L. Cash.
Princeton	Caldwell	529	26	45.2	+ 6.8	74	4	7	27	41	6.11	−0.27	2.03	T.	12	10	6	15	s.	Thos. L. Wetzell.
Ramsey, Lock 2	Mclean	381	16								5.85	+1.93	2.15	T.	7					
Russellville	Logan	590	22	44.4	+ 5.0	70	15	7	27	29	5.26	+1.96	1.70	0	11	10	4	17	s.	Wm. Shelton.
Uniontown, Dam 41	Union	357	5								2.19		0.65	3.0	7					Earl Holder.
Central Division.																				
Albion, Dam 15	Breckinridge	352	5								5.11		1.37	2.5	12					C. L. Moore.
Auburn	Jefferson	709	32	42.5	+ 8.0	70	5	− 3	27	37	4.31	+0.39	3.08	4.2	5	12	7	12	ne.	C. E. Barret.
Bardstown	Nelson	637	36	44.0	+ 7.2	73	2	1	27	37	6.21	+1.59	2.90		11	12	6	13	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	509	31	47.2	+ 8.7	71	1	9	27	31	6.60	+2.06	2.10	T.	10	14	8	9	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	460	8								6.36		1.72		13					T. Rone
Brownsville, Lock 6	Edmonson	410	16								5.87	+0.96	1.95		11					Virgil M. Whalin.
Burkesville	Cumberland	773	42								5.32	+0.78	1.89	T.	11					T. A. Lewis
Danville	Boyle	880	34								3.84	+0.89	0.91	2.6	7					Shelby Angel.
Dog Run, Lock 1	Carroll	489	7								3.61		1.15	1.5	14					Reuben Hartley
Dood Spring, Dam 36	Campbell	489	7								3.61		1.15	1.5	14					Ralph C. Wyatt.
Danville	Boyle	840	6	43.4		71	21	2	27	28	6.13		1.95		12	8	13	15	s.	C. W. Williams.
Dry Fork, Buckin	Shelby	770	5	45.8		72	2	8	27	39	4.54		1.13	2.0	10	8	7	16	sw.	Mrs. Katie Payne.
Eminence	Pulaski	1177	38	44.3	+ 7.9	72	2	4	27	32	6.15	+2.28	2.20		6	10	3	18	n	Sidney Wood.
Frankfort	Franklin	560	41	43.8	+ 6.6	71	2	−1	27	34	5.46	+1.76	2.11	2.0	7	9	6	16	w.	M. E. Johnson.
Franklin	Simpson	691	38	48.2	+ 8.0	70	24	8	27	32	6.29	+1.68	2.18		12	13	6	13	s.	Louis Shiddell.
Frenchburg											4.52	+0.62	1.58	2.5	11					
Gest, Lock 3	Henry	490	22								7.97		2.22		15	10	7	14	s.	F. Everett Frei.
Glasgow				46.6		71	21	7	27	36	2.85		0.84		9					H. W. Sprague.
Greensburg, Dam 38	Boone	780	8								3.85		0.81		9					
Harrodsburg	Green	588	40	45.7	+ 9.4	73	2	4	27	40	5.32	+0.98	1.65	T.	11	2	4	25	s.	Mrs. Bettie K. H. Alcorn
Hitch Rebuts, Lock 7	Mercer	544	31								4.23	−0.25	1.12		12					Miss Ruby L. Simpson.
Irvington	Yessamine	646	35	43.2	+ 6.5	70	15	0	27	27	5.94	+2.00	2.48	3.0	9	6	9	16	sw.	W. J. Piggott
Lancaster	Breckinridge	1032	7								5.55		1.15		9					Walter Killion.
Lawrenceburg	Garrard	780	37	44.6	+ 8.0	69	5	4	27	30	6.67	+1.84	2.60	T	11	9	8	14	sw.	H. H. Willis.
Leitchfield	Grayson	655	37	43.8	+ 4.0	70	2	− 1	27	33	5.23	+1.05	2.12	2.0	14	4	11	18	e.	U. S. Weather Bureau
Lexington	Fayette	989	49								4.59	+0.88	1.12		9	4	11	16		Horace Carter.
Lock and Dam 5	Jessamine	560	22								5.53	+1.70	1.86	4.5	10					Frank Litch.
Lockport, Lock 2	Henry	455	23								3.69	−0.05	1.66	4.3	13	4	7	20	s.	U. S. Weather Bureau
Louisville	Jefferson	525	60	41.7	+ 4.1	68	15	0	27	26	6.14	+1.59	1.90	0.2	8	20	2	9		A. G. Hubbard.
Maceo	Hart	600	13								4.66	+0.01	1.55		9					Sisters of Loretto
Mt. John	Hart	777	37								5.23	+1.21	1.77	4.0	11	5	15	no.		Ernest M. Searcy.
Nepton, Lock 6	Mercer	520	19								5.23	+1.21	1.77	4.0	11	5	15	no.		Miss Ruth Ritts.
Shelbyville	Shelby	825	44	41.6	+ 6.2	70	5	− 5	27	32	5.44	+1.04	8.82	0.5	8	18	4	9		Elizabeth H. Bourne.
Taylorsville	Spencer	489	31	40.6	+ 5.4	69	2	0	27	33	5.44	+1.04	8.05	T.	14					H. K. Vaughn.
Tyrone, Lock 57	Anderson	504	15								7.37	+2.99	3.63	2.5	10	7	5	19	w.	Miss Nettie B. Simpson.
Wilmington	Grant	947	20	41.4	+ 7.3	69	5	0	27	30	3.63	+0.12	1.72		8					H. J. Lewis.
Woodburn, Lock 4	Bushel	504	16								6.08	+1.75	1.85		8					
Eastern Division.																				
Annville	Jackson										6.51		1.25	T.	11	9	6	16	sw.	W. A. Worthington.
Ashland	Boyd	534	14	42.9	− 3.6	71	5	4	27	34	4.66	+1.59	1.18	1.0	13	6	5	20	sw.	Jacob Armbruster.
Berea	Madison	1050	28	45.4	+ 8.8	70	24	2	27	36	5.56	+1.19	1.36	0.8	12	13	4	14	s-w.	Chas. C. Graham.
Boonesboro, Lock 11	Madison	611	28								4.29	+0.60	1.45		10					Kelly Walden
Cynthiana	Harrison	641	15								4.56	+0.37	2.45	2.0	5					P. H. Rule.
Falmouth	Pendleton	666	44								5.76	+2.35	1.99	3.5	10					J. V. Oldham.
Farmers	Rowan	668	26	42.8	+ 6.6	71	21	0	27	41	5.17	+0.94	1.21		10	6	9	16	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	8								6.41		2.65		9					C. A. Glascock
Frankfort, Lock 5	Clark	637	17								4.18	−0.69	1.05		12					John A. Walters.
Hazel Lock 10	Carter	589	8								3.52		0.95		7					Col. Frank Towers.
Grayson	Greenup	510	13								4.58	+1.34	1.69	2.0	13					T. Mitchell.
Greenup, Dam 30	Harlan	1135	5												4					W. W. Duffield.
Harlan	Perry	869	9								4.78		1.15	T.	14					Chas. O. Ibrig.
Hazard	Lee	663	16	47.2		74	17	6	27	42	5.39	+0.69	1.27		9	6	4	21	w.	S. C. Cole.
Heidelberg, Lock 14	Leslie	1506	9								4.64		1.16		12					R. R. Davidson.
Jenkins	Letcher	1506	9								3.63	+0.13	0.90			12				Russian Copley.
Louisa	Lawrence	581	29								6.25	+1.56	1.50		8					Jeanett H. White.
Manchester	Clay		13								6.17	+2.34	2.28		14	6	9	16	sw.	Perry E. Bennett
Maysville	Mason	501	36	41	+ 7.2	70	17	1	25	33	2.68	−1.95	0.70		9	10	15	6		Matthew Woodson
Middlesboro	Bell	1128	37	44.5	+ 6.1	66	1	13	27	33	6.16	+1.88	1.53		13	11	6	14	nw.	W. R. McKee.
Mount Sterling	Montgomery	960	43	39.9	+ 3.6	70	17	− 2	27	27	3.45	−0.29	0.97	2.0	11					Otto Riddle.
Newport, Dam 6	Campbell	497	6								4.70		1.00		12					Eugene Daniel, Jr.
Owingsville	Bloyd	967									5.33	+1.55	1.43	T.	11					Robert Repass
Pikeville	Pike	666	27								4.84		1.33	T.	11	16	0	15		E. W. Summerfield.
Pineville	Knox	1095		47.5		74	23	11	27	42	5.84		1.33	T.	9					R. W. Jones.
Quicksand	Breathitt	782	7	41.7		75	17	6	27	47	4.75	+1.08	1.17		12					Walter P. Bush.
Salyersville	Magoffin	931	15								5.15	+1.17	1.50		10	11	1	19		J. W. Crooke.
Sandy Hook	Elliott	826	42	44.4	+ 6.5	70	3	4	27	36	5.37	+1.00	0.96		12					Thos. Sullivan.
Vanceburg, Lock 1	Lewis	554	20								5.46	+2.24	1.05		9					H. M. Branin.
Warfield, Dam 34	Martin	565	18								3.30		0.98	T	8					G. H. Zimmerman.
Williamsburg	Whitley	1102									5.27	+0.79	1.04		11					H. F. Davis.
Worthington	Boyd	600	26	43.4	+ 4.3	68	2	10	27	32	4.94	+0.97	3.09	1.4	10	9	7	15	s.	Cleveland Angel
Wurtland, Lock 16	Lawrence	616	11																	

† Records for Louisville, Jefferson County, Kentucky, and Evansville, Vanderburgh County, Indiana, are combined only for such stations as have ten or more years of record, but all complete reports are published in the Kentucky section of this publication. Kentucky, Barkley, Nickajack and Newburgh are Locks on the Green River; other Locks are on the Kentucky River and its tributaries, except Locks 52 to 53 inclusive, which are on the Tennessee River.

‡ Records for Louisville, Jefferson County, Kentucky, and Evansville, Vanderburgh County, Indiana, are combined only for such stations as have ten or more years of record, but all complete reports are published in the Kentucky section of this publication. Kentucky, Barkley, Nickajack and Newburgh are Locks on the Green River; other Locks are on the Kentucky River and its tributaries, except Locks 52 to 53 inclusive, which are on the Tennessee River.

a Temperature data for 8 days; precipitation data for 9 days. b Temperature data for 9 days; precipitation data for 10 days. c Temperature data for 10 days; precipitation data for 11 days. d Temperature data for 11 days; precipitation data for 12 days. e Temperature data for 12 days; precipitation data for 13 days. f Temperature data for 13 days; precipitation data for 14 days. g Temperature data for 14 days; precipitation data for 15 days. h Temperature data for 15 days; precipitation data for 16 days. i Temperature data for 16 days; precipitation data for 17 days. j Temperature data for 17 days; precipitation data for 18 days. k Temperature data for 18 days; precipitation data for 19 days. l Temperature data for 19 days; precipitation data for 20 days. m Temperature data for 20 days; precipitation data for 21 days. n Temperature data for 21 days; precipitation data for 22 days. o Temperature data for 22 days; precipitation data for 23 days. p Temperature data for 23 days; precipitation data for 24 days. q Temperature data for 24 days; precipitation data for 25 days. r Temperature data for 25 days; precipitation data for 26 days. s Temperature data for 26 days; precipitation data for 27 days. t Temperature data for 27 days; precipitation data for 28 days. u Temperature data for 28 days; precipitation data for 29 days. v Temperature data for 29 days; precipitation data for 30 days. w Temperature data for 30 days; precipitation data for 31 days. x Temperature data for 31 days; precipitation data for 32 days. y Temperature data for 32 days; precipitation data for 33 days. z Temperature data for 33 days; precipitation data for 34 days.

* Temperature data for 34 days; precipitation data for 35 days. † Temperature data for 35 days; precipitation data for 36 days. ‡ Temperature data for 36 days; precipitation data for 37 days. § Temperature data for 37 days; precipitation data for 38 days. ¶ Temperature data for 38 days; precipitation data for 39 days. ** Temperature data for 39 days; precipitation data for 40 days. †† Temperature data for 40 days; precipitation data for 41 days. ‡‡ Temperature data for 41 days; precipitation data for 42 days. §§ Temperature data for 42 days; precipitation data for 43 days. ¶¶ Temperature data for 43 days; precipitation data for 44 days.

a Lock 1, Carrollton, Ky.; Lock 2, Lockport, Ky.; Lock 3, Gest, Ky.; Lock 4, Monterey, Ky.; Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Lock 11, Boonesboro, Ky.; Lock 12, Clay City, Ky.; Lock 13, Irvine, Ky.; Lock 14, Heidelberg, Ky.; Lock 15, Beattyville, Ky.; Lock 16, Wurtland, Ky.; Lock 17, Greenup, Ky.; Lock 18, Riverton, Ky.; Lock 19, Portsmouth, Ohio; Lock 20, Sciotoville, Ohio; Lock 21, Buena Vista, Ohio; Lock 22, Ohio River, Ky.; Lock 23, Ohio River, Ky.; Lock 24, Ohio River, Ky.; Lock 25, Ohio River, Ky.; Lock 26, Ohio River, Ky.; Lock 27, Ohio River, Ky.; Lock 28, Ohio River, Ky.; Lock 29, Ohio River, Ky.; Lock

Daily Precipitation for December, 1933.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Bardstown			.45			.20							.01			1.06	1.01	1.06	1.00	.15												
Benton						.05							.02			.02	2.00	.02	1.00	.05												
Bowling Green	T		.02			.35							T	T	T	.50	.10	.02	1.00	.05												
Cedar Ferry Dam 5	T		.10			.05							1	T	.30	.08	.01	.02	.05	.10		.05										
Greenville			.20			.60										1.20	.01	.02	.05	.10				T	T							
Henderson						.04											.01	.01														
Hopkinsville	T		.14		.01	.71								T	T	.20	.01	.05	.02													
Lawrenceville		.15			.18											.10	.05	.15	.02				T									
Madisonville			T													.25	.01	.03														
Marshall																	.20	.01					T		T							
Mayfield						.33										.01	.01	.01														
Murray		.06	.05			.35							T	T	T	.02	T	.01	.01	.15			T		T							
Owensboro					T									T		T	.01	.02	.14													
Owensboro, Dam 46	.01		T			T								T	T	.80	.10		.15				T									
Padueah	.11		.10			.28								T	T	.85	.20	.04	.02	.03	T											
Paducah (near)	.10		.30											T	T	.20	.04	1.00	.45	.1												
Paroquet		.01			.20											.02	.01	.01														
Rising Sun Lock No. 2													.01	.01	.03	.02	.02	.05	.01													
Russellville	.08		.10			.05										.60	.02	.01	.15	.05			.01									
Uniontown, Dam 49	.05		T			.42							.01			1.70	.04	.06	.10	.05												
Central Division						.37							T	T	T	.40	.04	.03	.17				T									
Addyston, Dam 15	.01		.09			T							T	.01	.02	.05	1.07	.09	.20	.07	.02				.05	.15	T			T		
Anchorage		T	T										F	T		.08	.02		.02	.03												
Big Isaac			.04			.22										.04	.02	.02	.02	.01												
Bowling Green			.21			.18										.04	.06	2.50	.06	.05	.14		.10									
Bowling Green, No. 2	.01		.16			.06							.05			.02	2.10	1.50	.24	.09	.20				T							
Brandenburg, Lock No. 6			.20			.03							.03	.03	.01	.08	1.72	.06	.16	.07												
Burnside			.03			.03								.02	.01	1.50	.85	.24	.02	.08	.04											
Carrollton (Lock No. 1)			.14	.11		1.25							.06	T		.30	.24	.22	1.05	.42				.02	.05						
Cold Spring, Dam 86		T				.10										.01	.01	.05	.01	.02				.02	T	T			T			
Danville			.08	.01		.08				.01				T		.01	.15	.05	.31	.01	.02											
Dix Dam, Burgin		.18				.50							.01	.01		1.05	.16	.04	1.44	.20				.02	.10							
Eubank																.05	.10	.20	1.13	.60				.07								
Frankfort	T		T		.19	2.20											1.10	.08		1.25	.40		T		.30							
Franklin	.05				.01	.05							T	T	T	1.65	2.11	.22	.45	.67	T		T	T		.01	T					
Gest, Lock No. 3			.03										.01	.05		2.18	.05	.01	.75	.31					.24							
Glasgow	T		.51			.12	1.50	.02		T			.03	.01	1.02	1.58	.45	.42	.83				.02	.02	.35							
Grant, Dam 38			.05	T		.16			T				.02	.01	.01	.02	.30	.20	1.17	.26			.06		.39							
Greensburg														.02	T	.81	.24	.25	.42	.52	T	T		T	.15	T			T			
High Bridge, Lock No. 7			.12	.07		.50							.03	T	.01	1.05	.56	1.15	1.44	.58	.01		.01	.02	.42							
Irvington													T	.02	T	.54	1.12	.20	.75	.05			.01	.02	.42							
Lancaster		.24			1.15							.03	T	.04	T	2.48	1.57	.10	.90	.28			.22		.15							
Leitchfield																.80	.03	.12	1.12	.01												
Lexington			.02			.15							T		.02	T	1.53	2.60	.42	1.13	.15				.35							
Little Beckman, Lock No. 8			.05		.07	.06							.03	T	.01	2.12	.48	.08	1.31	.28	T		.07	.05	T							
Lockport, Lock No. 2			.20			.45										.48	.30	.13	1.12	.80			.10	.05	.27							
Louisville														.01	.22	1.88	.65	.08	.02					1.15	.40	T			T			
Munfordville			.08			.16							.02	.02	.48	.02	1.08		.70	.02			.04	.25	.12				T			
St. John																																
Salvisa, Lock No. 6						.22																										
Smithville			.07			.37										1.70	.55	1.01	1.80				.17									
Taylorsville						.11								T	T	.20	1.55	.20	.82	.12					.25	.1	T			T		
Tyrone, Lock No. 5						.51								.05	.02	1.48	1.77	.2	.74	.06			.08		.40							
Versailles			.05	.8									T	.01	.05		3.52		.75		T				.46							
Wickliffe			.05			.11							.03	.03	.04	.05	.20	.01	.60	.06			.12	.27	.45							
Woodbury, Lock No. 4																.05	1.72	T	.88	.93	.10	.05	.05		.05							
Eastern Division																1.58	1.16	1.14	1.10	.24					.05							
Annville		.03		.35		.25																										
Ashland			.31	.20		.30										1.66	.74	.11	1.25	.87				.04	1.09	.02						
Beren			.20			.21				.02						.20	1.03	.03	.46	.32				.01	.42	.03						
College Hill, Lock No. 11			.20		.21	1.01							.03			.21	.04	.01	1.46	.34			.01		.44							
Cynthiana			.20			.70									T	.06	1.45	.18	.03	1.12					.30	.04						
Falmouth			T		T		T						T			1.75	.46	.06							.29	.10						
Farmers		.01	.03						T							.01	.01	1.90	1.62	.02	.51	.58	T						T			
Flemingsburg		.04	.21	.03		1.21										.70	.81	.20	.41	1.04					.48	T			T			
Ford, Lock No. 10			.40			.88										.70	1.15	.05	.59	.54			.21	.01								
Grayson		T	.15	.11		.70								T	.01	.55	.40	.07	.61	1.05	T		.35	.15					.10			
Greenup, Dam 30				.22			.45									.74	.15	.08	.32	.76			.15	.20	.02							
Harlan			.01	.22	T	.22						.03		.02		1.68	1.60	.07	.04	.03	.32											
Hazard																								.18	.25							
Hendaberg, Lock No. 14		.14		.20	.05	.90	.12						.18	.01		.20	.10	.10	.72	.40												
Jenkins				.11	.15	1.27										.02	.41	.18	.01	.90					1.15	.06						
Louisa					.40	1.05	.10							.02		.10	.35	.25	.84	.65					.84	T						
Manchester		.54			.55	1.50										.60	.45	.15	.26	.90					1.16	.06			.41			
Maysville		.02		.03	.81											.07	.20		.02	.40				.10	.50	.10						
Middlesboro						.09				.04				T		1.79	2.57	.11	.10	.08	.06				1.45							
Mount Sterling			.70			1.02						.16	.05	.01		.06		.14	.06					.14	.32	.01						
Oneonta Dam 35		T.	.48			.85							.25	.03	.04	1.10	.03	.11	.03	.50					.18							
Prestonville		T.	.04	.01		.06						.01		T	T.	.05	.80	.53	.16	.07	.02				.17	T.			.01			
Pikeville			.14	.14	.10	1.09										.16	.78	.17	.23	.05	.02			.30	.90				T.			
Pippapass		T	.20	.25		1.25	T	.20					.12	T		.20	.11	.08	.42	.65	T.		T	1.43							
Quicksand		.05	.27			1.33		.02								.75		.20	1.02	.10			.05	1.03	.02						
Ravenna, Lock No. 12		.19		.16		1.15										1.00	.45		.50	.65			.11	1.33		T					
Richmond	T.	T.	.50			.80								T.		.06	.61	.06	.28	.57					.27	.8			.06			
Parker View, Lock No. 9		.21	.24			.63							T			.05	.90	.40	.20	1.30	.70		.10	.20								
Washington, Dam No. 32													.11			.75	.35	.38	.30	.06			.20	.55	.17						
Whitesburg				.19		.14																										
Williamsburg					.06	.78	.09									1.90	1.55	.22	.05	.20				.13	.17				.11			
Willow, Lock No. 13		.02		.45		1.16													.07	.11	.20			.06	.07				T.			
		.15	.18		1.03								.15			.70	.40	.20	.85	.78				.05	.05							

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded [illegible] hours ending at the date of observation.

(Reference mark *) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation begins at 1 in the morning, amounts here recorded [illegible] for the preceding 24 hours. [illegible] precipitation [illegible] with gauge as noted.

- Separate dates of fall not recorded. T. Trace, or less than .005 inch.

River drainage area in which station is located is indicated as follows: (P) Big Sandy; (L) Licking; (K) Kentucky; [illegible] Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

[illegible] Long Oak

Daily Temperatures for December, 1933.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	69	66	67	71	74	68	54	55	48	60	57	42	42	48	68	68	67	68	69	67	58	65	70	67	53	43	23	33	43	54	59	57.9
	Minimum	48	39	53	33	51	39	21	30	50	30	31	24	31	34	47	52	48	43	44	38	31	32	40	45	25	19	5	12	19	26	42	34.1
Calhoun	Maximum	69	69	67	69	70	66	51	52	44	59	59	34	39	47	72	69	66	57	63	66	57	63	70	68	48	42	24	19	4	11	18	55.7
	Minimum	45	44	56	38	51	39	43	37	31	33	31	23	34	34	47	40	37	48	47	38	35	41	46	42	24	19	4	11	18	30	45	36.5
Earlington	Maximum	68	70	67	63	70	62	51	50	42	60	57	35	42	50	70	65	66	55	62	58	55	61	70	65	42	41	33	31	40	50	60	55.4
	Minimum	49	43	58	35	57	39	22	38	32	32	33	26	33	36	50	51	46	43	47	34	36	40	49	39	25	32	7	18	18	28	47	37.2
Greenville	Maximum	68	70	62	69	69	62	50	51	43	59	55	38	39	..	..	..	..	..	..	63	60	58	63	68	60	55	40	20	31	42	59	64	*54.7
	Minimum	47	43	54	34	52	37	20	35	50	29	33	24	32	35	40	51	55	42	46	37	32	37	45	48	24	18	4	10	18	26	48	34.9
Henderson	Maximum	67	67	65	69	71	60	55	49	43	60	55	33	37	46	71	71	64	56	62	62	57	54	67	70	63	38	56	18	27	37	57	57	53.8
	Minimum	42	41	54	37	51	36	22	28	32	31	28	21	32	34	31	42	53	39	39	29	37	35	37	37	37	20	9	2	7	15	27	44	32.0
Hopkinsville	Maximum	66	68	63	71	61	50	50	55	43	58	54	37	44	55	68	62	66	55	63	51	55	64	70	61	45	41	22	35	44	59	60	55.1
	Minimum	51	47	55	34	47	38	24	31	31	31	32	27	33	38	53	57	54	43	47	37	31	34	38	44	28	19	7	14	19	29	43	35.9
Lovelaceville	Maximum	69	69	66	68	67	62	52	50	48	60	55	36	50	56	68	69	60	56	59	59	54	62	65	62	40	39	22	33	44	53	62	54.4
	Minimum	50	44	62	32	52	35	19	28	31	31	31	27	33	37	51	49	55	40	46	34	36	45	60	70	40	37	17	28	40	58	60	55.4
Marion	Maximum	61	67	70	70	70	61	52	46	48	60	59	33	40	48	76	68	67	65	68	66	62	65	68	66	49	36	26	11	4	10	11	28	33	53.0
	Minimum	49	46	58	40	52	35	22	34	33	35	36	24	32	31	47	46	40	40	38	34	36	45	48	36	26	11	4	10	11	24	33	38.5	*36.6
Mayfield	Maximum	66	..	68	67	68	59	54	49	..	53	54	49	54	66	..	..	..	64	58	55	56	60	66	62	57	52	50	45	42	..	58	*55.8
	Minimum	52	..	48	38	53	37	23	31	..	34	29	24	30	36	..	..	..	52	42	42	35	34	39	45	45	24	21	20	26	47	60	63	55.8
Murray	Maximum	64	70	64	73	64	62	53	52	49	60	52	35	49	62	70	65	65	57	58	53	56	58	64	68	40	40	24	17	8	13	18	24	13	81.5
	Minimum	50	39	45	33	45	34	18	36	33	30	33	28	33	37	46	50	56	38	43	36	37	42	52	67	40	40	25	13	22	33	45	60	51.3
Owensboro	Maximum	61	63	55	66	72	64	39	43	52	56	54	34	37	44	46	52	59	44	46	36	31	34	40	55	29	16	6	7	11	25	40	32.2
	Minimum	41	40	53	34	45	34	19	20	28	35	28	21	30	40	44	44	42	39	44	32	30	31	34	40	25	10	4	4	7	11	20	26	30.1
Paducah (Iucar)	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Princeton	Maximum	65	69	63	74	68	60	53	51	44	60	49	36	43	55	71	67	66	57	61	45	47	61	73	66	44	41	22	34	45	61	61	55.6
	Minimum	51	46	48	33	51	33	21	30	33	30	29	26	33	37	54	53	55	45	46	36	31	32	35	39	23	16	7	13	18	29	45	33.8
Russellville	Maximum	62	69	62	67	67	45	48	55	42	56	56	36	42	55	67	67	66	65	66	65	59	62	67	68	45	43	27	33	47	60	63	58.7
	Minimum	48	42	55	35	46	28	22	31	30	30	32	28	30	37	39	56	51	45	46	36	33	37	41	48	25	30	7	10	18	25	37	35.0
Central Division.																																	
Borage	Maximum	57	69	65	64	70	56	56	50	41	48	49	30	35	53	67	63	66	62	60	58	43	62	68	58	30	36	26	21	22	51	57	52.6
	Minimum	33	43	50	46	43	34	18	23	25	24	25	18	28	30	52	51	53	49	55	29	37	34	48	36	22	12	2	1	11	28	45	32.3
Bowling Green	Maximum	61	75	67	68	71	63	50	57	46	56	54	33	39	46	67	67	66	63	64	56	56	57	69	68	48	36	25	18	11	17	25	36	53.6
	Minimum	50	48	53	40	58	45	41	27	31	34	35	26	35	38	50	46	50	47	47	40	39	37	40	35	25	15	1	10	10	27	35	38	54.1
Brooksville	Maximum	59	68	57	60	62	41	21	29	38	37	34	25	32	45	56	51	52	46	48	47	46	49	57	60	57	54	54	44	40	53	53	57	58	59	54.1
	Minimum	35	38	57	30	42	41	21	20	28	27	29	23	28	33	40	49	53	42	46	40	36	33	39	44	36	25	23	21	23	37	38	39	42	40	32.8
Calhoun	Maximum	61	71	66	66	71	67	48	52	45	56	51	32	45	54	70	66	66	58	62	58	54	62	67	68	45	43	27	29	37	43	52	55	60	56	56.2
	Minimum	41	43	58	40	47	38	21	29	26	26	28	19	33	45	45	54	42	42	46	37	32	33	39	44	32	28	22	18	22	28	42	45	50	46	35.3
Danville	Maximum	64	72	67	65	65	65	65	53	49	50	41	33	45	55	64	64	64	60	60	60	60	64	65	66	62	41	32	28	42	55	60	56.2
	Minimum	43	35	56	47	50	38	26	30	29	24	24	21	25	35	54	51	50	46	48	40	37	36	41	46	32	27	18	16	20	25	45	46	55	54	35.1
Elkton	Maximum	64	72	67	66	67	61	48	48	50	49	50	43	61	59	65	64	67	63	65	53	52	45	56	45	36	36	36	33	27	25	4	17	16	22	86	52.6
	Minimum	42	45	48	36	41	33	20	27	26	25	26	20	31	35	45	45	44	42	44	36	32	30	39	35	24	23	13	12	17	21	21	24	32	30	86	84.1
Franklin	Maximum	60	71	67	64	70	60	60	50	52	44	47	34	31	38	41	64	66	68	66	60	59	59	65	64	63	65	57	49	33	37	47	50	58	57.6
	Minimum	35	38	57	30	42	41	21	29	28	27	29	23	28	33	40	49	53	42	46	40	36	33	39	44	36	25	23	21	23	37	38	39	42	40	32.8
Frankfort	Maximum	68	76	66	70	65	63	52	55	54	58	61	35	45	53	70	66	66	58	62	56	55	61	68	65	57	49	32	27	29	37	46	49	56	58	56.2
	Minimum	50	45	56	40	50	40	25	26	30	42	35	27	34	40	57	58	55	48	50	46	44	52	49	46	46	44	32	15	21	26	40	41	49	50	39.8
Glasgow	Maximum	62	71	67	64	66	62	47	55	47	56	52	35	48	56	71	65	67	66	66	59	55	65	69	66	49	44	32	27	31	42	49	51	56	58	56.7
	Minimum	49	45	52	38	50	32	21	26	29	28	31	25	32	38	55	48	52	42	46	36	31	35	40	42	32	28	21	7	10	19	27	31	40	42	35.5
Hardinsburg	Maximum	62	73	63	67	68	61	50	55	48	56	52	38	38	46	56	53	56	54	55	47	47	57	57	58	52	51	34	29	32	42	47	49	52	53	51.3
	Minimum	51	35	55	45	42	39	20	27	28	32	31	22	32	35	49	54	54	45	47	37	37	37	40	45	36	32	13	26	27	35	37	39	42	42	37.2
Lexington	Maximum	60	68	64	64	68	63	48	50	41	53	50	32	35	46	50	60	64	56	61	59	56	61	67	66	44	35	25	15	0	6	16	20	45	48	48.1
	Minimum	41	41	53	42	43	37	23	34	29	28	31	30	34	46	49	50	51	42	46	40	36	40	44	43	37	31	24	14	11	16	20	26	37	39	36.9
Louisville	Maximum	67	68	65	65	69	62	49	50	42	61	54	33	36	46	56	62	65	55	64	61	57	64	67	68	49	44	32	27	33	44	52	54	58	59	53.4
	Minimum	41	42	55	39	52	40	24	26	29	29	29	24	31	35	46	51	53	42	47	39	35	40	46	46	40	31	18	16	23	28	34	37	43	47	38.7
Owingsville	Maximum	56	66	66	62	66	41	47	50	35	45	33	30	41	41	55	57	47	47	55	46	46	46	56	58	46	31	14	1	1	14	16	34	34	36	36.9
	Minimum	36	36	56	32	46	41	47	47	30	35	45	33	30	41	45	46	45	41	43	31	33	37	38	38	34	26	1	1	1	14	16	24	30	34	32.4
Lexington	Maximum	58

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

J. L. RENDALL,

VOL. XXXVIII LOUISVILLE, KY., ANNUAL, 1935 No. 13

GENERAL SUMMARY.

Unseasonable warmth in January started growth that benefited undersized grains but made fruit buds vulnerable to the severe cold of early February. Moderate temperature and light precipitation late in February and early in March favored the sowing of plantbeds and the beginning of plowing. After this the cold, wet, and windy weather of March obstructed spring work. Persistent rains and low temperature through April, and rains in the first half of May, greatly retarded plowing and planting. On the average the work was delayed about a month, and was set forward into hot weather when rapidly drying soil made operations increasingly difficult. Progress in early planting was almost entirely confined to the well drained eastern uplands. The unfavorable weather of April caused tobacco plants to develop very late, and was therefore mainly responsible for the disproportionate size of the late crop. The dry, hot June generally ruined early potatoes, kept tomatoes from setting on, delayed the early growth of tobacco, and caused wheat to ripen prematurely. The prospect of imminent crop failure was changed to a fairly favorable outlook by the heavy rains in July. These rains not only gave corn and tobacco a vigorous start but they opened the way to extensive planting of late potatoes and late forage crops. Favorable weather in August and a very warm September accelerated growth, and developed corn, tobacco, and tomatoes that under normal conditions could not have matured. Light rainfall and seasonal sunshine in October, as well as the late date of killing frost, permitted all crops of consequence to mature; thus bringing to an auspicious conclusion a season that had begun under exceptionally unfavorable circumstances. Abnormal cold in November reduced winter grains to dormancy while too small. but extended warmth in December caused some growth. Dry weather in November and the first half of December delayed the preparation of tobacco for market.

The Weather By Months.

JANUARY.---Temperature conditions were similar to those of the exceptionally warm Januarys of 1890 and 1932. Heavy rains late in the month caused some flooding of lowlands. Frequent precipitation favored handling tobacco.

FEBRUARY.---Unusually growth was checked by the cold weather of the first half. Grains had considerable snow protection during the coldest weather.

MARCH.---Wheat started very slowly but showed little winter injury. Heavy rains from the middle of the month onward caused extensive flooding. Stages in the Ohio River were the highest since 1913.

APRIL.---Tobacco plants came up about 10 days late and advanced very slowly. The flat uplands and bottoms of the western counties remained water-logged, causing stunting and yellowing of grain. Spring seeding was much reduced.

MAY.---Some tobacco plants reached transplanting size toward the end. Seeding tobacco and planting of corn proceeded as land could be prepared. The delayed activities of spring were crowded together in the last two weeks.

JUNE.---The heaviest rains of the year interfered with planting and cultivation. Corn planting could not be finished and some tobacco in hill districts could not be set. Pastures dried toward the end.

JULY.---Good rains brought relief locally early in the month and heavy rainfall more generally in the last week. Previous to the rains, and in some northeastern counties not reached by them, crops continued to suffer.

AUGUST.---Excessive rains in the central counties caused some flooding. Early tobacco developed rapidly, and ripened toward the end in the Burley district. Corn grew normally but showed the effects of the preceding dryness in suffer ears.

SEPTEMBER.---Mid-summer heat was relieved by showery periods of considerable length. The combination of heat and dampness caused some sweating of recently housed tobacco. Cotton developed exceptionally well.

OCTOBER.---Except in the southeastern counties, moisture was sufficient for plowing, seeding and germination. The coolness of the first decade was unfavorable for late housed tobacco.

NOVEMBER.---Cold weather and freezes in the first half delayed the drying of corn. The drought in southeastern districts became worse, with complaints of shortage of water for livestock.

DECEMBER.---General rains restored soil moisture, and the accompanying warmth revived winter grains, but severe cold in the last week stopped all growth.

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature: Mean.	Departure from normal.	Highest.	Lowest.	Precipitation: Average for the State.	Departure from normal.	Greatest monthly.	Least monthly.	Annual.	Snowfall: Total for season.	Greatest monthly.	Number of days with 0.01 inch or more.
1892	55.6	−1.1	101	5	39.97	−6.6						
1893	55.7	+0.4	101	8	51.32	+4.7						
1894	57.3	+0.4	100	0	47.34	+0.7						
1895	55.3	−1.4	101	−6	41.28	−1.8						
1896	55.5	−1.2	103	−2	44.71	−0.8						
1897	57.1	+0.2	103	12	39.81	−10.7						
1898	56.1	−1.7	104	1	38.45	−13.1						
1899	57.6	+0.9	104	−1	47.66	−0.1	9.24	0.97	58.90	3.1	1.1	124
1900	57.2	+0.5	107	16	49.78	+1.12	9.64	3.26	61.42	13.8	3.0	128
1901	56.2	−0.5	103	−12	46.98	−0.4	8.45	2.44	58.21	9.1	2.5	124
1902	56.4	−0.3	103	−1	43.66	−3.4	7.61	1.61	54.87	7.2	2.0	124
1903	57.1	+0.4	104	4	47.04	−0.1	8.61	2.61	58.25	9.1	2.5	134
1904	57.1	+0.4	103	−1	46.66	−0.5	8.61	2.61	57.87	9.1	2.5	134
1905	57.1	+1.0	104	−2	46.66	−1.2	8.61	2.61	57.87	9.1	2.5	134
1906	55.8	−0.2	107	−15	44.36	−1.7	10.50	2.24	54.86	11.2	3.0	134
1907	55.8	−0.2	107	−15	44.36	−1.7	10.50	2.24	54.86	11.2	3.0	134
1908	55.8	−0.2	107	−15	44.36	−1.7	10.50	2.24	54.86	11.2	3.0	134
1909	55.8	−0.2	107	−15	44.36	−1.7	10.50	2.24	54.86	11.2	3.0	134
1910	55.8	−0.2	107	−15	44.36	−1.7	10.50	2.24	54.86	11.2	3.0	134
1911	55.8	−0.2	107	−15	44.36	−1.7	10.50	2.24	54.86	11.2	3.0	134
1912	54.6	−1.4	103	−20	39.62	−6.4	7.89	1.49	52.38	7.1	2.0	124
1913	57.2	+1.2	109	−7	47.46	−0.4	9.44	2.46	58.24	9.1	2.5	134
1914	56.0	−0.1	100	−16	43.66	−4.2	8.61	2.61	57.87	9.1	2.5	134
1915	55.2	−0.5	102	0	50.52	+2.7	11.07	2.38	61.14	11.4	3.0	134
1916	54.8	−0.5	102	−13	43.36	−4.4	8.11	2.36	57.87	9.1	2.5	134
1917	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1918	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1919	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1920	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1921	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1922	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1923	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1924	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1925	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1926	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1927	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1928	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1929	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1930	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1931	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1932	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1933	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1934	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
1935	55.5	−0.2	103	−21	46.11	+0.3	8.61	2.61	57.87	9.1	2.5	134
Normal	55.7	.....	104	−16	45.82	.....	71.18	17.39	11.9	109	106	127

Climatological Data for the Year 1933.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number of days				Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION																				
Beaver Dam	Ohio	441	30	60.0	103	July 22	4	Feb. 12	31	51.19	6.52	Mch.	0.12	June	.....	104	223	62	80	s.
Calhoun	McLean	487	30	.....	102	July 2	0	Feb. 9	31	.....	7.79	May	0.88	June	5.2	.....	.....	.....	.....	sw.
Earlington	Hopkins	420	44	60.0	103	July 2	— 4	Feb. 9	44	54.89	10.16	July	0.35	June	4.8	119	192	89	93	sw.
Fordsville	Ohio	382	.....	.....	.....	.....	.....	.....	5	46.41	7.30	July	0.59	June	4.0	110	.....	.....	.....	.....
Fort Heiry	Carlisle	317	.....	.....	.....	.....	.....	.....	17	54.72	9.40	July	0.37	June	5.5	111	192	122	51	s.
Greenville	Muhlenberg	519	17	58.9	103	July 1	1	Feb. 10	17	.....	7.50	Mch.	0.30	June	.....	.....	.....	.....	.....	.....
Henderson	Henderson	382	2	.....	102	June 20	— 1	Feb. 9	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hopkinsville	Christian	623	38	60.4	102	June 21	— 2	Feb. 9	38	57.06	7.87	July	1.11	Aug.	5.5	138	144	53	168	se.
Kuttawa	Lyon	450	6	59.7	102	June 20†	0	Feb. 9	5	57.01	8.06	Mch.	0.89	June	4.7	89	222	75	68	s.
Lowes	Ballard	.....	.....	.....	.....	.....	.....	.....	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Madisonville	Hopkins	571	36	.....	.....	.....	.....	.....	25	62.15	12.56	July	0.90	June	.....	68	204	89	81	nw.
Maxwell	Graves	364	25	.....	100	July 1†	— 1	Feb. 9	8	60.87	9.46	July	0.71	June	5.8	86	139	124	102	nw.
Murray	Calloway	412	8	.....	101	June 30	— 2	Feb. 9	37	44.41	7.40	Mch.	0.19	June	4.5	107	182	77	106	s.
Owensboro	Daviess	479	37	57.6	100	July 2	0	Dec. 27	6	43.39	6.82	Mch.	0.16	June	8.3	140	.....	.....	.....	.....
Owensboro Dam 46	Daviess	379	.....	.....	.....	.....	.....	.....	17	.....	6.81	Mch.	0.44	June	4.0	.....	.....	.....	.....	.....
Parkwood	Muhlenberg	511	.....	.....	.....	.....	.....	.....	45	53.76	7.54	Sept.	0.37	June	5.2	107	.....	.....	.....	.....
Pennyrile Forest	McCracken	516	.....	.....	.....	.....	.....	.....	29	55.56	9.61	July	0.49	June	4.6	127	173	100	92	s.
Princeton	Caldwell	523	27	60.3	104	July 2	— 1	Feb. 9	17	48.09	8.35	May	0.64	June	5.0	101	.....	.....	.....	.....
Ramsey, Lock 2	McLean	381	.....	.....	.....	.....	.....	.....	22	53.67	7.54	July	0.94	June	.....	103	180	64	121	s.
Russellville	Logan	580	22	58.2	100	July 2	3	Feb. 9†	6	42.21	7.81	May	0.68	June	5.5	99	.....	.....	.....	.....
Tennessee Dam 49	Union	314	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CENTRAL DIVISION.																				
Arlington Dam 49	Breckinridge	452	.....	.....	.....	.....	.....	.....	6	48.08	6.11	Mch.	0.53	June	2.5	141	.....	.....	.....	.....
Ashbrook	Johnson	700	33	56.1	98	July 22	— 8	Feb. 9	33	41.81	6.34	May	1.26	Nov.	6.2	83	214	68	83	se.
Auburn	Logan	637	37	58.9	104	July 22	— 7	Feb. 9	37	60.71	9.76	Sept.	1.83	June	.....	115	255	66	94	s.
Bardstown	Nelson	760	45	60.15	102	June 7†	0	Feb. 9	46	60.23	10.06	July	0.50	June	4.2	115	170	100	95	s.
Bowling Green	Warren	500	.....	.....	.....	.....	.....	.....	9	58.11	9.13	July	0.28	June	.....	139	.....	.....	.....	.....
Bowling Green No. 2	Warren	469	.....	.....	.....	.....	.....	.....	17	64.96	8.82	May	1.56	June	.....	128	.....	.....	.....	.....
Brownsville, Lock 6	Edmonson	410	.....	.....	.....	.....	.....	.....	29	48.18	7.85	Aug.	1.01	Oct.	4.5	96	.....	.....	.....	.....
Burnside	Pulaski	775	.....	.....	.....	.....	.....	.....	35	53.22	7.87	Mch.	0.98	June	2.6	77	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	422	.....	.....	.....	.....	.....	.....	6	49.67	10.36	May	1.28	Nov.	3.0	130	.....	.....	.....	.....
Cave Spring	Campbell	489	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	0.63	Jan.	.....	.....	.....	.....	.....	.....
Central	Boyle	955	1	.....	98	June 8†	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
D.A. Hoge, Burgin	Mercer	770	10	59.2	101	June 8†	3	Feb. 9	10	48.41	7.56	Sept.	1.70	Nov.	6.4	107	149	114	102	sw.
Eminence	Henry	1,177	40	56.6	96	June 8†	— 7	Feb. 9	40	48.41	8.70	July	0.71	Oct.	.....	84	145	77	143	s.
Frankfort	Franklin	504	42	58.2	102	July 22	— 5	Feb. 9	43	49.76	6.16	May	1.26	Nov.	5.0	117	171	61	133	w.
Fredonia	Caldwell	651	37	61.7	105	June 21	— 1	Feb. 9	37	55.89	7.99	May	2.08	Nov.	.....	138	170	106	89	s.
Hartford	Ohio	433	.....	.....	.....	.....	.....	.....	28	46.62	6.42	Mch.	0.88	June	5.5	128	.....	.....	.....	.....
Hyde, Lock 5	Henry	780	8	.....	96	July 14	.....	.....	8	.....	.....	.....	0.22	June	.....	.....	.....	.....	.....	.....
Lancaster	Garrard	1,032	.....	.....	.....	.....	.....	.....	9	39.27	7.37	Mch.	0.58	June	.....	111	.....	.....	.....	.....
Lebanon Junction	Boone	846	.....	.....	.....	.....	.....	.....	48	51.69	7.02	July	1.66	Nov.	4.5	126	66	39	260	s.
Leitchfield	Grayson	681	41	58.8	104	July 2	— 5	Feb. 9	22	52.97	9.43	Sept.	1.69	Nov.	.....	139	.....	.....	.....	.....
Lock and Dam 6	Jessamine	850	.....	.....	.....	.....	.....	.....	36	51.11	8.00	Mch.	T.	June	6.5	100	177	66	122	sw.
Lock and Dam 7	Boyle	616	36	58.7	99	July 2	0	Dec. 27	8	53.45	8.58	July	1.10	Oct.	.....	118	.....	.....	.....	.....
Lock and Dam 7	Garrard	1,032	.....	.....	.....	.....	.....	.....	38	53.57	6.44	July	1.05	June	6.0	129	174	66	95	sw.
Louisville	Jefferson	455	38	58.8	100	July 22	— 5	Feb. 9	81	49.02	6.62	Jan.	1.55	Nov.	6.2	137	160	93	112	o.
Louisville	Jefferson	455	30	56.2	96	July 22	— 5	Feb. 9	23	45.16	5.48	Jan.	1.56	Nov.	.....	107	.....	.....	.....	.....
Lower Hickman, Lock 8	Jessamine	823	.....	.....	.....	.....	.....	.....	24	54.18	7.08	May	1.49	Nov.	8.5	98	.....	.....	.....	.....
Lyndon, Lock 2	Jefferson	456	.....	.....	.....	.....	.....	.....	61	43.82	6.11	Mch.	0.67	June	8.1	122	113	160	152	s.
Louisville	Jefferson	455	61	58.3	98	July 2	— 1	Feb. 9	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maceo	Daviess	660	.....	.....	.....	.....	.....	.....	38	65.00	8.27	July	2.87	Oct.	9.2	110	223	50	92	.....
Meadow Vale	Jefferson	757	38	.....	99	June 21†	— 5	Feb. 9	20	62.05	13.75	Sept.	1.47	Nov.	.....	108	.....	.....	.....	.....
Nelson, Lock 6	Meade	440	.....	.....	.....	.....	.....	.....	45	66.57	8.25	May	0.96	Jun	6.0	123	170	52	143	s.
Shelbyville	Shelby	825	45	57.1	102	June 22	— 6	Feb. 9†	32	58.52	6.88	Sept.	1.10	June	3.3	104	216	52	97	w.
Shepherdsville	Bullitt	484	.....	.....	98	June 30†	— 3	Feb. 9	9	55.18	6.41	Dec.	1.15	June	.....	113	.....	.....	.....	.....
Taylorsville	Spencer	526	.....	.....	.....	.....	.....	.....	16	52.88	7.09	Sept.	1.15	June	.....	113	.....	.....	.....	.....
Tyrone, Lock 5	Anderson	506	.....	.....	.....	.....	.....	.....	31	55.77	8.68	Sept.	1.81	Nov.	7.0	130	218	37	110	w.
Williamstown	Grant	903	31	57.8	100	July 22	— 9	Feb. 9	17	53.71	7.58	Sept.	0.98	June	.....	119	.....	.....	.....	.....
Woodlawn, Lock 4 (Lawrence Station)	Bullitt	503	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Jackson	.....	.....	.....	.....	.....	.....	.....	3	50.99	6.51	Dec.	1.17	Oct.	5.0	121	140	76	149	sw.
Annville	Jackson	934	17	58.0	100	July 22	— 5	Feb. 9	17	46.15	7.42	May	0.70	Oct.	6.0	142	155	27	183	sw.
Audubon	Fayette	1,000	20	.....	.....	.....	— 7	Feb. 9	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Berea	Madison	1,050	32	55.9	98	July 23	— 5	Feb. 9	32	59.46	6.77	Sept.	1.23	Nov.	5.2	129	201	58	106	sw.
Berea	Madison	1,050	.....	.....	.....	.....	.....	.....	24	47.34	6.79	July	1.29	Nov.	.....	132	.....	.....	.....	.....
Cave Hill, Lock 11	Madison	661	.....	.....	.....	.....	.....	.....	14	46.51	6.85	Mch.	1.23	Nov.	7.0	104	.....	.....	.....	.....
Cynthiana	Harrison	684	.....	.....	.....	.....	.....	.....	45	51.01	6.89	Jan.	0.93	Jan.	7.5	134	.....	.....	.....	.....
Devondale	Jefferson	600	.....	.....	.....	.....	.....	.....	28	54.84	8.15	May	1.37	Oct.	.....	112	113	121	128	e
Falmouth	Pendleton	668	27	57.0	100	July 22	0	Dec. 27	9	55.18	6.41	Dec.	0.48	Nov.	.....	95	.....	.....	.....	.....
Flemingsburg	Fleming	870	.....	.....	.....	.....	.....	.....	18	48.78	6.04	Jun.	1.11	Nov.	.....	131	.....	.....	.....	.....
Hyde, Lock 4	Clark	770	.....	.....	.....	.....	.....	.....	9	45.53	9.03	May	1.66	Jan.	.....	78	.....	.....	.....	.....
Olympia	Carter	850	.....	.....	.....	.....	.....	.....	14	44.56	6.17	May	1.11	Nov.	.....	136	.....	.....	.....	.....
Owenton Dam 39	Owen	750	.....	.....	.....	.....	.....	.....	6	.....	8.70	May	0.95	Nov.	.....	.....	.....	.....	.....	.....
Owenton	Owen	1,135	6	.....	.....	.....	7	Feb. 9	10	47.93	9.26	May	1.09	June	7.6	138	.....	.....	.....	.....
Ripgood	Bracken	800	.....	.....	.....	.....	.....	.....	17	43.71	5.85	Feb.	0.72	Oct.	.....	119	.....	.....	.....	.....
Riverside, Lock 11	Lee	664	.....	.....	.....	.....	.....	.....	9	40.20	5.93	May	0.37	Oct.	.....	111	.....	.....	.....	.....
Salyersville	Bell	1,306	.....	.....	.....	.....	.....	.....	58	46.24	7.65	May	0.85	Oct.	.....	108	.....	.....	.....	.....
Sandy Hook	Elliott	584	.....	.....	.....	.....	.....	.....	13	58.79	6.38	May	0.95	Oct.	.....	109	.....	.....	.....	.....
Shawhan	Muhlenberg	660	.....	.....	.....	.....	.....	.....	37	48.82	6.69	Sept.	1.62	Nov.	.....	142	148	77	142	sw.
Wayland	Floyd	824	37	56.7	97	July 23	1	Dec. 27	37	58.56	6.95	May	0.62	Oct.	.....	107	164	183	18	.....
Weld	Breathitt	1,128	37	57.6	102	June 21	5	Feb. 14	44	63.19	6.66	Sept.	1.45	Nov.	.....	124	.....	.....	.....	w.
Wrigley	Montgomery	750	41	55.9	99	June 21†	— 9	Feb. 9	12	46.48	9.32	May	0.62	June	4.0	128	.....	.....	.....	.....
Owingsville Dam 35	Bath	650	.....	.....	.....	.....	.....	.....	3	.....	6.48	May	1.17	Nov.	.....	.....	.....	.....	.....	.....
Paint Lick	Jackson	997	.....	.....	.....	.....	.....	.....	28	44.82	7.25	May	0.87	Aug.	2.0	101	.....	.....	.....	.....
Pikeville	Pike	866	.....	.....	.....	.....	.....	.....	2	45.61	8.09	Mar.	1.38	Nov.	5.0	134	216	16	133	.....
Pineville	Bell	1,095	2	59.0	101	July 22	— 5	Feb. 6	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prestonsburg	Floyd	640	.....	.....	.....	.....	.....	.....	8	57.86	7.67	May	1.58	Oct.	5.5	108	.....	.....	.....	.....
Quicksand	Breathitt	797	8	57.6	102	July 1	— 7	Feb. 9	16	45.15	8.25	July	0.54	Oct.	.....	117	.....	.....	.....	.....
Ravenna	Estill	950	.....	.....	.....	.....	.....	.....	43	51.05	7.69	June	1.23	Nov.	.....	114	175	46	144	.....
Riverton, Lock 12	Mercer	720	42	58.6	97	June 22	— 5	Feb. 8	20	54.41	6.61	Sept.	1.34	Nov.	.....	119	.....	.....	.....	.....
Tarr	Montgomery	750	.....	.....	.....	.....	.....	.....	16	64.46	8.69	Aug.	1.45	Nov.	.....	123	.....	.....	.....	.....
Tollesboro, Lock 9	Mason	530	.....	.....	.....	.....	.....	.....	6	35.89	5.90	May	0.44	Oct.	4.0	107	.....	.....	.....	.....
Tompkinsville	Monroe	970	.....	.....	.....	.....	.....	.....	39	49.12	6.47	Aug.	0.51	June	.....	102	192	89	84	.....
Vanceburg	Lewis	1,100	.....	.....	.....	.....	.....	.....	13	47.94	7.71	July	1.11	Oct.	.....	114	.....	.....	.....	.....
Williamsburg	Whitley	960	37	.....	101	June 8†	— 8	Feb. 8†	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wilmore, Lock 13	Jessamine	841	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

†Also on other day or days.

All [illegible] data are based on full [illegible] observations.
For [illegible] of record, the [illegible] number of days missing; for example, 6 [illegible] 28 and 29, etc.

Monthly and Annual Precipitation for the Year 1933, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Beaver Dam	5.76	+4.28	4.65	+1.47	6.52	+2.28	5.92	+1.81	6.49	+2.89	3.49	-0.55	4.[illegible]	[illegible]	2.52	-1.18	1.18	-1.10	3.[illegible]	-0.66	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Calhoun	4.[illegible]	-0.6[illegible]	3.[illegible]	-0.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	2.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	+0.09	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cavanaugh	5.1[illegible]	+0.60	6.[illegible]	+2.80	6.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	6.[illegible]	+1.[illegible]	4.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	[illegible]	[illegible]	+0.91	[illegible]	-0.22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cedar Cliff	3.[illegible]		3.[illegible]		5.[illegible]		4.[illegible]		6.[illegible]		0.[illegible]		5.[illegible]		1.[illegible]		1.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Greenville	3.[illegible]	-0.[illegible]	4.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	5.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hopkinsville	4.[illegible]	+0.[illegible]	4.[illegible]	+0.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lewisburg	3.[illegible]		2.[illegible]		5.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Marion	3.[illegible]	-1.[illegible]	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Morganfield	4.[illegible]	+0.[illegible]	4.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Murray	4.[illegible]		4.[illegible]		5.[illegible]		4.[illegible]		6.[illegible]		3.[illegible]		4.[illegible]		2.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Owensboro	3.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	4.[illegible]	+0.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	2.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Owensboro No. 2	4.[illegible]		3.[illegible]		6.[illegible]		5.[illegible]		6.[illegible]		3.[illegible]		5.[illegible]		0.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Paducah (near)	3.[illegible]	-1.[illegible]	5.[illegible]	+3.[illegible]	7.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	6.[illegible]	+3.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Princeton	3.[illegible]	+0.[illegible]	4.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	4.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ramsey, Lock No. 2 *.	4.[illegible]	+0.[illegible]	3.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rosecrans	3.[illegible]	+0.[illegible]	3.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Russellville	4.[illegible]		4.[illegible]		6.[illegible]		4.[illegible]		6.[illegible]		3.[illegible]		4.[illegible]		2.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Uniontown	3.[illegible]		3.[illegible]		5.[illegible]		4.[illegible]		7.[illegible]		3.[illegible]		6.[illegible]		2.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
CENTRAL DIVISION.																										
Addison	5.[illegible]		3.[illegible]		6.[illegible]		5.[illegible]		6.[illegible]		[illegible]		[illegible]		2.[illegible]		4.[illegible]		2.[illegible]		[illegible]		[illegible]		[illegible]	
Anderson	5.[illegible]	+0.[illegible]	5.[illegible]	-0.[illegible]	8.[illegible]	+4.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beechwood	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bowling Green	6.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	5.[illegible]	+0.[illegible]	4.[illegible]	-0.[illegible]	7.[illegible]	+3.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dam No. 2	5.[illegible]		5.[illegible]		4.[illegible]		6.[illegible]		7.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Brandenburg, Lock No.5*	6.[illegible]		6.[illegible]		8.[illegible]		6.[illegible]		8.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Burnside	5.[illegible]	+1.[illegible]	5.[illegible]	+2.[illegible]	7.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Carrollton, Lock No. 1	3.[illegible]	+0.[illegible]	3.[illegible]	+0.[illegible]	5.[illegible]	+1.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cedar Grove, Dam 26	3.[illegible]		3.[illegible]		5.[illegible]		4.[illegible]		6.[illegible]		3.[illegible]		5.[illegible]		2.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Cloverport	4.[illegible]		3.[illegible]		6.[illegible]		4.[illegible]		6.[illegible]		3.[illegible]		5.[illegible]		2.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Dam No. 4, Burgin	5.[illegible]		4.[illegible]		8.[illegible]		5.[illegible]		8.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Dawson	4.[illegible]	+0.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+2.[illegible]	5.[illegible]	-0.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Elizabethtown	4.[illegible]	+0.[illegible]	4.[illegible]	+0.[illegible]	6.[illegible]	+2.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Frankfort	4.[illegible]	+0.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Franklin	3.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	4.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Gest, Lock No. 3	4.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Glenmore	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Grand View 3	4.[illegible]		2.[illegible]		5.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Greensburg	3.[illegible]	+0.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	+0.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
High Bridge, Lock No. 7	4.[illegible]	+1.[illegible]	4.[illegible]	+1.[illegible]	8.[illegible]	+4.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Irvington	3.[illegible]	+0.[illegible]	3.[illegible]	+0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lancaster	3.[illegible]		3.[illegible]		5.[illegible]		3.[illegible]		5.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Leatherwood	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lexington	4.[illegible]	+0.[illegible]	4.[illegible]	+0.[illegible]	6.[illegible]	+2.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Little Hickman, Lock 8.	5.[illegible]	+1.[illegible]	4.[illegible]	+1.[illegible]	8.[illegible]	+4.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lockport, Lock No. 2	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LOUISVILLE	4.[illegible]	+0.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	5.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Memorial	5.[illegible]		5.[illegible]		7.[illegible]		6.[illegible]		6.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Municipal	4.[illegible]		4.[illegible]		5.[illegible]		5.[illegible]		7.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
St. John	5.[illegible]	+1.[illegible]	4.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Shippe, Lock No. 6	6.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	8.[illegible]	+4.[illegible]	5.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shelbyville	5.[illegible]	+0.[illegible]	4.[illegible]	+0.[illegible]	6.[illegible]	+2.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Taylorsville	5.[illegible]	+0.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	6.[illegible]	+3.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tyrone, Lock No. 5	3.[illegible]	+1.[illegible]	3.[illegible]	+0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Waddenstown	6.[illegible]	+2.[illegible]	4.[illegible]	+1.[illegible]	8.[illegible]	+4.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Woodburn, Lock No. 4	4.[illegible]	+0.[illegible]	4.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EASTERN DIVISION.																										
Annville	5.[illegible]		3.[illegible]		5.[illegible]		4.[illegible]		6.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Ashland	4.[illegible]	+0.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beattyville	5.[illegible]	+1.[illegible]	5.[illegible]	+2.[illegible]	6.[illegible]	+2.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Berea	3.[illegible]		3.[illegible]		5.[illegible]		3.[illegible]		5.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Cobourg, Lock No. 12	5.[illegible]	+0.[illegible]	4.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	5.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Combs	6.[illegible]	+2.[illegible]	4.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	5.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Falmouth	6.[illegible]	+2.[illegible]	5.[illegible]	+2.[illegible]	7.[illegible]	+3.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Farmers	6.[illegible]	+2.[illegible]	4.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	5.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Flemingsburg	5.[illegible]		4.[illegible]		6.[illegible]		5.[illegible]		6.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Ford, Lock No. 19	5.[illegible]	+1.[illegible]	5.[illegible]	+2.[illegible]	7.[illegible]	+3.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Grayson	3.[illegible]		3.[illegible]		5.[illegible]		3.[illegible]		5.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Greenup, Dam 30	5.[illegible]	+1.[illegible]	5.[illegible]	+2.[illegible]	5.[illegible]	+0.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Haldon	4.[illegible]		3.[illegible]		4.[illegible]		3.[illegible]		5.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Hazel	5.[illegible]		4.[illegible]		5.[illegible]		4.[illegible]		6.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Heidelberg, Lock No 14	5.[illegible]	+0.[illegible]	5.[illegible]	+2.[illegible]	7.[illegible]	+3.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Jenkins	4.[illegible]		4.[illegible]		5.[illegible]		4.[illegible]		6.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Lemasters	4.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Manchester	5.[illegible]	+1.[illegible]	4.[illegible]	+1.[illegible]	6.[illegible]	+2.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Maysville	6.[illegible]	+2.[illegible]	5.[illegible]	+2.[illegible]	7.[illegible]	+3.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Middletown	4.[illegible]	-0.[illegible]	5.[illegible]	+0.[illegible]	6.[illegible]	+2.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mount Sterling	5.[illegible]	+2.[illegible]	5.[illegible]	+3.[illegible]	5.[illegible]	+0.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Owingsville, Dam No. 35.	3.[illegible]	+0.[illegible]	3.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paintsville	5.[illegible]		4.[illegible]		6.[illegible]		5.[illegible]		6.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Pikeville	5.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Poppertown	5.[illegible]		5.[illegible]		6.[illegible]		5.[illegible]		7.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Quicksand	6.[illegible]		7.[illegible]		5.[illegible]		5.[illegible]		7.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Ravenna, Lock No. 12.	5.[illegible]	+1.[illegible]	5.[illegible]	+2.[illegible]	4.[illegible]	-0.[illegible]	3.[illegible]	+0.[illegible]	5.[illegible]	+1.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Riverton L.	5.[illegible]	+1.[illegible]	4.[illegible]	+1.[illegible]	5.[illegible]	+1.[illegible]	4.[illegible]	-0.[illegible]	6.[illegible]	+2.[illegible]	3.[illegible]	-0.[illegible]	4.[illegible]	-0.[illegible]	1.[illegible]	-1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Valley View, Lock No 6	5.[illegible]	+0.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Vanceburg, Dam No 32.	6.[illegible]	+2.[illegible]	5.[illegible]	+3.[illegible]	6.[illegible]	+2.[illegible]	5.[illegible]	+1.[illegible]	7.[illegible]	+3.[illegible]	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	2.[illegible]	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Whitesburg	4.[illegible]		3.[illegible]		5.[illegible]		3.[illegible]		5.[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Williamsburg	4.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	4.[illegible]	-0.[illegible]	3.[illegible]	-0.[illegible]	5.[illegible]	+1.[illegible]	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
Willow Lock No. 13	5.[illegible]	+2.[illegible]	5.[illegible]	+2.[illegible]	4.[illegible

Monthly and Annual Mean Temperatures for the Year 1933, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
WESTERN DIVISION.																										
Beaver Dam	45.6	+10.0	37.4	+ 1.2	48.1	+ 0.5	57.6	+ 1.7	70.2	+ 3.9	77.2	+ 3.0	78.5	+ 0.7	76.2	− 0.2	75.8	+ 4.9	59.4	+ 0.7	47.7	+ 0.8	46.6	+ 8.9	60.0	+ 3.0
Calhoun	45.3	+ 8.6	38.0	− 0.3	47.2	− 2.0	57.4	− 1.0	69.7	+ 2.6	78.3	+ 2.9	*78.6	+ 0.6	.....	.....	.....	.....	59.2	− 0.8	48.5	+ 0.3	46.1	+ 7.0	.....	.....
Bonkham	45.6	+10.0	35.6	− 1.7	47.5	− 0.2	57.5	+ 0.5	70.8	+ 3.9	78.2	+ 2.6	79.1	+ 0.6	76.5	− 0.6	76.6	+ 5.2	58.9	− 0.7	47.6	− 0.2	46.8	+ 7.7	60.0	+ 2.2
Greenville	44.2	+ 8.6	37.6	− 1.7	47.0	− 1.2	56.4	− 1.0	68.6	+ 3.9	75.6	+ 0.7	77.6	− 0.5	75.0	− 1.7	*75.8	+ 4.8	57.6	− 1.7	47.0	− 0.8	*44.8	+ 6.1	58.9	+ 1.3
Hamilton	44.6	.....	37.4	.....	45.7	.....	55.7	.....	69.3	.....	79.5	.....	.....	.....	*78.4	.....	77.2	.....	58.7	.....	46.6	.....	42.9	.....	.....	.....
Hopkinsville	46.0	+ 8.8	39.2	+ 0.8	48.8	− 0.7	57.5	+ 0.2	70.2	+ 3.1	78.0	+ 2.3	79.1	+ 0.3	76.8	− 1.1	76.5	+ 4.4	59.2	− 1.4	47.7	− 0.8	45.6	+ 7.0	60.4	+ 2.0
Lawrenceville	45.3	.....	37.8	.....	48.2	.....	57.4	.....	69.8	.....	77.4	.....	78.6	.....	75.8	.....	78.4	.....	59.9	.....	47.0	.....	44.6	.....	59.7	.....
Marion	44.5	+ 8.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	81.9	+ 4.0	.....	.....	.....	.....	.....	.....	*49.0	+ 0.2	41.2	+ 5.9	.....	.....
Mayfield	.....	.....	37.9	− 1.4	47.8	− 3.1	58.6	+ 0.7	69.6	+ 3.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*46.2	+ 6.2	.....	.....
Murray	44.4	.....	38.0	.....	47.2	.....	57.5	.....	70.2	.....	76.9	.....	78.2	.....	75.8	.....	75.8	.....	58.6	.....	47.9	.....	45.2	.....	.....	.....
Owensboro	42.4	+ 7.5	36.8	+ 0.7	45.0	− 2.1	55.5	0.0	67.6	+ 2.0	76.6	+ 2.2	78.2	+ 0.5	75.8	− 2.5	75.0	+ 3.1	57.6	− 1.9	43.2	− 4.0	41.3	+ 4.8	57.6	+ 0.8
Paducah (Coast)	45.2	+ 9.3	37.4	− 4.3	47.2	− 2.0	56.8	− 1.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Princeton	45.6	+ 9.0	38.0	+ 1.6	47.6	− 0.9	58.0	− 0.1	70.8	+ 4.2	78.0	+ 4.1	80.0	+ 2.1	77.4	+ 0.1	76.8	+ 5.3	59.2	+ 0.1	47.2	+ 0.3	45.2	+ 6.8	60.8	+ 2.5
Russellville	43.1	+ 7.6	*37.2	− 0.2	*41.8	− 4.0	55.4	− 2.6	68.7	+ 2.8	*75.6	+ 0.7	77.3	− 0.4	74.4	− 3.3	*71.4	+ 2.5	57.3	− 2.1	45.5	− 1.8	44.4	+ 6.0	58.2	+ 2.0
CENTRAL DIVISION.																										
Anchorage	47.5	+ 8.0	34.6	+ 1.6	*42.8	− 2.2	52.8	− 1.1	65.8	+ 2.1	74.4	+ 2.4	75.0	− 1.1	73.2	− 1.5	72.2	+ 3.2	55.1	− 1.8	43.5	− 0.9	42.5	+ 8.6	56.1	+ 1.4
Bardstown	43.5	+ 8.5	*38.0	+ 2.8	45.8	− 1.1	56.2	+ 0.6	69.6	+ 3.6	77.5	+ 3.6	78.3	+ 0.3	75.6	− 1.5	75.0	+ 3.5	57.8	− 1.3	45.6	− 1.1	44.0	+ 7.2	58.9	+ 1.7
Bowling Green	46.4	+ 9.4	40.0	+ 1.3	49.0	+ 0.5	58.2	− 0.1	71.4	+ 4.0	79.6	+ 3.8	*78.4	− 0.3	75.2	− 3.1	*74.8	+ 2.6	58.0	− 1.8	48.0	+ 0.4	47.2	+ 8.7	60.6	+ 2.1
Brandenburg	.....	.....	.....	.....	.....	.....	*54.8	.....	68.0	.....	77.6	.....	76.2	.....	73.2	.....	73.6	.....	58.8	.....	45.1	.....	43.4	.....	59.2	.....
Burkesville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75.6	.....	58.2	.....	46.6	.....	45.8	.....	.....	.....
Cave City	44.4	.....	37.8	.....	46.6	.....	55.6	.....	69.6	.....	77.2	.....	76.6	.....	73.4	− 1.5	72.4	− 1.4	72.4	+ 3.9	55.6	− 1.3	43.4	− 1.7	44.3	+ 7.9
Elizabethtown	44.5	+ 9.5	35.2	+ 0.4	44.6	− 1.5	53.4	− 0.9	67.0	+ 3.6	75.4	+ 2.0	77.4	− 1.5	72.4	− 1.4	72.4	+ 5.4	57.6	− 0.1	45.2	− 1.2	43.8	+ 6.6	58.2	+ 2.0
Frankfort	42.8	+ 6.8	37.4	− 1.5	45.6	− 1.0	54.8	− 1.0	67.6	− 3.8	77.0	− 3.4	76.8	− 0.1	75.0	− 0.1	74.4	+ 5.4	57.0	− 0.1	45.2	− 1.2	43.8	+ 6.6	58.2	+ 2.0
Georgetown	45.4	+ 7.8	40.4	− 1.4	48.9	− 0.7	58.8	− 0.4	71.9	+ 5.2	79.2	+ 4.0	80.6	+ 2.2	77.9	+ 1.1	78.2	+ 5.9	60.8	+ 0.6	49.2	− 0.6	48.2	+ 8.0	61.7	+ 2.9
Greensburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76.8	.....	76.6	.....	73.8	.....	72.8	.....	57.4	.....	44.8	.....	46.6	.....	.....	.....
Guthrie	45.9	+ 9.0	38.6	+ 1.6	47.6	− 0.9	58.0	− 0.1	70.8	+ 4.2	78.0	+ 4.1	80.0	+ 2.1	77.4	+ 0.1	76.8	+ 5.3	59.2	+ 0.1	47.2	+ 0.3	45.2	+ 6.8	60.8	+ 2.5
Hardinsburg	43.8	+ 9.1	38.6	+ 3.7	47.0	+ 0.4	55.6	+ 0.4	69.0	+ 4.2	76.8	+ 3.5	77.2	+ 0.6	74.6	+ 0.7	74.6	+ 5.0	56.4	− 0.7	45.9	+ 0.7	45.7	+ 9.4	58.8	+ 3.0
Harrodsburg	44.6	+ 9.0	37.4	+ 1.4	46.0	− 1.2	56.0	+ 0.1	69.6	+ 3.1	77.2	+ 3.3	77.4	+ 0.6	74.6	− 1.0	75.0	+ 5.2	57.8	− 0.3	47.1	+ 0.6	44.6	+ 8.0	58.8	+ 2.7
Hartford	43.8	+ 8.8	37.6	+ 2.1	46.0	− 0.5	55.4	− 0.2	69.0	+ 3.9	77.3	+ 4.1	77.4	− 0.8	74.6	− 1.0	74.6	+ 5.0	57.2	− 0.4	45.8	− 0.2	44.0	+ 7.6	58.4	+ 2.7
Lancaster	42.5	+ 9.6	35.2	− 0.2	42.6	− 1.1	52.2	− 1.1	66.9	− 2.5	76.5	+ 4.3	75.7	− 0.2	73.3	− 1.2	72.7	+ 4.2	54.6	+ 2.8	42.0	− 2.8	39.8	+ 4.0	56.2	+ 1.2
Leitchfield	43.1	+ 8.7	36.8	− 0.4	44.2	− 1.2	54.9	− 1.5	68.2	+ 1.6	79.0	+ 4.3	77.2	− 0.7	75.4	− 1.6	75.6	+ 5.1	57.6	− 1.7	45.0	− 1.7	41.7	+ 4.1	58.3	+ 1.3
Louisville	42.2	+ 8.4	36.7	+ 1.2	44.8	− 0.7	54.9	+ 0.8	68.1	+ 3.7	76.2	+ 3.8	76.6	+ 0.6	73.8	− 1.1	74.0	+ 4.7	56.8	− 1.2	42.6	− 3.1	.....	.....	.....	.....
Mt. Sterling	43.7	+ 8.3	35.8	+ 1.3	44.0	− 0.9	53.4	− 1.5	66.6	+ 2.0	76.2	+ 3.9	76.0	+ 0.5	74.4	− 0.8	74.2	+ 4.9	57.2	0.0	44.2	− 0.3	41.6	+ 6.2	57.1	+ 1.9
Shelbyville	43.5	+ 8.6	36.5	+ 1.1	44.5	− 2.1	*53.8	− 0.7	67.8	+ 2.2	.....	.....	75.9	− 0.6	*75.5	− 1.8	73.5	+ 3.4	55.5	− 1.4	*42.4	− 2.4	*40.6	+ 5.4	.....	.....
Springfield	42.8	+ 8.6	36.5	+ 1.1	44.5	− 2.1	53.8	− 0.7	68.0	+ 4.3	77.6	+ 6.4	76.2	+ 0.5	76.4	+ 2.2	75.6	+ 6.4	57.6	+ 2.6	43.9	− 1.2	41.1	+ 7.9	57.8	+ 3.7
Williamstown	41.8	+ 9.4	37.0	+ 4.1	45.0	− 0.6	54.7	+ 1.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
EASTERN DIVISION.																										
Ashland	44.1	+ 8.9	34.0	+ 1.2	48.4	− 2.2	55.8	0.0	68.9	+ 5.0	76.0	+ 2.1	75.8	− 0.3	74.0	− 1.5	73.5	+ 3.1	57.0	− 0.7	45.1	− 1.8	42.9	+ 3.6	58.0	+ 1.4
Barbourville	42.9	+ 8.0	37.3	+ 1.6	.....	.....	.....	.....	.....	.....	75.1	+ 2.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Beattyville	44.2	+ 7.8	38.5	+ 2.2	45.8	− 1.3	56.4	+ 0.6	69.6	+ 4.4	77.9	+ 3.0	76.1	+ 0.1	74.6	+ 0.2	75.2	+ 5.9	58.4	− 0.2	43.2	− 1.1	45.4	+ 8.8	58.9	+ 2.6
Bedford	*43.4	+ 8.6	37.8	+ 1.2	45.4	− 0.1	*54.0	− 0.7	68.0	+ 6.2	74.0	+ 3.1	*74.8	+ 0.1	73.0	− 0.8	71.4	+ 3.2	55.0	− 1.6	44.2	− 0.9	42.8	+ 6.5	57.0	+ 2.0
Berea	*43.4	+ 8.6	37.8	+ 1.2	45.4	− 0.1	*54.0	− 0.7	68.0	+ 6.2	74.0	+ 3.1	*74.8	+ 0.1	73.0	− 0.8	71.4	+ 3.2	55.0	− 1.6	44.2	− 0.9	42.8	+ 6.5	57.0	+ 2.0
Brooksville	44.9	.....	39.5	.....	46.8	.....	*55.6	.....	68.8	.....	.....	.....	74.1	.....	*73.6	.....	72.7	.....	56.2	.....	45.6	.....	45.2	.....	.....	.....
Buckhorn	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	74.8	.....	.....	.....	73.1	.....	56.2	.....	45.6	.....	43.2	.....	.....	.....
Campton	40.3	+ 7.4	35.6	− 0.9	43.4	− 1.3	54.6	+ 0.5	67.7	+ 3.1	71.0	+ 0.8	74.2	− 2.6	74.6	− 1.6	74.1	+ 4.4	*56.2	− 1.3	43.0	− 0.7	41.8	+ 7.2	56.7	+ 1.5
Carrollton	44.6	+ 8.5	*37.6	+ 3.2	*44.4	− 2.1	*51.4	− 2.2	68.4	+ 3.9	*73.6	+ 2.2	*76.4	+ 1.6	*74.8	+ 0.6	*72.6	+ 3.5	55.6	− 2.1	*43.0	− 3.0	*41.5	+ 6.1	57.6	+ 0.9
Catlettsburg	44.6	+ 8.5	37.6	+ 3.2	44.4	− 2.1	54.4	− 2.2	68.4	+ 3.9	*73.6	+ 2.2	76.4	+ 1.6	*74.8	+ 0.6	*72.6	+ 3.5	55.6	− 2.1	43.0	− 3.0	*41.5	+ 6.1	57.6	+ 0.9
Cynthiana	44.1	+ 8.1	37.0	+ 1.4	44.0	0.0	53.4	− 0.2	67.8	+ 4.0	75.4	+ 3.0	75.8	− 0.5	74.6	+ 0.6	*76.8	− 2.6	58.6	− 2.4	46.8	− 3.7	44.0	+ 3.6	58.9	− 1.3
Falmouth	44.1	.....	39.4	.....	47.0	.....	*56.0	.....	69.6	.....	*74.3	.....	*74.6	.....	*74.3	.....	74.0	.....	56.0	.....	44.8	.....	41.7	.....	57.6	.....
Frankfort	43.2	.....	37.0	.....	45.4	.....	55.2	.....	68.5	.....	*73.9	.....	75.0	.....	73.6	.....	73.0	.....	56.0	.....	44.8	.....	41.7	.....	57.0	.....
Greenup	43.4	+10.1	38.0	+ 2.3	45.2	− 0.8	55.6	− 0.3	69.1	+ 5.0	*75.4	+ 1.9	76.9	− 1.5	74.8	− 0.7	75.1	+ 4.7	58.2	+ 0.7	46.1	− 0.9	44.4	+ 6.5	58.6	+ 2.4
Jamestown	45.3	+ 7.1	38.8	− 2.0	.....	.....	54.6	− 2.1	68.6	+ 2.8	76.0	+ 2.2	78.1	+ 1.4	75.7	− 0.3	73.4	+ 2.9	.....	.....	.....	.....	43.4	+ 4.3	.....	.....

All temperatures given are taken from self-registering thermometers.

Temperatures from hourly observations are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section and state averages.

Letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1933.

Stations.	Last in Spring.	First in Autumn.	Stations.	Last in Spring.	First in Autumn.
WESTERN DIVISION.					
Beaver Dam	April 12	Oct. 26	Irvington	Mch. 26	Nov. 8
Calhoun	Mch. 26	Nov. 8	Leitchfield	do 26	Oct. 26
Cadiz	April 12	Oct. 26	Louisville	April 24	do 26
Clarkson	do 12	do 26	Madisonville	Mch. 24	Nov. 8
Greenville	do 12	do 26	Marion	April 12	Oct. 26
Hamilton	do 12	do 26	Mt. Sterling	do 26	do 24
Hopkinsville	Mch. 26	Nov. 8	Owensboro	do 26	do 24
Lawrenceville	April 12	Oct. 26	Shelbyville	do 26	do 24
Madisonville	do 12	do 26	Springfield	do 26	do 26
Mayfield	do 12	do 26	Williamstown	do 27	do 26
Murray	do 12	do 26			
Owensboro	Mch. 26	Nov. 8			
Paducah	April 12	Oct. 26			
Princeton	do 12	do 26			
Russellville	do 12	do 26			
CENTRAL DIVISION.			**EASTERN DIVISION.**		
Anchorage	do 12	do 26	Ashland	April 27	Oct. 26
Bardstown	do 12	do 26	Barbourville	do 12	do 26
Bowling Green	do 12	do 26	Beattyville	do 12	do 26
Brandenburg	do 12	do 26	Bedford	do 12	do 26
Burkesville	do 12	do 26	Berea	do 27	do 26
Cave City	do 12	do 26	Brooksville	do 27	do 26
Elizabethtown	do 12	do 26	Buckhorn	do 13	do 26
Frankfort	do 12	do 26	Campton	do 27	do 26
Georgetown	do 25	do 26	Carrollton	do 23	do 26
Greensburg	do 12	do 26	Catlettsburg	do 26	do 26
Guthrie	do 12	do 13	Cynthiana	do 26	do 26

MONTHLY SUMMARIES, 1933.

Month.	Temperature.				Precipitation			Average number of days.			
	Mean.	Departure.	Highest.	Lowest.	Total.	Departure.	With .01 or more.	Clear.	Partly Cloudy.	Cloudy.	.50 inch or more fell.
January	43.9	+ 8.1	74	10	5.18	+ 0.78	12	12	8	11	0
February	37.5	+ 0.5	75	− 5	4.25	+ 0.78	12	13	5	10	4
March	46.0	− 0.1	78	10	5.52	+ 0.19	11	7	12	12	3
April	55.7	− 0.4	85	27	4.74	+ 0.75	11	14	7	9	0
May	68.7	+ 5.4	95	40	6.43	+ 2.41	15	11	9	11	0
June	76.5	+ 2.7	105	49	1.57	− 2.54	4	23	2	5	0
July	77.6	0.0	106	47	6.05	+ 1.94	10	15	8	8	0
August	74.7	0.0	99	51	3.26	− 0.42	8	10	6	15	0
September	71.3	+ 3.7	98	40	5.14	+ 2.10	9	17	6	7	0
October	57.4	− 0.1	87	23	2.05	− 0.71	6	10	5	7	0
November	45.5	− 1.6	85	13	1.54	− 1.44	5	6	11	13	1
December	44.2	+ 6.3	75	8	4.99	+ 0.97	10	9	7	15	1
Annual means and extremes	58.4	+ 1.7	106	− 9	50.61	+ 5.01	116	154	86	125	9

*Compared with 25 years' normal.

51.05
UKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

JUN 28 1934

J. L. KENDALL,

VOL. XXXIX LOUISVILLE, KY., JANUARY, 1934 No. 1

GENERAL SUMMARY.

Until near the end of the month the prevailing weather was abnormally warm and dry. The warm weather caused some growth of winter grains, which improved their condition. Pastures on warm soils and slopes produced some grazing. With the soil well settled and undisturbed by deep freezes or heavy rains, animals were allowed to run on pasture much of the time. Milk and egg production remained at high level. The persistent warmth ended abruptly with a severe cold wave on the night of the 28th, when temperatures fell 50° or more in 15 hours to readings below zero in the northern counties and near zero in southern districts.

The sudden onset of the cold, with grains in growing condition, is believed to have caused some injury to wheat. The temperature change came with such rapidity that it is doubtful if the developing plant structures could adjust their water content quickly enough to prevent damage. This severe freeze came with practically no snow protection, but the soil had drained out well, hence there was a minimum of lifting effect. Grain fields and pastures that looked fresh and green before the cold wave, subsequently appeared seared and yellow.

Frequent showers in the first decade kept the atmosphere moist enough to favor stripping and moving tobacco. Later on the prevailing dry weather, with considerable wind, interfered with handling the weed. The dry weather and mild temperature improved the condition of the country roads, thus facilitating tobacco movements. Farmers were able to accomplish more than usual outdoors. Plowing commenced in the southern counties, with the soil in exceptionally good mid-winter condition.

The long period of sustained warmth caused much farm packed meat to spoil. Only occasional days, with night temperatures below freezing, were favorable for putting up meat. In southern districts bulbs came up and shrubs put out leaves and bloomed. The weather was unusually favorable for carrying forward the large number of projects of public work that had been started during the preceding month.

TEMPERATURE.

With the exception of three days at the end of the first decade and another period of like duration at the close of the month, daily mean temperatures ranged from 5° to 20° above normal. Prior to the 28th minimum temperatures seldom fell more than a few degrees below freezing, while maxima often exceeded 60°, especially in the latter half of the month. The extremes were 72° at Quicksand on the 24th and −3 at Berea and Mt. Sterling on the 30th.

PRECIPITATION.

Precipitation for the State averaged less than half the normal amount. As a rule it was lightest in counties along the lower Ohio, where it ranged from 1.0 to 1.5 inches. It increased in a southeasterly direction toward the upper Cumberland Valley, which received from 3.0 to 4.0 inches. In districts lying between these areas and eastward over most of the mountain region amounts ranged from 1.5 to 2.5 inches. For the State the precipitation varied between 0.07 inch at Quicksand and 3.56 inches at Manchester. Light to moderate rains occurred in the periods 4-9th, 12-13th, and 22-23d. Some heavy rains were reported on the 6th and 7th from stations in the central and eastern divisions. A few central stations recorded from 0.5 to 2.0 inches of snow, but in most of the State merely a trace of snow occurred. In the main agricultural sections of the State the total precipitation was from one-third to slightly more than one-half of the normal amount. Dates with thunderstorms were: 4, 22, and 23.

MISCELLANEOUS.

Floods.—A moderate rise occurred in the Ohio from the 10th to the 23d, after which the river declined steadily to low stages toward the end of the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity (miles). Resultant direction and velocity.	Direction.	Date.	Relative humidity. 7 a. m.	1 p. m.	7 p. m.	Percentage of possible sunshine.
Cairo ..... Ill.	30.18	30.54	30	29.77	28	9.1	28	N.W.	82	67	66	44
Cincinnati ..... Ohio	29.17	30.53	2	29.51	28	7.0	30	N.W.	78	64	68	34
Evansville ..... Ind.	29.18	30.55	26	29.68	28	6.7	29	N.W.	78	56	72	42
Louisville ..... Ky.	29.18	30.54	29	29.60	28	10.8	38	N.W.	76	62	61	39

COMPARATIVE DATA FOR JANUARY.

Year	Temperature. Mean.	Departure.	Highest	Lowest	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days. Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889	38.0	+ 2.2	65	13	3.52	−0.82	8.86	2.32	...	...	...	...	...
1890	44.0	+ 8.2	77	19	6.33	+2.09	8.49	3.17	...	...	...	...	...
1891	37.0	+ 1.2	68	14	5.30	+1.07	7.83	2.82	...	...	...	...	...
1892	29.0	− 6.8	65	− 6	2.72	−1.62	6.40	0.62	...	...	...	...	...
1893	26.0	− 9.8	57	− 2	2.08	−2.26	6.37	0.11	...	...	...	...	...
1894	38.0	− 2.2	78	−12	2.91	−1.46	4.66	1.16	...	...	...	...	...
1895	30.0	− 5.8	58	−16	5.21	+0.87	8.85	2.38	...	13	8	9	14
1896	35.1	+ 0.3	74	− 3	1.25	−3.09	2.51	0.75	...	6	6	5	15
1897	32.0	− 2.8	75	−16	2.2	1.85	5.10	2.10	4.2	8	13	5	13
1898	43.1	+ 4.6	72	6	6.75	+3.44	11.99	5.85	1.4	17	7	7	17
1899	34.4	− 1.4	68	−18	6.2	+2.88	8.22	3.33	8.5	15	7	5	19
1900	36.2	+ 1.4	77	− 8	2.80	−1.66	4.84	1.65	T.	11	11	5	15
1901	35.7	+ 0.9	75	4	1.85	−2.49	4.06	0.36	0.8	7	8	6	17
1902	33.7	− 2.1	70	5	5.11	+0.80	8.10	2.90	2.2	7	13	5	13
1903	31.8	− 1.9	62	− 9	2.2	−1.89	3.78	1.42	2.6	9	11	6	14
1904	32.3	− 4.5	70	− 9	3.17	−1.17	5.18	1.92	2.5	10	8	6	16
1905	27.5	− 8.3	70	−15	2.83	−1.51	3.79	1.02	12.8	11	10	5	16
1906	29.7	+ 3.9	80	− 9	3.3	−0.87	7.54	1.48	3.1	8	11	6	14
1907	43.2	+ 7.4	88	+11	8.02	+3.68	12.73	1.46	4.5	14	5	7	18
1908	35.0	− 0.8	69	7	2.2	−2.14	3.72	1.07	1.1	8	15	5	11
1909	38.3	+ 2.5	72	− 5	5.25	+0.87	8.63	1.26	5.7	12	7	5	19
1910	33.8	− 2.0	70	−20	1.41	+0.05	3.68	0.22	13.6	6	16	5	10
1911	30.7	+ 3.9	76	−26	2.8	−1.46	5.56	1.56	4.4	12	7	4	20
1912	25.9	− 9.0	61	−25	3.6	−1.25	4.76	1.76	11.7	7	15	5	14
1913	42.5	+ 6.7	76	18	11.42	+7.07	14.81	5.61	1.4	14	5	6	17
1914	36.4	+ 3.9	69	5	2.31	−2.05	3.91	1.68	1.6	8	6	7	18
1915	33.0	− 2.8	68	0	5.03	+0.69	6.74	3.25	7.8	15	8	6	16
1916	41.2	+ 5.4	78	− 5	7.25	+2.80	10.62	4.26	3.7	13	9	5	17
1917	36.7	+ 0.5	74	−17	6.6	+2.04	9.60	2.60	12.6	13	5	5	21
1918	37.6	−15.2	62	−29	5.09	+0.76	10.28	3.15	3.9	14	9	7	15
1919	37.5	+ 2.1	68	− 1	3.8	−0.76	7.98	1.16	1.6	7	10	7	14
1920	33.4	− 2.4	72	− 6	0.7	−2.11	1.54	0.42	3.7	3	17	6	8
1921	39.7	+ 3.9	71	12	3.6	−1.25	4.81	2.06	3.5	11	7	5	18
1922	34.6	− 1.2	67	1	2.25	−2.00	5.06	0.71	1.1	8	12	5	14
1923	40.0	+ 5.2	68	11	6.15	+1.77	8.64	3.99	T.	12	8	5	18
1924	33.3	− 3.5	68	− 8	5.05	+0.71	7.06	3.05	1.2	11	7	5	19
1925	30.8	0.0	60	9	2.60	−1.74	4.42	1.11	4.3	10	11	5	15
1926	41.4	+ 1.0	74	14	4.33	−0.03	5.67	2.24	7.1	11	7	5	19
1927	35.8	− 0.6	73	3	6.32	+1.96	9.55	1.87	2.2	12	7	5	19
1928	35.4	− 1.8	72	− 8	2.47	−1.87	4.94	1.16	3.6	8	14	5	12
1929	34.8	− 1.0	72	− 5	4.54	+0.20	7.68	1.64	1.8	8	7	5	19
1930	31.6	− 1.2	75	−20	4.3	+0.00	11.36	0.48	8.5	12	8	5	18
1931	35.7	+ 1.9	70	− 3	1.28	−3.11	3.22	0.55	2.3	7	16	5	10
1932	44.0	+ 9.1	80	14	5.1	+0.59	11.36	4.23	0.3	11	6	5	15
1933	37.1	+ 2.1	74	10	5.7	+1.29	9.25	2.75	0.3	12	7	5	19
1934	40.4	+ 4.6	72	5	3.56	−0.85	8.56	1.46	0.1	8	11	7	13
_____	____	____	____	____	____	____	____	____	____	____	____	____	____
...	...	...	...	...	...	...	...	...	...	...	...	...	...
1963	40.8	+ 5.0	76	−10	4.74	+0.00	11.46	0.71	4.5	11	10	6	14

Climatological Data for January, 1934.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Eastern Division.																				
Beaver Dam	Ohio	441	30	42.0	+ 6.7	68	24	2	30	28	1.55	−2.72	0.80	.....	6	12	5	14	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	30	41.7	+ 5.0	65	24	3	30	35	1.25	−2.63	0.51	T.	10	6	12	13	sw.	W. A. Taylor.
Dawson	Hopkins	420	44	41.4	+ 5.8	66	24	3	30	34	1.33	−3.34	0.55	T.	10	14	1	16	s.	Brick Southworth.
Dixon	Webster	856	5								1.05		0.62	0.5	7					Lockmaster.
Fords Ferry, Dam 50	Crittenden	359	5								1.16	−3.18	0.48	0.0	9	11	14	6	w.	C. R. Lovell.
Greenville	Muhlenburg	519	17	40.6	+ 5.0	70	28	1	30	38	1.16	−3.18	0.48	0.0	9	11	14	6	w.	C. R. Lovell.
Henderson	Henderson	382	20	39.7	.....	67	24	3	30	33	1.02	−2.43	0.62	T.	4	9	8	14	w.	Richard Stites
Hopkinsville	Christian	624	38	41.0	− 8.5	67	24†	3	30	36	1.84	−3.85	0.33	T.	9	15	0	16	se.	W. E. Graves.
Lovelaceville	Ballard	.....	5	40.4	.....	63	1	3	30	33	1.39	.....	1.08	T.	5	11	4	16	s.	Blaine Malone.
Marion	Crittenden	571	35	39.3	+ 8.5	64	24†	2	30	31	1.05	−3.68	0.90	T.	2	13	3	15	s.	B. C. Paris.
Maydell	Graves	364	28	41.2	+ 4.6	62a	27	6a	30†	47a	1.10	−2.93	0.72	.....	3	12	3	16	ne.	Mrs. C. R. Sowell.
Murray	Calloway	512	8	40.4	.....	68	24	4	30	42	1.16	.....	0.47	T.	4	18	5	13	s.	Harry B. Arnold
Owensboro	Daviess	479	37	37.8	+ 2.9	62	27	1	30	27	1.15	−2.91	0.71	T.	9	11	3	17	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	6								1.45	.....	0.78	0.4	8					Lockmaster.
Paducah	McCracken	316	17								1.21	−3.25	0.50	T.	12					C. J. Rhodes.
Paducah Nearest	McCracken	311	15								0.72	−3.44	0.36	.....	8					J. W. Lilley
Princeton	Caldwell	629	27	40.4	+ 4.8	68	24	3	30	37	1.51	−2.74	0.72	T.	10	13	2	16	e.	Dr. W. L. Cash.
Rumsey, Lock 2	McLean	384	17								1.09	−2.52	0.57	0.2	7					Lockmaster.
Russellville	Logan	589	23	39.6	+ 4.1	64a	24a	2a	30	54a	0.98	−4.24	0.50	.....	9	13	3	15	n.	Wm. Shelton.
Uniontown, Dam 49	Union	337	6								1.11	.....	0.68	.....	8					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	6								1.40	.....	0.58	.....	12					Lockmaster.
Ammerage	Jefferson	700	33	38.8	+ 5.5	62	24†	0	30	35	1.11	−2.94	0.55	T.	5	11	8	12	w.	C. E. Barrett.
Bardstown	Nelson	647	37	40.0	+ 4.7	67	24	− 2	30	34	1.71	−3.01	0.65	.....	7	13	10	8	w.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	45	42.2	+ 5.2	65	24†	6	30	42	2.47	−2.44	1.10	T.	7	16	4	11	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	489	9								2.25	.....	0.56	T.	12					Lockmaster.
Brownsville, Lock 6	Edmonson	410	17								2.08	−3.12	1.10	.....	10					Lockmaster.
Burnside	Pulaski	703	43								3.02	−1.65	1.69	T.	8					T. A. Lewis
Carrollton, Lock 4	Carroll	480	35								1.21	−2.22	0.53	.....	5					Lockmaster.
Cold Spring, Dam 38	Campbell	489	8								1.68	.....	0.51	T.	10					Lockmaster.
Danville	Boyle	740	1	39.5	.....	66	24	− 1	30	37	2.49	.....	0.83	.....	10	9	8	13	w.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	6	40.9	.....	65	24	1	30	40	2.13	.....	0.62	2.0	6	7	11	13	s.	C. W. Williams.
Eubank	Pulaski	1177	19	38.7	+ 3.7	63	25	− 2	30	37	2.30	−2.17	1.27	.....	4	13	4	14	s.	Mrs. Katie Payne.
Frankfort	Franklin	550	42	40.4	+ 4.4	67	24	6	30	42	1.68	−2.36	0.82	.....	5	10	3	18	w.	Lockmaster.
Franklin	Simpson	691	39	42.4	+ 3.8	67	24†	3	30	34	2.31	−2.15	0.68	.....	10	13	6	12	s.	Marcus Gatewood.
Gest, Lock 3	Henry	490	23								1.73	−2.38	0.62	.....	9					Lockmaster.
Glasgow	Barren	749	9	41.8	.....	68	24	2	30	37	2.78	.....	0.81	T.	10	13	6	12	sw.	P. L. Beatty.
Grand, Dam 38	Boone	740	9								1.30	.....	0.48	.....	9					Lockmaster.
Greensburg	Green	681	41	40.3	+ 5.6	65	27	− 1	30	37	2.55	−2.25	1.05	T.	13	7	4	20	s.	Mrs. Bettie K. H. Alcorn
Hard Bridge, Lock 7	Jessamine	544	32								2.45	−1.94	1.50	.....	9					Lockmaster.
Hardinsburg	Breckinridge	646	36	40.4	+ 4.8	63	24	3	30	29	1.05	−3.31	0.41	T.	6	12	3	16	w.	W. J. Ingolt
Hartwell	Garrard	1032	8								0.98		0.49	.....	7					Walter Billion.
Hazard	Perry	1000	38	40.2	+ 5.2	68	24†	0	30	38	1.65	−3.00	0.70	T.	9	11	10	10	s.	H. H. Willis.
Hodgenville	Grayson	686	50	37.2	+ 4.3	65	24	0	30	34	1.94	−2.26	1.05	0.1	12	9	6	16	ne.	U. S. Weather Bureau
Lexington	Fayette	969	23								2.14	−2.54	1.27	.....	5					Lockmaster.
Lockport, Lock 5	Jessamine	569	23								1.61	−2.63	0.64	T.	6					Lockmaster.
Louisville, Lock 2	Henry	485	24								1.01	−2.59	0.61	T.	7	10	5	16	s.	U. S. Weather Bureau
Loretto	Nelson	595	61	38.4	+ 4.0	64	24	2	30	41	2.75	−1.85	0.75	0.2	6	20	2	9	.....	Sisters of Loretto.
Lowell	Hardin	777	38								1.72	−3.28	1.10	.....	4					Lockmaster.
Lowes, Lock 5	Mercer	520	20								1.86	−2.40	0.70	.....	8	6	7	19	sw.	Miss Ruth Latta.
Louisville	Jefferson	525	45	38.2	+ 4.8	62	25	0	30	31	1.64	−2.11	1.03	.....	4					Elizabeth J. Bourne.
Lyndeville	Spencer	481	32								1.64	−2.11	1.03	.....	4					Lockmaster.
Tyrone, Lock 8	Anderson	524	16								2.12	−2.96	0.97	T.	9					Miss Nettie B. Simpson.
Williamstown	Grant	942	31	38.8	+ 6.4	66	21	− 2	30	40	1.58	−2.10	0.60	.....	8	15	3	13	w.	Lockmaster.
Worthville, Lock 4	Bracken	804	17								2.12	−2.96	0.97	T.	9					
Eastern Division.																				
Ashcamp	Jackson										2.88	.....	1.84	.....	7	5	11	15	sw.	W. A. Worthington.
Ashland	Boyd	551	16	41.2	+ 6.0	66	26	0	30	38	1.58	−2.30	1.21	.....	9	8	8	15	w.	Lockmaster.
Beattyville	Madison	1076	29	40.5	+ 4.5	69	1	− 9	30	52	1.51	−3.21	0.72	T.	12	11	8	12	w.	Chas. C. Graham.
Big Hill, Lock 11	Madison	611	24								2.45	−2.62	1.40	.....	10					Lockmaster.
Buckhorn	Harrison	881	16								1.80	−2.31	1.02	T.	4					P. H. Rehoe.
Cannel City	Pendleton	826	45								1.86	−3.08	0.73	T.	8					J. V. Oldham
Carlisle	Bourbon	800	36	40.0	+ 5.2	69	24	− 1	29†	54	2.43	−1.76	1.65	.....	7	4	12	15	e.	Mrs. R. F. Stamper.
Carrollton	Boone	840	9								2.11		1.05	.....	6					C. A. Glascock
Catlettsburg, Lock 28	Boyd	551	16								1.73	−2.75	1.00	.....	7					Lockmaster.
Central City, Lock 6	Muhlenburg	407	18																	Col. Frank Powers.
Clarkson	Grayson	745	9																	
Cumberland, Dam 50	Harlan	1160	14								2.10	−1.53	1.24	.....	11					Lockmaster.
Elkhorn	Franklin	870	6																	W. W. Duffield.
Harlan	Harlan	1197	6																	Chas. O. Berg.
Hazard	Perry	860	10								3.64	.....	1.89	T.	14					
Heidelberg, Lock 14	Lee	663	17	41.9	.....	67	24	6	30	45	2.76	−2.45	1.82	T.	5	7	6	18	w.	Lockmaster.
Hyden	Leslie	1366	10								2.27		1.07	.....	8					R. R. Davidson.
Irvine	Estill	884	20								2.03	1.68	1.75	.....	5					Lockmaster.
Jackson	Breathitt	1000	14								3.56	−0.44	2.51	.....	7					Jonas H. White.
Manchester	Clay	1161	14								3.75	−2.24	0.98	.....	10	8	6	17	sw.	Lockmaster.
Maysville	Mason	504	27	39.2	+ 3.3	66	24	0	30	44	3.44	−1.31	2.04	.....	6	8	22	1	.....	Mattie W. Woodson
Middlesboro	Bell	1125	28	40.5	+ 1.3	69	25	1	26	56	3.44	−1.31	2.04	.....	6	15	3	18	nw.	W. B. McKee.
Mount Sterling	Montgomery	960	44	36.7	− 3.2	65	24	− 3	30	40	1.87	−3.14	0.65	.....	6					Lockmaster.
Oneida	Clay	1161	14								1.56	−1.98	0.57	T.	9					Manuel Robinson.
Owingsville	Bath	797	7								2.59		1.00	.....	7					Robert Hopper.
Pikeville	Pike	667									2.74	−1.72	1.20	T.	6					E. W. Stumbgefield.
Pineville	Bell	1035	28								1.59		0.45	T.	16	13	3	15	.....	R. W. Jones.
Prestonsburg	Floyd	732	8	42.8	.....	71	24	0	30	49	0.67		0.22	T.	3					Lockmaster.
Proctor, Lock 13	Letcher	1017	10	41.5	.....	72	24	− 1	30	50	2.16	−1.80	1.21	.....	8					Lockmaster.
Richmond	Madison	950	45	42.6	+ 6.3	68	25	− 1	30	60	3.01	−1.47	1.76	.....	9	10	4	17	.....	T. W. Crooke.
Riverton, Lock 9	Jackson	571	21								1.66	−3.01	1.22	.....	8					Lockmaster.
Rockhouse, Dam 52	Lewis	750	10								1.75	−2.53	0.88	.....	8					Lockmaster.
Salyersville	Magoffin	1142	9								3.00		1.25	T.	19					C. H. Zimmerman.
Tompkinsville	Monroe	645	45	37.5	+ 6.5	65a	24	1	29	57a	3.35	−1.41	2.28	.....	7	11	13	7	.....	H. E. Davis.
Wheelwright, Lock 12	Floyd										2.43	−2.49	1.75	2.0	6				.....	Lockmaster.
Williamsburg	Whitley			36.4	+ 4.6	72	21	3	30	69	1.85	−2.49	2.51	6.2	8	11	6	14	w.	

[illegible] Precipitation is less than 0.01 inch. [illegible] Lone Oak. [illegible] Lock 5, Lewis [illegible] Lock 6, [illegible] Ky.; Lock 7, [illegible] Ky.; Lock 8, [illegible] Ky.; Lock 9, [illegible] Ky.; Lock 10, [illegible] Ky.; Lock 11, [illegible] Ky.; Lock 12, [illegible] Ky.; Lock 13, [illegible] Ky.; Lock 14, [illegible] Ky.

Daily Precipitation for January, 1934.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Western Division																																
Beaverlick				.80	.05	.35			.05			.10												.20								
Beaver Dam	G			.51	T	.13	.14	T.	.01			.06	.05																			
Bowling Green	G			.55	.02	.16	.18	.02				.10	.10			.01					.07	.01	.13				.02	T				
Centerville	G			T	.01	T	.17	.10	.05	T.		.02	.03			T.	T.				.01	T					T					
Henderson	O			.48		.42	.32	.02	.02			.10	.02									T	.08				T	T				
Hopkinsville	O			.62		.26		.04														T	.04		T						
Lovelaceville				.08	.02	.34	.35	.02	.02													.12								.02	1.16
Marion	O			1.08	.03		.10	.03				.11	T.			.06					.01										
Mayfield	M						.30	1														13									
Murray	M			.52				.20				.15		T.																	
Owensboro	T.	T.		.47		.37	.20	T				.09																			
Owensboro, Dam 46	O			.71	T.	.07	.11	.02	.04	T.		.12				T		T.	T.	T.	T	T			T						
Padueah	O				.78	T	.15	.04	.02	T		T.	.11								T	.06	.16		T	T		T.		1	
Padueah (near)	O			.24	.06		.24	.01	.02			.06	.06			.01						.03	.27			.02	T				
Princeton	C			.06							.30												.02			.02	.01				
Russellville	C		T	.72	.05	.25	.12	.05	T			.16				.02		.20			.01	.08		T	T						
Sturgis, Lock No. 2	K			T.	.57		.29	.03				.08										.04									
Uniontown, Dam 49	O	T.			.50	.10	.10	.04			.07		.05			T.						.04	.05								
Central Division				T.	.68	T	.14	.02	.62	T.		T.	.05									.03	.08			.02	T				
Addison, Dam 45	O	.01																													
Adolphus	O				.58	.03	.22	.06	.03	.01		.01	.12									.05	.25			T.	.03				
Bardstown	O			.55		.12	.19	.03				T										T	.22								
Bowling Green	G			.65	.10	.20	.60	.03	.05														.08								
Bowling Green, No. 2	G			1.10		.70	.30	.20	.10			T.				.05		T.	T.	T.		T									
Brownsville, Lock No. 6		.06		.01	.78		.6	.04	.02				.09	.06			.06		.01				.16			.02			T		
Burnside	C	.30			.82		1.10	.04	.05			.11	.07				.07		.04			.02	.16								
Carrollton (Lock No. 11)	K	.42			.41		1.00	.08	T.				.17						.05				.08								
Cold Spring, Dam 38		.07			.53		.34		.06				.14						.22			.05	.06								
Danville		.21			.51	.03	.50	.07	.08	T.			.01	.02									.21		T.	.06		T			
Dix Dam, Burgin	K	.8			.26	.14	.68	.03	.03			T.	.01										.16			.01	.02				
Edmonton		.29			.30		1.02	.04	.43	T												T									
Frankfort	K				.45		1.27																.04		T	.03	T				
Franklin	K				.52	T	.82		.03	T.			.03				28						.03			T	T				
Geo. Lock No. 3	K	.27		.65	.04	.08	.02	.03				.03	.03			.16		.04		.16		.18	T	T							
Glasgow	O			.50	.02	.13	.25	.01	.05				.04																		
Grant, Dam 33	O	.15	T.		.70		.80	.02	.02			T.	.07			.06		.09	.05			.03			.02						
Greensburg	G	.01		.35	.02	.55	1.05	.07	.03				.06	T.								.05		.03	.05		T	T			
Green River Bridge, Lock No. 7	G	.28			.38		1.70	.05	.05	.02			.02			.11		.09	.01			.10				T					
Harrodsburg	K				.48		1.27																								
Hartford	K			.41	.08	.31	.04	T	T.			.01	T.									.04		T	.03	T					
Hartford					.40		.08	.04				.12									T	.18	T	T		T		T			
Hawesville	G			.79	.13	.25	.28	.02														.16			.03						
Hebbardsville, Lock No. 8	K			.45		1.05	.21	.2	.01	.04		.10	.05							T			.1		.5	T					
Hopkinsville	C	.38			.31	.10		1.37		T		.02	.03									.02	.18		T	.02		T	T		
Jeffersonville	K	.40		.04		.40	.06	.05													.06						T.				
Lebanon	O			.51	T.	.23	.14	.04	T.	T.		T.	.02									T									
Louisville, Lock No. 6				.78		.75	.70		.20			.10										.05	.01	T	T			T			
Lovelaceville		.31			.52		1.15	T	T														.02				T		T		
Maysville	K	.05			.20	.04	.09	.50	.03			.09											.15		T						
Monroe, Lock No. 5	K	T.																					.02								
Mount Vernon				.64	T	1.03		.03															.15		.03						
Oldtown	L			.18	.08	.02	.6	.05	.12													.08			T						
Woodbury, Lock No. 4		.04			.08		.37	.11	.02			.11							.02			.08	.09								
Eastern Division																															
Annville	C	.55			.10		1.81	.05				.07							.08			.15		.03							
Ashland	O	.37			.11		.25	.03	.04				.02	.01								.18									
Berea College, Lock No. 11	K	.54		.01	.03	.12		.04	.05	.03		.04	.05			T					.01	.18									
Cynthiana	K	.20	.02		.08		1.40	.06	.04													.08									
Falmouth	K	.01			.50		1.02		T												.02	.08			.01	.03	T				
Farmers	K	.12			.6	T.	.75	.02	.09	T.			.02									.16									
Georgetown	K				.29		1.05	.18					.09									.16			.02		T	T			
Greenup, Lock No. 10	K	.13	T	.42		1.05	.09	.07														.16	.12				.03				
Harrison	O				.38		1.40	.05	.01	T.			.07									.42									
Hiseup, Dam 29	C	.14																			T.	.07		T			T	T		
Jackson	C				.23		1.24	.10	.03	.01			.04	.12																	
Kenova	C																					.03								
Langdon, Lock No. 14	K	.22				.12	1.82	.04	.02				.14			T		.10			.04	.03			.04	.02	T				
Lakes		.27	T		.15		1.82	.04					.24					.10			.04	.03			.04	.02	T				
Louisa	G			.97	.11		.25	.03					.16					.15			.2	.17								
Manchester	L	.15			.05		1.75						.18			.15		.20				.24			.15		.02				
Maysville	K	.50			.13		2.80	.06														.04									
Middlesboro	O	.2	.03		.02		.55	.03	.07	.01			.10									.04									
Mount Sterling		.2			.35	.30	.04					.02		T					.05			.02									
Peonia, Dam 35	L						.07	.20	.02			.32										.05			.01		T				
Pineville	O	.10			.58	.02	.7	.02	.06	T.		.04									T	.02		T	T		T	T			
Prestonsburg	K				.60		1.10	.07					.05	.05								.03			T		T	T			
Quicksand	K	.70	.09		.95		1.00	T	T				.13	.03								.07					T	T			
Richmond	K	.12			.20	.18	.45		.01			.17	.2	T.		T		T.	T.			.07				T					
Ravenna, Lock No. 12	K	.32						T										.02				.03			.01	.02	T				
Salyersville	K	.24	T		.20		1.21	.07	T	.10			.15								T	.08				T		T	T		
Sandy View, Lock No. 9	K				.10	.01	.78	.08					.07									.08					T				
Smithsburg, Dam No. 32	O			.42		1.50	.06	.05	.07			.01										.07			.02	.01					
Stanford	K				.20		.80	.06	.02				.08	.01								.16			.02						
Stanton	K	.7			T	.01	.2	.6					.08	.01								.13									
Tompkinsville	C	.20			.12		.2	.8	.04				.15									.15				T	.03		.02		
Tyrone, Lock No. 13	K				.22	.25							.15									.14									

Except as otherwise indicated observations are generally taken [illegible] at about [illegible] local standard time, the [illegible] day of observation.

(Records mark "T" Regular Weather Bureau stations; those [illegible] the amount [illegible] 0.01 inch.

† Precipitation measured [illegible]

‡ Separate gauges [illegible]

Other [illegible]

[illegible]

Daily Temperatures for January, 1934.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.	Maximum	61	40	50	50	51	53	52	50	35	47	56	50	47	16	63	60	51	50	57	59	54	61	58	68	66	65	67	64	42	27	42	53.0
Beaver Dam	Minimum	36	31	32	42	43	34	32	33	29	25	29	29	36	21	25	34	21	27	41	26	31	44	34	31	36	35	39	40	16	2	14	31.0
	Maximum	63	38	48	51	51	45	51	47	32	44	54	51	46	44	62	55	52	49	56	57	54	60	58	66	64	68	64	48	65	61	37	50.5
Calhoun	Minimum	37	31	32	41	44	38	44	32	28	29	28	41	38	27	27	37	27	32	35	32	35	46	38	36	43	36	41	27	6	3	16	32.9
	Maximum	63	37	47	51	51	46	51	45	33	46	53	48	45	44	60	55	49	51	56	58	53	61	58	66	64	68	64	44	65	60	35	49.9
Farlington	Minimum	36	32	33	37	44	37	44	32	23	23	25	41	37	24	26	34	25	36	38	30	38	46	38	36	43	36	41	27	6	1	14	32.9
	Maximum	61	36	47	50	49	45	51	48	34	43	54	50	46	45	60	54	51	49	54	57	57	61	58	66	63	44	66	70	40	22	39	50.7
Greenville	Minimum	35	30	30	39	42	33	43	30	27	27	23	39	38	22	23	32	19	27	33	28	31	45	31	28	41	26	39	40	6	1	11	30.5
	Maximum	61	42	46	50	51	46	46	41	31	46	54	47	46	46	60	51	50	53	54	56	58	56	56	65	67	56	41	64	34	24	39	49.8
Henderson	Minimum	35	30	31	40	39	37	41	30	27	25	26	39	35	29	29	35	27	30	32	32	32	46	36	33	34	40	34	36	23	5	3	31.8
	Maximum	60	36	52	49	50	44	50	46	38	45	53	46	46	46	61	54	52	49	52	53	53	46	55	53	42	38	44	34	7	3	14	31.8
Hopkinsville	Minimum	35	32	29	42	40	34	43	32	29	26	28	30	35	21	25	33	22	29	48	33	38	46	35	33	42	38	44	34	7	3	14	30.1
	Maximum	63	38	48	53	53	49	46	39	36	46	56	52	48	48	60	52	54	52	53	57	57	58	64	58	45	61	60	40	25	25	11	30.6
Lovelaceville	Minimum	35	30	30	42	41	37	36	30	28	23	24	40	36	21	24	34	21	24	37	33	33	48	33	32	40	37	38	38	8	3	11	29.1
	Maximum	62	37	50	51	51	46	50	41	32	41	53	47	44	44	61	54	51	49	54	57	57	61	58	66	63	44	66	70	40	22	39	50.5
Marion	Minimum	29	29	31	40	40	38	33	22	22	26	27	30	35	23	28	32	23	26	37	30	35	47	35	33	43	36	39	40	6	1	11	30.5
	Maximum	60	55	49	48	48	44	44	39	35	44	51	47	44	..	66	54	50	50	55	53	49	58	55	59	59	56	62	56	56	36	5	[a]49.9
Mayfield	Minimum	35	31	30	44	41	37	37	31	25	21	30	40	34	..	26	34	25	32	41	39	42	41	35	34	40	30	42	42	8	5	5	[a]32.4
	Maximum	61	38	48	53	54	46	52	42	51	49	38	47	48	47	62	49	52	49	52	53	52	63	60	68	57	49	46	39	7	4	12	29.8
Murray	Minimum	34	33	28	43	43	33	33	41	32	30	20	21	38	27	19	21	22	18	22	25	33	46	38	35	43	36	40	42	6	2	11	30.0
	Maximum	60	37	47	50	45	45	46	46	29	37	42	45	46	40	58	53	49	45	55	55	58	63	58	65	66	58	62	61	39	20	37	51.5
Owensboro	Minimum	35	30	29	39	41	35	41	28	26	27	26	38	33	25	28	31	24	28	36	30	32	44	36	32	40	32	42	42	8	3	15	31.1
	Maximum	62	37	50	51	51	46	50	41	32	41	53	47	45	49	63	53	50	49	55	59	56	63	58	66	63	44	66	70	40	22	39	[a]48.4
Princeton	Minimum	36	32	30	44	43	34	41	30	29	26	25	40	33	23	25	33	23	26	37	30	35	47	35	33	43	36	39	40	6	1	11	[a]30.9
	Maximum	59	38	53	49	44	45	52	46	33	43	..	52	47	43	58	45	49	50	49	53	56	46	42	48	51	49	43	46	5	2	6	
Russellville	Minimum	49	30	29	32	44	34	40	33	30	21	..	25	..	35	23	29	32	21	25	33	30	37	33	34	32	41	39	43	46	5	2	6	
Central Division.	Maximum	61	42	45	50	50	49	46	43	32	32	49	49	44	38	57	48	38	52	54	60	62	59	52	62	54	41	60	54	38	19	39	47.7
Anchorage	Minimum	38	30	30	35	43	39	43	32	28	25	22	36	33	25	22	26	17	26	30	25	31	41	34	31	36	35	41	33	3	0	11	28.9
	Maximum	61	41	47	50	51	45	52	47	37	36	53	47	43	40	60	54	49	50	56	58	56	60	57	65	66	59	67	57	38	24	43	50.1
Bardstown	Minimum	40	32	31	39	41	35	44	35	28	29	31	35	39	26	25	34	22	30	38	30	32	44	36	33	40	32	42	43	5	1	13	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Bowling Green	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	26	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Danville	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Dix Dam	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Eminence	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Frankfort	Minimum	40	32	31	35	46	37	44	37	29	30	32	39	38	28	27	36	25	28	39	32	34	46	38	36	43	37	43	43	5	1	14	32.9
	Maximum	62	56	54	50	50	46	55	46	36	48	54	47	46	47	56	49	52	49	52	54	53	57	57	67	67	56	67	62	41	22	39	51.5
Franklin	Minimum	40	32	29	43	44	36	43	35	30	28	26	38	36	25	24	34	22	26	37	30	33	45	37	35	43	36	41	33	4	1	14	32.9
	Maximum	62	56	54	50	50	46	55	46	36	48	54	47	46	47	56	49	52	49	52	54	53	57	57	67	67	56	67	62	41	22	39	51.5
Glasgow	Minimum	40	32	29	43	44	36	43	35	30	28	26	38	36	25	24	34	22	26	37	30	33	45	37	35	43	36	41	33	4	1	14	32.9
	Maximum	62	56	54	50	50	46	55	46	36	48	54	47	46	47	56	49	52	49	52	54	53	57	57	67	67	56	67	62	41	22	39	51.5
Greensburg	Minimum	40	32	29	43	44	36	43	35	30	28	26	38	36	25	24	34	22	26	37	30	33	45	37	35	43	36	41	33	4	1	14	32.9
	Maximum	62	56	54	50	50	46	55	46	36	48	54	47	46	47	56	49	52	49	52	54	53	57	57	67	67	56	67	62	41	22	39	51.5
Irvington	Minimum	40	32	29	43	44	36	43	35	30	28	26	38	36	25	24	34	22	26	37	30	33	45	37	35	43	36	41	33	4	1	14	32.9
	Maximum	62	56	54	50	50	46	55	46	36	48	54	47	46	47	56	49	52	49	52	54	53	57	57	67	67	56	67	62	41	22	39	51.5
Leitchfield	Minimum	40	32	29	43	44	36	43	35	30	28	26	38	36	25	24	34	22	26	37	30	33	45	37	35	43	36	41	33	4	1	14	32.9
	Maximum	62	56	54	50	50	46	55	46	36	48	54	47	46	47	56	49	52	49	52	54	53	57	57	67	67	56	67	62	41	22	39	51.5
Lexington	Minimum	40	32	29	43	44	36	43	35	30	28	26	38	36	25	24	34	22	26	37	30	33	45	37	35	43	36	41	33	4	1	14	32.9
	Maximum	62	56	54	50	50	46	55	46	36	48	54	47	46	47	56	49	52	49	52	54	53	57	57	67	67	56	67	62	41	22	39	51.5
Louisville	Minimum	40	32	29	43	44	36	43	35	30	28	26	38	36	25	24	34	22	26	37	30	33	45	37	35	43	36	41	33	4	1	14	32.9
	Maximum	62	56	54	50	50	46	55	46	36	48	54	47	46	47	56	49	52	49	52	54	53	57	57	67	67	56	67	62	41	22	39	51.5
St. John	Minimum	40	32	29	43	44	36	43	35	30	28	26	38	36	25	24	34	22	26	37	30	33	45	37	35	43	36	41	33	4	1	14	32.9
	Maximum	62	56	54	50	50	46	55	46	36	48	54	47	46	47	56	49	52	49	52	54	53	57	57	67	67	56	67	62	41	22	39	51.5
Shelbyville	Minimum	40	32	29	43	44	36	43	35	30	28	26	38	36	25	24	34	22	26	37	30	33	45	37	35	43	36	41	33	4	1	14	32.9
	Maximum	62	56	54	50	50	46	55	46	36	48	54	47	46	47	56	49	52	49	52	54	53	57	57	67	67	56	67	62	41	22	39	51.5
Taylorsville	Minimum	40	32	29	43	44	36	43	35	30	28	26	38	36	25	24	34	22	26	37	30	33	45	37	35	43	36	41	33	4	1	14	32.9
	Maximum	62	56	54	50	50	46	55	46	36	48	54	47	46	47	56	49	52	49	52	54	53	57	57	67	67	56	67	62	41	22	39	51.5
Williamstown	Minimum	40	32	29	43	44	36	43	35	30	28	26	38	36	25	24	34	22	26	37	30	33	45	37	35	43	36	41	33	4	1	14	32.9
Eastern Division.	Maximum	61	43	43	52	55	56	59	57	40	36	42	42	45	42	55	56	43	46	49	55	59	60	63	62	64	66	62	62	45	19	40	50.9
Ashland	Minimum	33	31	33	31	45	39	43	34	30	24	28	30	32	31	37	36	30	32	31	37	40	42	42	42	42	24	38	35	44	11	6	0	11	31.6
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Berea	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Farmers	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Harlan	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Hazel Green	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Maysville	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Middlesboro	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Mount Sterling	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Pikeville	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Quicksand	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Richmond	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5
Williamsburg	Minimum	38	33	30	38	43	36	43	35	32	30	36	37	36	26	25	34	21	26	36	28	31	42	35	33	41	35	41	33	4	1	14	32.9
	Maximum	63	44	53	55	49	45	53	49	45	43	59	47	49	46	57	50	49	50	52	57	53	59	57	65	66	58	65	62	50	23	40	51.5

[a] Departs are based on two months' records; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
** The column headed by 1 [illegible] the days missing from record.
[illegible]

UKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

THE LIBRARY OF THE
JUN 21 1934

CLIMATOLOGICAL DATA.

J. L. KENDALL,

VOL. XXXIX LOUISVILLE, KY., FEBRUARY, 1934 No. 2

GENERAL SUMMARY.

Decidedly cold and unfavorable weather predominated, with unusual dryness in the northern counties. Winter grains, rendered dormant by the cold weather late in the preceding month, remained in that condition and seemed slowly to deteriorate. The repeated severe freezes, with inadequate snow protection, evidently caused considerable damage to the weaker plants. Because of the low water content of the soil the freezes caused no lifting of consequence. Early sown wheat had rooted deeply, and seemed to settle as the freezes lightened the texture of the soil. Rye for pasture showed little growth and appeared decidedly inferior to its usual condition. The bleakness and seared aspect of the grain and pasture fields at the end of the month contrasted strikingly with their green and promising appearance in the month preceding.

Precipitation, mostly in the form of snow, equalled the low record at some northern stations. The dry, windy weather interfered seriously with handling tobacco, which had to be sprayed or otherwise dampened before it could be stripped or marketed. The work of moving the weed was favored, however, by the excellent condition of dirt roads. Plowing advanced to an unusual degree. The soil was often full of frost yet workable because of the slight moisture content, and was also extremely friable on account of the deep, dry freezes. On some farms, especially in the southern counties the plowing preparatory for spring planting advanced toward completion. Land cultivated last year worked as well as sod land, which is exceptional for midwinter.

Plantbed preparations proceeded at times during the last half, but the snow and severe temperatures interfered in the last week. This snow furnished moisture for grains and gave some cover during the hardest freeze of the winter, which occurred in most sections during the last three days. In places water for livestock became scarce and had to be hauled. This situation was further complicated by the freezing of the scant supplies available during the zero weather.

TEMPERATURE.

In the eastern and northern counties the average daily temperature deficiency ranged from 7° to 9°, but in southern and western districts it was much less. Daily mean temperatures exceeded the normal on a few days in the first week and near the middle of the month. Temperatures fell to zero or lower at the end of the first decade and near the close. The extremes were 72° at Franklin, Hopkinsville, and Murray on the 14th, and —19° at Farmers on the 27th.

PRECIPITATION.

Precipitation for the State averaged above normal at several southcentral and southeastern stations, which received from 4.0 to 5.0 inches. In an east-west belt through the center of the State from 2.0 to 3.0 inches occurred, but north of this belt amounts fell off to less than an inch near the Ohio River. For the State monthly precipitation ranged between 5.14 inches at [illegible] inch at Carrollton. Most stations in the western and northern [illegible] to 3.0 inches of snow. In the southern counties [illegible] the most of the precipitation [illegible] Louisville [illegible] Many of the snow [illegible] Most [illegible]

MISCELLANEOUS.

Rivers.—Diminishing streams [illegible] rain and melting snow caused a moderate rise [illegible]

The Ohio contained considerable ice after the 14th. [illegible] ice immediately above Louisville from the 24th to 26th. Moderate gorges [illegible] several days late in the month near Mt. St. Mary's, Indiana, and at Lawrenceburg, above Cincinnati. Boats continued to push through between Louisville and Jeffersonville until the 20th, when navigation ceased.

Errata.

December, 1933, page 46: Prevailing wind direction for Marion should be west. Greatest 24-hour precipitation should be 1.35 for Louisville, 1.36 for Madisonville, and 1.35 for Owensboro.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Mean barometric pressure reduced to sea-level. Mean.	Highest.	Date.	Lowest.	Date.	Wind. Average hourly velocity.	Maximum velocity.	Direction.	Relative humidity. Date.	7 a. m.	12 Noon	7 p. m.	Percentage of sunshine.
Cairo	Ill.	30.22	30.85	27	29.2	23	9.6	30	nw.	18	74	55	55	64
Cincinnati	Ohio	30.25	30.87	9	29.50	12	8.4	28	w.	26	78	61	66	57
Evansville	Ind.	30.24	30.87	27	29.53	18	9.5	25	n.	18	73	56	64	57
Louisville	Ky.	30.29	30.90	27	29.62	12	11.1	31	n.	25	78	53	64	57

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Range.	Greatest daily.	Precipitation. Least monthly.	Average snow fall.	Greatest precipitation (24 hours or less).	Number of days. Snow.	Fogs.	Thunderstorms.
1900	33.1	− 2.5	74	3	71	−1.50	2.58	0.8	...	...	...	...
1901	48.6	+ 8.7	76	16	60	+4.54	10.34	2.4	...	...	...	...
1902	42.2	+ 6.3	75	9	66	+1.58	2.15	2.9	...	...	...	...
1903	42.2	+ 5.3	70	11	59	+0.50	4.50	1.8	...	...	...	...
1904	37.7	+ 0.8	76	3	73	+1.00	7.74	2.6	...	...	...	...
1905	34.6	− 2.3	74	2	72	−1.22	7.16	4.0	...	...	...	...
1906	26.9	−11.0	59	−18	77	−2.78	1.86	0.8	...	5	12	...
1907	37.4	+ 0.5	74	− 5	79	−1.38	4.45	1.5	...	4	7	1
1908	32.9	− 3.9	76	18	58	−2.34	8.50	3.0	1.2	13	8	1
1909	37.4	+ 0.5	72	− 3	75	−1.40	3.47	3.0	1.2	9	9	1
1910	26.2	−10.7	71	−30	101	−9.50	8.64	1.8	1.8	15	5	1
1911	30.5	− 4.4	76	− 9	85	−1.24	6.85	2.6	1.6	12	7	1
1912	32.4	− 3.5	71	1	70	−2.15	2.58	1.4	0.7	10	4	1
1913	39.2	+ 3.0	70	8	62	−2.14	3.16	0.8	0.8	4	11	1
1914	37.8	+ 0.6	75	−16	91	−2.84	13.50	4.8	3.1	11	4	1
1915	35.2	− 1.7	75	− 2	77	−1.12	4.62	1.0	2.6	8	8	1
1916	27.7	− 9.0	57	−16	73	−1.66	4.46	1.5	3.2	9	3	1
1917	33.7	− 2.2	70	−12	82	−1.34	2.46	1.0	5.9	14	6	1
1918	29.7	− 6.2	70	−10	80	−0.50	6.64	2.2	1.2	11	7	1
1919	35.6	− 1.8	70	− 2	72	−2.22	3.06	0.4	1.6	6	12	1
1920	42.4	+ 5.5	75	+ 8	67	+1.70	11.82	3.5	1.8	9	8	1
1921	32.9	− 4.0	66	−12	78	+1.26	7.15	2.1	1.5	8	3	1
1922	42.6	+ 5.1	80	11	69	− 0.9	5.17	1.1	1.4	7	4	1
1923	36.7	− 7.2	78	−15	93	−0.8	4.51	0.6	3.5	7	4	1
1924	34.8	− 2.1	77	− 2	79	−1.44	4.88	1.2	1.4	8	5	1
1925	32.2	− 4.7	69	− 2	71	−0.50	6.51	2.2	1.8	11	7	1
1926	40.9	+ 3.9	75	16	59	−1.70	2.83	0.5	1.2	3	7	1
1927	36.0	− 1.0	72	− 4	76	−1.46	4.19	1.2	1.5	11	5	1
1928	34.8	− 2.1	80	− 6	86	−2.00	8.26	1.4	4.7	7	4	1
1929	28.3	− 7.4	65	−19	84	−1.54	2.46	0.4	0.9	6	7	1
1930	38.6	+ 1.7	69	12	57	−1.22	3.34	0.4	0.6	6	12	1
1931	28.7	− 1.2	71	0	71	−1.97	5.92	0.9	3.5	9	4	1
1932	41.3	+ 4.4	73	12	61	−0.5	5.01	1.1	1.8	10	8	1
1933	41.2	+ 4.1	78	4	74	−0.54	4.98	1.2	0.8	10	8	1
1934	34.6	− 2.5	72	− 3	75	−1.40	3.47	1.5	1.2	9	9	1
1924	36.6	− 1.0	71	9	62	−1.70	2.83	0.5	1.2	3	7	1
1925	44.6	+ 7.1	78	8	70	−1.46	4.19	1.2	1.5	11	5	1
1926	44.1	+ 4.9	70	8	62	−1.40	4.88	1.4	1.8	10	4	1
1927	48.6	+ 8.7	81	16	65	−0.7	4.62	1.0	1.4	8	3	1
1928	38.1	+ 1.2	76	6	70	−1.40	4.46	1.5	3.2	9	3	1
1929	30.2	− 6.7	66	14	52	−1.34	2.46	1.0	5.9	14	6	1
1930	43.1	+ 6.2	70	9	61	−0.50	6.64	2.2	1.2	11	7	1
1931	42.6	− 4.7	74	15	59	−1.70	2.83	0.5	1.2	3	7	1
1932	37.7	− 0.8	73	3	70	−1.46	4.19	1.2	1.5	11	5	1
1933	41.8	− 5.1	72	9	63	−1.34	2.46	1.0	5.9	14	6	1
Past 34	38.4	...	78	3	75	...	13.50	4.8	5.9	14	12	1

Climatological Data for February, 1934.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	30	33.0	−3.2	70	14	−8	27	39	1.90	−1.28	0.93	3.0	5	12	8	8	n.	Mrs. Lena F. Taylor.
Calhoun	McLean	437	30	33.9	−3.8	70	14	−9	27	37	2.65	−0.61	1.76	11.3	6	4	17	7	ne.	W. A. Taylor.
Earlington	Hopkins	420	44	33.8	−3.5	69	14	−5	27	39	2.78	−0.83	2.30	8.0	6	14	3	11	n.	Brink Southworth.
Fords Ferry, Dam 50	Crittenden	356	5								1.55		0.90	11.0	4					Lockmaster.
Greenville	Muhlenburg	519	17	*33.0	−6.3	70§	14	7*	26†	32§	2.65	−0.69	2.06	4.5	5	13	8	7	e.	C. R. Lovell.
Henderson	Henderson	362	20	32.0		69	14	−7	27	33	1.38	−1.24	0.40	6.0	6	6	14	8	nw.	Richard Stites
Hopkinsville	Christian	524	38	34.6	−3.8	72	14	1	27	33	3.95	+0.26	2.90	3.5	8	10	2	16	se.	W. B. Graves.
Lawrenceville	Ballard	....	5	35.2		65	11†	−3	27	39	2.92		1.00	4.5	5	18	5	6	s.	Blaine Malone.
Marion	Crittenden	571	35	33.3	−3.7	70	14‡	−5	27	37	0.60	−0.44	0.60	6.0	1	14	7	7	n.	B. C. Paris.
Mayfield	Graves	961	25	*33.6	−5.7	68*	14	3*	27†	36*	3.24	−0.42	2.00	4.0	3	15	5	8	ne.	Mrs. C. R. Sowell.
Murray	Calloway	412	8	34.8		72	14	0	27	48	3.02		1.90	2.5	5	13	7	8	e.	Harry B. Arnold
Owensboro	Daviess	479	37	30.7	−5.4	65	14†	1	27	35	1.39	−1.63	0.50	5.5	5	18	3	7	n.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	6								1.06		0.44	6.1	6					Lockmaster.
Owensboro, Dam 46	Daviess	420	9								2.46	−0.51	1.52	2.0	5	16	7	5		R. J. Rhodes.
Paducah	McCracken	316	17								2.80	+0.23	1.60	4.0	5					J. W. Lilley
Paducah (near)	McCracken	311	45								3.20	−0.99	1.68	4.0	6	15	4	9	n.	Dr. W. L. Cash.
Princeton	Caldwell	629	27	34.0	−2.4	71	14	−2	27	44	1.56	−1.16	0.65	6.3	7					Lockmaster.
Ramsey, Lock 2	McLean	384	17								4.32	+0.89	1.96		6	14	4	10	n.	Wm. Shelton.
Russellville	Logan	540	23	31.9	−5.5	70	14	7	27	33	0.82		0.35	5.0	4					Lockmaster.
Uniontown, Dam 45	Union	357	6																	
Central Division.																				
Addison, Dam 45	Breckinridge	352	6								1.22		0.35		9					Lockmaster.
Anchorage	Jefferson	500	33	28.8	−4.2	64§	14	−15	27	38§	0.71	−2.13	0.50	5.5	4	18	5	8	ne.	C. E. Barret.
Bardstown	Nelson	637	37	31.2	−4.5	67	14	−10	27	38	1.91	−1.76	1.10	9.0	5	15	5	8	w.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	45	35.3	−3.4	69	14	3	27	39	1.30	−2.60	1.10	4.0	3	13	8	7	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	402	9								2.80		0.98	5.0	8					Lockmaster.
Brownsville, Lock 6	Edmonson	410	17								2.63	−1.56	1.50	6.8	7					Lockmaster.
Burkesville	Pulaski	773	43								4.03	−0.06	1.82	10.2	8					T. A. Lewis
Burnside	Pulaski	480	35								0.39	−2.24	0.19		3					Lockmaster.
Carrollton, Lock 1	Carroll	489	8								0.48		0.14	7.0	8					Lockmaster.
Cold Spring	Campbell	540	1	30.2		65	13	−6	27	41	3.41		2.34		7	9	11	8	n.	Ralph C. Wyatt.
Danville	Boyle	750	6	33.6		66	15	−5	27	37	2.24		0.89	12.0	6	12	3	13	sw.	C. W. Williams.
Dix Dam, Bargin	Mercer	777	6	33.6		66	15	−5	27	37	4.90	+1.04	3.60	16.0	5	7	6	15	n.	Mrs. Katie Payne.
Eubank	Pulaski	1177	4	28.5	−6.3	57	15†	−16	27	34	0.95	−2.27	0.39	6.0	6	6	9	13	w.	Lockmaster.
Frankfort	Franklin	560	42	31.0	−4.9	65	14	−9	27	38	3.81	−0.68	2.25	7.5	6	12	7	9	n.	Marcus Gatewood.
Franklin	Simpson	691	39	36.0	−3.0	72	14	0	27	41	0.74	−2.20	0.25	4.4	6					Lockmaster.
Frost, Lock 3	Henry	490	23								4.68		2.15	4.7	7	11	8	9	n.	P. L. Beatty.
Glasgow				38.4		69	14	−2	27	38	0.49		0.18		7					Lockmaster.
Grant, Dam 38	Boone	780	9								3.79	−0.11	2.10	9.0	8	2	2	24	n.	Mrs. Bettie K. H. Alcorn
Greensburg	Green	881	41	32.8	−2.1	69	14	−7	27	40	2.01	−1.24	0.75		9					Lockmaster.
Hico Bridge, Lock 7	Jessamine	544	32								1.48	−1.64	0.78	6.0	5	13	7	8	nw.	W. J. Piggott
Irvington	Breckinridge	646	35	32.0	−4.1	64	14	−6	27	32	2.38		0.85		6					Walter Killion.
Lancaster	Garrard	1032	8								1.23	−2.13	0.50	8.0	7	15	6	7	ne.	H. H. Willis.
Leitchfield	Grayson	635	38	32.0	−3.2	67	14	−8	27	35	1.64	−1.94	0.79	8.8	10	8	11	9	s.	U. S. Weather Bureau.
Lexington	Fayette	989	50	28.4	−7.0	62	14	−3	27	38	2.35	−0.81	0.90	10.0	5					Lockmaster.
Little Beaman, Lock 8	Jessamine	560	23								1.17	−1.50	0.35	6.0	8					Lockmaster.
Lockport, Lock 2	Henry	485	24								0.41	−3.11	0.26	3.0	4	9	10	9	u.	U. S. Weather Bureau.
Louisville	Jefferson	525	61	29.8	−7.4	64	14	0	9	33	2.11	−1.61	1.02	6.5	8	19	2	7		Sisters of Loretto.
St. John	Hardin	775	38	32.7	−1.8	65	15	−13	27	35	2.11	−2.04	0.74	9.7	5					Lockmaster.
Salvisa, Lock 6	Mercer	520	20								1.21	−2.04	0.58	5.6	7	0	8	10	nw	Miss Ruth Ratta.
Shelbyville	Shelby	825	46	29.4	−5.1	63	14	−10	27	35	1.19	−2.38	0.58	5.6	7					Elizabeth J. Bourne.
Taylorsville	Spencer	485	32																	Lockmaster.
Tyrone, Lock 5	Anderson	524	16								0.59	−2.13	0.26		3					Mrs. Nettie B. Simpson.
Williamstown	Grant	943	31	28.8	−4.1	60	14	−9	27	37	0.91	−1.82	0.45	4.0	6	13	9	6	w.	Lockmaster.
Woodbury, Lock 4	Butler	504	17								2.50	−1.06	1.23	6.7	6					
Eastern Division.																				
Annville	Jackson										5.14		2.56	20.2	8	9	7	12	ne.	W. A. Worthington.
Ashland	Boyd	534	15	28.6	−8.2	56	14	−4	9	36	1.41	−1.68	0.58	12.0	8	12	2	14	n.	Lockmaster.
Berea	Madison	1070	29	30.7	−5.6	65	14	−8	27	39	3.60	+0.49	2.25	10.0	7	13	8	7	w.	Chas. C. Graham.
College Hill, Lock 11	Madison	611	24								2.85	+0.08	1.20	16.0	7					Lockmaster.
Harrodsburg	Harrison	681	16								0.74	−2.14	0.30	5.0	6					P. H. Kehoe.
Falmouth	Pendleton	600	45								0.82	−2.36	0.36	6.1	7					J. V. Oldham.
Farmers	Rowan	668	26	28.6	−8.0	62	14	−19	27	42	1.68	−1.32	0.77	5.0	6	5	11	12	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	9								1.27		0.60		5					C. A. Glascock
Ford, Lock 10	Clark	637	18								1.93	−0.23	0.88	9.0	8					Lockmaster.
Grayson	Carter	585	9																	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	14								1.10	−1.89	0.50	9.2	9					Lockmaster.
Harlan	Harlan	1197	6																	W. W. Duffield.
Hazard	Perry	869	10								3.67		1.37	4.1	9					Chas. O. Ilrig.
Heidelberg, Lock 14	Lee	663	17	31.4		66	14	−9	27	43	3.36	−0.01	1.65	12.5	10	6	5	17	w.	Lockmaster.
Jenkins	Letcher	1506	10								4.46		1.94		10					R. R. Davidson.
Louisa	Lawrence	564	30								0.81	−2.59	0.30		7					Lockmaster.
Manchester	Clay		14								3.58	+0.59	1.88	8.7	6					Leanett M. White.
Maysville	Mason	504	37	28.4	−6.3	59	14	−10	27	39	0.84	−2.33	0.30	4.5	8	9	6	13	ne.	Lockmaster.
Middlesboro	Bell	1128	38	*32.0	−7.8	66*	14	−1*	27	41*	1.92	−2.60	1.05	6.5	5	13	13	5		Matthew Woodson
Mount Sterling	Montgomery	993	14	27.0	−7.2	56	15	−13	27	32	1.37	−2.38	0.28	12.5	8	12	5	11	ne.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	7								0.43	−2.55	0.13	5.5	8					Lockmaster.
Paintsville	Boyd	597									2.50		1.26	6.1	10					Manuel Robinson.
Pikeville	Pike	636	23								3.06	+0.56	1.50	15.0	8					Robert Hopson.
Pineapple	Knott	1035		*32.1		65*	14	−6*	27	44*	3.13		1.97	7.9	12	12	1	15		J. W. Summerfield.
Quicksand	Breathitt	752	8	*29.7		65*	14	−8*	27	41*	2.43§		1.12§	15.5	5					R. W. Jones.
Ravenna, Lock 12	Estill	631	16								2.86	−0.16	1.42		9					Lockmaster.
Richmond	Madison	908	43	31.2	−5.2	64	15	1	9	32	0.65	−2.68	0.25	6.0	5	13	1	14		T. W. Crooke.
Walker View, Lock 9	Madison	571	21								3.01	−0.17	1.00	2.10	8					Lockmaster.
Vanceburg, Dam 32	Lewis	525	19								0.67	−3.18	0.27	7.5	10					Lockmaster.
Whitesburg	Letcher	1112	9								1.33§		1.08§	19.5	6					C. H. Zimmerman.
Williamsburg	Whitley	999	37	29.3	−9.5	59	14	0	27	33	3.48	−0.12	1.42		5	4	13	11		H. F. Davis.
Willow, Lock 13	Lee	646	15								3.97	+1.42	1.75	10.0	9					Lockmaster.
State averages and extremes				31.8	−5.1	72	14	−19	27	48	2.20	−1.24	3.60	8.0	7	12	7	9	n.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, *, °, °, appearing in the table indicate number of days missing; for example, b represents two days, etc. T Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.

* Also on other dates. ** Received too late to be included in means and summaries

¶Bardstown 4-Roses.—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky. Oneonta, California, Ky.

Daily Precipitation for February, 1934.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
Western Division																														
Beaver Dam																			.20			.46		.33	.98	.02				
Calhoun																		.06	.20			.34		.20	1.76					
Earlington	T.									.04								.12	.02			T		.20	.20					
Fords Ferry Dam 50	.02																		.35	T.		.16	T.							
Greenville	T.									.12								.02				.40		.15	.45					
Henderson										T.	T.							.07	.14			.24		.40	.10					
Hawesville										.04								.14	.11			.58		.11	.20	.04				
Loyhhueville										.14																				
Marion										.05								.53				.02		.08	1.03					
Mayfield																		T.												
Murray	T.	T																	.66			.58		.60	T.					
Owensboro	T.									.08												.70		.60						
Owensboro, Dam 46	.03									T.						T.		.34	T.			.70		1.90						
Paducah	T.									T.	.01						T.	.03	.19			.28		.20	.50					
Paducah (near)										.02	T.							.27				.27	T.	.44	.04	T.				
Princeton										.17								.40				.48		1.82	.14	T.				
Ramsey, Lock No. 2										.05								.40				.02		.10	1.60					
Russellville										.04	.02						.20	.18				.44		.65	1.68	T.				
Uniontown, Dam 49	.09										.14							.26				.28	.03	.45	.28					
Central Division										T.	T.							.32				.70		1.90	1.81					
Addison, Dam 45	.01																	.28	T.			.02		.10	.85					
Anchorage	T.									.01	.07																			
Bardstown										.03								.32				.18	.14	.13	.35	.01				
Bowling Green										.06												T.		.12	.50	.03				
Bowling Green, No. 2	.10									.10												.45		.15	1.10	.15				
Brownsville, Lock No. 6	.08									.02												1.10								
Burnsides																		.31				.61	.12	.58	.64	.02				
Carrollton (Lock No. 1)	.32									.06	T.	T.						.05				.42	.15	1.50	.22	.02				
Cold Spring, Dam 36											.02							.18				.50	.10	1.82	.52	.07				
Danville	.61	T.	T.				T.	.03		T.	.06	.03	T.									T.	.06	.05	.10	T.				
Dix Dam, Burgin	.12									.06								.14						.05	.10					
Eubank										.08								.18				.58		.08	2.34	.20				
Frankfort	.23									.05							.14				.10	.23		.85	.80	T.				
Franklin	.01							T.		T.	.07	T.			.37							.59		.30						
Gest, Lock No. 3	.22									.08								.18				T.	.08	.24	.30	T.				
Glasgow	.03										.04							.22				.74		2.25		.30				
Grant, Dam 33	.27									.03								.22						.18	.27	.02				
Greensburg	.01	T.	T.				T.	T.			.02	.01						.27				.70	1.10	2.15	.12					
High Bridge, Lock No. 7	.26										.02							.18				T.	.09	.10	.08					
Irvington	.14									.12	.02						T.	.18				.71		12.2	.10	.28				
Lancaster										.02	.04	T.						.10	T.			.12	.28	.57	.77	.02				
Leitchfield										T.	T.						T.	.17				.17		.83	.58	.04				
Lexington ***	.05									.01							.28				.26	.30		.05	.95	.03				
Little Hickman, Lock No. 8	.03	T.					T.	T.		.04	.03	T.						.04	.26			.40		.10	.50					
Lockport, Lock No. 2	.18									T.	.07	T.						.10	.05	.01		.16		.28	.70	.14				
Louisville ***										.06								.20				.26			.80	.80				
St. John	.02									.06	T.						T.		T.		.16	.16	.12	.35	.12	.12				
Salvisa, Lock No 6	.07									.15	.02							.08				.11	.16	T.						
Shelbyville	.01									T.								.25				.20		.85	1.02	.10				
Taylorsville										.05	T.											T.		.20	.74	.10	.10			
Tyrone, Lock No. 5	T.																	.20				.12		.06	.58	.17				
Williamstown										.05																				
Woodbury, Lock No. 4	.04									.01	.02											T.		.70	.18					
Eastern Division										.08								.23						.45	.10					
Annville	.38										.08							.30				.42	.08	1.23	.33					
Ashland	.05	T.	.06				T.	.08		.12	.04	T.						.19				.17	.36	2.56	1.40	.66				
Berea	.11									.15	.08							.26				.02		.20	.55	.41				
College Hill, Lock No. 11	.12										.06							.24				.40		2.25	.52	T.				
Cynthiana	T.									T.	.10							.23				.10	.40	.68	1.26					
Falmouth	.02	T.	T.				T.	T.		T.	.06	T.	T.					.01		T.	T.	.01		.30	.26					
Farmers	.11										.07							.16	T.			.01	.02	.20	.36					
Fleemingsburg	.06						.02											.27				T.		.15	.27	.77				
Ford, Lock No. 10	.12																	.25						.11		.80				
Grayson								T.		T.	.00	.02						.18	T.			.04	.18		.48	.28	T.			
Greenup, Dam 30			.04															T.												
Harlan							.05				.07	.04	T.																	
Hazard																		.25				.05		.03	.50	.01				
Heidelberg, Lock No. 14	.14																													
Jenkins	.22	.02						T.		.20	.06			.05				.18				.25		1.37	1.35	.02				
Louisa	.10									T.	.18	T.						.15	.01			.03	.48	.50	1.45	.08				
Manchester	.14									.10								.16						.74	.76	1.98	.11			
Maysville	.20							.07		.01	.07							.10				.12			.30					
Middlesboro	.02		.01				T.	T.		T.	.14							.39				.46		1.88		.15				
Mount Sterling	.36										.05	T.						.21				.06		.01	.20	.15				
Owenton	.28										.02				.10							.45			1.08					
Owenton, Dam 35	T.	T.	T.							.03	.07							T.				.24		15	.22	.26	.12			
Paintsville	.15						.02	T.		T.	.07	.02	.01					.13	T.		T.	.02		.07	.09	T.				
Pikeville	.25	T.							.02		.05		.01					.06	.26			.24		.40	1.25	.01				
Pippapass	.13									.08	.41			.13				.22	T.			.23		1.50	1.08					
Quicksand	.25									.06	.08	.03	.11					.15				.25	.07	.01	1.57	.30	.04			
Ravenna, Lock No. 12	.18	T.								T.	T.						.42					.36	1.2		.20					
Richmond	.20									.10	.08	.07						T.	T.			.10	.31	.48	1.42	.15				
Valley View, Lock No. 9	.11							T.		.05													.11	.27	.05					
Vanceburg, Dam No. 32	.05	T.	.03							.04	.14							.06				.43		1.00	.60	.63				
Whitesburg	.01						.02			.04	.04							.27						.08	.11	.02	.01			
Williamsburg	.15									.06								.10				.02		.12	1.08	.02				
Willow, Lock No. 13	.18	.03								.10														.45	1.35	1.42				
										.18	.03						.15					.45		1.15	1.75	.05				

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

(Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Daily Temperatures for February, 1934.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	47	66	55	47	51	50	52	44	26	34	34	53	49	70	63	50	65	51	47	37	54	49	42	38	32	29	27	32	..	..	..	45.9
	Minimum	27	21	23	37	26	22	25	28	8	10	23	28	26	31	42	22	21	35	19	10	26	30	16	15	− 2	− 1	− 8	− 8	..	..	..	20.0
Calhoun	Maximum	43	55	52	43	49	47	58	40	36	35	34	52	49	70	67	56	54	51	44	34	47	47	35	35	31	23	16	34	..	..	..	44.2
	Minimum	29	28	27	30	29	26	24	31	8	11	29	29	28	38	48	25	23	44	19	10	29	32	19	20	20	13	− 2	− 1	..	..	..	23.6
Earlington	Maximum	44	54	49	45	48	44	56	47	32	35	33	49	47	69	66	50	56	58	44	36	51	47	36	34	33	22	21	35	..	..	..	44.1
	Minimum	30	20	22	30	26	25	30	27	11	12	29	30	30	45	34	25	25	44	20	10	28	32	16	22	23	14	− 5	10	..	..	..	23.6
Greenville	Maximum	43	53	49	..	49	46	58	49	32	36	34	52	49	70	65	51	54	49	45	36	51	49	42	38	33	24	21	35	..	..	..	44.3
	Minimum	26	20	24	..	26	25	30	28	8	10	27	28	25	39	42	23	22	42	18	7	24	29	13	20	20	13	7	7	..	..	..	21.6
Henderson	Maximum	46	56	44	46	50	44	52	42	22	38	36	51	48	69	64	50	51	54	49	42	35	49	42	28	38	25	21	22	34	..	..	42.3
	Minimum	28	22	26	36	29	27	24	27	6	10	28	25	27	30	40	28	21	33	17	9	28	27	16	16	15	12	− 7	5	..	..	..	21.7
Hopkinsville	Maximum	47	54	52	49	51	46	54	58	41	31	32	52	50	72	66	51	56	53	41	36	51	46	38	35	35	26	21	35	..	..	..	45.5
	Minimum	29	21	24	37	28	26	23	26	12	13	27	27	27	30	42	27	25	39	19	11	26	30	17	23	24	14	1	13	..	..	..	23.7
Lovelaceville	Maximum	46	60	60	52	52	52	55	52	41	34	34	56	55	65	65	54	59	53	41	39	49	41	39	37	43	27	22	34	..	..	..	47.3
	Minimum	25	29	24	35	26	25	24	25	15	14	27	25	28	28	41	25	28	38	18	11	28	30	17	23	22	12	− 3	12	..	..	..	23.2
Marion	Maximum	40	54	50	42	49	44	50	54	35	34	32	50	50	70	70	59	57	57	46	37	50	46	38	38	38	26	23	34	..	..	..	44.2
	Minimum	17	23	26	37	26	37	27	30	10	10	27	27	29	39	41	26	24	41	18	9	29	28	16	19	19	10	− 5	7	..	..	..	22.9
Mayfield	Maximum	41	56	54	49	47	45	51	47	42	31	33	51	51	68	64	51	56	..	51	44	45	43	33	33	30	24	20	36	..	..	..	*41.4
	Minimum	28	24	26	36	27	26	27	34	6	6	27	26	29	35	43	29	27	..	19	12	12	29	19	25	23	12	3	3	..	..	..	*22.7
Mc Kenzie	Maximum	46	59	65	59	54	56	57	56	39	34	33	55	51	72	61	57	61	49	4	40	56	45	38	36	37	27	27	38	..	..	..	47.1
	Minimum	30	18	21	33	26	26	19	26	15	15	26	29	30	24	42	21	25	35	20	10	24	25	16	23	25	18	0	14	..	..	..	22.4
Murray	Maximum	46	60	60	52	52	53	55	52	41	34	34	56	55	65	65	54	59	53	41	39	49	41	39	37	43	27	22	34	..	..	..	47.3
	Minimum	25	29	24	35	26	25	24	25	15	14	27	25	28	28	41	25	28	38	18	11	28	30	17	23	22	12	− 3	12	..	..	..	23.2
Owensboro	Maximum	40	54	50	42	49	44	50	54	35	34	32	50	50	70	70	59	57	57	46	37	50	46	38	38	38	26	23	34	..	..	..	44.2
	Minimum	17	23	26	37	26	37	27	30	10	10	27	27	29	39	41	26	24	41	18	9	29	28	16	19	19	10	− 5	7	..	..	..	22.9
Princeton	Maximum	41	56	54	49	47	45	51	47	42	31	33	51	51	68	64	51	56	..	51	44	45	43	33	33	30	24	20	36	..	..	..	*41.4
	Minimum	28	24	26	36	27	26	27	34	6	6	27	26	29	35	43	29	27	..	19	12	12	29	19	25	23	12	3	3	..	..	..	*22.7
Russellville	Maximum	46	59	65	59	54	56	57	56	39	34	33	55	51	72	61	57	61	49	4	40	56	45	38	36	37	27	27	38	..	..	..	47.1
	Minimum	30	18	21	33	26	26	19	26	15	15	26	29	30	24	42	21	25	35	20	10	24	25	16	23	25	18	0	14	..	..	..	22.4
Central Division.																																	
Auburn	Maximum	42	45	46	48	45	49	46	35	17	35	38	46	39	64	55	45	..	56	44	..	46	40	31	25	22	22	23	35	..	..	..	*39.9
	Minimum	25	15	31	37	26	18	22	17	− 1	9	29	22	21	29	34	22	28	28	12	5	20	27	15	27	23	22	25	28	..	..	..	17.6
Bowling Green	Maximum	39	46	49	46	48	44	53	40	24	36	39	46	45	67	59	45	50	55	46	40	47	37	27	27	23	22	25	38	..	..	..	42.7
	Minimum	29	18	22	28	25	22	22	22	− 1	8	29	28	24	30	46	23	18	32	18	7	23	31	12	13	20	13	− 10	3	..	..	..	19.7
Franklin	Maximum	43	54	44	50	50	46	53	50	43	36	34	52	48	69	66	50	56	58	47	43	52	49	43	38	38	29	24	37	..	..	..	45.9
	Minimum	29	18	22	28	25	22	22	22	− 1	8	29	28	24	30	46	23	18	32	18	7	23	31	12	13	20	13	− 10	3	..	..	..	19.7
Gamaliel	Maximum	43	54	44	50	50	46	53	50	43	36	34	52	48	69	66	50	56	58	47	43	52	49	43	38	38	29	24	37	..	..	..	45.9
	Minimum	29	18	22	28	25	22	22	22	− 1	8	29	28	24	30	46	23	18	32	18	7	23	31	12	13	20	13	− 10	3	..	..	..	19.7
Gowling Green	Maximum	43	54	44	50	50	46	53	50	43	36	34	52	48	69	66	50	56	58	47	43	52	49	43	38	38	29	24	37	..	..	..	45.9
	Minimum	29	18	22	28	25	22	22	22	− 1	8	29	28	24	30	46	23	18	32	18	7	23	31	12	13	20	13	− 10	3	..	..	..	19.7
Hartsville	Maximum	41	54	46	46	46	38	47	37	24	41	34	42	45	67	58	48	50	53	47	32	51	44	32	27	31	11	19	10 −	6 −	2	..	39.5
	Minimum	28	20	28	33	25	22	26	23	6	15	28	27	21	24	42	23	14	27	16	6	21	27	14	11	19	10 −	6 −	2	..	..	..	12.5
Lebanon	Maximum	41	45	47	48	46	42	43	43	23	41	36	44	42	65	60	51	51	53	41	35	51	50	42	37	31	24	23	34	..	..	..	42.6
	Minimum	28	20	28	33	25	22	26	23	6	15	28	27	21	24	42	23	14	27	16	6	21	27	14	11	19	10 −	6 −	2	..	..	..	12.5
Mc Lean	Maximum	41	45	47	48	46	42	43	43	23	41	36	44	42	65	60	51	51	53	41	35	51	50	42	37	31	24	23	34	..	..	..	42.6
	Minimum	28	20	28	33	25	22	26	23	6	15	28	27	21	24	42	23	14	27	16	6	21	27	14	11	19	10 −	6 −	2	..	..	..	12.5
Dix Dam	Maximum	30	22	23	36	27	23	33	24	2	9	29	30	26	48	48	25	17	45	20	9	25	33	20	13	24	14	− 5	6	..	..	..	22.6
	Minimum	30	22	23	36	27	23	33	24	2	9	29	30	26	48	48	25	17	45	20	9	25	33	20	13	24	14	− 5	6	..	..	..	22.6
Eubank	Maximum	30	48	34	46	36	38	37	37	26	25	25	35	45	43	47	57	53	57	52	43	43	43	44	28	30	30	25	32	..	..	..	38.0
	Minimum	30	18	24	26	26	26	28	27	6	6	27	26	29	35	43	29	27	..	19	12	12	29	19	25	23	12	3	3	..	..	..	19.0
Frankfort	Maximum	39	48	34	46	36	38	37	37	26	25	25	35	45	43	47	57	53	57	52	43	43	43	44	28	30	30	25	32	..	..	..	38.0
	Minimum	30	18	24	26	26	26	28	27	6	6	27	26	29	35	43	29	27	..	19	12	12	29	19	25	23	12	3	3	..	..	..	19.0
Frankfort	Maximum	39	48	34	46	36	38	37	37	26	25	25	35	45	43	47	57	53	57	52	43	43	43	44	28	30	30	25	32	..	..	..	38.0
	Minimum	30	18	24	26	26	26	28	27	6	6	27	26	29	35	43	29	27	..	19	12	12	29	19	25	23	12	3	3	..	..	..	19.0
Franklin	Maximum	42	52	49	49	50	44	51	45	27	37	35	47	49	69	66	52	55	51	49	37	58	48	38	38	35	39	36	25	40	..	..	45.0
	Minimum	16	14	20	31	34	20	20	25	19	4	11	26	24	25	41	26	19	28	19	9	25	31	10	11	20	14	− 2	2	− 7	..	..	20.0
Glasgow	Maximum	42	52	49	49	50	44	51	45	27	37	35	47	49	69	66	52	55	51	49	37	58	48	38	38	35	39	36	25	40	..	..	45.0
	Minimum	16	14	20	31	34	20	20	25	19	4	11	26	24	25	41	26	19	28	19	9	25	31	10	11	20	14	− 2	2	− 7	..	..	20.0
Greensburg	Maximum	42	52	49	49	50	44	51	45	27	37	35	47	49	69	66	52	55	51	49	37	58	48	38	38	35	39	36	25	40	..	..	45.0
	Minimum	28	16	24	32	24	21	20	25	4	10	25	28	26	29	46	24	17	27	21	10	26	31	14	15	22	9	− 7	3	..	..	..	17.6
Irvington	Maximum	41	49	46	45	47	41	48	41	23	38	34	47	43	64	55	49	52	51	44	35	50	46	34	33	33	28	27	34	..	..	..	42.7
	Minimum	26	25	25	37	29	25	25	25	2	10	29	28	27	32	45	25	22	41	19	12	29	28	17	18	20	13	− 6	7	..	..	..	22.8
Louisville	Maximum	41	49	46	45	47	41	48	41	23	38	34	47	43	64	55	49	52	51	44	35	50	46	34	33	33	28	27	34	..	..	..	42.7
	Minimum	26	25	25	37	29	25	25	25	2	10	29	28	27	32	45	25	22	41	19	12	29	28	17	18	20	13	− 6	7	..	..	..	22.8
St. John	Maximum	43	47	55	51	50	45	51	46	28	36	34	40	50	66	65	62	57	53	50	50	58	49	45	39	39	26	25	35	..	..	..	44.8
	Minimum	27	27	30	25	20	22	22	25	0	3	27	25	21	31	39	31	27	25	23	17	24	25	21	21	21	21	13	6	..	..	..	19.8
Scottsville	Maximum	38	41	45	43	42	40	41	39	22	38	35	41	40	60	56	45	49	53	47	34	47	43	32	27	25	24	22	33	..	..	..	39.6
	Minimum	28	20	19	33	20	23	24	20	− 2	5	29	25	24	28	41	26	17	32	15	8	23	29	14	11	18	12	− 10	1	..	..	..	19.1
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Williamstown	Maximum	38	46	45	46	42	42	41	35	22	42	37	49	37	66	55	46	49	55	48	34	48	46	32	27	24	22	20	35	..	..	..	39.9
	Minimum	28	21	14	35	21	25	25	17	− 5	5	28	27	23	23	40	23	12	28	15	5	23	26	12	6	17	10	− 9	2	..	..	..	17.8
Eastern Division.																																	
Ashland	Maximum	41	30	37	44	41	35	30	37	22	35	34	38	37	66	55	49	43	55	51	30	49	48	36	27	36	23	23	29	..	..	..	38.4
	Minimum	32	25	13	28	25	26	22	20	− 4	4	21	30	27	26	36	23	14	25	20	5	19	33	21	11	19	15	− 8	− 2	..	..	..	18.8
Beattyville	Maximum	46	48	47	46	47	40	47	39	25	42	42	46	40	68	62	52	53	63	42	36	50	45	32	26	43	27	19	35	..	..	..	41.5
	Minimum	29	19	21	34	23	17	23	25	2	7	30	28	28	27	41	24	17	36	19	8	28	30	18	11	21	11	− 5	6	..	..	..	19.0
Berea	Maximum	42	36	45	42	44	40	45	42	24	41	35	39	38	62	61	52	52	59	56	36	53	52	36	33	31	23	21	33	..	..	..	42.0
	Minimum	29	19	21	34	23	17	23	25	2	7	30	28	28	27	41	24	17	36	19	8	28	30	18	11	21	11	− 5	6	..	..	..	19.0
Farmers	Maximum	42	36	45	42	44	40	45	42	24	41	35	39	38	62	61	52	52	59	56	36	53	52	36	33	31	23	21	33	..	..	..	42.0
	Minimum	29	19	21	34	23	17	23	25	2	7	30	28	28	27	41	24	17	36	19	8	28	30	18	11	21	11	− 5	6	..	..	..	19.0
Flemingsburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grayson	Maximum	42	46	47	45	48	42	48	44	28	45	41	45	42	66	62	52	52	56	52	36	52	48	37	37	33	24	24	32	..	..	..	44.0
	Minimum	21	19	22	27	20	17	20	27	2	5	32	31	28	23	38	23	18	20	22	8	17	32	19	12	22	14	− 5	5	..	..	..	16.9
Hazel Green	Maximum	44	37	45	44	41	40	39	34	23	38	34	39	41	56	52	46	45	57	52	33	48	41	35	26	38	23	12	30	− 4	..	..	40.0
	Maximum	30	21	14	28	18	22	19	16	4	6	23	29	27	28	30	26	10	21	17	3	18	31	15	6	18	12	10	− 4	..	..	..	*33.3
Maysville	Maximum	35	42	45	46	48	47	49	46	36	46	47	49	50	68	64	51	53	48	48	34	47	47	38	36	..	26	29	34	..	..	..	44.7
	Minimum	27	15	26	29	24	19	19	28	16	15	29	26	27	35	42	22	15	22	18	7	17	31	20	15	..	14	17	25	..	..	..	20.7
Mt. Sterling	Maximum	38	41	42	41	42	41	45	41	31	41	36	42	38	57	58	47	48	56	47	29	48	39	28	24	24	17	16	− 18	− 2	..	..	*33.7
	Minimum	28	16	16	30	22	18	19	19	− 3	3	25	27	24	22	36	26	14	28	16	8	20	29	14	11	26	27	8	17	25	..	..	*19.5
Paris	Maximum	42	38	50	53	55	44	50	44	29	43	41	42	40	65	63	47	53	..	55	35	58	52	36	33	31	24	25	36	..	..	..	*40.6
	Minimum	32	24	23	30	26	21	26	26	8	4	24	31	28	29	40	27	15	..	21	7	15	29	20	13	24	15	6	2	..	..	..	*16.6
Carlisle	Maximum	43	46	49	48	49	46	48	45	37	46	45	46	45	66	..	52	54	55	52	36	56	46	36	32	36	27	26	37	..	..	..	46.5
	Minimum	30	18	24	25	22	16	18	19	0	4	26	28	25	31	44	24	14	34	21	10	20	30	20	14	24	20	14	22	..	..	..	21.9
Harrison	Maximum	42	38	44	46	47	47	47	46	37	46	45	46	45	66	63	55	54	55	52	36	56	46	36	32	36	27	26	37	..	..	..	46.5
	Minimum	30	18	24	25	22	16	18	19	0	4	26	28	25	31	44	24	14	34	21	10	20	30	20	14	24	20	14	22	..	..	..	21.9
Mt. Carmel	Maximum	42	38	44	46	47	47	47	46	37	46	45	46	45	66	63	55	54	55	52	36	56	46	36	32	36	27	26	37	..	..	..	46.5
	Minimum	30	18	24	25	22	16	18	19	0	4	26	28	25	31	44	24	14	34	21	10	20	30	20	14	24	20	14	22	..	..	..	21.9
Vanceburg	Maximum	42	38	44	46	47	47	47	46	37	46	45	46	45	66	63	55	54	55	52	36	56	46	36	32	36	27	26	37	..	..	..	46.5
	Minimum	30	18	24	25	22	16	18	19	0	4	26	28	25	31	44	24	14	34	21	10	20	30	20	14	24	20	14	22	..	..	..	21.9

* Degrees are read to the nearest; the exact time of temperature then read is charged to the preceding day, on which it almost always occurs

JUN 21 1934

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

KENTUCKY SECTION.

J. L. KENDALL.

VOL. XXXIX LOUISVILLE, KY., MARCH, 1934 No. 3

GENERAL SUMMARY.

Temperatures were variable but cold weather predominated, with rain, sleet, or snow at frequent intervals, and conditions generally too disagreeable and inclement for much progress in farm work. Several warm days in the first week melted the snow that lay on the ground and relieved the water shortage. The increase in soil moisture at this time stopped plowing. Except for a short period near the middle of the month, the ground continued too wet in most districts for further progress. However, so much had been accomplished earlier in plowing all types of soil that the unfavorable weather of this month caused no serious delay. One-half to three-fourths of the corn land had been broken by the end of the month, and on some farms in the southern limestone district the work had been completed.

Except for plowing the ground not much could be done toward preparation for early gardens, potato planting, and oats sowing. Other early spring seeding could not be completed. Sowing tobacco plant-beds continued during the short intervals of favorable weather until finished. In the last few days warmth became sufficient to cause the seed to germinate. Freezing temperatures on most nights held back vegetation. Pastures and grain fields retained the aspect of mid-winter until somewhat revived by the increasing warmth of the last week. With the beginning of growth, wheat showed evidence of injury by the severe winter freezes. Fields that had made strong growth in the fall appeared to be in good condition. In other fields with less vigorous growth the stand appeared thin on the ground, indicating that a considerable proportion of the weaker plants had been frozen out. Rye for pasture remained undersized, and barley also appeared more backward than usual.

Practically normal moisture in the atmosphere favored handling tobacco, but hauling to market was affected by the rapid deterioration of dirt roads. It became evident that peaches and some other fruits had been injured by the severe cold earlier in the winter.

TEMPERATURE.

Short periods of warm weather alternated with somewhat longer spells of abnormal cold, with the transition quite abrupt from one type to the other. Periods of decided cold centered about the 10-11th, 19th, 23d-24th, and 27-28th. The extremes were 80° on the 17th at Bowling Green and 5° at Farmers on the 11th. Most stations reported temperatures of 6° to 12° on the 19th or 11th.

PRECIPITATION.

Precipitation for the State averaged slightly above normal. It was far in excess of the seasonal average in the southeastern counties, where amounts recorded at the various stations ranged from 6.0 to 12.0 inches. A limited area in the extreme western part of the State received 6.0 inches. Decreasing northward toward the Ohio River amounts fell off to 3.0 inches or less in the extreme northern counties. For the State the range was between .98 inches at Anchorage and 11.23 inches at Harlan. Except for the 12th and three days at the end of the month, measurable precipitation was reported on every day. Heavy rains occurred in the central and eastern counties on the 3d, 4th and 8th, and less in most other sections on the 18th, 23d, and 26th. Snow-fall of consequence was limited to the northern half of the State, with the largest accumulation in the northern Ohio River section. It occurred mostly in the period 7-11th and on the 18th. Days with thunderstorms were: 5, 7, 19, 23, 25, 26.

MISCELLANEOUS.

Floods.—Moderate to heavy rains and melting snow, especially on the 3d, caused high stages in all streams of the State in the period 3-5th, the flood exceeded only in the upper Cumberland at Barbourville. The rise caused the worst floods at some stations in the Evansville district from the 12th to 16th, but crested a few feet below flood heights in other sections of the river.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea-level): Mean.	Highest: Mean.	Highest: Date.	Lowest: Mean.	Lowest: Date.	Wind: Mean velocity (miles per hour).	Wind: Maximum velocity.	Wind: Direction.	Relative humidity: Date.	Relative humidity: 7a. m.	Relative humidity: 1p. m.	Relative humidity: Percentage of sunshine.
Cairo ..... Ill.	30.14	30.61	14	29.65	4	11.2	31	n.	9	78	57	55	62
Cincinnati ..... Ohio	29.13	30.54	28	28.61	4	9.4	36	sw.	5	81	58	60	55
Evansville ..... Ind.	29.16	30.58	28	28.67	4	10.1	32	sw.	17	76	66	56	48
Louisville ..... Ky.	29.17	30.57	1	29.07	4	12.1	37	s.	5	82	62	59	45

COMPARATIVE DATA FOR MARCH.

Year.	Temperature: Mean.	Temperature: Departure.	Temperature: Highest.	Temperature: Lowest.	Precipitation: Average.	Precipitation: Departure.	Precipitation: Greatest monthly.	Precipitation: Least monthly.	Precipitation: Average snowfall.	Number of days: Precipitation .01 inch or more	Number of days: Clear.	Number of days: Partly cloudy.	Number of days: Cloudy.
1889....	40.5	− 5.6	84	18	1.52	−3.11	4.30	0.21	...	...	...	...	...
1890....	41.2	− 4.9	78	4	8.34	+3.71	17.58	4.47	...	...	...	...	...
1891....	41.8	− 4.3	71	9	8.08	+3.45	6.75	5.33	...	...	...	...	...
1892....	40.6	− 5.5	82	7	4.08	−0.55	5.75	2.47	...	...	...	...	...
1893....	45.0	− 1.1	89	6	2.50	−1.87	5.58	1.01	...	...	...	...	...
1894....	50.8	+ 4.7	86	10	2.72	−1.97	5.36	1.18	...	...	...	...	...
1895....	45.0	− 1.1	88	15	3.17	−1.46	5.81	1.16	...	9	13	7	10
1896....	44.1	− 2.0	85	8	6.16	+1.53	9.60	3.32	...	12	9	5	13
1897....	49.6	+ 3.5	86	20	7.94	+3.31	12.87	4.14	6.2	13	8	9	14
1898....	50.7	+ 4.6	84	16	7.50	+2.90	10.53	2.55	1.4	13	8	8	14
1899....	45.9	− 2.2	80	− 3	8.48	+3.87	12.80	5.36	2.4	15	8	10	13
1900....	42.8	− 3.3	81	− 3	2.58	−2.05	5.11	1.11	3.2	9	11	5	15
1901....	46.1	+ 0.3	87	2	3.56	−1.15	5.98	1.52	0.8	10	9	7	15
1902....	47.2	+ 1.2	82	7	4.41	+0.10	9.16	1.26	6.1	11	9	7	15
1903....	52.5	+ 6.4	86	19	4.03	+0.50	6.83	2.76	T	15	6	7	15
1904....	47.7	+ 1.6	88	12	6.26	+1.63	8.96	3.78	0.5	12	8	7	16
1905....	52.2	+ 6.1	86	29	4.15	−0.15	6.86	1.55	T	12	8	7	16
1906....	53.2	+ 6.9	93	33	6.37	+1.74	9.16	2.82	2.0	16	6	5	20
1907....	54.9	+ 8.8	92	18	2.26	−2.35	7.11	2.50	0.8	10	12	6	13
1908....	51.8	+ 5.7	88	19	3.52	−0.79	8.56	2.86	6.7	13	10	7	14
1909....	44.8	− 1.3	74	17	5.14	+0.51	8.33	3.27	T	11	11	7	13
1910....	55.0	+ 8.9	91	11	0.78	−3.84	3.85	T	0.3	5	18	7	6
1911....	46.0	− 0.1	87	7	2.57	−2.06	6.60	0.24	0.6	9	14	5	12
1912....	41.3	− 4.8	88	10	6.55	+1.88	8.89	4.36	6.6	15	9	5	17
1913....	46.5	+ 0.4	85	9	7.82	+2.88	9.70	3.82	0.5	10	12	7	12
1914....	41.8	− 4.3	78	2	2.72	−1.01	6.58	2.14	5.4	12	10	6	15
1915....	37.8	− 8.3	65	11	2.11	−2.52	3.70	1.17	3.8	9	13	5	13
1916....	42.5	− 2.6	84	4	3.30	−1.24	5.50	1.80	3.7	10	12	6	14
1917....	45.9	− 0.2	84	0	6.52	+1.89	13.39	2.03	8.1	14	13	6	12
1918....	51.6	+ 5.5	87	17	1.95	−2.67	4.23	0.28	T	8	15	7	9
1919....	47.6	+ 1.5	81	16	5.62	+0.92	9.61	2.48	0.2	15	6	6	19
1920....	46.3	+ 0.2	88	1	4.87	+0.22	7.40	3.15	6.6	16	5	6	19
1921....	56.7	+10.6	87	19	5.75	+1.12	8.79	2.59	T	11	10	6	15
1922....	49.4	+ 3.3	83	19	3.11	−3.48	12.68	5.84	6.5	14	9	6	16
1923....	45.6	− 0.5	80	8	3.25	−0.61	8.62	2.70	T	6	15	7	9
1924....	41.5	− 4.6	81	14	2.87	−1.78	5.84	1.82	1.8	9	8	7	16
1925....	49.2	+ 3.1	84	4	3.99	1.61	6.19	1.90	0.4	9	16	5	10
1926....	40.2	− 5.9	84	4	2.80	−1.83	4.95	1.80	2.8	11	10	6	15
1927....	38.4	− 7.7	85	10	6.64	+1.43	12.71	2.30	3.8	11	12	7	12
1928....	45.6	− 0.5	85	12	2.65	−1.99	5.40	0.85	2.7	8	13	5	13
1929....	50.1	+ 5.9	91	9	4.47	0.46	10.92	1.94	1.2	16	8	8	15
1930....	41.5	− 1.6	76	5	2.37	−2.46	4.95	0.97	1.2	7	15	5	11
1931....	41.4	− 4.6	75	24	3.84	0.57	5.79	2.31	1.7	17	7	7	17
1932....	41.7	− 3.5	82	4	4.95	+0.22	8.61	2.43	1.5	1	12	7	12
1933....	46.0	− 0.1	78	10	5.82	1.06	10.05	2.77	T	11	7	12	12
1934....	42.8	− 2.5	80	5	4.85	+0.29	11.23	1.38	2.1	13	10	7	14
Record	46.1		93	3	4.56		17.58	T	1.8	31	12	7	14

Climatological Data for March, 1934.

Stations	Counties	Elevation, feet	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	30																	Mrs. Lena F. Taylor.
Calhoun	McLean	437	30	45.2	− 4.0	76*	17	15*	10	37*	4.54	−0.28	1.48	1.7	12	9	13	9	ne.	W. A. Taylor.
Carlington	Hopkins	420	44	45.6	− 2.1	76	17	15	10	43	4.90	−0.09	1.66		9	14	4	13	n.	Brick Southworth.
Ford's Ferry, Dam 50	Crittenden	359	6								4.15		1.52	2.3	13					Lockmaster.
Greenville	Muhlenberg	519	17	45.0	− 3.2	75*	17	12*	11	36*	5.07	+0.12	1.42	0	10	16	12	3	s.	C. R. Lovell.
Henderson	Henderson	382	20	44.3		75	17	16	11†	42	3.17	−1.92	1.27		8	7	15	9	nw.	Richard Stites
Hopkinsville	Christian	524	38	45.4	− 3.9	77	17	15	10	44	4.17	−0.86	0.95	T.	11	10	4	17	n.	W. E. Graves.
Lovelaceville	Ballard		5	45.2		76	17	12	10	41	6.10		3.05	1.5	11	14	8	9	s.	Blaine Malone.
Marion	Crittenden	571	35																	B. C. Paris.
Mayfield	Graves	364	25	43.9	− 3.0	67*	17	14§	10†	33§	5.04	+0.08	2.00		6	17	5	9	ne.	Mrs. C. R. Sowell.
Murray	Calloway	412	8	45.2		77	17	15	10	44	4.27		1.03	T.	8	13	9	9	s.	Harry B. Arnold
Owensboro	Daviess	479	37	41.4	− 5.7	71	30	12	10	42	3.70	−0.88	1.49	1.5	8	14	8	9	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	6								3.31		1.27	1.9	11					Lockmaster.
Owensboro, Dam 46	McCracken	516	17								6.15	+1.76	3.04		7					C. J. Rhodes.
Paducah	McCracken	341	45								5.34	+0.02	2.61		14	11	9	11		J. W. Lilley
Paducah (near)	McCracken	529	27	45.0	− 3.5	75	17†	14	10	43	4.39	−0.76	1.54	3.0	13	13	7	11	n.	Dr. W. L. Cash.
Princeton	Caldwell	384	17								3.75	−0.87	1.25	0.6	11					Lockmaster.
Ramsey, Lock 2	McLean	520	23	42.4	− 6.4	75*	17	13§	11	40§	2.09	−2.90	0.53		9	14	4	13	s.	Wm. Shelton.
Russellville	Logan	357	6								2.56		1.00	2.8	9					Lockmaster.
Slaughtons, Dam 49	Union																			
Central Division.																				Lockmaster.
Addison, Dam 45	Breckinridge	352	6								3.65		1.20		16					
Anchorage	Jefferson	700	33	41.4	− 3.6	76*	17	7	11	45*	1.98	−2.15	0.92	4.0	4	19	5	7	sw.	C. E. Barret.
Backusburg	Nelson	665	37	43.6	− 3.8	78	30	9	11	44	3.39	−1.38	0.98		9	13	11	7	s.	Mrs. Emily T. Sisco.
Bardstown	Nelson	590	45	47.0	− 1.5	80	17	15	11	41	4.66	−0.66	1.00	T.	12	15	6	10	w.	Mrs. Lillie G. Causey.
Bowling Green	Warren										4.61		1.29	T.	14					Lockmaster.
Bowling Green, No. 2	Warren	469	9								4.71	−1.61	1.03	0.7	13					Lockmaster.
Brownsville, Lock 6	Edmonson	420	17								5.77	+3.52	1.86	T.	15					T. A. Lewis
Burnside	Pulaski	753	43								2.62	−0.96	0.56	0.5	9					Lockmaster.
Carrollton, Lock 1	Carroll	480	35								2.75		0.56	3.0	14					Lockmaster.
Cold Spring, Dam 36	Campbell	480	8								5.62		1.29		15	8	10	13	s.	Ralph C. Wyatt.
Danville	Boyle	540	1	42.0		76	17	9*	11	43*	4.19		1.00		10	11	8	12	s.	C. W. Williams.
Dix Dam, Burgin	Mercer	770	6	41.9		75	17	11	11	42	4.83	−1.85	1.64	T.	12	6	7	18	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	40	42.8	− 3.5	65	3	11	11	32	6.83	−0.68	0.99	3.2	12	11	8	12	w.	Lockmaster.
Frankfort	Franklin	560	42	43.2	− 3.4	77	17	13	11	45	3.92	−0.68	0.99	0	16	14	8	9	s.	Marcus Gatewood.
Franklin	Simpson	691	39	46.8	− 2.8	78	17	15	11	42	5.52	+0.44	0.99	6.4	12					Lockmaster.
Gest, Lock 3	Henry	490	23								3.18	0.98	0.65	0	12					P. L. Beatty.
Glasgow	Barren	780	8	43.6		76	17	13	11	36	5.23		1.10	0	11	16	4	11	e.	Lockmaster.
Grant, Dam 38	Boone	780	9								3.30		0.52		11					Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	41	44.5	− 2.1	77	17	11	11	42	5.86	+0.69	1.11	1.0	16	5	2	24	n.	Lockmaster.
Hardyville	Hart	544	32								4.11	−0.50	1.03		15					W. J. Piggott
High Bridge, Lock 7	Jessamine	646	35	44.6	− 3.2	76	17	13	11	37	3.26	−1.36	1.48		8	13	6	12	sw.	Walter Killion.
Irvington	Breckinridge	1024	3								4.35		1.10		14					H. R. Willis.
Lancaster	Garrard	638	38	41.8	− 2.6	76	17	14	11	40	3.98	−0.70	1.20	1.0	12	10	12	9	sw.	U. S. Weather Bureau.
Leitchfield	Grayson	635	50	40.6	− 3.1	76	17	11	11	39	3.86	−0.46	0.89	4.5	16	12	6	13	ne.	Lockmaster.
Lexington	Fayette	985	50								4.76	+0.38	1.40	0.5	12					Lockmaster.
Little Dickenson, Lock 8	Jessamine	560	23								4.90	+0.82	0.67	9.5	15					U. S. Weather Bureau.
Lockport, Lock 2	Henry	485	24								3.69	−0.79	1.81	4.5	12	11	10	10	s.	Sisters of Loretto.
Louisville	Jefferson	525	61	42.4	− 3.0	75	17	16	11	35	3.81	−1.18	1.49	0.7	11	19	6	6		Lockmaster.
Louisville	Hardin	777	38	42.6	− 2.9	73	17	12	11	38	4.72	+1.24	0.75	0.2	9					Miss Ruth Ratta, Elizabeth J. Bourne.
Salvisa, Lock 6	Mercer	520	20								3.78	−1.11	0.18	3.6	10	16	3	12	sw.	
Shelbyville	Shelby	825	45	42.0	− 2.9	74	17	11	11	40										Lockmaster.
Taylorsville	Spencer	483	32								4.56	+1.27	1.28	3.0	11					Miss Nettie B. Simpson.
Tyrone, Lock 5	Anderson	524	16								2.79	−1.59	0.47		11	16	5	10	w.	
Williamstown	Grant	942	31	42.2	2.6	78	30	7	11	47	4.65	−0.79	1.10	1.1	13					Lockmaster.
Woodbury, Lock 4	Butler	504	17																	
Eastern Division.																				W. A. Worthington.
Annville	Jackson										6.55		1.21	T.	15	8	9	14	ne.	Lockmaster.
Ashland	Boyd	534	15	42.6	5.0	74	21†	9	11	43	4.11	+0.12	0.77	9.0	17	9	0	22	w.	Chas. C. Graham.
Berea	Madison	1050	29	43.4	− 3.7	75	17	17	11†	33	5.01	+0.28	1.12	1.0	17	13	6	12	ne.	Lockmaster.
College Hill, Lock 11	Madison	611	24								3.84	−0.67	0.65	0.6	17					P. H. Kehoe.
Cynthiana	Harrison	684	16								3.21	−1.09	1.00	5.5	8					J. V. Oldham.
Falmouth	Pendleton	690	45								2.80	−1.24	0.47	4.0	13					Mrs. R. F. Stamper.
Farmers	Rowan	668	26	41.8	− 3.5	75	17†	5	11	50	4.70	+0.24	1.01		12	7	10	14	e.	C. A. Glascock
Flemingsburg	Fleming	841	9								4.38		0.86		13					Lockmaster.
Ford, Lock 10	Clark	637	18								4.50	+0.93	1.13		14					Cpl. Frank Powers.
Grayson	Carter	886	9																	Lockmaster.
Greenup, Dam 30	Greenup	540	14								3.20	−0.46	0.92		16					W. W. Duffield.
Hanson	Hardin	1197	6	47.2		72	21	11	11	37	11.28		2.41	1.0	13	13	2	16	n.	Chas. O. Burig.
Hazard	Perry	869	10								8.63		1.57	0.5	18					Lockmaster.
Hopper	Lee	663	17	44.2		75	17	11	11	45	5.78	+1.53	1.10	T.	18	6	6	19	w.	R. R. Davidson.
Jenkins	Letcher	1566	10								8.21		1.16		17					Lockmaster.
Lancaster	Garrard	984	30																	Jeanett H. White.
Lawrenceburg	Anderson		14								8.67	−3.57	1.20		13					Lockmaster.
Manchester	Clay	924	37	41.6	− 3.0	77	17	8	11	46	3.48	−1.00	1.18		12	9	4	18	sw.	Matthew Woodson
Maysville	Mason	1128	38	44.4	− 4.1	72	27	10	11	39	8.09	+3.11	1.75	T.	11	14	13	4		W. R. McKee.
Millersburg	Bell	1128	38	44.4	− 4.1	72	27	10	11	39	4.91	−0.27	1.35	1.6	11	16	4	11	nw	Lockmaster.
Mount Sterling	Montgomery	950	14	39.8	− 4.2	77	17	6	11	41	2.35	−1.25	0.57	4.5	14					Manuel Robinson.
Oneonta, Dam 35	Campbell	497	7								5.40		0.92		17					Robert Repass
Owensville	Boyd	567									8.84	+3.99	1.58	T.	14					F. W. Summerfield.
Pikeville	Pike	636	28								3.45		0.88	2.0	12	15	3	13		R. W. Jones.
Pineville	Knott	1035		44.8		75†	30	6*	11	47†	8.27		1.70	0.5	12					Lockmaster.
Quicksand	Breathitt	732	8	42.6		74*	17†	8*	11	48	4.76	+1.12	0.82		17					J. W. Crooke.
Ravenna, Lock 12	Estill	631	16								5.40	+0.58	1.10	0.3	13	11	1	19		Lockmaster.
Richmond	Madison	926	43	42.0	− 4.0	75	18†	11	11	39	6.10	+2.28	1.45	3.0	15					Lockmaster.
Riverside	Madison	571	21								3.54	−1.09	1.05		13					C. H. Zimmerman.
Vanceburg, Dam 32	Lewis	525	19								7.09		1.40		13					H. F. Davis.
Whitesburg	Letcher	1142	9								8.88	+3.91	2.40		13	12	8	11		Lockmaster.
Williamsburg	Whitley	940	37	43.8	− 3.8	68	31	13	11	34	6.63	+2.17	1.55	2.0	18					
Wayne, Lock 13	Lee	646	15								4.83	+0.20	3.05	2.1	13	12	7	12		
State averages and extremes				43.6	− 2.6	80	17	6	11	50										

All temperature data are taken from self-registering thermometers.
Ten departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. † Received too late to be included in means and summaries.
‡ Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
§ Lone Oak. ¶ Precipitation is less than 0.01 inch rain or melted snow.
‖ Hopkinsville, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky.
Oneonta, California, Ky.

Daily Precipitation for March, 1934.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam																																
Calhoun		.41	.21	.01		T	.14	.29		.02			.06					1.09					.05		T	1.48	.22					4.11
Farmington		.06	.26		T.	T	.03	.42	T									.76														4.11
Fords Ferry Dam 50		.18	.20	.15	.01	.01	T.	.10	F	T					.01			.18	.20													4.16
Greenville		.58		.03		T	.15	.58		.02								.54					1.00		T	1.42						6.32
Henderson		.12	.24				.18	.29		.02								.94					.25			1.35						4.11
Hopkinsville	T.	.07	.19			.01	.17	.87										.27	.12				.44	.24	T	.58	.27					4.17
Lowesville		.02		.15			.08	.38		.06								1.18				.30	.16			3.60	.28					6.11
Marion																																
Mayfield		.43						1.09										1.66					.02			.17						5.34
Murray	T	.53	.08	T.	T.	T.	.48	.70		T	T.			T.				T.	T				.58	.46	T	1.48	.47					6.27
Owensboro		.86	.22	T.			.05	.04						T.				.77					.40			1.15	.25					4.54
Owensboro, Dam 46		.31	.18	.15	T.		T.	.11	T.	.03				T.		.01		.26	.25				.12	T.		1.23		T				4.33
Paducah		.43					.56	.20										1.04						.06	.26	.03						6.13
Paducah (near)		.06	.02		.05			.40		.04		T.		.01				1.08	.24				.10	.67	.02	.50						6.34
Princeton	T.	.02	.15			.02	.18	.57	.02					.05				.80				.05		.04	.09	1.04	T					4.23
Rhoda, Lock No. 2			.02	.01				.50	.02	T.				.03				.54	.10				.40	.03		1.40	.35					4.70
Russellville		.53			.04													.07	.25				.18	.05	.10	.38	.20					4.60
Unknown, Dam 49			.10	.01	.02		.18	T.	T.									.76	.06				.01			1.04		T.				4.25
Central Division																																
Addison, Dam 45		.27	.76	.08	.02	T	T	.28	.02	01	.03			.01		.02		.20	.40				.24			1.29	.40	.01				6.61
Auburntown						T.	.34											.54					.15			.52	T					2.06
Bardstown		.10	.33	.60	.03			.50		.05								.28					.80									1.98
Bowling Green		.70	.22		T.		.22	1.04		.01				.02				.15	.95				.80	.10	.20		.50					3.54
Bowling Green, No. 2		.37	.14	.13		.05		1.20		.02	T.			.05				.24	.10				.84	.04	.04	.47	.20					4.06
Brownsville, Lock No. 6		.38	.42	.05		.06		1.02		.03	T.			.05				.23					1.05	.45	.12	.78	.52					4.86
Burnside	T.	.55	1.03	.13	.10	T		1.40	.10	T				.14				T.	.24	1.10			1.8	.38	.45	1.8	.34	.12				4.71
Carrollton			.24	.24			.23	.15		.03								.06					.31			.57	.28					8.26
Cecil Spring, Dam 36		.23	.1	.15	.01		.14	.20	T	.03				.30				.33	.02				.08			.60	.38	.02				2.24
Danville		.86	.2	1.23	.04		.24	.58		.01				.07		T.		.20	.29				1.13	.21	.01	.61	.28					2.75
Dix Dam, Burgin	.25	.35	1.30			.06	.65							T.				.21				.75	.05		.75	.12					8.13
Eubank	.08	.51	1.64	.14					.80						.55				.45	.75			1.16		.45	.30	.50					8.14
Frankfort		.15	.37	.34		T.	.87	.75	T.	.05	T.			.04				.02	.34				.45			.99	.07	T				6.83
Franklin		.88	.18	.28	.02	.03	.07	.99		.02				.03				.59	.65				.54	.30	.01	.41	.18					2.92
Gest, Lock No. 3		.13	.10	.28			.09	.34		.03				.16				.17	.20				.51			.63	.21					5.82
Glasgow				1.15			.59	.73		T				.12				.26	.6				1.10	.18	.05	.23	.25					3.18
Grant, Dam 35		.26	.45	.20		T.	.35	.2		T				.13				.50	.52				.18			.16	.52	T				5.23
Greensburg		.52	.92	1.17		.01	.26	.30		.05				.03				.16	.23			.02	1.16	.40	.03	.41	.28					5.77
Hugh Bridge, Lock No. 7		.27	.25	1.00		.02	.03	.17	.03	.01	T.			.01				T.	.16				.63	.12		.65	.03	.02				4.44
Irvington		.18	.21	T.	T.	T.	.18	.17		.05				T.				.17					.62			1.38	T.					3.86
Lancaster		.23	.28	1.10		.12		1.53		.03							.14		.09	.25	.10				.24		.23	.45				4.57
Leitchfield		.27	.18				.11	.25		.03				.08		.01		.40					.03	.10	T.	1.25	.20					3.98
Lexington		.33	.68	.33	.02	.17	.09	.11		.01				.08				.22			T.	.01	.25	.03	.05	.39	.14				T	3.86
Little Hickman, Lock No. 8		.3	.25	1.10		.05	T.	.10		T.	.01			.05				T.	.15			.10	.70	.25		.72	.35	T				4.76
Lockport, Lock No. 2	.18	.28	.22	.32		.52	.5		.22									.37	.35		.28		.20		.07	.28						4.
Louisville	.02	.41	.11		T.	.05	.53	.07		.16				T.					.15			.05	.13		.10	1.21	T.					3.20
St. John		.40	.30		.03		.35	.04		.08								.45					.85	.03		1.40	.4					3.81
Salvisa, Lock No 6		.52	.25	.35			.15	.85		T				T.				T.	.28				.76			.87	.12	T				4.72
Shelbyville		.34	.34				.06	.27		.18				.02				.54					.45			.56		.06				3.75
Taylorsville																																
Tyrone, Lock No. 5		.30	1.28			.15	.65	.20	T				.03				.03	.22				.80	T		1.61	.10	T				4.89
Williamstown		.15	.41	.10			.47	.76		.16								.46					.20			.55	.2					2.79
Woodbury, Lock No. 4		.42	.41	.08		.01		.83		.03		T.		.05					.33				1.15	.07	.09	.72	.42					4.05
Eastern Division																																
Annville	C.	.27	.60			.01		1.05	.05		.02				.15			.27	.20				1.21	.87	.25	.10	.5	.18				6.55
Ashland	O.	.13	.23	.77	.01	.04	.27	.52	.28		T.			.11				.26	.45			.02	.16	.14		.38	.7	.13				4.11
Berea	K.	.35	.22	.27	.05	.02	.46	.70						.15		.10		.33	.20			.03	1.12	.25		.35	.47					5.01
Cobbs Hill, Lock No. 11	K.	.25	.50	.20		.08	.10	.03	T		.03			.01		.03			.10	.04			.05	.45	.06	.25	.27	.06				3.49
Cynthiana	L.	.15		1.00			.35	.5		.01	T.			T.				.25					.34		T.	.32						3.21
Falmouth	L.	.17	.14	.06		.03	.8	.29	T.	.08	T.			.10				.21	.01				.03			.47	.16	T.				2.30
Farmers	L.	.13	.25	1.01		.03	.07	.37						.21					.25				.11			.69	.35		.13			1.70
Flemingsburg	L.	.38	.06		.20	.11	.50	.14		.30				.12					.15			.27	.13		.71	.45						2.78
Ford, Lock No. 10	K.	.24	.37	1.13	T.	T	.17	.25	.01	T.	.01			.01	T.			T.	.15			.02	.02	.05	T.	.6	.30	T				4.30
Grayson	O.																															
Greenup, Dam 30	O.	.33	.22	.77	.08	.07	.30	.60		T.	O.			.03	.03				.08			.02	.18	.03		.37	.02	.05				3.20
Harlan	C.	3.1	.55	.12	.30	.22		1.73											.60	.08		.02	.18	.03		.37	.02	.05				8.20
Hazard	K.	.84	1.30		10	.05	1.2	.33		.08				.16	.11				.80	1.85		.04	.70	.31	.86	.14	.25	.16				11.23
Heidelberg, Lock No. 14	K.	.19	.48	.05	.04		.1	.10	.11	.02				.13	.05	T			.83	1.05		.01	.71	.71	.14	.10	.48	.59				6.05
Jenkins	K.	.48	1.10	.62	.11		1.16	.24		.35		.15	.08					.20	1.08			.07	.70	.19	.29	.12	.77					5.70
Louisa																																8.21
Manchester	K.	.27	.12	.93		.13		1.13	.05		.03				.25				.84	1.13			1.20			.76	.75					8.07
Maysville	O.	.02	.10	1.18	T.	.02	.81	.49	T.					.08					.15				.02			.58	.50	.08				3.48
Middlesboro	C.	1.05	1.19		.21		.45	.58											1.40	.25			1.27	.46	.30		.55					8.09
Mount Sterling	L.	.33		1.35	.07		.30	.12						.20				.27					.34			.86	.64	.10				4.94
Oneonta Dam 35	K.	.06	.57	.18		T.	.17	.15	.01	.02	T.			.09				.15	.11				.15			1.40	.25	.02				2.33
Paintsville	K.		.50		.05	.03		.98	.05		.05			.12	.01				.72	.69		.04	.50	.70	.16	.06	.37	.37				5.42
Pikeville	K.	.22	1.58	T.	.28	T.	.21	.98						.23	.12				.48	1.43			.61	.58		.12	.25	.22				8.08
Pippapass	K.	.21	.88		.08		.14	.6		.04	T.			.20					.20	.35						.08	.21	.17				3.25
Quicksand	K.		1.60			.32	1.7			.50				.27				.60		1.18		.70	.76		T.	.31	.65	.28				8.27
Ravenna, Lock No. 12	K.	.20	.52	.20	T.	T.	.72	.12		.10				.09	.01	.06			.37	.43		T.	.52	.45	.13	.10	.40	.15				3.76
Richmond	K.	.50	.20	1.10			.10	.70		T.	.05			T.					.10	.25		T.	1.00	.10	.05	.35	.76					5.30
Valley View, Lock No. 9	K.	.63	1.45		.06	.10	.75	.10		.01				.10					.35			.04	.60		.20	.70	1.05	.12				6.10
Vanceburg, Dam No. 32	O.	.05		.13	1.05	.02		.30	.58					.10											.07	.5	.40		.58	.57	.12	3.64
Whitesburg	K.			1.00	.85			.06	.97				.06					.02	.20	.60		.80	.30	.40		.40					7.09
Williamsburg	O.	.28	1.64	.05					2.40					.05					.86	.91			.44	.64	.69	.28	.44	.10				8.88
Willow, Lock No. 13	K.	.30	.40	.18	.05		.06	1.10	.10		.03			.26		.08		.25	1.00			1.55	.25	.25	.08	.65	.08					6.48

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

†Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

§Lone Oak.

Daily Temperatures for March, 1934.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Fadeum	Maximum	47	52	54	54	59	59	53	40	49	46	54	53	67	..	56	67	76	71	40	66	72	66	46	46	62	62	62	60	69	72	68	*56.0
	Minimum	31	30	42	44	42	41	35	31	28	15	18	25	32	..	29	42	52	28	23	27	36	40	32	32	33	43	34	22	52	42	52	*34.3
Earlington	Maximum	48	56	58	57	60	59	53	38	49	45	57	53	61	64	56	66	76	72	40	61	73	67	44	48	61	61	58	46	69	73	67	57.0
	Minimum	33	40	48	46	39	40	30	30	22	15	17	20	43	35	26	36	55	30	22	15	49	43	32	32	35	48	34	23	26	35	62	34.3
Greenville	Maximum	49	56	..	61	62	60	54	40	51	47	56	53	67	64	56	67	75	..	78	59	72	67	46	48	47	61	56	49	69	72	69	*57.8
	Minimum	31	36	..	43	39	37	35	29	21	14	12	19	40	30	23	40	52	..	21	22	46	43	30	30	32	42	32	26	25	36	49	*32.1
Henderson	Maximum	49	51	58	59	58	56	50	40	46	42	59	55	69	61	56	68	75	69	44	63	71	70	37	41	49	60	58	46	67	73	69	56.2
	Minimum	30	36	43	34	41	39	32	30	25	13	16	16	39	31	27	39	49	27	18	27	45	42	28	31	32	41	32	22	30	41	44	32.4
Hopkinsville	Maximum	47	54	63	63	60	61	54	41	52	47	58	58	68	62	57	70	77	72	36	60	73	66	48	47	46	59	55	52	70	73	67	57.6
	Minimum	31	41	50	44	41	39	29	30	33	15	17	22	38	32	23	33	48	28	23	23	42	46	31	31	34	32	33	22	28	36	46	33.3
Lovelaceville	Maximum	50	55	67	63	61	63	56	45	53	52	54	55	65	65	57	68	76	67	42	63	66	65	43	39	49	58	57	51	69	65	65	57.4
	Minimum	30	40	42	41	44	49	35	29	22	12	19	20	40	34	24	33	47	26	21	25	50	41	32	32	32	41	31	28	28	36	46	33.1
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mayfield	Maximum	46	51	53	57	46	61	56	44	..	50	42	49	61	61	51	64	67	66	44	59	65	64	58	59	43	54	55	49	65	66	64	*55.4
	Minimum	32	32	48	43	42	42	31	21	..	14	14	20	17	22	20	28	33	22	23	27	47	41	32	31	33	42	33	24	32	44	49	*32.4
Murray	Maximum	55	56	60	60	62	66	56	40	57	47	57	55	68	58	57	70	77	72	40	66	72	72	46	48	47	56	57	57	70	73	66	58.3
	Minimum	30	42	47	38	38	35	36	30	26	15	17	18	37	36	26	30	42	26	28	23	47	44	32	32	34	41	33	32	33	43	49	32.2
Owensboro	Maximum	48	54	65	64	55	59	50	40	47	44	56	51	66	61	59	67	75	70	42	65	70	69	48	46	56	60	60	56	70	71	68	57.7
	Minimum	29	36	39	39	38	37	29	28	28	12	15	22	35	28	25	28	46	36	16	25	44	36	28	28	32	40	28	29	28	29	46	31.2
Princeton	Maximum	50	55	67	68	60	62	54	42	52	42	58	56	68	65	59	71	75	66	42	66	72	64	44	39	51	59	57	52	73	74	64	56.9
	Minimum	29	42	47	44	37	39	36	36	28	14	17	22	42	32	25	33	46	28	23	25	42	39	32	32	34	43	34	22	30	36	46	33.1
Russellville§§	Maximum	..	..	64	55	61	66	44	36	61	36	53	52	65	63	57	68	75	68	41	57	72	58	46	48	57	49	60	57	49	69	71	60 *53.9
	Minimum	23	37	..	42	40	37	29	29	21	16	13	20	37	30	22	36	45	32	20	21	46	31	30	30	37	36	28	27	..	..	..	*30.8
Central Division.																																	
Anchorage	Maximum	49	55	59	56	61	55	44	54	45	51	33	49	66	57	54	65	76	64	43	59	..	61	43	34	53	66	56	46	64	74	71	*54.2
	Minimum	29	31	45	44	33	29	32	28	23	17	7	18	39	30	29	30	46	25	18	15	..	32	25	26	29	40	26	16	29	39	36	28.5
Bardstown	Maximum	49	60	67	61	62	67	56	40	58	48	54	52	66	62	57	68	77	69	43	56	71	61	40	37	51	68	59	60	69	76	77	57.2
	Minimum	30	35	37	45	36	37	35	29	32	18	9	18	41	27	29	37	46	27	21	19	35	30	27	29	30	42	32	20	25	34	38	29.9
Bowling Green	Maximum	48	56	67	62	63	65	55	48	52	48	40	54	69	62	59	70	80	70	33	65	75	68	49	43	49	65	56	52	70	75	75	59.5
	Minimum	32	48	52	44	41	38	30	30	25	21	15	21	37	33	23	38	47	34	25	26	41	40	33	33	34	34	31	25	29	36	46	34.5
Danville	Maximum	51	51	66	64	61	66	60	50	52	46	50	50	65	54	56	66	76	67	31	54	72	66	53	54	47	57	61	44	65	72	75	61.0
	Minimum	28	33	46	47	37	36	35	27	23	18	9	17	38	28	27	42	53	18	24	..	..	29	20	27	43	31	21	26	31	45	50	*30.2
Dix Dam	Maximum	54	57	60	65	61	56	52	45	44	42	33	50	65	63	56	66	76	68	32	56	70	70	56	55	56	67	46	67	74	74	74	59.5
	Minimum	31	36	55	55	42	38	44	30	24	21	11	19	33	31	20	40	50	30	25	21	41	36	30	31	34	43	34	21	27	32	44	33.2
Eubank	Maximum	43	53	65	55	55	60	59	48	48	48	37	43	63	56	55	53	59	63	38	58	62	64	52	51	48	55	63	59	61	57	65	54.9
	Minimum	28	34	45	47	35	36	35	34	20	19	11	15	32	26	16	31	35	31	25	18	34	32	40	31	29	32	31	29	36	33	37	30.8
Frankfort	Maximum	49	59	65	64	61	57	50	39	44	42	35	49	66	62	58	65	77	71	34	56	70	65	42	41	48	57	56	46	66	75	72	56.4
	Minimum	22	32	46	46	31	35	34	29	20	13	18	21	39	31	20	38	46	27	20	20	40	30	26	28	30	40	32	20	25	30	37	29.9
Franklin	Maximum	55	55	66	68	63	66	55	45	55	52	40	54	68	60	60	68	78	72	36	59	71	64	54	57	46	64	57	50	71	76	76	59.2
	Minimum	31	45	45	46	42	40	40	31	24	19	15	23	38	32	23	40	49	31	25	24	42	40	34	29	33	43	34	26	29	37	49	34.3
Glasgow	Maximum	52	58	68	63	63	62	48	43	53	43	36	46	61	57	51	61	76	67	32	53	66	66	42	35	47	58	59	44	65	62	73	54.5
	Minimum	31	40	55	42	37	35	39	30	22	20	13	21	41	31	21	36	45	31	28	21	42	40	31	31	29	33	38	24	25	36	41	32.6
Greensburg	Maximum	51	58	67	65	61	61	53	45	48	46	56	56	69	61	61	69	77	72	32	56	69	67	39	41	56	68	65	49	70	75	73	58.2
	Minimum	30	35	44	46	34	37	29	21	19	11	11	16	37	22	18	29	39	29	26	28	56	39	30	29	32	42	32	22	25	33	39	30.8
Lexington	Maximum	47	54	59	57	59	53	49	37	47	45	34	50	65	62	54	65	75	70	37	56	70	63	53	39	51	66	58	49	66	73	69	55.1
	Minimum	32	39	49	45	39	39	33	29	27	17	13	24	40	30	24	41	51	36	20	28	45	32	27	30	30	42	33	20	29	38	49	32.0
Leitchfield	Maximum	46	55	62	59	60	57	50	38	47	43	38	50	66	59	56	65	76	68	38	57	72	64	55	50	49	65	56	47	67	72	70	55.9
	Minimum	30	36	51	43	46	39	33	29	24	18	14	23	40	30	27	40	50	28	22	23	44	35	30	30	32	42	33	25	25	46	46	33.8
Lexington	Maximum	47	56	63	62	60	56	48	38	49	47	37	50	67	64	56	65	76	70	38	57	72	64	55	50	49	65	56	47	67	72	70	55.9
	Minimum	30	36	51	43	46	39	33	29	24	18	14	23	40	30	27	40	50	28	22	23	44	35	30	30	32	42	33	25	25	46	46	33.8
Louisville	Maximum	48	56	58	58	57	54	49	38	44	38	32	49	65	60	52	64	76	68	37	55	68	66	50	48	56	64	57	49	66	73	69	56.4
	Minimum	32	39	49	48	39	39	32	28	28	17	16	24	43	29	26	44	49	32	19	30	47	30	24	20	30	38	39	24	24	32	40	31.2
St. John	Maximum	45	45	50	61	60	61	60	50	46	45	45	48	60	64	52	65	78	66	37	55	71	64	55	47	55	61	61	47	65	71	69	55.2
	Minimum	28	30	30	31	32	35	34	29	24	21	17	19	36	28	23	40	46	22	19	22	50	41	26	22	27	40	31	30	40	43	31	29.9
Shelbyville	Maximum	46	56	61	58	60	55	46	38	44	41	32	48	64	58	58	64	74	65	33	54	68	59	51	38	48	68	64	46	63	73	68	53.9
	Minimum	25	36	48	45	36	34	32	27	25	18	11	19	37	28	22	35	42	25	17	18	37	28	22	27	28	40	31	19	37	36	44	30.0
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	51	57	61	59	60	52	47	37	42	39	34	47	65	60	52	65	76	73	33	55	67	63	35	40	41	66	65	50	68	78	72	55.4
	Minimum	26	34	48	47	38	33	32	27	22	18	7	17	38	28	19	36	43	26	15	20	40	28	21	28	24	37	30	17	25	36	48	29.1
Eastern Division.																																	
Ashland	Maximum	48	53	63	65	62	54	51	36	38	38	30	46	65	63	56	66	70	68	38	55	74	66	52	35	47	74	70	40	64	74	72	55.0
	Minimum	14	30	43	38	36	33	30	21	28	9	15	31	36	38	36	38	46	31	21	28	51	32	32	15	27	41	50	22	24	31	42	30.2
	Maximum	42	57	64	63	54	48	59	40	48	39	34	51	66	64	65	75	67	71	51	72	65	71	58	49	59	65	64	66	72	72	74	54.5
Boyd	Minimum	31	38	51	49	41	35	35	30	21	21	17	17	39	29	18	39	46	29	25	20	41	34	30	29	30	41	31	21	27	38	46	32.1
	Maximum	52	59	66	65	61	56	52	42	52	52	52	53	62	52	56	68	71	67	66	68	72	72	58	58	57	68	66	59	69	75	75	60.8
Farmers	Minimum	13	28	40	47	23	31	35	29	16	22	6	9	30	29	15	33	39	30	21	17	28	28	25	28	24	26	33	20	20	26	31	26.8
	Maximum	60	60	60	67	69	68	68	42	52	52	52	53	62	52	56	68	71	67	68	68	72	72	58	58	57	68	66	60	69	75	75	60.8
Harlan§§	Minimum	20	38	49	54	38	32	38	37	24	28	11	15	26	34	18	26	31	36	35	34	31	42	38	28	35	37	43	30	27	31	47	32.9
	Maximum	54	65	67	67	62	59	55	46	48	42	33	51	67	63	56	67	75	72	34	52	74	64	41	39	48	72	70	47	70	74	74	58.9
Heidelberg	Minimum	23	33	37	44	35	33	35	32	32	24	11	12	28	32	18	35	20	33	28	21	30	40	32	32	30	41	41	25	25	29	30	30.3
	Maximum	18	58	65	61	64	53	49	36	40	41	31	47	65	61	52	64	77	69	31	54	68	68	35	39	49	70	68	48	65	74	73	55.6
Maysville	Minimum	13	29	47	46	38	34	32	28	20	22	8	15	33	29	17	36	33	27	16	19	32	26	23	20	25	38	32	20	22	28	28	27.7
	Maximum	50	52	61	64	45	58	58	50	49	49	34	47	60	59	54	62	67	67	44	55	67	67	48	49	47	71	72	58	64	69	71	57.3
Middlesboro	Minimum	29	38	48	55	34	30	35	33	22	22	10	13	36	29	15	34	28	40	34	26	31	44	37	35	33	42	37	28	24	31	35	31.5
	Minimum	27	36	45	45	34	30	30	28	21	22	12	20	36	28	16	33	36	25	16	20	34	29	23	23	24	35	29	21	24	30	34	28.0
Mount Sterling	Maximum	60	57	68	65	64	58	56	45	48	45	32	52	68	66	58	67	75	71	40	59	72	68	55	55	56	66	60	50	70	76	73	*60.2
	Minimum	21	34	47	46	36	31	34	26	18	18	6	13	34	28	17	33	36	25	21	17	36	26	26	28	26	37	33	17	25	33	40	28.0
Pippapass	Maximum	54	58	66	69	61	57	55	45	46	..	33	50	66	57	57	66	74	64	40	60	74	67	39	55	47	73	68	48	70	74	73	*59.2
	Minimum	28	33	40	50	37	34	35	32	24	6	13	29	31	17	28	37	39	29	26	21	27	29	30	31	22	38	39	27	24	29	36	29.5
Quicksand	Maximum	54	58	66	69	61	57	55	45	46	..	33	50	66	57	57	66	74	64	40	60	74	67	39	55	47	73	68	48	70	74	73	*59.2
	Minimum	21	30	36	42	33	32	35	30	21	..	8	12	25	25	17	27	29	27	26	21	27	27	30	31	22	33	30	25	22	28	32	27.4
Richmond	Maximum	54	56	66	65	60	55	46	37	45	27	30	53	65	60	58	66	75	66	36	54	65	70	46	38	56	70	70	40	47	70	75	54.0
	Minimum	28	28	48	50	40	38	37	30	25	28	11	20	37	30	22	34	46	36	25	24	40	38	30	30	30	50	41	30	21	28	40	33.1
Williamsburg	Maximum	48	53	62	62	58	53	46	43	48	43	37	42	58	52	51	52	65	62	41	55	65	68	42	51	56	66	64	58	51	51	68	53.5
	Minimum	31	45	51	56	45	39	41	32	26	22	13	18	29	26	17	28	30	36	23	23	34	45	36	47	45	44	33	28	21	33	43	34.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* * * etc. indicate respectively 1, 2, 3 etc. days missing from record.

* B.O. Louisville 8.24.34 Uber

JKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

THE LIBRARY OF THE
JUN 21 1934

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XXXIX LOUISVILLE, KY., APRIL, 1934 No. 4

GENERAL SUMMARY.

Except for increasing dryness that interfered with plowing and soil conditioning during most of the second half of the month, the weather was generally favorable for outdoor work, and made possible more rapid progress than usual in land preparation. Abnormal warmth during the first decade started pastures, winter grains, alfalfa and clover into vigorous growth. Seeding to oats was largely completed and some came up during this period. Potatoes were planted with the soil in excellent condition for this crop. The excess heat also brought up most tobacco plants.

On the 11th the character of the weather changed abruptly, and from that time until the end of the month it continued unseasonably cool with only brief returns to normal temperature. This long cool spell retarded growth and practically offset the gains in the early period of warmth. Killing frost occurred in the northern counties and heavy frosts in most other sections on the 28th. Some early vegetables, strawberries, and early potatoes were injured, but the damage was lessened by the backwardness of most crops susceptible to frost.

Precipitation much below normal permitted field work to proceed almost without interruption, but after the middle of the month growth in pastures began to diminish and grains showed the need of moisture. Low humidity, the large amount of sunshine, and considerable wind movement were weather features that contributed to the rapid extraction of soil moisture, especially from bare and unplowed fields or from land that had been plowed and not smoothed. These conditions, as well as the low temperature, discouraged the early planting of corn. It was only in the southern counties that fair progress was made. Good rains in the last week caused renewed growth of crops and led to increased activity in corn planting. With the needed moisture and the rise in temperature to normal at the end pastures and grains began to improve. Low temperature and dryness delayed tobacco plants and early gardens. Cotton planting advanced regardless of the cool weather, because the soil was relatively dry.

TEMPERATURE.

In the warm decade at the beginning of the month daily mean temperatures ranged from 10° to 20° above normal. Except for one day, the deficiency in the last decade was almost equally as great. The 12th and 13th were also decidedly cool, with heavy frost at many stations on the 13th. The extremes were 90° on the 4th, 5th, and 6th, at various stations in the central and western counties, and 24° on the 28th at Farmers.

PRECIPITATION.

Precipitation for the State averaged slightly more than half the normal amount. Restricted areas in the south-central and southeastern counties received from 3.0 to 4.0 inches. In most of the bluegrass region and extreme northern counties from 1.0 to 2.0 inches occurred. Stations in the remainder of the State reported from 2.0 to 3.0 inches. The northern dry district coincided with the area of least precipitation in the month preceding. The range was between 4.85 inches at Harrodsburg and 0.73 inch at Grant. Heavy rain occurred in the western counties and at a few central stations on the 26th and 27th, otherwise the rainfall came in light to moderate showers scattered irregularly through the period 5th-28th. These showers were most general on the 6-7th and 11-12th. Days with thunderstorms were: 5, 6, 10, 11, 22, 26, 27. Snow flurries were reported from several stations on the 12th.

MISCELLANEOUS.

Rivers:—The Ohio crested near flood stage in the Cairo district on the 4th, after which it fell steadily till the end of the month. Considerable bottom land was flooded in that section. Tributary streams subsided to low stages.

Errata.—Anchorage, mean max., page 8 should be 39.5; monthly mean, page 6 should be 28.0.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure reduced to sea-level.					Wind.			Relative humidity			Percentage of sunshine.
	Mean.	Highest.	Date.	Lowest.	Date.	Av. hourly velocity.	Maximum velocity.	Direction.	Date	7 a. m.	12 noon	7 p. m.	
Cairo	Ill	29.99	30.39	30	29.57	11	9.8	32	nw.	11	68	45	45	68
Cincinnati	Ohio	29.89	30.47	9	29.42	11	8.1	47	sw.	1	69	45	46	69
Evansville	Ind.	30.00	30.42	30	29.53	11	9.6	32	sw.	1	68	45	46	56
Louisville	Ky.	30.00	30.47	9	29.5	11	10.8	37	nw.	11	66	43	44	68

COMPARATIVE DATA FOR APRIL.

Year	Temperature				Precipitation				Number of days		
	Mean.	Departure.	Highest	Lowest	Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Clear.	Partly cloudy.	Cloudy.
1890 ..	57.0	+ 0.9	..	24	1.0 ..	-2.34	3.56	0.93	..	..	..
1891 ..	57.0	+ 0.9	..	28	4.1 ..	+0.69	6.46	2.7	..	..	..
1892 ..	58.0	+ 1.9	..	27	2.52	-1.43	3.70	1.62	..	..	..
1893 ..	56.0	- 0.1	..	32	7.14	+3.17	17.78	2.0	..	..	..
1894 ..	58.0	+ 1.9	..	24	6.90	+3.04	14.30	3.42	..	..	..
1895 ..	56.0	- 0.1	..	26	3.51	+0.41	7.21	1.50	..	..	..
1896 ..	57.2	+ 1.1	..	22	3.18	-0.77	4.55	1.1	5	13	8	5
1897 ..	57.6	+ 1.5	..	24	1.65	-2.30	6.82	0.3	6	13	12	9
1898 ..	56.5	- 0.6	..	26	6.03	+2.08	9.57	2.56 T.	11	9	11	10
1899 ..	52.4	- 4.7	..	19	3.58	-0.37	5.55	1.08 1.1	8	12	8	10
1900 ..	57.2	+ 1.1	..	20	3.16	-0.79	4.75	1.40 0.3	5	13	8	9
1901 ..	55.2	+ 0.1	..	15	2.15	-1.80	3.92	1.04 T	5	14	8	8
1902 ..	57.9	+ 2.2	..	25	4.01	+0.06	7.26	1.11 2.6	3	11	5	14
1903 ..	54.2	- 1.9	..	22	2.26	-1.36	5.57	1.26 0.1	8	14	9	7
1904 ..	55.4	- 0.7	..	22	4.43	+0.48	10.84	2.24 T	12	10	7	13
1905 ..	56.8	- 0.3	..	19	2.83	-1.12	4.23	1.7 1.7	11	10	7	13
1906 ..	56.7	+ 0.6	..	23	3.00	-0.95	4.55	1.87 0.2	9	12	8	10
1907 ..	59.5	+ 3.4	..	28	1.40	-2.54	2.23	0.53 0.0	4	17	7	6
1908 ..	58.2	+ 2.1	..	24	2.78	-1.17	5.24	1.60 0.2	11	10	5	15
1909 ..	56.8	+ 0.7	..	23	6.56	+2.61	8.61	3.1 0.8	14	12	6	12
1910 ..	56.1	0.0	..	21	5.98	+2.03	11.02	4.15 T	20	14	7	9
1911 ..	55.1	- 0.7	..	23	5.14	+1.19	8.06	2.26 0.7	14	12	6	12
1912 ..	58.8	+ 2.3	..	26	7.66	+3.71	13.05	4.10 T.	14	11	5	14
1913 ..	58.4	+ 2.3	..	28	7.70	+3.95	12.16	5.16 T.	10	11	7	12
1914 ..	55.3	- 0.8	..	27	2.73	-1.29	4.52	1.18 T.	9	11	7	12
1915 ..	55.7	- 0.4	..	23	3.62	-0.33	6.28	1.88 T.	14	11	8	11
1916 ..	54.0	- 2.1	..	24	2.64	-1.31	4.70	1.61 1.4	8	11	5	14
1917 ..	55.8	- 0.3	..	19	5.02	+1.07	8.28	2.21 0.5	11	9	7	14
1918 ..	53.0	- 3.2	..	25	4.07	-0.12	7.78	2.05 0.0	13	8	8	14
1919 ..	56.7	- 0.6	..	19	3.51	-0.43	5.55	1.48 0.0	10	13	7	10
1920 ..	59.5	+ 2.8	..	29	6.16	+2.21	9.55	2.47 0.2	10	9	8	13
1921 ..	58.2	+ 1.5	..	24	4.09	+0.14	5.59	2.21 T.	3	15	7	8
1922 ..	59.5	+ 2.8	..	28	4.25	+0.30	7.54	2.05 0.6	11	14	8	8
1923 ..	54.8	- 1.9	..	22	4.88	+0.93	8.65	2.26 0.4	9	9	7	14
1924 ..	57.4	- 1.3	..	19	3.41	-0.54	6.25	1.76 0.1	5	15	5	10
1925 ..	53.2	+ 5.1	..	28	3.16	-0.79	5.67	1.24 0.0	10	14	7	9
1926 ..	50.6	- 4.5	..	26	3.17	-0.78	6.14	1.84 0.0	7	12	8	10
1927 ..	55.7	- 2.5	..	24	6.73	+2.41	13.25	3.86 T.	13	5	8	12
1928 ..	52.9	- 3.2	..	24	4.26	-0.26	7.98	1.98 0.6	13	11	6	13
1929 ..	60.1	+ 3.8	..	29	3....	-0.78	5.1	1.66 0.6	5	14	7	9
1930 ..	55.9	- 2.5	..	24	1....	-2.00	2.77	0.74 0.0	4	11	5	14
1931 ..	56.8	- 0.2	..	29	3....	-0.78	6.43	2.4 0.1	7	14	7	9
1932 ..	58.1	+ 1.1	..	27	3....	-0.77	5....	2.4 T.	1	15	7	8
1933 ..	55.7	- 1.3	..	27	4.74	....	8....	2.... T.	5	13	7	10
1934 ..	56.9	+ 0.8	..	24	2.16	-1.78	4.85	0.75 T.	8	13	10	7
Period	56.1	....	64	33	3....	....	14.29	0.35 0.8	7	11	7	10

Climatological Data for April, 1934.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	30																	Mrs. Lena F. Taylor.
Calhoun	McLean	437	30	58.8	+ 0.4	88	4	34	28	40	2.86	−1.73	1.25	0	8	9	13	8	sw.	W. A. Taylor.
Earlington	Hopkins	420	44	58.6	+ 1.3	90	5	31	28	43	2.95	−1.41	1.63	0	6	15	11	4	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	6								2.82		1.78	0	9					Lockmaster.
Greenville	Muhlenburg	519	17	[a]56.8	− 0.6	86[b]	4	32[b]	25†	43[b]	3.26	−1.61	1.10	0	8	13	16	1	s.	C. R. Lovell.
Henderson	Henderson	382	20	58.5		89	4	34	12†	42	2.42	−1.20	0.94	0	6	10	11	9	w.	Richard Stites
Hopkinsville	Christian	524	38	58.2	+ 0.9	89	4	33	13†	40	2.65	−1.75	1.44	0	6	14	5	11	n.	W. E. Graves.
Loreleaceville	Ballard	....	5	56.8		79	3	30	14	34	2.18		1.90	0	4	18	9	3	s.	Blaine Malone.
Marion	Crittenden	571	35																	B. C. Paris.
Mayfield	Graves	364	25	58.8	+ 0.9	81	4	36	12†	36	1.87	−2.63	1.88	0	5	16	13	1	n.	Mrs. C. R. Sowell.
Murray	Calloway	412	8	57.8		90	4	30	14†	47	2.44		1.55	T.	4	12	14	4	s.	Harry B. Arnold
Owensboro	Daviess	479	37	55.6	+ 0.1	85	4	32	21	38	2.14	−1.92	1.61	0	6	17	5	8	s.	Henry S. Berry.
Owensboro, Dam 45	Daviess	404	6								1.92		1.52	0	6					Lockmaster.
Paducah	McCracken	516	17								2.14	−2.47	1.45	0	7	13	10	7		C. J. Rhodes.
Paducah (near)§	McCracken	341	45								2.22	−3.34	1.37	0	7					J. W. Lilley
Princeton	Caldwell	529	27	58.4	+ 0.3	89	4	30	14	45	2.67	−1.83	1.18	0	8	13	13	4	n.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	384	17								2.90	−1.82	1.57	0	7					Lockmaster.
Russellville	Logan	590	23	[a]57.2	− 0.8	87	4	33[b]	28	31[b]	1.74	−3.09	1.10	0	4	13	11	6	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	6								2.38		1.83	0	6					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	6								1.84		1.24	0	6					Lockmaster.
Anchorage	Jefferson	700	33	[a]54.4	+ 0.5	87[b]	4	27[b]	25†	41[b]	1.33	−2.59	0.83	0	2	24	5	1	se.	C. E. Barret.
Batdstown	Nelson	637	37																	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	45	58.9	+ 0.6	86	4†	33	28	41	2.20	−2.25	1.18	T.	4	13	12	5	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	9								2.02		0.97	0	5					Lockmaster.
Brownsville, Lock 6‡	Edmonson	420	17								3.09	−2.38	1.75	0	7					Lockmaster.
Burnside	Pulaski	773	43								2.92	−1.23	0.92	T.	12					T. A. Lewis
Carrollton, Lock 1	Carroll	480	25								1.25	−2.41	0.48	0	5					Lockmaster.
Cold Sprng, Dam 36	Campbell	489	8								0.96		0.35	0	5					Lockmaster.
Danville	Boyle	540	1	55.5		86	5	30	28	44	1.72		0.83	0	10	9	10	11	w.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	6	57.6		88	5	33	25†	38	1.54		0.84	T.	6	13	14	3	s.	C. W. Williams.
Eubank	Pulaski	1177	40	53.0	− 1.3	80	6	28	21†	39	2.25	−1.64	0.80	0	7	5	14	11	s.	Mrs. Katie Payne.
Frankfort	Franklin	569	42	56.0	+ 0.2	88	4†	25	28	45	1.47	−2.39	0.65	0	7	12	12	6	w.	Lockmaster.
Franklin	Simpson	691	39	60.4	+ 1.2	90	4	35	28	39	2.26	−2.12	1.00	0	8	12	13	5	n.	Marcus Gatewood.
Frankfort	Henry	490	23								1.54	−2.41	0.68	0	6					Lockmaster.
Glasgow	Barren	789	8	55.8		88	4	30	21	40	1.14		0.85	0	6	21	8	1	e.	P. L. Beatty.
Grant, Dam 38	Boone	780	9								0.72		0.30	0	8					Lockmaster.
Greensburg	Green	581	41	57.4	+ 2.2	89	4	30	25†	43	1.78	−2.15	1.00	T.	11	6	3	21	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	32								2.23	−1.53	0.87	0	11					Lockmaster.
Irvington	Breckinridge	646	36	57.6	+ 1.7	85	4	32	28	40	1.43	−2.65	0.61	0	4	13	7	10	sw.	W. J. Piggott
Lancaster	Garrard	1032	8								1.35		0.81	0	6					Walter Killion.
Leitchfield	Grayson	635	38	57.3	+ 0.7	87	4	32	28	39	2.38	−2.00	1.00	0	8	14	12	4	sw.	H. H. Willis.
Lexington	Fayette	989	59	55.4	+ 1.1	88	5	30	28	42	2.10	−1.40	0.80	0.2	13	13	9	8	ne.	U. S. Weather Bureau
Little Beckman, Lock 8		560	23								1.73	−1.86	0.93	0	6					Lockmaster.
Lockport, Lock 2	Henry	485	24								2.09	−2.03	0.64	0	6					Lockmaster.
LOUISVILLE	Jefferson	525	61	56.4	0.0	87	4	33	12	42	1.44	−2.44	0.83	T.	7	16	17	3	s.	U. S. Weather Bureau.
Mt. John	Hardin	777	38	55.4	+ 0.8	88	4	28	28	45	2.35	−1.85	1.10	0	6	17	6	7		Sisters of Loretto.
Salvisa, Lock 6	Mercer	526	20								1.55	−1.87	0.95	0	4					Lockmaster.
Shelbyville	Shelby	825	45	55.2	+ 0.5	86	3	29	28	44	1.95	−1.89	0.94	T.	7	15	7	8	nw.	Miss Ruth Ratta.
Taylorsville	Spencer	489	32																	Elizabeth J. Bourne.
Tyrone, Lock 5	Anderson	524	16								1.94	−2.50	0.87	0	5					Lockmaster.
Williamstown	Grant	943	31	56.6	+ 3.5	88	4†	26	28	48	1.10	−1.93	0.53	0	8	19	5	6	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	17								2.37	2.17	1.28	0	7					Lockmaster.
Eastern Division.																				
Annville	Jackson										2.73		0.78	0.1	12	12	9	9	sw.	W. A. Worthington.
Ashland	Boyd	534	15	57.0	+ 1.2	84	6	30	28	40	2.03	−1.30	0.77	0	9	15	3	12	nw	Lockmaster.
Berea	Madison	1070	29	57.3	+ 1.5	87	5	29	28	41	1.95	−1.71	0.87	T.	11	15	6	9	v.	Chas. O. Graham.
College Hill, Lock 11	Madison	611	24								1.63	−1.69	0.65	0.1	10					Lockmaster.
Cynthiana	Harrison	684	16								1.90	−2.18	0.80	T.	4					P. H. Kehoe.
Falmouth	Pendleton	660	45								1.41	−2.18	0.44	0	9					J. V. Oldham.
Farmers	Rowan	665	26	55.0	+ 0.3	86	5	24	28	41	2.28	1.82	0.81	0	7	6	17	7	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	9								2.37		0.82	0	5					C. A. Glascock
Ford, Lock 10	Clark	637	18								1.82	−1.68	0.78	0	10					Lockmaster.
Grayson	Carter	589	9																	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	14																	Lockmaster.
Harlan	Harlan	1197	6	58.8		83	5	30	13	46	4.85		1.03	0	13	15	3	12	n.	W. W. Duffield.
Hazard	Perry	869	10								3.47		1.22	T.	14					Chas. O. Hrig.
Heidelberg, Lock 14	Lee	663	17	57.0		88	5	29	28	43	1.88	−0.98	0.62	0	10	8	9	13	w.	Lockmaster.
Jenkins	Letcher	1566	10								3.70		0.89		10					R. R. Davidson.
Louisa	Lawrence	564	30								2.02	−1.29	0.73	0	11					Lockmaster.
Manchester	Clay		14								3.39	+0.04	1.80	0	8					Jeanett H. White.
Maysville	Mason	524	37	56.3	+ 2.2	88	5	29	28	38	1.88	−1.66	0.71	0	9	9	11	10	sw.	Lockmaster.
Middlesboro	Bell	1128	38	[a]55.4	− 1.2	85[b]	5	29[b]	25†	46[b]	2.92	−1.78	0.90	0	10	10	20	0		Matthew Woodson
Mount Sterling	Montgomery	930	44																	W. R. McKee.
Oneonta, Dam 37	Campbell	497	7								1.09	−3.14	0.48	0.2	6					Lockmaster.
Paintsville	Floyd	567									2.25		0.50	0	11					Manuel Robinson.
Pikeville	Pike	636	28								4.01	+0.43	0.96	T.	12					Robert Repass
Pineapple	Knott	1035		57.6		88	5	28	28	43	2.95		0.78	0	11	13	7	10		F. W. Summerfield.
Quicksand	Breathitt	732	8	55.7		86	4	27	28	45	2.52		0.82	0	8					R. W. Jones.
Ravenna, Lock 12	Estill	634	15								2.73	−0.36	0.68	0	14					Lockmaster.
Raymond	Madison	926	43	58.5	+ 2.6	90	6	30	28	34	1.62	−2.04	0.89	0	7	13	3	14		I. W. Crooke.
Valley View, Lock 9	Madison	571	21								1.85	−2.00	0.85	T.	10					Lockmaster.
Vanceburg, Dam 32	Lewis	525	19								1.68	−2.04	0.67	0	7					Lockmaster.
Whitesburg	Letcher	1142	9								2.15		0.78	T.	9					C. H. Zimmerman.
Williamsburg	Whitley	939	37					31	28		2.92	−1.36	1.17	0	9	8	16	6		H. F. Davis.
Willow, Lock 13	Lee	646	15								2.16	−1.79	1.83	T.	8	13	10	7	s.	Lockmaster.
State averages and extremes				56.9	+0.08	90	4†	24	28	48										

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days, etc.

• Also on other dates. †† Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.

¶Postoffice addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky. Oneonta, California, Ky.

Daily Precipitation for April, 1934.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G																															
Bathtown	G	T.			.21	.41	.15	.11		T.	.05				T.			T.			T.	.28				.87	1.25					2.86
Barlington	G					.09	.58	.12								T.		.01					.52				1.63					2.95
Cords Ferry Dam 50 ‖	O				T.	.04	.04		.35		.08	.02			.08	.08		T.			T.		.35			T.	1.78					2.74
Greenville	G					1.02	.38	.10			.11					T.		.02				.31					.22	1.10					3.36
Henderson	O						.11	.42			.08				.04												.83	.94					2.42
Hopkinsville	O					T.	.66		.09		.31					.04							.11			T.	1.44					2.65
Marion	O					.03					.40											.20				1.90						2.13
Mayfield	M																															
Murray	T				T.	.10	T.	T.			.14					.10		T.				.15					1.38					1.87
Owensboro	O				T.	.47	T.	T.		T.	.29	T.						T.				.15				T.	1.55			T.		2.44
Owensboro, Dam 46 ‖	O	T.					.28	.13			.04					.03					T.		.05			T.	1.61					2.14
Paducah	O					T.	.11		.18		.07	T.				.03							.04			T.	1.52					1.92
Paducah (near) ¶	O				.10		.09		.07		.19					.03							.22				1.45					2.14
Princeton	G	T.			.19	.11	.14									.05						.26				.10	1.87					2.22
Ramsey, Lock No. 2 ‖	G				.18	.27		.28			.17	.02			T.							.31				1.18	.26					2.67
Russellville ‖	G					.37	.46		.08		.05					.03					T.		.34				1.57					2.90
Uniontown, Dam 49 ‖	O						.46		.15							.08											1.10					1.74
Central Division					T.	T.	.19		.18		.01				T.	.12						T.	.05			T.	1.83					2.38
Addison, Dam 45 ‖	O					.08	.40		T.		.04	T				.04			T.			T.	.04			T.	1.24					1.84
Archabar	O					.49				T.						T.						T.					.88					1.33
Bardstown	S																															
Bowling Green	G						.64		.28							T.																
Bowling Green, No. 2 ‖	G					.03	.56		.52										.06			.10					1.18					2.20
Brownsville, Lock No. 6 ‖	G					.04	1.76		.10		.31												.14				.97					3.02
Burnside ‖	C					.05	.06		.92		.07	T.				.07	.11		.92	.06			.18				1.80					3.69
Carrollton ‖ (Lock No. 1)	K					.19	.48			.09	.05												.08				.48	.06		.04		2.92
Cold Spring, Dam 36 ‖	O	T.				.35	.34		T		.20	.05	T.			T.	T.		T		T		.02				.44					1.25
Danville	K				.08	.33	.17	T.	.10		T.	.08				.03		.05	T.	T		T.					T.						0.96
Dix Dam, Burgin ‖	K				.04	.38		.12		.12	T.	T.			T.							T.				.02	.83			.03		1.72
Dunbank	C								.45			.09	.53	.11									.04				.84						1.54
Frankfort	K					.03	.64			.07	.04		T.			T.	.01			.26							.80			.02		2.26
Frankfort	G				.03	.68		.19			.30					.03			.03			T.	.03				.65					1.47
Frost, Lock No. 3 ‖	K					.04	.51					.21	T.					T.				.05				1.00						2.26
Glasgow	O					.04		.05								.08							.06	.04				.68				1.54
Grant, Dam 38 ‖	O	T.				.12	.30				.18	.06	T.			.01				T.	T.	.03	.02			.04	.85					1.14
Greensburg	G					.05	.08	.02	.42		.09	T.				.02	.01		.01				.03			T.	.01					0.73
High Bridge, Lock No. 7 ‖	K					.07	.82		.11		.15	.04	T.			.08	.04		.04			T.	.04				1.00	.05				1.78
Irvington	O						.47				T.	T	T					T.		T.	T.	.04				.81	.61					2.23
Lancaster ‖	K				.04	.19		.20		.08	.03															.87	.04					1.43
Litchfield	G				.02	.33	.50	T.			.05					.02										.81						1.35
Lexington ***	K	T.			.02	.80	.02	.04		T.	.13	.03			T.	.06		.03	.06	.01	T.	.25	.01			.20	1.00			T.		2.38
Little Hickman, Lock No. 8 ‖	K					.30	.23		.15		.06	T.							.06			.05				.20	.60					2.16
Lockport, Lock No. 2 ‖	K				.64					.20	.05	T.															.93					1.73
LOUISVILLE***	O	T.			.02	.45	.03			T.	.08	T				T.					T.	.05		.60		.55						2.09
Lt. John	S	.02				.15	.80									T.					T.	.03				.61	.22					1.44
Louisa, Lock No 6 ‖	K					.10	.40		T.		.10					T.	T.		T				.21				1.10					2.33
Shelbyville	S					.09	.64				.09	.10				.04						T.	.05				.91					1.55
Taylorsville	S																															
Tyrone, Lock No. 5	K				.09	.77				.25	T.	T.			T.	T.					T.	.05				.87						1.94
Williamstown	L					.04	.37				.28	.07					.03				.02		.06				.53					1.40
Woodbury, Lock No. 4 ‖	G					.05	.22		.49		.10					.03							.20				1.28					2.37
Eastern Division																																
Danville	C					.07	.20		.78		.29	.05	.01			.10			.34		.04		.03				.77	.05				2.73
Farea	K				.04	.02	.18				.68	.18	.02			.02			.15			T.					.77					2.03
College Hill, Lock No. 11 ‖	K				.04		.20	.15	.17		.11	.08				.06		.14	.10							.03	.87			T.		1.95
Cynthiana ‖	L						.25		.20		.23	.06	.02			.05	.02		.12	T.			.03				.65					1.63
Dalmouth ‖	L						.65				.10	.05										T.					.80					1.90
Farmers ‖	L					.10	.44				.28	.10	T.			.05	T.			.01		.03	.04		T.	.41						1.44
Flemingsburg ‖	L					.29	.83		.09		.23	.12														.81						2.28
Ford, Lock No. 10 ‖	K	T.			.19	.40					.42											.54				.82						2.37
Georgetown	O				T.	.22	.25		.11		.19	.06	T.	.14		.01	.03		T		T.	T.	.03			.78	T					1.82
Glenup, Dam 30 ‖																																
Harlan ‖	C				.02	.50	.20	T.			.46	.13	.02			T.	.03		.24		.02	.01	.01				.53	.01					2.18
Hazard ‖	K						.09		1.03	.03	.28	.05	.10			.10	.40		.81	.32			.24				.18	.22					4.85
Heidelberg, Lock No. 14 ‖	K						.26		.65		.30	.04	.07			.06	.08		1.22	.10	.10	.05					.30	.20		.04			3.47
Hopkins ‖	B						.16		.40		.22	.04	.03			.03			.25	.04							.62	.06					1.88
Jamaica	B					.11	.19		.62	.11	.17	.14							.89	.11	.28						.57						3.70
Manchester	K				.65	.09	.39		.08		.50	.10	.01			.01			.10				.05				.73						2.02
Maysville ‖	O					.23	.15		.57		.13		.12			.05			1.30				.30				.54						3.39
Middlesboro	C					.08	.58				.09	.15	.01			T.						.08	.07	.06			.71						1.88
Mount Sterling ‖	L					.18	.12	.09		.90	.34	.08							.68								.16				.21		2.92
Nicholasonta Dam 35 ‖																							.17									
Nicholasville	B					.19	.48				.20	.12	T.			T.	T.			T.	T.		.03				.07						1.09
Owensville ‖	B					.45	.18		.37		.20	.05	.03						.12		.12		.07			.50		.13				2.25
Pippapass	K			T.	.25	.16		.72	.21	.20	.29	T.					.23	T.	.96	.35	.12		T.				.22	.20					4.01
Pocksound	K			T.	.11	.16		.48	.11	.43	.17	F.			T.	.07			.78	.08			.09			T.	.47						2.95
Avenue, Lock No. 12	K					.16	.18		.28		.15	.15	.08			.18	.08		.48	.12	.08		.05			.68	.12						2.73
Richmond	K				.31	.30		.08		.10	.02	.02				.05		.06								.82		T.				2.82
Valley View, Lock No. 9 ‖	K						.85		.18		.12	.05				T.			.05				.03				.82						1.62
Vincenburg, Dam No. 32	O				.15		.50				.20	.07				.05		.06					.12			.85						1.85
Walesburg ‖	K							.02	.20		.31	T.	.01				.11	.78	.07		.02			.40			.57						1.68
Williamsburg ‖							.24	.09		1.17			.07						.93	.07		.04					.20			.11		2.15
Willow, Lock No. 13 ‖	K				.15	.18		.30		.25		.25				.08		.45	.08	.07							.85						2.66

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

Daily Temperatures for April, 1934.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Calhoun	Maximum	80	79	82	88	84	77	66	62	75	80	75	52	55	71	78	67	72	81	75	68	66	66	79	78	68	59	54	64	75	70	...	70.4
	Minimum	40	47	61	59	60	60	48	48	46	58	49	37	37	40	56	51	45	55	55	40	39	42	47	46	36	41	46	34	41	50	...	47.1
Earlington	Maximum	82	81	83	89	90	79	67	62	75	82	78	52	56	78	74	64	75	82	77	61	59	65	79	74	62	58	56	64	76	70	...	71.5
	Minimum	39	44	60	57	59	62	48	48	42	57	53	37	38	36	53	52	39	51	56	41	35	37	45	48	32	38	46	31	35	45	...	45.8
Greenville	Maximum	81	79	...	86	85	80	66	66	74	80	76	52	55	71	75	71	72	79	74	60	57	63	...	78	61	58	57	63	73	72	...	[b]69.7
	Minimum	38	45	...	54	56	59	46	48	42	54	47	35	35	34	58	50	42	53	56	40	35	36	...	43	32	36	46	32	35	44	...	[b]43.8
Henderson	Maximum	79	78	85	89	83	74	67	66	76	80	73	72	61	61	64	68	78	82	73	57	56	69	78	70	63	76	61	64	74	73	...	73.0
	Minimum	37	46	59	58	60	57	46	47	43	56	47	34	40	47	53	45	47	44	53	38	37	41	46	43	34	37	43	32	34	47	55	46.0
Hopkinsville	Maximum	81	82	88	89	86	81	68	63	75	80	75	51	54	73	74	64	76	80	75	59	62	60	79	73	64	62	63	64	74	69	...	71.1
	Minimum	48	45	56	54	59	59	48	50	43	62	50	35	33	38	52	52	44	55	57	42	34	37	43	40	34	39	46	33	35	43	...	45.2
Lovelaceville	Maximum	83	85	86	87	88	83	68	60	68	71	77	65	51	60	76	68	68	76	73	62	60	64	80	78	68	65	63	64	74	69	...	68.4
	Minimum	44	46	59	57	59	56	49	50	41	54	54	36	37	30	55	50	43	55	56	40	33	37	43	47	31	40	45	33	35	43	...	45.3
Marion	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Mayfield	Maximum	72	75	77	81	78	77	76	67	73	77	78	58	55	72	73	70	70	76	78	63	55	61	75	74	62	65	76	57	68	67	...	69.9
	Minimum	46	53	62	59	60	59	49	51	46	56	55	36	36	36	55	52	43	54	56	41	38	43	45	49	40	46	46	36	46	45	...	47.8
Murray	Maximum	80	84	88	90	87	77	67	66	77	82	72	55	58	77	79	68	76	82	70	59	60	64	80	71	64	72	66	64	78	70	...	72.8
	Minimum	40	42	58	52	52	57	47	51	40	50	51	36	36	30	52	53	38	49	57	42	30	34	40	50	30	38	46	34	38	40	...	43.4
Owensboro	Maximum	75	76	79	85	83	68	60	58	71	77	65	51	50	63	76	67	72	78	73	60	58	62	76	73	60	58	63	64	74	70	...	68.3
	Minimum	37	41	56	53	56	55	44	46	41	51	45	35	33	33	49	48	42	52	52	38	32	37	42	42	33	36	44	33	38	45	...	45.0
Owensboro	Maximum	77	78	82	87	88	83	68	63	75	80	75	53	56	75	77	68	74	80	75	62	60	64	80	78	68	66	66	66	76	72	...	71.8
	Minimum	40	43	58	55	57	59	47	49	41	56	51	37	37	30	50	52	45	54	57	41	33	37	44	49	34	41	46	32	36	44	...	45.1
Princeton	Maximum	79	81	85	87	84	80	64	65	78	77	67	50	54	71	75	62	74	80	64	59	61	79	78	63	65	55	65	74	65	...	...	69.7
Russellville[§§]	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	51	54	42	53	59	41	34	36	45	50	49	35	52	33	36	43	...	...	[b]44.6
Central Division.																																	
Anchorage	Maximum	80	77	84	87	84	79	64	70	79	76	66	56	48	65	76	65	70	79	71	54	60	64	...	69	57	59	59	62	73	67	...	[a]68.4
	Minimum	29	46	47	55	53	58	46	40	48	49	39	32	29	36	40	45	43	46	48	36	30	36	...	38	27	32	36	27	36	42	...	[a]40.5
Bardstown	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Bowling Green	Maximum	82	85	85	86	86	84	65	68	78	80	70	52	56	72	75	70	75	83	71	60	60	60	81	70	68	61	58	65	76	68	...	71.7
	Minimum	41	50	55	57	57	57	50	50	47	50	58	36	34	35	45	56	44	50	60	42	35	38	42	51	38	37	52	33	36	46	...	46.1
Danville	Maximum	80	78	84	85	86	83	63	69	72	77	66	46	49	65	76	66	71	76	70	54	54	61	76	67	57	61	60	61	72	66	...	68.4
	Minimum	36	47	49	52	54	54	50	45	51	48	38	32	34	36	39	44	44	58	40	33	36	48	47	34	36	43	40	30	36	36	...	42.6
Dix Dam	Maximum	80	79	85	86	88	83	73	70	75	76	70	51	50	65	76	67	72	81	80	59	56	58	76	77	60	61	59	61	73	67	...	70.6
	Minimum	43	48	49	55	55	56	52	46	54	50	49	35	34	39	40	57	46	45	48	43	36	39	37	50	33	34	44	33	34	44	...	44.7
Eubank	Maximum	67	67	73	77	69	80	72	61	62	65	60	45	49	46	74	62	77	73	72	56	54	49	74	66	60	62	53	65	74	64	...	64.2
	Minimum	39	49	52	57	49	56	49	45	46	45	42	30	32	38	40	52	46	48	56	35	25	35	43	48	28	29	29	23	35	46	...	41.7
Frankfort	Maximum	79	79	84	88	88	82	70	70	77	77	72	49	49	65	76	69	70	79	73	58	55	59	57	60	75	72	60	58	65	71	74	71.0
	Minimum	34	45	47	55	55	55	50	42	47	46	43	32	32	41	37	52	38	48	55	40	33	36	44	47	32	32	46	29	33	41	...	42.0
Franklin	Maximum	83	83	86	90	86	85	64	68	77	81	75	52	56	76	75	63	77	82	83	65	63	62	82	79	66	66	59	64	78	67	...	73.2
	Minimum	44	54	57	58	53	70	49	50	49	55	47	36	36	40	53	56	46	50	59	42	36	44	47	52	37	40	49	35	37	45	...	47.5
Glasgow	Maximum	81	72	84	88	84	68	68	68	76	78	68	48	50	66	68	60	60	76	76	56	54	56	78	78	58	59	59	54	65	63	...	66.6
	Minimum	41	50	53	54	62	62	50	48	48	49	48	36	34	38	47	56	47	53	53	40	30	35	42	51	35	34	46	33	38	45	...	45.1
Greensburg	Maximum	81	82	85	89	88	84	71	74	76	78	73	50	52	71	78	65	75	83	76	60	60	61	78	72	64	62	62	66	75	66	...	71.9
	Minimum	37	55	48	51	52	55	50	45	48	48	48	34	34	34	40	55	41	44	58	48	38	32	39	50	30	30	48	30	32	42	...	42.8
Irvington	Maximum	79	77	82	85	84	78	70	69	74	76	69	49	50	67	75	70	79	73	58	66	63	66	71	66	56	56	56	60	72	65	...	69.1
	Minimum	37	47	58	59	57	62	49	49	49	59	44	34	36	38	50	52	43	51	56	41	35	42	48	46	35	37	47	32	40	48	...	46.0
Leitchfield	Maximum	79	77	82	87	85	80	65	68	74	78	71	49	51	68	75	65	72	79	72	57	57	60	76	70	60	57	55	60	78	68	...	68.9
	Minimum	40	49	58	68	57	60	49	48	49	53	44	35	35	38	50	52	44	52	57	41	34	40	48	48	34	38	45	32	38	46	...	45.7
Lexington	Maximum	79	78	84	86	88	83	62	68	74	76	68	46	47	64	76	69	70	78	66	50	55	59	76	61	56	59	51	58	75	71	...	67.3
	Minimum	37	46	50	56	54	56	48	44	50	52	46	32	31	38	42	51	43	46	51	41	33	38	46	47	34	37	45	30	36	47	...	43.5
Louisville	Maximum	79	78	82	87	82	77	64	70	75	75	67	48	48	64	75	64	70	77	68	50	51	64	76	60	50	54	52	60	73	69	...	67.2
	Minimum	37	51	58	62	55	49	48	48	53	50	38	33	37	41	49	49	45	52	50	40	37	42	48	42	38	41	40	35	42	51	...	45.7
St. John	Maximum	75	79	80	88	84	80	70	70	77	81	66	50	45	70	74	64	74	78	70	49	49	58	75	74	60	56	56	60	72	65	...	68.2
	Minimum	30	35	36	53	54	56	47	45	47	52	42	30	34	37	44	55	40	48	54	38	35	34	48	46	30	33	45	30	33	43	...	42.7
Shelbyville	Maximum	78	82	86	85	81	77	65	68	75	78	65	49	46	62	76	74	69	75	74	54	54	50	74	67	57	54	55	61	74	71	...	70.9
	Minimum	34	52	58	54	53	59	48	44	48	50	40	33	31	37	45	40	40	46	54	39	32	36	43	45	32	35	42	29	39	46	...	42.2
Taylorsville	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Williamstown	Maximum	80	80	85	88	88	80	67	74	78	77	74	47	49	65	76	73	74	80	76	60	53	55	76	74	67	58	54	64	75	75	...	70.9
	Minimum	32	45	50	62	50	57	46	42	50	54	38	29	30	39	39	55	39	42	52	37	32	35	49	42	29	40	41	26	39	44	...	42.2
Eastern Division.																																	
Ashland	Maximum	78	78	83	83	83	84	82	70	75	77	76	47	47	60	78	74	68	78	71	62	54	63	76	72	57	56	58	56	73	73	...	69.6
	Minimum	38	49	45	54	49	57	50	40	53	55	44	33	34	42	47	57	47	46	58	44	32	38	52	52	36	41	46	31	36	52	...	44.4
Berea	Maximum	80	80	79	85	87	83	73	71	79	80	69	45	50	65	76	65	72	78	69	63	52	62	76	71	56	57	53	61	74	70	...	69.4
	Minimum	32	49	53	61	57	60	50	46	50	55	42	30	32	39	45	54	45	47	58	38	34	41	49	48	34	39	42	27	37	46	...	45.2
Farmers	Maximum	85	78	82	85	86	81	81	75	74	77	81	44	47	64	71	70	71	79	74	60	61	59	71	74	56	57	53	57	71	76	...	69.6
	Minimum	34	43	44	49	52	54	50	39	50	48	40	30	31	40	38	54	30	40	58	36	30	36	44	41	30	32	38	24	31	45	...	40.4
Harlan[§§]	Maximum	76	80	82	82	83	82	82	73	71	76	79	75	76	74	74	73	64	76	76	65	60	64	72	70	60	70	59	66	67	67	...	72.2
	Minimum	42	52	46	48	62	62	60	42	62	44	52	36	30	38	37	55	52	42	66	39	33	32	44	51	35	36	38	32	33	39	...	45.5
Hebbardsburg	Maximum	81	83	86	87	88	85	71	76	76	79	70	45	49	66	76	65	71	80	75	61	52	64	76	73	55	65	60	70	73	76	...	[b]70.9
	Minimum	38	45	45	50	51	54	55	44	53	48	43	33	32	36	36	55	52	42	66	39	33	32	44	51	35	36	38	29	34	48	...	43.1
Maysville	Maximum	80	78	84	84	88	83	70	73	75	76	74	44	48	63	77	76	71	79	76	61	50	57	75	70	56	55	58	60	77	75	...	69.7
	Minimum	42	48	46	61	51	56	49	42	46	46	41	32	31	43	42	51	38	42	56	40	35	41	49	46	31	35	43	29	34	48	...	42.9
Middlesboro	Maximum	83	73	82	78	85	78	78	71	...	67	67	57	51	69	69	66	69	75	65	55	62	73	76	69	70	68	61	62	66	...	[a]69.9
	Minimum	37	46	44	45	49	55	58	45	...	39	51	31	33	31	35	52	53	44	56	38	32	30	50	56	34	29	44	29	36	45	...	[a]40.9
Mount Sterling	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Pippapass	Maximum	82	83	87	84	88	87	86	75	72	80	72	54	48	64	79	72	62	81	75	65	55	57	75	73	63	69	58	63	75	73	...	72.2
	Minimum	39	51	41	49	50	51	52	42	53	49	51	32	30	34	36	54	51	44	54	41	25	31	46	46	35	31	42	28	36	50	...	42.8
Quicksand	Maximum	86	82	85	86	79	85	80	76	75	79	71	47	49	65	77	69	71	82	68	61	55	61	76	72	66	65	55	63	76	73	...	71.4
	Minimum	35	46	48	46	49	52	50	41	50	41	44	31	29	28	34	52	43	41	56	38	33	31	43	39	32	29	39	24	27	43	...	40.3
Richmond	Maximum	77	80	82	85	87	80	63	68	74	76	78	66	46	62	65	77	60	76	80	68	54	55	61	76	62	60	59	64	77	69	...	69.8
	Minimum	43	50	50	63	58	60	52	43	52	62	60	36	34	40	45	66	45	45	60	40	35	40	49	50	35	40	47	30	42	51	...	47.2
Williamsburg	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	42	51	51	52	54	52	54	47	52	45	50	33	35	51	42	54	53	48	54	38	33	34	51	47	33	35	50	31	40	49	...	46.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[a], [b], etc. indicate respectively 1, 2, etc. days missing from record

W. B. of Louisville, 8-26-34, 1100

105
KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

Library of the
MAY 5 1934

13 KENTUCKY SECTION.

J. L. KENDALL.

VOL. XXXIX LOUISVILLE, KY., MAY, 1934 No. 5

GENERAL SUMMARY.

The shortage of rainfall, accompanied during most of the month by relatively high temperature, brought near-drought conditions to many districts. The lack of sub-soil moisture began to show early in the month in the diminishing growth of forage crops and pastures. As usual when these conditions prevail, types of soil and topography contributed largely to the increasing irregularity in crop development.

Moderate to heavy rains near the middle of the month greatly improved the situation in the central and northeastern counties, where local water supplies had become so depleted that considerable hauling had been required. These rains revived pastures temporarily, but lack of subsoil reserve soon checked growth. The seed bluegrass crop was seriously damaged.

As a rule moisture in the well-worked soils remained sufficient to bring up corn. Land broken late and not well pulverized lost its moisture so rapidly to the dry atmosphere that germination of corn planted in it became uncertain. This condition existed mainly in the hills and eastern counties. Most corn was planted in good time in soil thoroughly prepared and came up to a satisfactory stand. Except for slow growth it suffered no injury from the dry weather. Stands of cowpeas and soybeans, sown on land withdrawn from corn production, were adversely affected.

Wheat, rye and barley on level lands or strong upland soils made good progress and the heads filled. On the thinner soils and hills, mainly in the eastern half of the State, growth became irregular, the straw was shortened, and heads failed to fill completely. Oats made a poor start and were plowed up in many places.

Tobacco plants were grown in part by artificial watering. As they often lacked sufficient moisture they developed slowly and irregularly. Transplanting began about the middle of the month, and continued by machine on the smooth lands but awaited rain in the hilly sections. Gardens, truck, potatoes, and strawberries made poor to fair progress, almost always lacking enough moisture to produce seasonal growth.

TEMPERATURE.

Except for a few cool days about the middle of the month and a longer period of cool weather near the end, mean temperatures ranged from 5° to 15° above normal. The cool spell late in the month delayed the intensifying of drought and favored the machine setting of tobacco. The extremes were 99° on the 31st at Lovelaceville and Williamstown, and 36° on the 26th at Farmers.

PRECIPITATION.

Precipitation for the State averaged considerably less than half of the normal amount for this month, and was very irregularly distributed. Several southwestern counties received from 2.0 to 4.0 inches. Limited areas in the bluegrass region and north-central section reported from 2.0 to 3.0 inches; but in most of the central and eastern districts amounts ranged between 1.0 and 2.0 inches. A large area in the southern bluegrass region and westward from the lower Green received less than an inch. In the period 14-16th good showers occurred generally over the State. Good rains were also reported from some western counties on the 5th. Scattered showers occurred in the periods 10-11th and 22d-25th. Rainfall ranged between 0.51 inch at Ford in Clark County and 5.23 inches at Murray in Calloway County. Days with thunderstorms were: 4, 5, 10, 14, 21.

MISCELLANEOUS.

May 10.---A horse and rider were killed by lightning near Morehead.

May 14.---A farmer and his team were killed by lightning while working in the field near Princeton.

Rivers.—Stages remained low and the flow of streams fell off decidedly during the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Relative humidity Date	7 a. m.	1 p. m.	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.99	30.34	1	29.64	30	7.2	28	n.	24	74	44	46	85
Cincinnati ..... Ohio	30.02	30.41	1	29.66	29	6.6	41	w.	10	66	40	43	81
Evansville ..... Ind.	30.01	30.38	1	29.65	30	7.3	24	n.	24	63	42	49	79
Louisville ..... Ky.	30.03	30.42	1	29.66	30	8.4	30	n.	24	67	41	49	79

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889....	63.6	− 1.7	94	28	4.03	+0.07	7.01	2.46	....	..	..	..	..
1890....	63.9	− 1.4	93	32	4.22	+0.26	7.27	2.69	....	..	..	..	..
1891....	62.6	− 2.7	90	29	1.78	−2.18	4.39	0.65	....	..	..	..	..
1892....	64.6	− 0.7	90	36	5.49	+1.53	10.05	2.69	....	..	..	..	..
1893....	63.2	− 2.1	96	37	5.59	+1.63	10.41	2.59	....	..	..	..	..
1894....	64.5	− 0.8	99	32	3.54	−0.42	6.23	1.86	....	..	..	..	..
1895....	63.9	− 1.4	90	29	3.16	−0.80	6.62	1.44	....	8	12	10	8
1896....	72.2	+ 6.9	106	42	5.24	+1.28	11.78	1.65	..	11	14	11	6
1897....	61.4	− 3.9	92	32	3.27	−0.69	6.04	1.09	T.	10	11	9	7
1898....	67.6	+ 2.3	93	31	4.52	+0.56	6.46	2.50	0.2	10	14	11	6
1899....	68.8	+ 3.5	94	42	4.79	+0.83	8.16	2.10	0	11	11	12	8
1900....	66.3	+ 1.0	96	29	3.49	−0.47	6.19	0.8	0	10	15	8	8
1901....	63.7	− 1.6	97	34	2.65	−1.31	4.41	1.21	0	10	12	9	10
1902....	70.0	+ 4.7	98	35	3.55	−0.41	7.09	1.37	0	9	17	9	5
1903....	68.0	+ 2.7	98	29	3.09	−0.87	6.18	0.52	0	8	15	10	6
1904....	65.0	− 0.3	98	33	3.05	−0.91	6.93	1.06	0	10	14	9	8
1905....	68.0	+ 2.7	95	38	5.23	+1.27	8.17	2.09	0	11	12	9	10
1906....	69.5	+ 4.2	95	31	2.54	−1.42	5.10	0.63	T.	9	16	7	8
1907....	61.3	− 4.0	93	30	5.07	+1.11	9.58	2.36	0	12	12	7	12
1908....	66.7	+ 1.4	96	28	4.34	+0.38	7.40	2.46	0	12	13	8	10
1909....	63.9	− 1.4	93	27	4.64	+0.68	7.10	2.75	T.	12	13	7	11
1910....	61.1	− 4.4	89	30	4.31	+0.85	7.61	2.18	0	12	13	6	12
1911....	69.4	+ 4.1	105	29	2.46	−1.50	4.82	0.48	0	6	22	5	4
1912....	66.7	+ 1.4	97	37	4.53	+0.57	7.93	2.18	0	10	16	6	9
1913....	66.1	+ 0.8	99	29	2.92	−1.04	5.85	0.68	0	8	16	7	8
1914....	66.5	+ 1.2	103	32	2.16	−1.80	4.05	0.65	0	5	20	6	5
1915....	65.2	− 0.1	95	35	6.62	+2.86	8.89	3.94	0	15	9	8	14
1916....	67.2	+ 1.9	98	33	4.02	+0.06	7.16	2.07	0	9	14	9	8
1917....	58.9	− 6.4	92	30	3.43	−0.53	7.62	1.34	0	10	12	8	11
1918....	69.4	+ 4.1	97	28	4.29	+0.33	7.40	1.78	0	8	16	8	7
1919....	63.9	− 1.4	95	35	6.05	+2.09	11.62	3.81	0	14	9	8	14
1920....	64.2	− 1.1	94	32	4.08	+0.12	7.24	2.03	0	11	13	7	11
1921....	65.9	+ 0.6	97	32	2.45	−1.51	5.85	1.12	0	8	16	6	7
1922....	67.9	+ 2.6	94	35	3.87	−0.09	7.41	1.80	0	10	14	10	7
1923....	63.9	− 1.4	91	27	3.98	+0.02	9.55	1.45	T.	13	11	8	12
1924....	59.9	− 5.4	92	34	5.04	+1.08	8.37	2.30	0	14	10	9	12
1925....	61.2	− 4.1	88	28	2.61	−1.35	4.85	0.77	T.	8	18	8	7
1926....	68.2	+ 0.9	101	31	2.36	−1.60	5.82	0.17	0	7	17	8	6
1927....	65.7	+ 0.4	93	31	7.41	+3.45	12.56	3.32	0	16	10	16	11
1928....	63.2	− 2.1	84	29	3.55	−0.41	6.99	1.66	0	9	16	7	8
1929....	64.1	− 1.2	88	32	7.35	+3.39	11.21	4.86	T.	14	12	8	11
1930....	66.5	+ 1.2	94	33	2.96	−1.00	6.38	0.53	0	9	18	8	5
1931....	62.7	− 2.6	87	36	2.59	−1.37	5.60	0.98	0	11	17	8	11
1932....	65.1	− 0.2	92	33	1.35	−2.61	3.96	0.13	0	6	18	8	5
1933....	68.7	+ 3.4	95	40	6.43	+2.47	10.46	3.47	0	15	11	9	11
1934....	67.7	+ 2.4	99	36	4.67	+2.20	5.23	0.51	0	5	20	6	5
Period	65.3	.....	106	27	3.96	.....	12.56	0.13	T	10	14	9	8

Climatological Data for May, 1934.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	With .01 or more.	Clear.	Pt. cloudy.	Cloudy.		
Eighth Division.																				
Bardwell	Carlisle	441	30																	Mrs. Lena F. Taylor.
Calvert	Mclean	407	30	69.4	+ 2.3	96	31	43	25	41	2.12	−1.84	0.88	0	4	16	11	4	sw.	W. A. Taylor.
Centertown	Hopkins	420	44	69.5	+ 2.6	95	31	41	26	42	3.52	−0.81	1.52	0	6	25	2	4	n.	Brick Southworth.
Dam 50	Hopkins	366	5								0.61		0.24	0	4					Lockmaster.
Lock and Dam 50	Marshall	379	17	67.2	+ 2.5	92	31	42	25	41	2.05	−1.87	0.66	0	4	22	8	1	s.	C. R. Lovell.
Owensboro	Daviess	382	20	69.6		97	31	42	24†	41	1.50	−2.53	0.58	0	3	24	4	3	s.	Richard Stites
Henderson	Henderson	382	20	69.6	+ 1.8	96	31	44	25†	41	2.46	−2.03	0.65	0	6	18	6	7	ne.	W. B. Graves.
Hopkinsville	Christian	524	38	68.0	+ 1.8	96	31	44	25†	41	2.62		0.46	0	4	24	6	1	s.	Blaine Malone.
Louisville	Jefferson		5	69.0		99	31	43	25‡	36	0.92		0.46	0	4				s.	B. C. Paris.
Nelson	Crittenden	571	35	71.0	+ 4.3	98	31	40	25	36	0.78	−3.56	0.55	0	2	17	10	4	s.	Mrs. C. R. Sowell.
Maxwood	Grayson	561	25	68.7	+ 2.5	95	31	45	25	36	2.57	−2.02	1.45	0	3	24	6	1	ne.	Harry B. Arnold
Mayfield	Calloway	412	8	68.6		97	24	43	26	43	5.23		2.27	0	5	20	9	2	s.	Henry S. Berry.
Owensboro	Daviess	479	37	67.3	+ 1.7	96	31	41	25	45	1.07	−2.04	0.65	0	4	25	3	3	s.	Lockmaster.
Owensboro, Dam 46	Daviess	404	6								0.91		0.47	0	6					C. J. Rhodes.
Paducah	McCracken	316	17								1.62	−2.08	0.99	0	4	17	10	3		J. W. Lilley
Paducah, Cigar §	McCracken	341	45								1.14	−3.63	0.85	0	2					Dr. W. L. Cash.
Princeton	Caldwell	529	27	70.4	+ 3.7	96	31	43	25	41	2.35	−2.26	1.50	0	6	23	7	1	n.	Lockmaster.
Rumsey, Lock 2	McLean	384	17								2.22	−1.62	1.08	0	6					Wm. Skelton.
Russellville	Logan	599	23	67.2	+ 1.3	91	9*	41	26	36	1.96	−1.03	1.52	0	4	24	5	2	n.	Lockmaster.
Smithland, Dam 49	Union	357	6								2.05		1.65	0	4					
Ninth Division.																				
Addison, Dam 49	Breckinridge	352	6								2.42		1.07	0	7					Lockmaster.
Ancrum	Jefferson	509	32	65.2	+ 1.5	89	9	42	23	36	1.17	−2.32	0.78	0	2	22	6	3	sw.	C. E. Barrett.
Arcadia	Nelson	637	37																	Mrs. Emily T. Susco.
Bardstown	Nelson	637	37																s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	559	45	68.7	+ 1.3	91	30	46	27	37	1.36	−3.05	0.54	0	6	20	6	5		
Bowling Green, Sec. 2	Warren	499	9								1.26		0.59	0	6					Lockmaster.
Bowling Green, Lock 6	Warren	476	17								1.56	−3.54	0.80	0	7					Lockmaster.
Brooksville	Bracken	773	33								1.64	−2.35	0.82	0	6					C. A. Lewis
Burnside	Pulaski	778	33								1.05	−2.46	0.64	0	5					Lockmaster.
Carrollton, Lock 1	Carroll	420	25								0.88		0.24	0	6					Lockmaster.
Coal Spring, Dam 36	Campbell	489	5								0.60		0.22	0	8	16	9	6	s.	Ralph C. Wyatt.
Danville	Boyle	940	1	66.4		92	20	43	25†	38	0.56		0.24	0	4	27	2	2	s.	C. W. Williams.
Dix Dam, Burgin	Mercer	770	6	68.6		94	20	41	26	40	0.66	−3.72	0.26	0	3	13	10	8	n.	Mrs. Katie Payne.
Eubank	Pulaski	1477	40	63.6	− 0.4	94	31	40	27	43	2.48	−1.04	1.42	0	7	19	4	8	e.	Lockmaster.
Frankfort	Franklin	560	42	66.7	+ 1.5	92	31	41	26	39	2.48	−1.04	1.42	0	7	19	4	8	e.	Marcus Gatewood.
Franklin	Simpson	691	39	70.6	+ 3.5	95	15†	44	26	37	1.41	−2.56	0.52	0	7	17	11	3	s.	Lockmaster.
Glasgow	Barren	750	8								1.56	−1.89	0.84	0	5					P. L. Beatty.
Glasgow, Lock 3	Barren	430	23					44	26		2.20		1.03	0	5	19	5	7	n.	Lockmaster.
Greenup	Greenup	525	9								1.24		0.71	0	5					Lockmaster.
Grand Rivers	Boone	780	9																	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	881	41	66.2	+ 1.4	93	2-9	38	26	40	3.46	−0.88	1.58	0	6	4	7	20	n.	Lockmaster.
High Bridge, Lock 7	Jessamine	544	32								0.78	−3.07	0.30	0	5					W. J. Piggott
Irvington	Breckinridge	646	38	67.9	+ 2.0	91	31	45	25†	31	1.34	−2.44	0.56	0	3	23	2	6	sw.	Walter Killion.
Lancaster	Garrard	1032	8								0.82		0.22	0	4					H. H. Willis.
Leitchfield	Grayson	835	38	68.2	+ 3.1	91	30	45	25*	34	1.43	−2.67	1.00	0	5	19	10	2	sw.	U. S. Weather Bureau.
Lexington	Fayette	989	56	66.5	+ 1.2	94	21	43	26	35	1.52	−2.49	0.93	0	5	19	7	5	e.	U. S. Weather Bureau.
Lockport, Lock 5	Henry	760	23								0.42	−3.17	0.50	0	3					Lockmaster.
Lockport, Lock 2	Henry	485	23								2.32	1.18	1.72	0	4					U. S. Weather Bureau.
Louisville	Jefferson	525	61	68.6	+ 2.0	91	31	45	25	29	3.25	−0.47	2.79	0	6	14	12	5	n.	Sisters of Loretto.
Lowell	Boone	777	38	66.6	+ 2.3	92	31	41	26	38	1.73	−2.84	0.76	0	6	21	1	9		Lockmaster.
Lock and Dam 54	Mercer	520	20								2.24	−1.37	1.24	0	5					Miss Ruth Hatta,
Shelby City	Shelby	825	45	68.5	+ 3.9	92	20†	45	25	33	1.14	−2.58	0.63	0	6	23	4	4	nw	Elizabeth J. Bourne.
Tarlors Mill	Mercer	840	32																	Lockmaster.
Tyrone, Lock 5	Anderson	524	16								2.52	1.12	1.12	0	5					Miss Nettie B. Simpson.
Williamstown	Grant	912	21	70.2	+ 6.6	93	31	42	16	39	1.53	−2.63	0.91	0	6	22	6	3	w.	
Woodbury, Lock 4	Butler	501	17								3.31	+ 0.47	1.99	0	7					Lockmaster.
Eastern Division.																				
Ashville	Jackson										1.51		0.57	0	9	12	8	11	ne.	W. A. Worthington.
Ashland	Boyd	534	15	66.6	+ 2.7	92	21	42	26	36	1.00	−2.95	0.40	0	5	20	2	9	ne.	Lockmaster.
Beaver	Madison	1670	29	67.5	+ 2.3	92	20	40	26	47	1.21	−2.95	0.42	0	7	21	7	3	e.	Chas. C. Graham.
Berea	Madison	611	24								0.89	−3.19	0.65	0	4					Lockmaster.
College Hill, Lock 11	Madison	611	24								1.70	−1.56	1.10	0	6					P. D. Shoe.
Cynthiana	Harrison	684	16								1.38	−2.18	1.01	0	6					J. V. Oldham.
Falmouth	Pendleton	690	45								1.54	−2.25	0.76	0	4	17	9	5	e.	Mrs. R. F. Stamper.
Farmers	Rowan	668	26	64.6	+ 1.8	91	21	36	26	40	1.11		0.72	0	3					C. A. Glascock
Flemingsburg	Fleming	841	9								0.51	−2.85	0.26	0	4					Lockmaster.
Ford, Lock 10	Clark	737	18																	Col. Frank Powers
Grayson	Carter	569	9								1.05	−2.53	0.56	0	6					Lockmaster.
Greenup, Dam 30	Greenup	546	14								2.56		1.35	0	6	20	5	6	n.	W. W. Duffield.
Harlan	Harlan	1137	6	65.2		89	15†	40	26	37	1.56		0.84	0	8					Chas. O. Birig.
Heard	Perry	869	10								2.00	−1.88	1.03	0	6	20	4	7	e.	Lockmaster.
Hendrysburg, Lock 14	Lee	963	17	66.5		95	21	39	26	43	0.93		0.76	0	3					R. K. Davidson.
Jenkins	Letcher	1566	10								2.14	−1.93	0.80	0	6					Lockmaster.
Louisa	Lawrence	584	30								2.37	−0.65	1.10	0	6					Jeanett H. White.
Manchester	Clay		14								1.69	−2.26	0.63	0	5	17	9	5	se.	Lockmaster.
Maysville	Mason	524	37	68.6	+ 4.0	94	20	44	12†	37	0.89	−3.29	0.38	0	4	19	11	1		Matthew Woodson
Middlesboro	Bell	1128	38	68.0	+ 3.5	95‡	20	42‡	2†	41‡										W. R. Mckee.
Mount Sterling	Montgomery	960	44								0.71	−2.52	0.27	0	6					Lockmaster.
Oneonta, Dam 38*	Campbell	497	7								2.05		0.88	0	8					Manuel Robinson.
Prestonsburg	Floyd	567									2.48	−0.94	0.95	0	6					Robert Repass
Pikeville	Pike	696	28								1.28		0.58	0	6	25	3	3		F. W. Summerfield.
Pineville	Knox	1035		66.4		94	20	37	26	44	1.33		0.75	0	4					R. W. Jones.
Quicksand	Breathitt	752	8	66.2		94	20	37	26	45	2.54	−1.60	1.76	0	8					Lockmaster.
Riverton, Lock 12	Estill	631	16								1.47	−2.67	0.61	0	5	20	3	8		J. W. Crooke.
Richmond	Madison	926	43	68.7	+ 3.1	91	21	44	25	29	0.72	−3.85	0.30	0	5					Lockmaster.
Valley View, Lock 9	Madison	871	21								1.51	−2.07	0.50	0	5					Lockmaster.
Vanceburg, Dam 32	Lewis	529	10								1.80		0.80	0	4					C. B. Zimmerman.
Wayland	Floyd	1142	9								1.77	−2.33	0.49	0	6	15	10	0		H. F. Davis.
Williamsburg	Whitley	925	37			96p	31	40	26	45p	1.31	−2.79	0.78	0	6					Lockmaster.
Wilson, Lock 13	Lee	646	15								1.47	−2.29	2.79	0	5	20	6	5	s.	
State averages and extremes				67.7	2.4	99	31	36	26	47										

Air temperature data are given from only representative thermometers.

Precipitation data are computed only for such stations as have ten or more years of record, but all complete reports are published.

Temperature from normal temperatures and precipitation are computed from Locks on the Green River; other Locks are on the Kentucky River

Letter in table indicates section or division records. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, † represents two days, etc. ‡ Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.

* Also on other dates. 9 Received too late to be included in means and summaries. † Precipitation on 30 days.

* Post Office address: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky. Oneonta, California, Ky.

Daily Precipitation for May, 1934

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Paducah	C				.88					T				.70	.41						T	.07		T								
Carlisle	C				1.09	.85									1.52	.02																
Lords Ferry Dam 50	O				.24	.24	T.							T	.11	T						T										
Greenville	O				.06									.61	.63																	
Henderson	O				.10									.08	.20																	
Hopkinsville	C				.28	.22				.65	.24				.04	.02																
Lexington	M			.12	.18	.16									.46																	
Marion	O				.55									.15																		
Mayfield	M				1.45	.07								T	1.07						T											
Murray	T.	T.		T	1.32	T				T				.21	1.35						2.27	.18										
Owensboro	O				.03	.33								.06	.65							1										
Owensboro, Dam 46	O				.03	.32									.47	.02						.03										
Paducah	O				.38	.03									.56	.02																
Paducah (near) *	O													.86	.29																	
Princeton	C			.28	1.50					.75				.25	.20						.03		T									
Ramsey, Lock No. 2	C				.37	.53					.06			.13	1.05							.04										
Russellville	C					.24					.17			.03	.52																	
Uniontown, Dam 49	O				.05	.22								.15	1.65	T.																
Central Division																																
Addison, Dam 45	O				.24	.71								.26	1.67	.29						.06		.04								
Anchorage	O				T.									.09	.78								T									
Bardstown																																
Bowling Green	O					.02					.40			T	.51	.21						.17										
Bowling Green, No. 2	O					.08					.45				.59	.07																
Brownsville, Lock No. 6	O					.12				.03	.80				.52	.20						.20		.03								
Burnside	T.					.04					.14				.35	T.	T.					.40		T								
Carrollton (Lock No. 1)	K				.51						.15			.24	.51	.26																
Cold Spring, Dam 38	O	T.				.18					.1			.04	.22	.16								.18								
Danville	K	.02			.05	.61				.22				.32	.19						.09		.01									
Dix Dam, Burgin	K								.10	.09					.24	.12																
Eubank	C					.19									.21								.26									
Frankfort	K					.04				.17	.36			.18	1.42	.36						T		.10								
Franklin	C				.12	.01				.05				.53	.50						.02	.1										
Gest, Lock No. 3	K					.10					.14				.91	.27								.11								
Glasgow	O				.3					.48				.20	1.03	T						.19										
Grant, Dam 34	O	T.			T	.71					T			.07	.22	.16																
Greensburg	C						1	.58				.24			.07	.58						1.0		.03								
High Bridge, Lock No. 7	T.									.04	.30				.22	.11						T.	T	.08								
Irvington	O				.2									.56	.72							T.	T									
Lancaster	K	.04									.50				.23							.17										
Leitchfield	C					.10				.03				1.00	.10							.26	T									
Lexington ***	K	T.			T					.13				.07	.49						.01	.04	T.									
Little Kinniconick, Lock No. 8	K										.30				.50	.12						T		.05								
Lockport, Lock No. 2	K			T.						.10				1.72	.15								.15									
Lorisville ***	O				.04					.01				2.55	.68								.01	.01								
St. John	K					.20					.14			T	.72	.26						.40		.02								
Salyers, Lock No 6	K									.20	1.21				.48	.15						.15										
Shelbyville	C									.16	.03			.04	.03	.31								.05								
Taylorsville	C																															
Tyrone, Lock No. 5	K									1.12				1.03	.24							.03		.10								
Williamstown	K						.13				.07			.04	1.81	.26								.12								
Woodbury, Lock No. 4	C					.19					.16			.57	1.99	.07						.91		.02								
Eastern Division																																
Annville	C					.07	.02			.03	.57				.53	.02	.02							.06									
Ashland	O										.31				.23	.40						.03		.03								
Berea	K				.02				.24	.05				.37	.42		.02					.11										
College Hill, Lock No. 11	K									T.	.08			.03	.65	.10							T.						T.			
Cynthiana	K									.06	.20			.04	1.16	.20						.08	T									
Falmouth	L	T.				.01					.03			.08	1.01	.29								.07								
Farmers	L										.32				.41	.76						.09										
Flemingsburg	L										.07				.72	.30																
Ford, Lock No. 10	K						T.				.26				.14	.09						T	.2	T.								
Grayson	O																															
Greenup, Dam 30	O										.15				.07	.56						.12	.11	.04								
Harlan	C	.10				.05					.68					.30	.08						1.36									
Hazard	K				.02					.06	.70				.05	.84						.04		.05					.10			
Heidelberg, Lock No. 14	K									.11	.38			1	.02	.20								.01					.27			
Jenkins	K							.07						.10								.70										
Louisa	B										.80				.20	.20						.06		.10								
Manchester	K				.12						.02			1	.10	.45								.04					.04			
Maysville	O										.09				.61	.31						.03		.03								
Middlesboro	C										.08				.88	.37													.11			
Mount Sterling	L																															
Oneonta Dam 35	O	T.				.09					.01				.07	.27	.19							.08								
Paintsville	B					.01					.88				.02	.26	.21						.02	.17					.18			
Pikeville	B						T.				.68					.18	.25					T.	.05		.23				.15			
Pippapass	K					.04					.56					.58							.01		.08				.04			
Quicksand	K										.75					.24									.18				.16			
Ravenna, Lock No. 12	K	T.	T.			.07	T.			.26	T.			.10	1.76	.09	T.					.11	.07	T.					.08			
Richmond	K									.22	.12				.64	.08						.01										
Valley View, Lock No. 9	K	.03								.28				.30	.07						.04											
Vanceburg, Dam No. 32	O										.50				.46	.43							.07	.05								
Whitesburg	K					T.		.80								.02						.80							.18			
Williamsburg	C	.19									.49				.85	.45							.23						.01			
Willow, Lock No. 13	K								.08	.20		.05	.78	.08														.12				

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

1 Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

2 Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. *Lone Oak

Daily Temperatures for May, 1934.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Calhoun	Maximum	76	81	86	86	78	82	89	87	89	81	78	79	86	79	68	71	80	85	89	90	88	84	79	76	69	74	77	79	85	91	96	81.9
	Minimum	58	58	54	55	62	61	60	61	58	69	54	52	54	64	58	54	50	56	57	61	61	74	52	52	43	49	61	51	57	56	55	57.0
Earlington	Maximum	78	82	85	88	84	85	90	89	91	87	79	82	88	80	74	73	82	87	90	93	91	85	80	76	72	76	78	82	85	98	95	83.9
	Minimum	58	53	50	52	62	62	57	63	55	70	52	50	70	63	60	55	47	57	56	60	61	66	58	49	43	41	42	45	48	55	53	55.1
Greenville	Maximum	76	80	88	85	78	81	86	84	..	..	87	81	85	84	67	68	79	83	88	91	87	83	79	81	69	73	76	78	88	90	92	*81.2
	Minimum	54	52	49	57	60	60	56	61	..	..	50	49	54	60	57	55	46	54	55	59	57	64	58	47	42	45	45	45	57	53	51	*53.3
Henderson	Maximum	75	67	83	87	77	84	91	86	90	80	81	80	72	87	88	72	82	86	88	91	91	87	80	74	76	81	79	83	91	93	97	83.3
	Minimum	54	55	57	59	60	60	60	68	59	68	55	52	51	61	56	54	50	57	59	63	65	66	51	42	42	48	51	52	57	59	56	56.0
Hopkinsville	Maximum	77	82	85	80	80	78	90	89	91	84	79	82	88	82	68	73	79	85	89	91	89	85	83	85	73	77	80	79	88	95	96	83.2
	Minimum	56	55	50	53	61	61	58	63	58	65	50	51	52	62	58	53	49	53	55	59	61	64	54	48	44	44	45	50	53	55	55	54.7
Lovelaceville	Maximum	77	82	85	86	80	80	88	87	91	83	83	86	91	84	74	74	84	87	90	93	92	87	87	85	71	74	78	81	90	98	99	84.5
	Minimum	58	55	52	56	61	62	57	62	58	65	47	49	49	62	56	53	46	52	54	56	58	59	55	48	43	43	44	44	50	58	53	53.4
Marion	Maximum	79	82	85	86	88	83	83	89	91	80	79	84	90	80	68	72	79	89	90	92	92	84	81	85	80	74	79	80	84	95	98	83.9
	Minimum	69	60	62	60	62	61	61	62	65	67	54	54	52	68	54	54	49	59	60	63	66	65	55	66	40	44	48	50	56	62	62	56.2
Mayfield	Maximum	78	78	80	82	78	76	82	81	85	84	81	80	85	83	75	73	76	79	82	87	85	80	77	81	73	69	74	75	82	92	95	80.0
	Minimum	63	56	55	61	63	63	62	62	65	66	62	54	55	63	58	55	49	58	60	63	63	64	58	53	45	47	50	51	54	63	59	57.4
Murray	Maximum	80	83	86	90	80	81	89	89	93	92	87	81	85	89	82	71	74	82	86	90	93	97	88	81	83	71	75	77	80	86	92	85	84.2
	Minimum	46	47	46	52	62	61	57	61	57	65	48	50	46	62	57	54	45	52	55	61	57	61	57	50	44	43	45	44	49	55	53	53.0
Owensboro	Maximum	75	80	83	85	77	81	88	86	89	77	74	78	86	80	70	68	78	82	85	90	89	82	77	73	69	74	77	80	86	91	96	80.9
	Minimum	54	51	50	53	61	58	57	57	55	64	52	51	49	61	56	52	48	53	55	59	60	64	51	52	47	41	46	49	55	56	51	53.7
Princeton	Maximum	80	84	87	85	88	84	91	91	92	82	80	84	90	81	71	76	87	88	92	92	93	85	81	79	71	75	77	81	85	93	96	84.7
	Minimum	55	55	51	55	61	63	59	63	58	66	52	54	50	64	59	56	49	55	58	61	61	65	58	50	43	47	51	48	56	58	55	56.0
Russellville§§	Maximum	76	81	85	88	80	78	87	85	91	84	77	82	84	86	65	68	80	83	89	91	89	81	76	80	68	73	64	77	80	88	91	80.9
	Minimum	47	54	50	52	57	59	56	62	55	67	51	49	55	57	60	54	49	54	55	59	60	65	55	46	47	41	44	45	50	52	54	53.6
Central Division.																																	
Anchorage	Maximum	74	80	84	81	78	81	87	81	89	81	71	79	81	71	66	65	75	80	84	87	86	80	72	69	65	79	72	76	80	86	88	78.1
	Minimum	43	58	48	53	58	56	57	55	55	57	56	54	53	61	56	48	45	54	55	59	61	63	42	46	43	46	46	45	50	50	55	52.4
Barlstown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Bowling Green	Maximum	79	81	85	86	82	80	84	86	90	83	78	81	87	81	73	69	81	86	90	90	89	83	80	78	70	75	75	80	82	91	90	85.2
	Minimum	50	52	52	56	60	55	57	59	56	66	53	60	51	61	62	52	53	55	57	60	62	63	54	50	47	55	56	48	56	54	58	55.2
Danville	Maximum	74	80	83	86	82	83	88	81	89	88	72	76	86	83	67	68	80	85	89	92	91	82	76	76	68	72	74	76	79	86	91	80.6
	Minimum	46	46	54	54	57	59	52	53	64	68	46	49	57	58	61	47	47	47	60	63	63	48	44	45	43	43	47	55	55	61	53	52.9
Dix Dam	Maximum	77	82	85	88	83	84	90	86	91	89	73	87	86	72	68	70	83	86	90	94	94	92	80	77	68	72	74	76	80	87	93	82.5
	Minimum	50	48	49	56	70	59	78	51	66	66	57	47	46	67	66	50	54	54	56	60	63	67	51	46	46	41	43	45	53	50	55	54.8
Eubank	Maximum	68	68	82	81	80	79	86	85	87	78	72	66	74	78	69	62	61	86	87	92	89	83	79	73	74	76	76	77	73	91	94	78.3
	Minimum	46	47	46	47	46	50	53	56	57	53	49	44	45	46	57	50	49	49	54	57	55	50	46	44	44	42	40	41	54	52	51	49.0
Frankfort	Maximum	78	88	86	89	81	84	91	82	91	84	72	76	85	82	69	69	80	85	89	90	91	85	77	73	67	72	74	78	88	87	94	81.6
	Minimum	49	47	48	56	54	56	56	48	55	66	57	48	49	60	58	49	46	52	50	58	61	68	47	45	45	41	42	44	51	49	55	51.9
Franklin	Maximum	80	86	87	90	89	76	91	89	93	86	80	87	90	89	70	70	81	89	95	95	90	88	87	83	70	77	76	80	84	91	95	84.9
	Minimum	50	58	54	58	62	61	58	60	59	62	55	52	55	66	55	55	53	56	59	63	64	65	55	50	19	44	45	48	55	55	58	56.4
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	47	52	55	48	52	57	59	60	55	65	52	49	51	63	61	53	59	55	56	60	60	64	53	46	46	44	45	48	57	49	55	54.1
Greensburg	Maximum	78	83	85	86	83	76	89	86	91	84	77	80	82	85	77	71	79	85	89	93	93	86	80	80	67	74	68	78	74	85	95	81.6
	Minimum	45	45	47	50	52	55	55	56	51	65	50	46	46	57	59	50	56	51	54	57	57	63	50	44	42	38	41	43	48	47	43	50.7
Irvington	Maximum	76	81	83	85	77	81	87	83	88	85	74	78	85	81	68	68	78	81	86	89	88	82	74	74	69	71	74	78	78	84	91	79.7
	Minimum	52	56	52	57	63	68	60	57	56	69	57	50	57	63	66	60	54	56	59	62	62	65	49	49	45	45	48	50	56	55	60	56.1
Leitchfield	Maximum	75	82	85	86	78	81	89	85	91	86	78	79	86	78	65	68	78	83	88	91	89	81	75	76	67	72	74	77	83	88	91	80.7
	Minimum	54	54	54	57	64	57	58	58	57	68	55	50	53	61	57	51	54	57	59	63	64	64	51	48	45	45	48	50	53	51	59	55.6
Lexington	Maximum	77	80	82	86	86	85	87	84	90	80	70	74	83	80	64	68	78	88	87	90	91	82	72	74	67	70	73	67	78	86	90	79.5
	Minimum	51	50	51	55	59	61	60	49	57	63	53	47	50	60	57	46	47	51	57	61	63	65	48	47	44	43	46	46	56	52	58	53.5
Louisville	Maximum	74	80	84	84	76	82	88	82	90	78	73	75	85	75	68	68	78	84	87	91	88	80	76	68	66	71	74	78	82	88	91	79.4
	Minimum	57	59	57	61	65	59	65	57	62	66	58	50	58	63	57	51	50	62	64	67	67	59	51	49	45	47	51	53	57	60	62	57.8
St. John	Maximum	75	81	84	86	75	80	88	84	91	84	76	78	86	77	65	73	80	83	87	91	88	83	78	79	66	70	75	78	81	87	92	80.9
	Minimum	49	51	50	53	60	57	55	52	53	67	50	48	50	58	55	48	55	52	55	60	64	64	53	48	45	43	41	44	51	50	54	52.3
Shelbyville	Maximum	77	81	85	87	83	84	87	81	89	79	72	76	85	78	66	67	76	84	88	92	91	79	76	72	66	69	73	70	81	87	92	79.9
	Minimum	53	56	53	59	59	69	63	55	63	71	60	53	54	65	61	52	55	53	65	69	69	66	45	47	44	45	48	49	54	56	59	57.1
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	80	86	90	92	87	89	90	85	94	89	74	78	89	82	70	73	85	89	92	95	95	89	81	80	77	78	80	83	86	93	99	*85.3
	Minimum	56	51	57	60	61	59	61	48	57	69	56	45	54	62	55	42	46	57	60	62	64	67	46	51	43	43	46	49	54	60	62	55.0
Eastern Division.																																	
Ashland	Maximum	78	79	83	85	86	88	87	78	88	83	69	70	85	82	67	68	77	88	91	91	92	85	74	73	67	68	69	77	75	81	87	79.7
	Minimum	52	48	48	56	53	62	61	46	56	64	60	44	49	57	57	46	47	53	55	58	61	61	54	45	41	42	43	53	58	57	56	53.4
Berea	Maximum	76	81	82	84	85	81	88	85	89	85	72	77	86	85	69	70	80	86	90	92	91	83	75	77	69	73	74	84	74	84	90	80.7
	Minimum	53	52	52	53	60	61	61	57	57	67	56	45	56	58	58	48	51	58	59	61	66	64	49	47	44	40	42	42	42	43	43	51.3
Farmers	Maximum	77	82	83	85	86	84	85	81	87	87	69	77	84	78	78	78	81	84	88	86	91	83	74	75	67	70	71	74	75	83	89	80.6
	Minimum	54	43	48	52	47	57	54	44	50	64	52	40	44	54	55	44	43	48	52	54	57	60	45	40	41	36	39	39	49	53	51	48.5
Harlan§§	Maximum	76	79	80	82	83	83	86	80	75	76	80	82	76	65	72	62	69	82	87	91	93	87	79	76	68	67	72	71	74	69	79	78.3
	Minimum	57	45	46	49	48	61	54	59	49	60	55	45	45	54	63	51	55	54	57	54	60	61	58	47	52	40	43	43	52	53	52	51.9
Heidelberg	Maximum	78	82	85	87	89	84	90	84	90	84	75	80	88	85	65	69	82	87	91	93	95	82	77	80	70	73	78	75	73	83	89	81.9
	Minimum	55	45	46	50	49	58	55	48	48	60	52	44	45	57	60	51	49	52	55	57	57	64	52	44	46	39	40	43	52	58	54	51.1
Maysville	Maximum	77	85	84	88	90	87	87	83	91	86	71	77	86	84	66	72	82	87	89	94	92	82	80	74	69	73	75	77	79	88	91	82.2
	Minimum	56	47	52	57	56	60	65	46	58	65	59	44	56	61	56	50	51	55	58	60	64	67	55	49	49	45	47	44	57	56	61	53.0
Middlesboro	Maximum	79	80	85	89	83	79	87	91	88	82	79	81	83	80	81	69	75	88	..	95	92	90	80	81	77	..	79	..	79	..	89	*83.1
	Minimum	45	42	43	45	46	59	52	63	57	61	51	44	52	58	51	56	51	60	..	62	63	61	55	54	42	..	47	..	48	..	49	*52.9
Mount Sterling	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Pippapass	Maximum	78	81	83	86	89	86	89	85	90	87	78	78	86	86	82	65	79	87	91	94	93	87	79	82	72	74	75	74	78	82	88	*82.5
	Minimum	51	44	45	52	49	60	54	46	46	62	54	43	43	54	59	53	53	51	53	56	57	61	54	43	50	37	39	41	53	56	50	*50.4
Quicksand	Maximum	80	83	85	87	89	85	92	89	90	81	74	80	86	86	67	69	81	87	91	94	92	82	79	81	69	74	74	76	72	83	90	81.3
	Minimum	53	42	42	52	47	58	53	41	45	56	53	42	42	54	58	51	49	50	52	55	56	62	47	42	45	37	38	39	52	56	52	*49.2
Richmond	Maximum	72	78	84	85	86	85	85	90	87	90	82	71	78	86	83	62	70	81	85	90	94	92	81	75	76	70	75	72	77	77	86	*80.8
	Minimum	56	55	55	57	57	63	62	52	60	67	56	48	57	62	61	48	52	69	61	64	67	65	52	49	47	44	46	50	54	54	60	*56.6
Williamsburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	59	54	46	51	52	63	55	58	52	51	49	50	54	53	52	58	55	52	54	55	46	43	59	45	52	40	43	42	57	58	53	*52.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville 6:31 31 11m

THE LIBRARY OF THE
SEP 14 1934
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL, Louisville, Ky., June, 1934

VOL. XXXIX LOUISVILLE, KY., JUNE, 1934 No. 6

GENERAL SUMMARY.

Although rainfall averaged above normal, it was so irregularly distributed and temperatures almost continually above normal caused such rapid evaporation that soil moisture in many districts, especially in the eastern half of the State, remained more or less deficient during the month. Prior to the heavy and fairly general rains of the 9th drought conditions began to show in shrinking pastures, diminishing water supplies, and irregular progress of crops. Tobacco transplanting had proceeded up to this time by machine only, with the stand jeopardized by the excessive heat. The straw of grain was shortened and heads did not fill completely.

The rains at the end of the first decade radically changed the situation for the better. Transplanting of tobacco became possible in the hilly districts, and plants set earlier by machine received a good start. Some wheat in the northern and eastern counties was benefited, but for most wheat and barley the rains came too late. Corn improved rapidly in all sections, and oats headed fairly well but the straw was generally too short for cutting with a binder. These rains were not sufficient to more than temporarily revive pastures, which, like the forage crops, were suffering from the depleted state of the subsoil. Heavy rains late in the month in the west-central districts largely restored pastures in that section, but it was only in limited areas of comparatively level land that the heavy local downpours soaked the ground. The lack of deep moisture, resulting from the failure of the winter and spring rains, rendered the crops unusually dependent on the showers and rather vulnerable to the extreme heat.

Gardens and truck made poor progress until the rains of the 9th. The bluegrass seed crop almost completely failed. Harvest, threshing, and haymaking proceeded under favorable conditions. The weather was well adapted to cotton, which reached a stage almost three weeks ahead of its normal development. The month ended with crops varying rather sharply according to rainfall and topography, but fair to good in most sections.

TEMPERATURE.

At stations in the central and eastern counties this was one of the warmest Junes of record. The rainfall and cloudiness kept temperatures relatively lower in much of the western section. Maxima near or above 100° occurred quite frequently in the first and last weeks. The extremes were 105° at Williamsburg on the 28th and 50° at several stations on the 1st, 13th, or 15th.

PRECIPITATION.

Precipitation for the State averaged slightly above normal, but its distribution was decidedly irregular. While some sections in the western counties received too much rain, other districts eastward did not receive enough for the needs of crops. In the lower Green River Valley and westward across the northern Purchase the rainfall ranged from 6.0 to 8.0 inches. Most eastern districts received from 3.5 to 4.5 inches, but stations in the upper Green River Valley and eastward into the mountains reported only 2.5 to 3.0 inches. Much of this area of deficient rainfall was also very dry in the month preceding. Showers occurred in practically all sections in the periods 4-7th, 8-10th, 17-19th, but they varied greatly in amount. They were fairly

MISCELLANEOUS.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Mean.	Highest.	Date.	Lowest.	Date.	Mean.	Resultant direction.	Resultant velocity.	Prevailing direction.	Date.	7 a.m.	1 p.m.	7 p.m.	Percentage of possible.
Cairo	29.6	30.4	29	28.6	15	6.9	31	nw.	8	28	58	57	64	4
Cincinnati	29.01	29.42	8	28.61	15	6.8	36	w.	7	72	58	56	73	7
Evansville	29.02	29.43	8	28.70	15	7.0	28	nw.	21	74	57	54	72	5
Louisville	29.02	29.43	29	28.64	15	8.8	41	s.	21	73	59	55	73	4

COMPARATIVE DATA FOR JUNE.

Year	Mean.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Days with .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1890	75.6	− 3.3	99	48	5.27	+1.15	8.04	1.88					
1891	78.4	+ 4.5	100	51	4.99	+0.85	9.61	0.84					
1892	77.1	+ 3.2	97	57	4.38	+0.24	8.00	2.03					
1893	76.8	+ 1.9	101	48	4.26	+0.11	8.45	0.77					
1894	73.3	− 0.6	97	48	4.03	+0.20	9.44	1.11					
1895	75.6	+ 1.7	102	53	2.60	−1.43	5.18	0.93					
1896	77.9	+ 2.0	97	52	3.89	−0.14	7.23	1.23					
1897	75.5	− 0.4	98	46	4.62	+0.59	11.2	2.02					
1898	74.4	− 0.5	101	44	4.47	.51	7.36	.80					
1899	78.2	+ 2.3	101	45	5.[illegible]	.22	7.94	1.55					
1900	78.1	+ 2.2	100	44	2.[illegible]	−1.82	4.72	0.14					
1901	73.7	− 6.6	100	49	6.12	+2.05	13.51	3.37					
1902	75.6	+ 1.7	104	42	3.97	−0.15	8.81	0.75					
1903	73.1	− 0.5	101	50	4.77	+0.65	7.77	1.40					
1904	68.6	− 5.3	96	37	3.81	−0.31	7.31	0.83					
1905	73.2	− 0.7	99	38	3.24	−0.88	6.03	1.45					
1906	74.8	+ 0.9	100	45	4.45	+0.37	7.65	1.40					
1907	76.2	− 3.7	95	41	4.93	+0.76	9.31	1.21					
1908	73.1	− 6.5	102	43	4.89	+0.24	7.31	0.66					
1909	74.5	+ 0.6	99	43	5.06	+0.93	10.23	2.31					
1910	70.0	− 3.9	93	50	7.26	+1.08	9.51	0.41					
1911	75.2	+ 1.3	100	45	4.07	−0.06	5.71	1.81					
1912	70.2	− 3.7	95	38	3.48	−0.64	6.52	1.20					
1913	75.0	+ 1.1	107	38	2.87	−1.25	5.78	0.52					
1914	76.3	+ 4.4	108	45	2.39	−1.55	5.84	0.26					
1915	71.7	− 2.2	95	48	4.75	+0.65	9.58	1.60					
1916	70.1	− 3.8	99	43	4.[illegible]	+0.82	8.99	2.88					
1917	70.6	− 3.0	100	39	4.[illegible]	−0.20	7.71	2.59					
1918	73.6	− 0.3	104	37	3.[illegible]	−1.13	7.64	1.22					
1919	70.7	− 2.8	103	34	4.[illegible]	−0.42	8.04	1.48					
1920	71.9	− 2.0	103	44	3.[illegible]	−1.37	6.42	0.70					
1921	77.8	+ 3.9	110	46	3.[illegible]	−1.32	5.95	0.66					
1922	73.4	+ 1.5	100	44	3.[illegible]	−1.12	6.80	0.35					
1923	73.5	− 0.1	99	42	4.[illegible]	+0.35	8.05	2.16					
1924	75.2	+ 0.3	99	42	4.[illegible]	+0.27	8.67	1.92					
1925	75.7	+ 3.1	105	48	4.[illegible]	+0.37	7.60	1.53					
1926	76.0	− 2.0	98	48	3.[illegible]	−1.07	7.80	0.86					
1927	70.4	− 3.5	98	42	4.[illegible]	+0.41	7.75	2.33					
1928	66.5	− 4.4	93	35	4.[illegible]	+0.76	10.22	3.57					
1929	71.7	− 2.2	97	39	4.11	+0.60	6.93	1.56					
1930	73.1	− 0.8	104	38	4.76	+0.57	9.89	0.53					
1931	77.3	+ 1.4	106	50	2.[illegible]	−1.92	5.49	1.31					
1932	74.8	+ 1.9	103	50	4.[illegible]	+0.78	8.77	1.03					
1933	76.5	+ 2.6	105	50	3.[illegible]	−0.25	5.07	1					
1934	77.4	+ 3.5	105	50	4.58	+0.46	8.15	0.76					
Period	73.9	.....	108	37	[illegible]	.....	14.22	T.					

Climatological Data for June, 1934.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches			Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. .01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Eastern Division.																			
Beaver Dam	Ohio	441	30																Mrs. Lena F. Taylor.
Carrollton	Mclean	447	39	78.2 − 2.8	99	28	54	3	36		6.40 +2.81	2.03	0	10	14	14	2	sw.	W. A. Taylor.
Hopkinsville	Hopkins	420	44	79.8 + 4.2	100	28	53	13†	37		4.76 +0.97	2.48	0	10	17	9	4	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	5								2.59	0.68	0	8					Lockmaster.
Greenville	Muhlenburg	519	17	76.9 + 2.0	99b	27	52b	13	35b		6.34 +2.33	2.15	0	10	19	11	0	s.	C. R. Lovell.
Henderson	Henderson	382	20	79.7	100	28†	56	18	35		6.31 +2.24	3.06	0	9	10	13	7	s.	Richard Stites
Hopkinsville	Christian	524	38	78.0 + 2.5	99	28	53	13	38		8.15 +3.87	2.61	0	9	13	3	14	nc.	W. E. Graves.
Lawrenceville	Ballard		5	79.2	104	27	50	13	43		3.25	2.10	0	8	21	7	2	s.	Blaine Malone.
Marion	Crittenden	571	35	80.4 + 5.4	99	16†	57	13	36		6.10 +2.52	4.10	0	5	16	8	6	w.	B. C. Paris.
Mayfield	Graves	361	25	79.8 + 5.1	101	28	55	13	82		3.64 −0.09	1.35	0	9	17	12	1	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	8	78.2	101	28†	51	13	40		6.05	2.47	0	9	14	12	4	s.	Harry B. Arnold
Owensboro	Daviess	479	37	77.1 + 2.8	96	1†	53	18	40		8.00 +4.25	3.42	0	11	17	9	4	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	6								7.00	2.85	0	11					Lockmaster.
Paducah	McCracken	316	17								6.87 +2.02	2.52	0	10	19	8	3		C. J. Rhodes.
Paducah Filtering Plant	McCracken	341	45																J. W. Lilley
Princeton	Caldwell	529	27	79.4 + 4.5	101	27	56	14	37		4.0− +0.51	1.67	0	7	10	19	1	s.	Dr. W. L. Cash.
Rumsey, Lock 2	Nelson	384	17								6.25 +2.50	2.05	0	10					Lockmaster.
Russellville	Logan	550	23	78.0 + 3.1	97	28†	53	13	31		7.05 +3.55	3.57	0	10	16	13	1	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	6								3.71	1.10	0	7					Lockmaster.
Central Division.																			
Addison, Dam 40	Breckinridge	352	6								4.67	1.74	0	10					Lockmaster.
Auburntown	Jefferson	709	23	75.2 + 3.2	94	18	62	13	34		4.06 +0.34	1.36	0	7	20	8	2	sw.	C. E. Barret.
Bardstown	Nelson	657	37																Mrs. Emily T. Sisco.
Beaver Creek	Wayne	900	45	78.4 + 2.6	100	28	55	13	34		4.21 +0.49	2.80	0	9	13	11	6	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	9								4.73	1.58	0	11					Lockmaster.
Brownsville, Lock 6	Edmonson	410	17								7.85 +3.45	2.26	0	9					Lockmaster.
Burnside	Pulaski	773	42								6.39 +2.27	1.97	0	10					T. A. Lewis
Carrollton, Lock 1	Carroll	480	35								4.78 +0.85	1.58	0	8					Lockmaster.
Cold Spring, Dam 36	Campbell	489	8								4.25	1.74	0	7					Lockmaster.
Danville	Boyle	946	1	76.8	98	28	53	14	34		4.26	1.42	0	7	15	10	5	sw.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	6	78.1	101	29	55	13†	36		5.25	1.97	0	9	12	15	3	sw.	C. W. Williams.
Eubank	Pulaski	1157	40	74.4 + 3.0	94	1†	50	13	38		6.90 +1.92	1.67	0	5	11	11	8	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	42	76.6 + 5.0	103	28	55	13	37		2.99 −1.81	1.07	0	6	17	8	5	w.	Lockmaster.
Franklin	Simpson	691	39	81.0 + 5.8	104	28	55	13	36		5.12 +1.47	3.24	0	7	16	13	1	s.	Marcus Gatewood.
Gest, Lock 3	Henry	490	23								3.58 −0.45	1.16	0	6					Lockmaster.
Glasgow	Barren	780	8	74.6	101	28	52	13	41		4.61	3.10	0	8	23	7	0	e.	P. L. Beatty.
Gratz, Dam 58	Boone	780	9								3.91	1.50	0	7					Lockmaster.
Greensburg	Green	585	41	76.3 + 3.0	101	28	52	13	45		4.49 −0.06	2.10	0	11	4	1	25	s.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	544	32								4.43 +0.56	1.12	0	10					Lockmaster.
Irvington	Breckinridge	648	34	75.0 + 4.1	97	28†	56	13	31		2.92 +0.83	0.55	0	9	19	5	6	sw.	W. J. Piggott
Lancaster	Garrard	1042	8								3.15	0.87	0	8					Walter Killion.
Leitchfield	Grayson	625	38	77.8 + 4.6	97	28	56	13	30		6.93 +3.20	2.15	0	9	14	14	2	sw	H. H. Willis.
Lexington	Fayette	980	56	77.0 + 4.8	99	28	53	13	33		4.52 +0.47	1.67	0	12	18	8	4	ne.	U. S. Weather Bureau.
Lock Beckham, Lock 8	Jessamine	560	23								4.20 −0.26	1.63	0	10					Lockmaster.
Lockport, Lock 2	Henry	485	24								5.00 +1.34	1.62	0	7					Lockmaster.
Louisville	Jefferson	525	61	79.3 + 5.4	98	28	61	14	28		4.27 +0.45	1.35	0	12	12	11	7	n.	U. S. Weather Bureau.
St. John	Hardin	777	38	76.5 + 3.8	98	28†	52	13†	37		5.31 +1.61	1.90	0	7	20	2	8		Sisters of Loretto.
Salvisa, Lock 8	Mercer	520	20								1.20 −3.90	0.48	0	5					Lockmaster.
Shelbyville	Shelby	835	45	78.1 + 5.5	99	28	55	14	33		4.85 +0.45	1.60	0	8	17	5	8	sw.	Miss Ruth Ratts.
Taylorsville	Spencer	489	32	76.0 + 3.5	96	28	51	13	31		4.43 +0.17	2.10	0	8					Elizabeth J. Bourne.
Tyrone, Lock 5	Anderson	524	16								3.07 −1.46	1.20	0	7					Lockmaster.
Williamstown	Grant	943	31	79.9 + 8.7	104	28	55	13†	38		3.90 +0.06	1.36	0	6	27	2	1	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	501	17								6.63 +2.95	2.87	0	10					Lockmaster.
Eastern Division.																			
Annville	Jackson										3.88	0.96	0	10	17	9	4	nw	W. A. Worthington.
Ashland	Boyd	534	15	76.9 + 3.0	99	28	56	13†	35		3.59 +0.45	1.27	0	8	11	7	12	sw.	Lockmaster.
Berea	Madison	1070	29	74.0 + 1.1	99	29	50	16	39		3.61 −0.95	1.52	0	9	7	17	6	sw.	Chas C. Graham.
Boone's Hill, Lock 11	Madison	611	24								3.75 −0.18	1.38	0	9					Lockmaster.
Carlisle	Harrison	684	16								4.72 +1.40	1.85	0	7					Jr. H. Kelsoe.
Falmouth	Pendleton	690	45								4.45 +0.25	1.66	0	9					J. V. Oldham.
Farmers	Rowan	668	26	73.6 + 2.6	96	24†	51	13†	37		3.70 −0.57	0.81	0	8	13	15	2	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	9								4.37	1.10	0	7					C. A. Glascock
Ford, Lock 10	Clark	697	18								4.31 +0.49	1.28	0	11					Lockmaster.
Grayson	Carter	585	9																Col. Frank Powers.
Greenup, Dam 30	Greenup	540	14								2.84 −1.82	0.95	0	8					Lockmaster.
Harlan	Harlan	1157	6	76.6	93b	28	55b	1†	31b		6.06	2.47	0	12	15	6	9	sw.	W. W. Duffield.
Hazard	Perry	860	10								3.50	1.12	0	11					Chas. O. Thrig.
Heidelberg, Lock 14	Lee	663	17	77.1	101	29	53	13†	37		2.94 −1.33	0.45	0	11	9	9	12	w.	Lockmaster.
Jackson	Breathitt	1366	10								4.48	0.98	0	10					R. R. Davidson.
Lawrence	Lawrence	584	30								4.44 −0.35	0.85	0	10					Lockmaster.
Manchester	Clay		14								4.38 −0.80	1.40	0	7					Jeanett H. White.
Maysville	Mason	504	57	79.2 + 6.1	105	28	55	14	34		3.17 −0.78	1.26	0	6	8	9	13	se.	Lockmaster.
Millersburg	Bell	1128	38	75.2 + 2.8	101	5†	50	14	42		6.06 +1.57	1.36	0	15	12	8	0		Matthew Woodson
Mount Sterling	Montgomery	939	14	77.0 + 1.6	103	29	51	14	34		4.26 −0.59	1.78	0	10	18	11	1	w.	W. R. McKee.
Owensville, Dam 4	Campbell	497	7								3.07 −0.66	1.24	0	7					Lockmaster.
Quicksand	Breathitt	567									4.06	0.90	0	10					Manuel Robinson.
Riverside	Pike	636	28								3.47 −0.92	0.62	0	11					Robert Repass
Pippapass	Knott	1035		75.7	102b	29	50b	15	40b		2.78	0.84	0	9	21	2	7		F. W. Summerfield.
Smithland	Breathitt	732	8	75.1	100	28	53	1†	37		3.84	0.95	0	9					R. W. Jones.
Stanton, Lock 12	Estill	931	16								5.88 +1.12	2.28	0	12					Lockmaster.
Richmond	Madison	926	43	77.8 + 4.3	97	29†	57	14	23		6.61 +2.66	1.98	0	9	18	5	7		J. W. Crooke.
Valley View, Dam 6	Madison	571	21								3.15 −1.06	1.66	0	10					Lockmaster.
Wyoming, Dam 7	Lee	625	19								4.31 +0.87	1.40	0	6					Lockmaster.
Williamsburg	Whitley	1142	9								0.76	0.20	0	7					C. H. Zumwalt.
Williamsburg	Whitley	950	57	79.9 + 6.1	105	28	54	13†	41		3.88 −0.51	1.10	0	9	11	14	5		H. F. Davis.
Wilmore, Lock 13	Lee	646	15								7.91 +2.37	0.58	0	11					Lockmaster.
Yale (Cumberland Falls)				77.4 + 3.5	105	28	50	12	45		4.58 +0.46	4.10	0	9	14	7	9	s.	

Average temperature, using maximum and minimum readings only, for such stations as have ten or more years of record, but all complete reports are used in computing departure from normal. Seasonal and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in computing departure from normal. Bromley, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River and its tributaries. Dates of occurrence are given in numerals.

Data missing, or not received in time for inclusion in these tables, indicated by dashes. Where a figure appears in the table to indicate number of days missing, for example, 3, it represents two days, etc.

†Occurred on more than one date. ‡Also on previous date. *Estimated because ... **Record too late to be included in means and summaries. ††Precipitation is less than 0.01 inch.

§Lone Oak, Paducah, Kentucky. ‖Lone Oak, Paducah, Kentucky. ¶Locks 3, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 7, Nicholasville, Ky.; Lock 9, Lock 10, Red House, Ky.; Scott, Independence, Ky.

[a]Lock 1, Carrollton, Ky.

Daily precipitation for June, 1934

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Western Division																															
Beaver Dam	G																														
Caldwell	G																														
Darlington	G																														
Dodds Ferry Dam 50	O																														
Greenville	O																														
Henderson	O																														
Hopkinsville	O																														
Lancaster	M																														
Madisonville	O																														
Marshall	M																														
Murray	T																														
Owensboro	O																														
Ohio Falls, Dam 46	O																														
Parkway	O																														
Paducah (Near)	O																														
Princeton	O																														
Rabbit, Lock No. 2	G																														
Russellville	K																														
Cumberland, Dam 46	O																														
Central Division																															
Addison, Dam 45	O																														
Anchorage	O																														
Bandytown	S																														
Bowling Green	G																														
Bowling Green, No. 2	G																														
Brownsville, Lock No. 6	G																														
Burnside	C																														
Carrollton (Lock No. 1)	K																														
Cold Spring, Dam 36	O																														
Tarvill	K																														
Dix Dam, Burgin	K																														
Eubank	C																														
Frankfort	K																														
Franklin	G																														
Gest, Lock No. 3	K																														
Glasgow	O																														
Grant, Dam 38	O																														
Greensburg	G																														
Hardy Bridge, Lock No. 7	K																														
Hodgenville	O																														
Lancaster	K																														
Leitchfield	G																														
Lexington	K																														
Locks Skaggs, Lock No. 8	K																														
Louisa, Lock No. 2	K																														
Louisville	K																														
St. John	S																														
Salyers, Lock No. 6	K																														
Shelbyville	S																														
Taylorsville	S																														
Tyrone, Lock No. 5	K																														
Williamstown	J																														
Woodbury, Lock No. 4	G																														
Eastern Division																															
Annville	C																														
Ashland	O																														
Boren	K																														
College Hill, Lock No. 11	K																														
Cynthiana	L																														
Falmouth	L																														
Farmers	L																														
Flemingsburg	L																														
Ford, Lock No. 10	K																														
Grayson	O																														
Greenup, Dam 30	O																														
Harlan	K																														
Hazard	K																														
Heidelberg, Lock No. 14	K																														
Jenkins	B																														
Louisa	B																														
Manchester	K																														
Maysville	O																														
Middlesboro	C																														
Mount Sterling	L																														
Oneonta Dam 35	O																														
Paintsville	B																														
Pikeville	B																														
Pippapass	B																														
Quicksand	K																														
Ravenna, Lock No. 12	K																														
Richmond	K																														
Valley View, Lock No. 9	K																														
Vanceburg, Dam No. 32	O																														
Whitesburg	K																														
Williamsburg	C																														
Willow, Lock No. 13	K																														

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount actually recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

§ Lone Oak

Daily Temperatures for June, 1934.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Calhoun	Maximum	87	87	92	91	86	89	91	91	92	85	86	79	80	85	90	94	86	81	85	82	92	93	89	91	96	98	98	99	98	93	..	90.0
	Minimum	61	56	61	60	57	60	63	69	71	67	70	66	55	57	61	66	72	70	64	62	66	67	69	69	67	73	74	73	75	72	..	66.8
Carrollton	Maximum	98	93	96	94	80	93	94	92	94	90	90	84	87	89	94	97	91	88	89	91	95	93	95	93	95	95	99	100	99	96	..	92.9
	Minimum	71	65	62	69	70	70	66	67	73	67	69	68	63	68	68	65	73	70	62	58	65	64	57	71	65	66	73	71	76	73	..	66.8
Farlington	Maximum	94	96	92	94	86	89	90	89	89	83	85	80	82	86	..	95	92	85	86	87	..	90	91	90	93	95	93	96	96	90	..	89.7
	Minimum	59	61	61	64	65	67	65	66	67	65	67	65	52	54	..	56	68	69	61	57	..	64	64	64	64	69	70	69	71	69	..	64.1
Greenville	Maximum	100	89	95	94	85	92	94	90	92	85	88	84	86	89	92	94	87	91	93	91	96	92	90	93	94	92	97	100	98	92	..	92.0
	Minimum	65	62	66	66	67	68	69	74	75	66	69	63	56	60	62	67	72	69	61	61	67	67	67	70	67	73	74	73	74	73	..	67.4
Hopkinsville	Maximum	98	88	93	90	86	87	91	90	92	89	87	85	88	89	92	93	88	87	88	84	92	92	92	93	97	98	14	98	99	97	91	..	90.8
	Minimum	69	62	63	66	67	68	66	67	71	66	66	67	63	65	58	64	71	67	61	58	62	65	65	68	66	70	69	70	73	68	..	65.3
Lovelaceville	Maximum	100	98	98	91	89	90	89	92	95	87	89	85	90	87	94	97	89	89	88	94	100	98	99	99	98	101	104	103	103	94	..	94.2
	Minimum	67	69	62	65	66	61	65	66	71	65	64	64	59	62	58	63	72	64	57	55	67	71	73	71	65	66	68	69	70	67	..	64.2
Marion	Maximum	94	94	96	92	87	94	92	91	94	89	89	81	87	90	94	95	90	87	90	96	98	99	98	97	95	98	98	99	99	96	..	92.6
	Minimum	68	69	65	69	68	67	65	68	72	66	67	67	57	60	63	69	71	62	61	62	65	75	75	72	66	71	73	73	74	69	..	68.1
Mayfield	Maximum	92	95	95	89	87	91	89	92	92	87	87	84	86	85	88	95	91	90	90	92	96	97	100	101	100	101	100	101	100	95	..	92.2
	Minimum	66	67	64	69	67	66	70	69	70	67	66	67	58	59	62	67	73	66	63	63	65	68	74	73	84	71	73	74	75	69	..	67.5
Murray	Maximum	97	94	93	87	87	89	92	92	95	87	90	82	85	88	93	95	85	86	88	90	96	95	98	97	98	99	100	101	101	95	..	92.4
	Minimum	57	60	61	64	65	65	65	65	71	67	64	65	51	52	57	62	70	66	60	55	60	67	71	70	67	68	67	70	71	68	..	63.9
Owensboro	Maximum	96	93	90	96	85	89	91	89	89	86	87	80	82	86	91	94	88	85	86	90	93	89	90	90	94	93	95	96	96	88	..	89.6
	Minimum	68	61	62	68	66	65	67	66	69	64	67	63	53	61	66	68	73	64	63	63	67	68	73	69	68	70	70	69	72	69	..	64.6
Princeton	Maximum	98	87	95	90	84	93	93	92	96	85	92	84	89	89	93	97	86	85	92	93	96	94	94	94	97	97	101	100	95	90	..	92.1
	Minimum	61	64	64	62	69	68	66	69	74	67	67	68	58	58	59	65	72	69	63	59	64	65	70	70	66	72	72	74	74	71	..	66.8
Russellville	Maximum	95	90	92	92	88	87	89	91	90	84	87	84	82	85	91	95	86	84	85	91	95	92	91	92	91	92	95	96	97	97	..	90.1
	Minimum	61	64	67	66	65	68	65	67	70	66	67	67	63	65	67	62	72	67	64	61	62	66	72	67	67	67	70	72	71	73	69	..	66.0
Central Division																																	
Auburndale	Maximum	92	87	93	88	87	85	87	91	86	80	82	78	78	82	86	90	86	81	92	87	90	87	86	86	89	89	92	94	91	87	..	86.6
	Minimum	68	69	64	64	68	66	65	66	65	64	66	62	52	53	56	60	62	63	53	57	61	63	65	65	69	66	70	70	69	68	..	63.8
Bardstown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Bowling Green	Maximum	97	92	91	96	92	91	95	93	95	88	91	86	85	88	93	95	90	86	85	91	94	94	95	96	97	98	100	99	97	..	..	92.8
	Minimum	68	64	61	62	62	62	64	64	65	60	65	64	55	56	57	60	70	65	63	59	63	65	71	68	67	70	71	71	72	69	..	64.3
Danville	Maximum	98	92	91	89	87	87	91	92	89	86	88	82	86	89	93	98	93	86	88	90	93	94	95	98	97	98	101	104	101	96	..	93.5
	Minimum	68	68	68	63	66	66	64	64	66	65	67	62	56	58	56	59	65	64	59	60	62	63	64	65	71	64	71	74	70	70	..	64.1
Dix Dam	Maximum	96	96	94	90	89	89	90	91	88	87	88	84	84	85	89	94	90	88	87	93	96	96	97	98	96	98	99	100	101	100	..	93.8
	Minimum	66	61	63	64	62	65	65	67	69	67	69	68	55	55	55	60	67	77	60	60	62	65	67	65	71	63	73	74	74	72	..	65.4
Elizabethtown	Maximum	94	87	88	88	83	82	82	93	87	84	87	85	84	82	88	86	84	84	81	89	86	80	84	84	94	92	98	98	92	88	..	87.2
	Minimum	66	61	60	60	66	66	63	61	64	64	65	60	56	51	52	54	65	61	61	66	64	58	61	62	61	64	66	72	67	65	..	61.5
Frankfort	Maximum	97	94	95	92	86	91	89	94	90	88	88	84	85	86	90	96	93	86	89	93	94	92	93	96	97	98	98	103	102	95	..	93.6
	Minimum	66	61	65	64	64	67	64	70	66	66	68	66	55	59	59	67	71	68	59	60	66	67	67	67	68	68	71	73	72	72	..	65.0
Franklin	Maximum	97	95	91	91	90	89	91	94	94	89	92	88	87	92	97	100	94	89	90	93	96	96	95	99	98	100	101	104	101	96	..	94.3
	Minimum	65	65	67	65	67	69	66	69	72	67	68	70	65	66	59	64	72	67	66	62	66	69	74	68	69	71	72	74	75	73	..	67.6
Glasgow	Maximum	96	86	73	76	77	80	84	84	81	88	84	81	85	82	77	79	90	77	77	72	86	86	88	82	84	84	97	97	101	100	93	..	84.8
	Minimum	65	62	63	62	65	68	65	65	64	67	67	69	52	55	55	60	67	68	60	60	62	66	71	69	66	67	70	70	72	69	..	64.5
Greensburg	Maximum	95	87	92	94	88	92	93	95	94	83	90	83	84	84	87	94	88	82	84	91	91	91	87	87	97	91	99	103	97	88	..	89.6
	Minimum	68	66	64	61	67	67	64	63	67	64	65	63	62	62	58	57	66	65	57	60	63	65	65	65	66	65	69	72	68	68	..	68.0
Irvington	Maximum	94	90	89	89	86	90	90	90	88	88	85	80	81	84	87	92	88	84	88	90	92	89	91	89	92	92	95	97	97	90	..	88.9
	Minimum	62	65	66	67	69	67	68	67	70	67	69	67	56	57	59	68	72	69	69	67	65	69	69	70	70	73	73	73	74	72	..	67.2
Lebanon	Maximum	95	89	90	90	82	89	92	90	89	85	85	81	80	83	88	93	84	85	84	87	89	91	91	93	93	95	97	96	96	..	..	89.0
	Minimum	65	66	67	66	68	68	67	67	66	67	68	67	55	58	60	65	70	69	65	67	65	68	69	69	69	72	72	73	74	73	..	68.7
Lexington	Maximum	93	93	92	92	85	85	87	93	87	85	89	80	75	82	86	91	90	83	85	91	93	89	93	94	95	97	99	98	95	87	..	88.9
	Minimum	64	66	65	65	67	67	64	65	67	66	67	63	63	64	59	61	70	70	59	62	65	66	65	65	70	62	70	72	72	72	..	67.2
Louisville	Maximum	96	84	92	96	87	89	88	91	84	83	81	79	83	86	92	89	92	86	83	89	89	92	92	93	95	96	98	98	96	90	..	89.0
	Minimum	68	66	69	69	70	70	68	70	68	67	71	68	62	61	66	70	72	70	65	69	70	68	66	70	76	75	78	83	72	72	..	69.6
Mt. Jonn	Maximum	95	92	91	96	90	94	92	92	92	86	86	86	82	79	89	94	87	88	86	87	90	90	92	90	93	96	98	98	98	96	..	91.3
	Minimum	58	62	62	63	68	65	66	63	66	65	66	65	62	62	65	64	67	67	67	67	66	62	66	67	67	67	69	69	70	68	..	64.7
Shelbyville	Maximum	97	92	94	93	87	90	89	88	87	85	84	79	77	85	90	95	88	84	87	91	93	90	91	94	93	94	96	98	98	92	..	90.4
	Minimum	64	64	66	65	66	67	67	66	69	66	67	67	56	58	61	63	70	69	58	60	63	64	65	67	71	66	72	74	74	70	..	65.8
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	79	83	91	92	87	82	81	90	90	85	88	91	93	95	96	96	95	86	..	88.6
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	51	52	56	57	68	69	58	58	64	65	67	71	65	70	71	71	71	71	..	63.5
Williamsburg	Maximum	102	99	98	96	90	94	89	100	91	86	86	84	85	90	93	97	93	83	88	93	94	95	94	97	98	99	103	104	103	94	..	93.9
	Minimum	68	66	67	67	67	66	64	62	67	64	65	67	65	65	63	66	69	71	60	62	65	65	67	66	69	65	74	74	74	71	..	66.9
Eastern Division																																	
Ashland	Maximum	83	87	89	89	83	88	86	92	85	84	85	82	76	83	87	93	90	82	83	86	91	92	90	91	92	97	96	98	98	86	..	88.3
	Minimum	59	61	62	64	65	64	65	62	70	66	66	68	56	56	56	58	65	72	64	62	63	64	68	66	66	68	68	71	71	71	..	65.5
Beattyville	Maximum	92	89	88	93	78	87	87	87	87	83	86	80	80	83	87	90	86	79	81	82	82	86	91	92	93	95	96	98	98	88	..	88.0
	Minimum	55	55	56	56	55	57	57	58	57	58	63	63	53	52	50	58	60	62	61	59	58	60	62	65	65	65	70	70	73	68	..	60.0
Farmers	Maximum	89	90	89	89	87	82	87	90	80	77	84	80	77	81	85	89	92	92	87	87	87	88	89	90	90	94	96	94	94	80	..	86.5
	Minimum	54	60	62	64	61	60	63	64	65	62	65	62	51	51	53	53	61	68	61	55	57	64	63	63	61	67	68	69	70	69	..	61.6
Harrodsburg	Maximum	94	93	93	93	84	89	90	92	90	86	88	85	81	85	90	94	90	85	86	92	94	93	94	96	97	98	100	101	101	96	..	92.1
	Minimum	57	59	60	63	64	64	65	63	68	66	64	65	53	53	54	56	65	72	62	57	57	68	67	64	67	66	67	70	68	68	..	63.8
Hazard	Maximum	94	88	93	95	80	89	88	93	90	86	86	81	80	80	88	90	94	84	82	87	91	93	93	91	94	98	99	105	102	94	..	91.2
	Minimum	63	58	59	59	60	59	60	60	66	63	63	63	58	58	58	60	68	68	63	62	64	66	68	68	68	72	72	78	77	78	..	67.3
Manchester	Maximum	85	89	70	68	69	70	70	74	66	67	70	65	67	70	85	87	56	61	62	68	68	67	64	72	75	98	98	101	98	91	..	80.4
	Minimum	57	55	55	57	59	61	59	61	58	58	60	58	55	57	59	61	62	63	58	57	58	59	59	59	59	59	59	59	59	59	..	59.0
Middlesboro	Maximum	91	84	92	96	81	92	93	95	93	85	91	85	87	91	90	95	89	85	86	91	95	94	93	95	96	98	100	103	103	96	..	93.1
	Minimum	63	57	58	60	61	62	63	65	63	62	64	62	50	52	54	58	66	61	54	56	62	64	64	62	64	63	66	65	65	63	..	62.3
Mount Sterling	Maximum	94	93	94	93	90	91	90	91	97	89	88	88	85	89	91	88	94	93	84	86	94	94	93	92	95	96	98	102	98	103	99	..	93.7
	Minimum	60	62	63	63	64	63	64	63	66	64	65	60	62	61	56	57	65	68	60	61	64	62	62	64	66	66	67	71	70	68	..	63.2
Paintsville	Maximum	92	90	94	86	80	89	85	..	83	86	87	83	81	85	90	93	98	85	85	91	92	89	93	95	96	98	98	98	96	86	..	89.0
	Minimum	54	55	57	58	62	60	62	63	66	63	64	64	51	50	50	57	65	57	59	64	66	62	65	58	65	66	66	66	64	64	..	60.9
Pineville	Maximum	89	91	92	94	86	87	87	88	86	85	86	87	83	86	90	93	90	84	86	91	92	91	92	93	96	98	100	99	92	..	..	90.1
	Minimum	58	58	57	60	62	63	62	62	67	64	62	63	55	53	53	55	60	64	64	57	58	66	66	63	60	70	65	66	65	65	..	61.9
Richmond	Maximum	89	91	92	93	92	91	87	87	91	91	84	82	80	79	82	87	92	88	84	82	90	91	92	93	96	98	99	94	97	97	..	90.1
	Minimum	66	67	69	67	69	68	67	68	67	66	68	64	70	57	62	63	70	70	61	61	68	66	70	70	70	72	72	73	75	70	..	67.7
Williamsburg	Maximum	90	95	89	93	92	94	95	92	93	92	93	90	87	91	94	96	97	91	89	94	96	97	98	100	101	97	99	102	102	103	105	99	..	96.2
	Minimum	70	68	69	70	69	68	67	68	67	66	68	68	64	70	71	74	75	74	65	66	68	68	68	68	68	68	68	68	68	68	..	67.8

[illegible] in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
[illegible] respectively 1, 2, 3 etc., days missing from record.
[illegible] [illegible] [illegible]

51.05
NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

SEP 10 193

J. L. KENDALL.

VOL. XXXIX LOUISVILLE, KY., JULY, 1934 No. 7

GENERAL SUMMARY.

The extraordinary irregularity in the distribution of rainfall, both in time and amount, resulted in corresponding unevenness in the progress and condition of crops. The contrasts in their development were accentuated by the tendency of the showers to repeat in the same localities until the soil became too wet, while in other nearby areas crops suffered and pastures dried up. Heavy rainfall in the western counties and portions of the central bluegrass during the first half of the month maintained growth. About the middle of the month the rains spread across the central counties and included the central bluegrass region. These caused improvement in pastures and came at a critical time for corn. In much of the Purchase, in many localities in the central counties, and in the extreme northern bluegrass region the rainfall was rarely sufficient for more than a few days at a time, hence crops suffered more or less continuously for moisture. In several extreme northern counties the drought became severe and early corn was seriously damaged.

Under the extreme temperatures of the last decade, which ranged from 100° to 110°, the dry areas enlarged to include most northeastern, east-central, and extreme western districts. In these sections pastures on hills and uplands steadily deteriorated. Moisture deficiency in the subsoil was an important factor in the failure of pastures; and also in the diminishing returns received from forage crops. This type of vegetation remained good only in the wet region adjoining the lower Green River Valley and in the southeastern counties. Where moisture was not sufficient to fully support its growth corn in the tasseling stage had the tassels dried and silks scalded by the withering heat.

Moderate to heavy rains in eastern, central, and southern counties in the last week broke the heat wave, brought relief to crops, and improved pastures. Late corn and tobacco, which were "firing" extensively, received a new start.

Planting of late potatoes continued during the month, with conditions unfavorable until the late rains. Except in the wet western counties tomatoes largely failed to set on and blistered in the intense heat. Favored by the hot weather and moderate rainfall cotton advanced much more rapidly than usual.

TEMPERATURE.

Except in 1901 this month was the warmest of record. Departures ranged from about 4.0° above normal in the moist districts to 8.0° above in the driest section. Maximum temperatures of 100° or higher were registered on six to nine days in the period 15-26th. The extremes were 110° on the 22d, 24th, and 25th at Williamstown and 57° on the 16th at Farmers.

PRECIPITATION.

Precipitation averaged slightly above normal. It was excessive, ranging from 5.0 to 7.0 inches, in most of the section from the central bluegrass region eastward and in the northern half of the west-central district. It was deficient, with a range of 1.0 to 3.0 inches, in the vicinity of the lower Tennessee and Cumberland, in a few south-central counties, and in a large [illegible] Lexington County eastward across the [illegible] Cattle were [illegible] part of the state every day. Rainfall [illegible] on the 7th, 11th, and 27th. [illegible]

on the 1st, 2d and 11th to 13th, and [illegible] 1.17 inches at Lexington and [illegible] 5, 6, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, [illegible] 31.

MISCELLANEOUS.

July 11. A local wind and rainstorm [illegible] damage at [illegible] Letcher County.

July 16. Extensive damage to [illegible] crops [illegible] of the [illegible] was killed from a severe [illegible] of the [illegible] also damaged by the overflow of small streams.

July 25. A Windstorm [illegible] was killed and another [illegible] others [illegible] Errata, April, 1934. [illegible] mean temp., page 14, [illegible] Accomac, 1.32, and Tyrone 3.03.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level). Mean.	Highest.	Date.	Lowest.	Date.	Wind. Average hourly velocity.	Maximum 5-minute velocity.	Direction.	Date	Relative humidity. 7 a. m.	12 noon	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.95	30.21	9	29.76	13	6.6	35	e.	25	82	52	87	46
Cincinnati ..... Ohio	29.96	30.26	9	29.74	15	6.1	21	sw.	9	73	45	82	34
Evansville ..... Ind.	29.97	30.23	9	29.76	13	7.1	32	sw.	15	78	54	89	51
Louisville ..... Ky.	29.97	30.26	9	29.75	14	5.9	32	s.	14	77	51	87	54

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days. Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889	75.1	−2.0	98	50	5.62	+1.50	8.43	2.66	..	..	..	..	..
1890	74.0	−4.1	101	41	2.66	−1.44	6.56	0.7	..	..	..	..	..
1891	74.9	−3.1	91	47	4.08	−0.04	5.38	1.66	..	..	..	..	..
1892	76.5	−1.5	100	48	3.20	−0.82	4.61	0.85	..	..	..	..	..
1893	78.8	+1.7	101	50	3.48	−0.54	8.23	0.34	..	..	..	..	..
1894	76.2	−0.9	105	43	2.03	−2.09	5.38	0.17	..	..	..	..	..
1895	79.2	+1.9	99	49	5.75	+1.62	9.95	2.11	..	9	10	18	9
1896	77.4	+0.2	103	47	7.44	+3.32	13.01	2.76	0	11	11	12	8
1897	77.6	+0.4	100	50	4.79	+0.67	9.05	0.44	0	11	14	11	6
1898	77.8	+0.7	102	48	4.71	+0.59	12.10	0.44	0	11	12	11	5
1899	77.3	+0.2	100	47	3.78	−0.33	7.47	0.95	0	9	17	10	6
1900	77.9	+0.8	101	50	4.91	+0.79	12.84	2.24	0	11	13	11	5
1901	81.7	+4.6	112	48	1.52	−2.60	4.02	0.18	0	5	23	7	3
1902	78.1	+1.0	107	48	1.91	−2.21	4.27	0.26	0	6	19	6	3
1903	77.5	+0.4	104	49	3.53	−0.59	7.36	0.88	0	8	17	8	5
1904	76.2	−1.0	99	46	3.40	−0.72	6.39	1.68	0	16	16	9	5
1905	75.9	−1.3	102	52	5.93	+1.81	10.48	2.01	0	13	14	8	8
1906	76.2	−1.0	100	51	6.02	+1.90	11.02	1.48	0	11	14	6	8
1907	78.1	+1.0	102	50	4.75	+0.63	8.85	1.12	0	9	18	8	5
1908	76.9	−0.2	100	56	3.54	−0.58	8.92	0.35	0	12	16	8	7
1909	74.8	−2.3	99	48	6.61	+2.49	9.24	2.72	0	11	14	9	8
1910	76.2	−0.9	96	51	8.68	+4.54	13.61	3.80	0	16	16	9	12
1911	75.8	−1.3	105	42	2.38	−1.82	6.58	0.90	0	7	16	8	6
1912	77.8	+0.3	106	53	5.50	+1.33	8.84	1.44	0	12	15	10	4
1913	79.9	+2.5	109	48	2.51	−1.66	6.07	1.79	0	7	17	10	4
1914	78.8	+1.7	109	43	3.20	−0.90	7.90	T	0	6	17	8	5
1915	75.7	−1.4	102	49	5.30	+1.18	10.46	1.38	0	11	14	11	6
1916	78.6	+1.5	102	52	4.17	+0.05	10.44	1.63	0	9	17	9	5
1917	78.3	+1.2	100	50	4.38	+0.26	8.58	1.05	0	11	12	10	7
1918	73.8	−3.3	103	46	3.25	−0.87	5.25	0.55	0	8	20	9	2
1919	79.5	+2.4	104	50	2.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1920	78.2	+1.9	99	47	3.83	−0.27	7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1921	81.4	+4.0	108	52	2.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1922	76.4	+0.9	102	47	4.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1923	76.8	−0.6	99	51	3.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1924	78.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1925	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1926	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1927	78.7	−1.4	101	55	4.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1928	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1929	78.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1930	76.5	+0.[illegible]	101	45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1931	77.9	+1.[illegible]	104	50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1932	77.6	+0.[illegible]	102	47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1933	81.2	+4.1	109	57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1934	77.1	..	104	46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Climatological Data for July, 1934.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, melted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Eastern Division.																				
Beaver Dam	Ohio	441	30																	Mrs. Lena F. Taylor.
Calhoun	McLean	437	30	82.4	+ 4.4	105	24	63	9	30	6.01	+0.82	1.80	0	7	9	20	2	sw.	W. A. Taylor.
Darlington	Hopkins	420	44	83.4	+ 4.9	107	24	60	9	34	5.43	+1.67	2.83	0	7	23	7	1	sw.	Brick Southworth.
Fords Ferry, Dam 50	Hancock	356	5								3.84		1.03	0	9					Lockmaster.
Greenville	Muhlenburg	519	17	80.8	+ 3.7	103	25	60	9	30	3.37	+0.23	0.90	0	9	20	11	0	s.	C. R. Lovell.
Henderson	Henderson	382	20	82.5		106	23†	68	8†	35	4.60	+1.33	1.76	0	6	8	21	2	w.	Richard Stites
Hopkinsville	Christian	524	38	82.2	+ 3.4	106	24	62	9	34	4.00	+0.07	0.92	0	11	10	8	13	se.	W. E. Graves.
Lovelaceville	Ballard		5	82.6		107	23†	60	9	41	4.20		1.40	0	6	25	5	1	s.	Blaine Malone.
Marion	Crittenden	571	35	83.6	+ 5.7	106	24	63	9	32	1.12	−2.44	0.82	0	2	23	7	1	w.	B. C. Paris.
Mayfield	Graves	364	25	84.0	+ 6.1	108	24	64	9	29	3.99	−0.10	1.60	0	6	20	11	0	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	8	82.6		108	24	59	9	41	2.43		0.80	0	8	10	13	8	s.	Harry B. Arnold
Owensboro	Daviess	479	37	80.2	+ 2.6	100	24†	63	9	29	6.02	+2.65	2.14	0	9	19	11	1	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	6								4.98		2.07	0	10					Lockmaster.
Padiucah	McCracken	516	17								2.77	−0.80	0.90	0	7	14	14	3		C. J. Rhodes.
Paducah Wharf§	McCracken	341	45								2.67	−0.23	0.90	0	6					J. W. Lilley
Princeton	Caldwell	529	27	83.6	+ 5.7	106	23†	62	9†	34	2.74	−1.10	1.19	0	6	15	16	0	s.	Dr. W. L. Cash.
Ratliff, Lock 2	McLean	384	17								4.23	+1.83	1.12	0	8					Lockmaster.
Russellville	Logan	590	23	81.1	+ 3.7	103	25†	62	9	33	3.26	−1.00	1.18	0	11	15	11	5	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	6								7.17		2.73	0	7					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	6								3.10		0.80	0	11					Lockmaster.
Anchorage	Jefferson	700	33†	79.4	+ 3.3	104	23	60	9	34	2.52	−1.71	0.70	0	6	20	10	1	sw.	C. E. Barret.
Bardstown	Nelson	637	37																	Mrs. Emily T. Sisco.
Bowling Green	Warren	560	45	82.5	+ 3.8	105	24†	63	13	29	2.34	−0.59	1.10	0	6	12	16	3	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	9								2.25		0.98	0	6					Lockmaster.
Brownsville, Lock 6‡	Edmonson	420	17								6.76	+3.66	2.48	0	9					Lockmaster.
Burnside	Pulaski	773	43								5.96	+1.07	1.20	0	13					T. A. Lewis
Carrollton, Lock 1	Carroll	480	35								2.18	−1.19	1.28	0	6					Lockmaster.
Coal Spring, Dam 36	Campbell	489	8								1.90		0.54	0	9					Lockmaster.
Danville	Boyle	940	1	80.0		101	25	63	31	27	5.88		1.95	0	11	11	13	7	sw.	Ralph T. Wyntt.
Dix Dam, Burgin	Mercer	770	6	81.6		104	25	64	8†	30	8.62		2.67	0	11	14	10	7	s.	C. W. Williams.
Eubank	Pulaski	1177	40	78.2	+ 3.8	104	25	61	16	33	3.39	−1.15	1.07	0	6	9	12	10	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	42	82.1	+ 5.5	107	25	64	9†	33	4.80	+0.24	1.95	0	8	17	8	6	w.	Lockmaster.
Franklin	Simpson	691	39	84.0	+ 6.2	107	25	61	9	34	2.78	−1.42	1.25	0	12	13	17	1	s.	Marcus Gatewood.
Gest, Lock 3	Henry	490	28								1.79	−2.55	0.78	0	5					Lockmaster.
Glasgow	Barren	780	8	80.1		104	25†	61	9†	32	5.05		1.20	0	11	24	7	0	e.	P. L. Beatty.
Gratz, Dam 38	Boone	780	9								1.52		0.66	0	8					Lockmaster.
Greensburg	Green	581	41	80.6	+ 4.0	107	23	61	31	32	3.90	−0.85	1.12	0	11	3	1	27	sw.	Mrs. Bettie K. H. Alcorn.
Hall Bridge, Lock 7	Bessamine	544	32								6.52	+2.20	1.79	0	12					Lockmaster.
Lexington	Breckinridge	646	35	81.4	+ 4.1	103	24	62	9	29	3.34	+0.13	0.83	0	10	17	6	8	sw	W. J. Pigeott
Lancaster	Garrard	1032	8								5.53		2.07	0	12					Walter Killion.
Leitchfield	Grayson	636	38	81.0	+ 4.4	103	24	64	9	28	5.47	+1.52	1.28	0	11	16	12	3	sw.	H. H. Willis.
Lexington	Fayette	989	50	79.4	+ 3.6	101	25	62	16†	32	7.84	+4.19	3.14	0	15	16	9	6	e.	U. S. Weather Bureau.
Locklekman, Lock 5	Jessamine	540	23								6.17	+2.05	1.70	0	11					Lockmaster.
Leesport, Lock 2	Henry	485	21								2.30	−1.50	1.21	0	7					Lockmaster.
Louisville	Jefferson	525	61	82.4	+ 3.8	105	23	64	8	26	2.10	−1.60	0.80	0	11	8	12	11	s.	U. S. Weather Bureau.
St. John	Hardin	777	38	79.8	+ 3.8	104	24†	59	9	34	3.96	+0.47	2.10	0	8	19	2	10		Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	20								6.65	+1.93	2.08	0	10					Lockmaster.
Shelbyville	Shelby	825	45	81.9	+ 5.4	106	23	63	31	32	2.75	−1.38	1.26	0	9	14	11	6	sw.	Miss Ruth Ratta.
Taylorsville	Spencer	489	32	80.0	+ 3.9	103	23	62	9	33	2.39	−1.88	0.85	0	8	27	3	1		Elizabeth J. Bonrne.
Tyrone, Lock 5	Anderson	524	16								4.92	+0.38	3.03	0	6					Lockmaster.
Williamstown	Grant	913	31	81.8	+ 3.1	110	22†	61	18	36	3.06	−0.68	1.07	0	7	28	2	1	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	17								4.10	+0.94	2.06	0	9					Lockmaster.
Eastern Division.																				
Annville	Jackson										4.63		0.83	0	16	14	6	11	sw.	W. A. Worthington.
Ashland	Boyd	534	15	80.1	+ 4.0	104	21†	60	19	35	3.88	−0.17	1.09	0	11	10	9	12	sw.	Lockmaster.
Berea	Madison	1070	29	80.8	+ 4.8	101	25	63	31	33	5.03	+0.35	1.33	0	15	14	9	8	w.	Chas. C. Graham.
Conway Hill, Lock 11	Madison	611	24								5.85	+1.76	1.68	0	14					Lockmaster.
Cynthiana	Harrison	684	16								3.16	−0.05	0.96	0	8					P. H. Kehoe.
Falmouth	Pendleton	600	46								3.63	−0.02	1.60	0	8					J. V. Oldham.
Farmers	Rowan	668	26	*78.0	+ 3.3	98*	19†	57*	16	32*	5.81	+0.65	1.43	0	11	14	9	8	e.	Mrs. R. F. Stamper.
Greenupsburg	Fleming	841	9								5.91		1.41	0	8					C. A. Glascock.
Heidelberg, Lock 10	Clark	637	18								7.21	+2.29	1.99	0	16					Lockmaster.
Grayson	Carter	589	9																	Col. Frank Powers
Grayson, Dam 30	Greenup	510	14								4.01	−0.31	1.03	0	11					Lockmaster.
Hazlan	Harlan	1197	6	78.0		95	21	62	31	25	5.49		1.52	0	12	15	8	8	sw.	W. W. Duffield.
Henry	Perry	899	10								5.83		1.15	0	16					Chas. O. Ihrig.
Heidelberg, Lock 11	Lee	663	17	80.4		101	23	63	31	31	6.07	+1.65	2.72	0	13	8	6	17	w.	Lockmaster.
Jenkins	Letcher	1566	10								6.61		1.38	0	12					R. R. Davidson.
Louisa	Lawrence	584	30								4.80	+1.35	1.80	0	11					Lockmaster.
Manchester	Clay		14								5.48	+0.67	1.95	0	11					Bennett H. White.
Maysville	Mason	524	37	81.6	+ 4.8	106	21	63	19	36	3.93	−0.32	2.55	0	9	7	18	6	so.	Lockmaster.
Middleboro	Bell	1198	38	80.3	+ 5.5	107	16	61	31	45	5.62	+0.25	1.61	0	14	13	17	1		Matthew Woodson
Mount Sterling	Montgomery	930	34	80.7	+ 4.9	104	25	63	8†	34	5.29	+0.31	1.85	0	10	17	11	3	w.	W. B. McKee.
Owingsville, Dam 37	Bath	597	7								1.27	−3.47	0.54	0	9					Lockmaster.
Pineville	Bell	567									5.74		2.10	0	11					Manuel Robinson.
Pikeville	Pike	656	28								5.13	+1.01	1.05	0	11					Robert Repass
Pippapass	Knott	1035		79.6		102	21	61	31	37	4.54		1.07	0	15	18	7	6		F. W. Summerfield.
Quicksand	Breathitt	752	8	79.5		102	25	61	3†	34	3.24		0.60	0	9					R. W. Jones.
Rockcastle, Lock 12	Estill	631	16								4.49	−0.37	1.07	0	13					Lockmaster.
Richmond	Madison	926	43	79.6	+ 2.9	99	26†	61	31	25	4.98	+0.99	1.85	0	16	12	7	12		J. W. Crooke.
Valley View, Lock 9	Madison	551	21																	Lockmaster.
Vanceburg, Dam 32	Lewis	525	19								4.28	−0.52	1.00	0	10					Lockmaster.
Whitesburg	Letcher	1142	9																	G. H. Zimmerman.
Williamsburg	Whitley		37	83.0	+ 6.3	107	25	65	16	34	3.31	−1.98	0.75	0	9	14	11	6		H. F. Davis.
Worthington, Lock 13	Lee	646	15								5.79	+1.24	2.25	0	11					Lockmaster.
Wrigley	Morgan			81.2	+ 4.1	110	26†	57	16	45	4.39	+0.27	3.14	0	10	15	10	6	s.	

All temperatures given are taken from self-registering thermometers.

Comparisons of departures from normal temperature and precipitation are compared only for such stations as have ten or more years of record, but all complete reports are published. Danville, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River and Kentucky River Slackwater.

Dashes indicate that no report was received; letters appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Means or totals incomplete. † Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow. § Lone Oak.

‡ Postal name Brownsville. Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

Omega, Calhoun, Ky.

Daily Precipitation for July, 1934.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.		T.				.48	.40				.93	.77		1.30					.70								.40	T		T	.55	4.64
Calhoun G.			.08				1.22	.79				2.83		.45	.64					.63												4.44
Fords Ferry Dam 50 O.		.20	.40			1.03	.48					.65		.37	.32					T						.90		.30				3.45
Greenville G.		.02					.65				.05	.90		.20	.35				.85									T	.10		.25	2.32
Henderson O.						.13	.55				1.18			1.76					.51													4.13
Hopkinsville O.		.04					.39	.17			T.	.68	.92	.15			.20			.12							T.	.80	.23		.1	4.06
Lowesneyville M.		.10				.15	1.05				1.40								1.00													4.20
Marion O.		T					.80				.82			T.	T.												T					1.62
Mayfield M.				.72			.57	.25				T														1.00		.17				2.14
Murray T.		T.	.14				T.	.30				.12					.41	.16	T							.40	T		T			2.46
Owensboro O.				.03			.51	.40				2.14	T.	.80	.11				.93	1.37							T	.52				6.27
Owensboro, Dam 46 O.			.17	.03			.37	.44				2.07	.03	.48	.09				T.	1.16								.07	T			4.86
Paducah O.		.13					.76					.16		.02	.03				.90	T											.07	2.37
Paducah (near) ¶ O.		.06				.70						.23		.08					.99												.20	2.67
Princeton G.		T.				.56	T.				.72			.12												.10		.05		T		2.54
Ramsey, Lock No. 2 ‖ G.							.84	.15				1.12	.11	1.10	.28					.20								.37				4.06
Russellville O.		.12	.40				.05	.02				.20	.85	.04		.09				.29									1.38		.02	2.99
Uniontown, Dam 45 O.			.07				1.20					1.50		2.73	1.43	T					.04							.11				7.17
Central Division																																
Addison, Dam 45 O.		.02	.14				.75	.01				.80	.12	.72	.36	.07	T.			.08							T.	.42	T			2.10
Anchorage O.		T	T				.34					.70		T		.15	T.									.64		.05	.04			2.12
Baldstown S.																																
Bowling Green G.							.35				.05	.30	.52							.02							T	1.10				2.04
Bowling Green, No. 2 G.							.24					.07	.38	.56													.02	.98				2.25
Brownsville, Lock No. 6 G.			.14				.12	.04				.82	.27	2.48													.04	1.35		1.78		6.25
Burnside ‖ K.		.03	.37			.44	.12	.54	.11			.12	1.20	.16	1.10												.55	.06				3.85
Carrollton ‡‖ (Lock No. 1) K.							1.28	.07							.10																	1.45
Cold Spring, Dam 36 ‖ O.		T.	.16	.32			.28	.03				T.	.23	.16												.11	.07	T.	T.	.64		T	1.90
Danville K.		.13					1.95	.71			T.	.36		.04	.25	.01	.62											.20	.62		1.66	5.58
Dix Dam, Burgin ‖ K.		.10			.25		1.10	2.07							1.42		.15										1.48		.70	.60	.30	8.82
Eubank C.			1.03					1.07	.19								25											.78	T	.24	.02	4.99
Frankfort ‖ K.			.30				1.95	.05				T.	.11	T.			.90	T.								T.		.26	.66	1.27	.01	2.78
Franklin K.		.03					.11	.12			.08	.30		.10			.86		.05										.31			1.76
Goff, Lock No. 3 ‖ K.			.10				.56	.04					T.				.78												.01			1.49
Glasgow O.		.18					.08	.17			.12	.25		.90			.72										1.20	.45	.13		.85	5.05
Grant, Dam 34 ‖ O.				.08			.10	.05					T.	.02			.45									.02	.11	T.	.66				1.59
Greensburg K.			.10				.03	.23						.72	.66		.17	.25										1.12	.13	.01	.58	3.94
Hiseh Bridge, Lock No. 7 K.			.21			.78	.74	.75				T.		.20	.04		.98	T.	.02								T.	1.12	.38	.24	.02	6.32
Irvington O.		.10					.23				.32	.62	T.	.14	.83		.15		.06								.60	.53				3.04
Lancaster K.		.44	.64			.22	2.07			.10	.03	.02	.61													.10	.20		.60	.80	5.03
Leitchfield G.		1.28	.03				.89				.17	.36		1.25	T.		.06								.04		.25	.52	T.	.62	.50	5.67
Lexington *** K.		.56	T.	T.	.54	.20	.52	.04			.16	.19	T.	.01	.73	3.14	T.									.01	1.20	.46	.07	.02		7.84
Little Rickman, Lock No. 8 ‖ K.			.13				1.74	1.60				.20		.06		.60	.30									.15		.22	1.20	.60	6.17
Lockport, Lock No. 2 ‖ K.				.06		1.21	.05								.10											.02	.15		.05	T.	2.20
Louisville *** O.		.06	8.01			.15	.68				.07	.76		.04	.08	T	.22		T.							T.	.48	.23				2.10
St. John S.			.70				T.	.08				.20	2.10	.20											.25	.25		T.	1.25	.40	3.98
Salvisa, Lock No 6 ‖ K.			.17	.17			.27	.15			T.	.41		T.	1.45		T.	T.									2.40	1.45			6.65
Shelbyville S.							.38	.08				.01	.26		T.		.16			T						.20		.15	.05		.40	2.75
Taylorsville S.		.24					.70					.85	T.	T.	.33		.06				T.	T.	T.				.17	.01		.03		2.29
Tyrone, Lock No. 5 K.			.13			T.		.52	T.				.10	T.			T.									.71			2.03	.48	3.92
Williamstown L.				.10			1.07	.10				.12															.01	.04			.26	3.40
Woodbury, Lock No. 4 ‖ G.		.24	.01				.63	.03				.23	.33	2.06														.15			.66	4.10
Eastern Division																																
Annville C.		.02	.44			.04		.57	.13			.77	.12	.08	.03	.06	.04									.70		.05		.85	.37		4.03
Ashland ‖ O.		.07	1.09					.40	T.		.11	.21	.26													.19	.02		.81	.33		.20	3.38
Berea K.		.35					.90	1.33				.33	.19	.10	.50	.10	.02	T.								.21		.13	.12	.11	.18	.51	5.03
College Hill, Lock No. 11 ‖ K.		.10	.75			1.08		1.68					.08	.78	.10	.08										.18		.05	.35		.22		.02	.66	5.85
Cumberland ‖ L.			.26					.70	.12			T.				.38	T.	.96										.01		.03			2.26
Falmouth ‖ L.			T.	.03			1.27	.06						.02	.20											T.	.32	T.	1.06				2.93
Farmers ‖ L.		.45						.41		.20		.81	.90			.07	.24									.51			.49	1.43		.32	5.31
Flemingsburg ‖ L.			1.05					.46	.60				1.41	.12			.38									1.15			.72				5.91
Ford, Lock No. 10 K.		.08	.11			.10		.88	1.99		T.		.03	.43	.62	T.	.83	.66	T.							T.		.14	.23	.11	1.35	.07	.15	T.	7.24
Grayson O.																																
Greenup, Dam 30 O.		.03	.36					1.03	.02		.41	.79	.30													.25	.56		.20				3.64
Harlan ‖ C.			.15					1.45	.10		.45	.45			.20													1.59	.44	.82	.16	.05	5.19
Hazard ‖ K.			.95	.01				1.05	.12		.32	.48	.04	T.	.35		.26	.12								.72		.10	.08	.48	.52	T.	.08	5.83
Heidelberg, Lock No. 14 ‖ K.			.64					.88				2.72	.18		.05	.01	.52			.13						.61			.09	.26	.10	.04	6.07
Jenkins ‖ B.			.50					.61	.02		.31	.41		.44			.27				.28							.20	1.30	.30	.45	.51	6.61
Louisa F.			.60					.82			.20	.65	.40													.68		.02		.68	.20	1.80	.10	4.80
Manchester K.		1.95						.72				.42	.14	.01		.54		.26								.65			.40	.36		.05	5.48
Maysville O.							.06	.52				.11	.17	.05						.05	2.55					.10			.25				3.86
Middlesboro C.		.26	.03					.47	.15		.02	.68	.11	.02	.26	.28										.04		1.61	.28				5.62
Mount Sterling ‖ L.		1.85						.99	.05			.14	.02	.10	T.		.08			.51						.50		.51					5.29
Owenita Dam 35 O.			.01	.12	T.		T.	.54	.10				.72	.12	.03			T.								.18		T.	.13			.04	1.27
Paintsville B.				.35					.50		.23	.30	.25				.97									.20	.12		.15	.52	.2 10		5.74
Pikeville B.				.25					.80	.43		.12	T.	T.			.21			.08		1.05					.22	.86	.8	.22				5.13
Pippapass K.		.03						.50	.55		.05		.05	.07	.02	.07				.40		1.07	.01		.10		.60		.05	.07			4.54
Quicksand K.			.57				.35	.46		.38		.18		.57	T.	.01						.65						T.	.83				3.25
Ravenna, Lock No. 12 ‖ K.			.70					1.07	.70			.55	.31									.48				.07	.05	.60	.11	.60	.25	4.19
Richmond K.		.02	.50			.18		.10	1.85		.15		.05	.11	.48	.05	.60	T.				.08			T.	.14		.50		.12	.05	4.15
Valley View, Lock No. 9 ‖ K.																																
Vanceburg, Dam No. 32 O.		T.	.91					.03	1.00				.78	.15	.09		.24									.54			.40			.26	4.20
Whitesburg K.																																
Williamsburg ‖ K.			.26		.11				.40		.12		.73		.36		.30			.55						.45		.05	.15	.54	.07	.05	5.79
Willow, Lock No. 13 K.			2.27					.50				.95	.25																			

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation is charged in the next following gage measurement.

‖ Separate dates of rain not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. § Lone Oak.

Daily Temperatures for July, 1934.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Calhoun	Maximum	86	90	100	98	94	89	84	88	93	88	89	98	89	94	97	94	96	98	97	99	103	105	102	97	92	88	92	93	87	.....	.....	93.4
	Minimum	73	69	71	70	73	70	68	64	68	67	70	68	76	67	75	72	75	72	70	70	75	76	73	75	77	78	73	70	73	71	73	71.4
Earlington	Maximum	89	95	98	98	96	92	87	87	90	94	96	91	100	95	95	96	97	90	99	100	102	105	107	100	99	97	96	94	96	90	96	95.6
	Minimum	72	67	68	70	72	70	69	68	69	66	73	67	77	68	77	71	75	74	72	73	75	77	71	73	76	72	75	71	66	74	69	71.3
Greenville	Maximum	88	92	98	98	95	91	83	84	89	91	96	86	97	92	93	95	94	94	87	99	98	100	101	102	103	97	95	89	91	91	88	92.9
	Minimum	75	66	67	68	70	73	67	61	66	64	67	67	74	66	70	68	72	71	67	68	69	71	78	72	74	69	71	69	64	70	64	68.8
Henderson	Maximum	99	98	99	99	94	91	87	87	90	96	89	89	98	90	93	93	93	93	87	96	96	98	106	106	104	100	93	91	93	94	89	94.3
	Minimum	73	69	69	74	71	69	70	68	68	68	70	72	66	74	72	74	73	71	71	71	71	72	71	76	77	74	72	70	68	71	69	70.7
Hopkinsville	Maximum	91	94	98	97	95	90	87	90	90	96	93	91	99	92	96	94	96	97	88	96	97	102	105	106	105	103	97	91	89	91	88	94.7
	Minimum	70	67	68	69	72	78	67	66	68	66	70	67	72	67	73	69	73	73	67	67	73	74	71	73	75	69	72	71	67	70	68	69.7
Louisville	Maximum	86	88	97	95	88	88	85	85	91	95	96	95	100	90	94	99	100	103	87	99	100	102	107	107	106	98	95	91	90	97	94	96.1
	Minimum	70	66	67	69	70	70	68	67	69	65	70	68	78	68	74	69	73	75	70	71	73	70	68	66	69	70	70	68	64	70	68	69.0
Marion	Maximum	91	97	98	98	97	92	90	89	89	94	97	95	101	95	96	98	95	96	84	102	100	103	104	106	106	100	98	98	95	91	91	96.8
	Minimum	71	69	80	70	74	76	64	66	63	67	67	70	76	66	75	70	73	70	72	70	78	75	76	76	76	72	74	70	67	71	66	71.5
Mayfield	Maximum	95	94	95	95	96	94	87	86	89	94	95	97	101	96	95	99	103	102	94	99	102	104	106	108	107	97	98	92	95	89	97.1
	Minimum	70	67	70	71	74	69	69	68	64	69	72	70	75	73	76	70	74	76	71	72	75	73	72	72	70	72	73	71	68	72	65	71.0
Murray	Maximum	94	95	96	98	99	92	86	90	93	96	97	98	102	95	100	100	102	103	91	98	100	102	105	108	105	99	99	92	94	96	92	97.8
	Minimum	68	65	66	67	69	68	66	66	68	68	68	75	72	71	67	70	71	68	67	70	70	66	67	75	68	70	70	65	70	65	67	67.9
Owensboro	Maximum	87	91	94	94	92	89	82	83	86	90	87	86	94	90	91	91	91	91	83	94	93	96	98	100	100	94	91	86	88	91	86	90.9
	Minimum	70	67	69	70	72	73	68	64	68	65	69	67	72	64	72	69	74	72	70	71	72	72	75	74	74	71	75	68	68	69	65	69.4
Princeton	Maximum	87	90	98	96	96	92	85	87	91	94	96	97	101	96	97	97	99	99	90	97	98	99	100	101	103	96	94	91	94	96	91	96.2
	Minimum	72	67	69	70	73	76	69	66	67	70	68	75	76	68	74	72	74	75	76	74	75	74	72	73	75	70	74	72	68	72	62	71.0
Russellville§§	Maximum	88	92	94	96	96	89	82	86	92	93	87	90	94	94	96	94	85	98	95	96	99	103	103	98	100	84	99	89	93	93	93.3
	Minimum	70	67	69	68	70	73	68	65	62	66	69	66	67	67	70	68	73	71	73	69	72	74	69	70	76	70	72	72	67	69	63	69.4
Central Division.																																	
Anchorage	Maximum	86	87	92	94	92	87	84	86	86	89	86	80	90	86	92	94	88	90	88	95	98	101	104	103	102	94	94	87	84	87	84	90.5
	Minimum	70	66	70	71	69	72	68	63	66	64	63	67	67	69	68	65	70	66	67	70	73	74	71	74	68	72	69	66	68	70	64	68.2
Bardstown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Bowling Green	Maximum	90	93	98	98	98	93	84	87	94	90	89	94	90	93	94	95	96	99	102	102	108	108	105	102	100	90	89	90	90	94.8
	Minimum	70	66	70	70	71	73	68	64	67	71	67	70	68	70	71	69	72	71	68	67	73	75	71	77	77	78	75	75	67	70	68	70.2
Danville	Maximum	89	88	93	98	96	89	83	80	88	87	90	83	93	89	95	93	89	90	91	94	96	98	98	98	101	96	94	83	86	89	86	91.0
	Minimum	69	66	66	70	73	73	68	68	69	66	68	66	69	66	67	64	66	64	67	69	70	72	78	72	76	75	70	70	67	69	68	68.9
Dix Dam	Maximum	90	89	96	99	96	95	90	84	88	92	90	94	94	95	96	98	98	98	90	96	98	100	102	98	99	100	98	84	87	87	86	93.0
	Minimum	70	68	67	69	70	75	72	64	64	68	71	70	71	66	66	66	70	72	65	66	75	78	74	73	73	75	76	71	69	69	71	72	70.3
Elkhorn	Maximum	87	87	94	92	90	88	87	86	86	89	86	89	91	88	93	94	88	91	88	90	94	95	97	104	102	98	93	89	88	91	80	89.4
	Minimum	67	65	63	63	63	67	65	67	65	64	69	65	67	65	65	61	68	65	67	69	71	70	67	70	71	71	69	67	67	73	69	67.0
Frankfort	Maximum	90	92	98	100	98	91	86	83	90	94	91	84	98	86	99	97	90	91	86	98	104	105	104	105	107	100	97	85	88	89	88	94.5
	Minimum	73	68	67	73	69	77	67	66	64	67	68	70	80	70	67	67	72	64	66	70	76	78	78	78	72	75	75	71	70	70	68	70.2
Franklin	Maximum	92	96	97	100	98	94	83	86	90	97	94	91	101	91	98	97	100	98	92	100	103	103	106	104	107	103	101	89	88	92	91	96.3
	Minimum	71	67	70	74	74	69	68	64	69	74	68	76	77	75	69	69	74	73	69	71	75	76	72	78	78	77	74	73	68	71	67	71.6
Glasgow	Maximum	92	93	98	96	93	87	82	78	81	81	81	81	97	91	96	91	91	93	86	97	99	100	99	104	104	101	103	85	88	91	90	93.6
	Minimum	68	65	65	69	66	74	69	65	61	61	70	69	74	69	68	65	74	70	70	68	70	70	68	70	74	71	71	71	70	71	64	69.6
Greensburg	Maximum	94	92	96	100	92	88	84	84	90	96	98	87	91	88	97	89	89	94	87	96	102	101	105	102	102	101	102	85	87	92	84	93.1
	Minimum	67	65	66	69	71	68	66	62	64	68	68	66	69	65	67	64	70	65	69	67	70	71	69	75	73	72	71	70	69	69	61	67.9
Lexington	Maximum	89	92	95	96	96	92	87	84	87	91	86	84	92	88	93	91	91	90	90	93	96	97	100	103	101	96	95	88	88	89	87	91.8
	Minimum	72	67	68	73	72	75	69	64	62	68	70	68	73	67	67	70	72	70	73	71	75	77	71	78	76	75	77	69	68	72	68	70.9
Leitchfield	Maximum	88	92	94	95	94	89	80	84	89	91	84	84	94	87	93	93	90	92	89	94	96	100	103	102	99	98	87	87	89	89	89	91.5
	Minimum	70	66	69	71	72	74	68	66	64	68	69	68	72	67	72	67	73	70	70	71	73	76	72	77	77	74	78	71	68	70	68	70.5
Lexington	Maximum	76	90	94	95	96	88	76	79	81	89	85	79	91	84	94	94	87	89	90	95	100	98	99	99	101	95	98	86	84	87	85	89.7
	Minimum	70	69	68	70	71	73	68	63	65	68	70	65	70	68	67	62	66	68	72	76	71	75	71	76	75	71	68	68	69	65	68.1
Louisville	Maximum	87	88	95	96	94	89	80	84	87	92	84	83	93	87	95	97	80	92	88	94	98	101	103	103	101	97	93	86	89	89	88	91.7
	Minimum	72	71	73	76	77	70	69	64	67	72	73	70	73	70	72	72	72	73	75	74	79	81	80	75	78	71	70	73	67	72	69.1
St. John	Maximum	87	92	94	95	93	86	80	83	88	92	85	81	94	84	93	94	90	90	90	96	98	99	102	104	104	98	99	90	87	90	87	92.1
	Minimum	67	64	66	67	70	71	66	67	69	64	67	67	68	68	68	65	70	67	65	71	73	75	71	74	74	74	72	70	70	68	62	67.7
Shelbyville	Maximum	85	91	95	98	96	88	82	84	89	94	89	83	95	87	95	99	98	94	94	97	103	104	106	102	104	99	102	93	93	94	93	93.9
	Minimum	72	66	67	73	71	73	68	65	64	68	69	68	71	68	69	67	67	67	70	69	75	73	75	76	76	75	72	70	70	69	63	69.9
Taylorsville	Maximum	85	89	93	94	91	89	80	83	88	89	85	81	92	83	93	92	87	90	89	95	99	100	103	101	97	96	93	87	89	86	86	90.7
	Minimum	70	66	65	71	70	73	69	66	62	66	68	68	70	68	67	66	73	65	68	71	72	73	70	73	74	75	73	71	66	68	68	69.2
Williamstown	Maximum	92	95	100	100	101	97	94	85	92	95	93	86	97	90	101	102	92	97	89	95	100	100	103	101	107	110	110	106	97	93	94	97.8
	Minimum	72	65	68	71	70	75	67	63	65	70	70	69	68	71	67	68	70	61	68	72	77	75	76	71	77	74	74	71	68	69	68	69.8
Eastern Division.																																	
Ashland	Maximum	82	86	92	90	86	80	86	80	86	86	83	80	90	87	92	94	86	90	91	98	104	103	98	101	104	103	93	86	91	87	85	90.6
	Minimum	66	68	68	71	67	67	68	66	70	66	68	66	71	67	69	72	69	70	72	77	75	76	66	73	78	76	74	72	71	72	67	69.6
Beattyville	Maximum	75	80	85	88	88	85	82	84	87	91	88	82	93	88	92	93	88	89	90	94	98	98	95	97	101	96	94	85	88	85	85	89.5
Bonnyman	Maximum	77	87	89	91	91	89	86	86	88	92	86	85	94	89	92	94	89	91	92	96	98	98	96	98	101	96	94	87	91	87	87	91.0
	Minimum	62	65	63	67	66	65	65	65	66	63	65	67	63	68	67	67	68	65	70	73	75	73	73	73	75	73	72	67	70	68	67	68.5
Buckhorn	Maximum	86	84	87	90	91	86	81	80	72	86	85	81	89	89	88	88	88	88	90	94	95	96	94	94	94	97	94	87	89	84	83	87.8
	Minimum	70	66	67	68	67	66	71	67	66	67	66	68	69	66	72	72	70	71	72	74	76	74	73	74	74	74	71	67	68	69	67	69.3
Hazard	Maximum	90	88	95	97	97	90	90	85	91	91	89	81	93	86	97	96	91	93	94	96	97	101	98	98	97	94	86	84	89	87	91.9
	Minimum	69	68	64	67	69	70	70	69	69	67	68	66	69	71	64	70	65	66	69	73	70	72	73	74	74	73	71	68	68	68	68	68.9
Maysville	Maximum	84	90	97	94	96	92	84	81	89	93	91	79	95	87	93	95	100	97	87	91	101	99	106	103	99	99	104	98	95	87	90	90	87	93.9
	Minimum	67	65	71	74	71	77	67	66	69	73	69	67	70	72	69	72	72	69	73	75	70	70	73	71	74	74	74	72	69	70	68	70.8
Morehead	Maximum	86	92	103	95	95	88	85	84	91	93	89	85	95	89	95	97	103	98	94	101	104	106	102	101	102	98	92	88	91	88	89	94.5
	Minimum	65	68	64	62	64	71	68	66	64	66	65	65	66	67	67	70	68	67	67	69	66	71	70	68	68	67	65	66	66	66	61	68.1
Mount Sterling	Maximum	90	95	99	98	98	93	88	88	93	96	94	90	98	93	96	98	98	98	94	98	101	101	98	99	101	97	96	92	93	92	92	95.8
	Minimum	68	65	67	68	67	69	66	63	65	67	65	65	67	67	68	68	67	65	68	67	71	67	73	78	75	76	76	70	68	69	68	68.2
Paintsville	Maximum	88	92	98	95	100	93	86	84	89	91	90	82	93	89	93	96	98	98	95	96	102	98	96	99	101	97	96	87	90	89	90	93.4
	Minimum	64	68	65	72	68	66	65	65	66	66	62	63	64	65	65	64	64	65	64	67	67	72	68	68	70	67	69	66	67	67	66	66.4
Quicksand	Maximum	90	93	95	97	94	91	86	86	88	89	87	82	93	87	94	94	94	94	93	96	101	99	100	100	102	96	96	93	96	93	90	92.5
	Minimum	67	67	64	68	68	68	67	66	64	68	67	66	64	68	68	67	67	68	68	72	67	71	68	73	71	74	69	69	70	67	67	68.5
Tannersville	Maximum	87	87	91	92	93	86	85	84	88	91	88	83	92	88	92	94	94	94	92	96	98	98	96	97	98	96	94	90	92	92	92	92.3
	Minimum	71	67	67	72	73	73	65	68	66	71	67	66	64	68	67	66	71	67	68	72	67	71	68	73	71	74	68	69	70	67	67	68.9
Wheelwright	Maximum	88	88	89	102	104	89	85	82	90	92	90	85	90	89	89	90	96	96	98	96	99	103	103	105	105	102	98	94	96	94	94	96.1
	Minimum	69	67	66	68	69	67	66	68	67	68	67	67	68	67	70	68	67	68	67	70	69	74	73	72	74	74	71	68	69	68	74	69.6

§ Thermometer read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

§§ [illegible] days missing from record.

NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

THE LIBRARY OF THE
OCT 19 1934
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XXXIX LOUISVILLE, KY., AUGUST, 1934 No. 8

GENERAL SUMMARY.

Good rains in most northern counties in the first and second weeks relieved the drought that had prevailed in much of that area. During the next two weeks heavy rains occurred in the southeastern and south-central counties, largely in a region that had remained relatively moist. Pastures were partly restored in northern sections and soon developed vigorous or luxuriant growth in most southern districts. A limited area in the extreme northern bluegrass, near the mouth of the Licking, received sufficient rain to start the late crops, but not enough to restore pastures or replenish the water supply.

Where corn had made normal progress the rains brought it forward to maturity, but in the drier districts of the northern and extreme western counties they came too late for early plantings. They were also of doubtful benefit to some early tobacco, which was already badly fired and in condition to lose in the bottom leaves what it would gain by new growth in the top of the plant. For most tobacco the rains came in time to complete its development; while in the hilly sections, where most of the crop was late, this moisture became the basis of the main growth. Tobacco cutting began to an appreciable extent in the burley district about the middle of the month. Showery and humid conditions in the third week delayed curing and caused some farmers to prepare for heating their barns. This situation improved in the last week.

Third crop alfalfa made strong growth after the rains. Cowpeas and soybeans produced such heavy foliage as to require lengthy curing. Late potatoes that had been planted during the hot weather rotted in the ground, causing poor stands or complete failure. Tomatoes made a heavy growth of vine but did not fruit properly. The heavy rains caused splitting and defective growth. In those districts that had suffered most from drought corn cutting began late in the month. In corn that tasseled during the extreme heat it was found that many ears were only scantily filled with grain.

TEMPERATURE.

Weather somewhat warmer than normal, with maxima frequently above 90°, prevailed in the first two decades. Subnormal temperatures thereafter retarded growth and brought the first cool nights of the summer. The extremes were 104° at Franklin on the 11th and 46° at Quicksand on the 30th.

PRECIPITATION.

Precipitation averaged considerably above normal. From the eastern edge of the bluegrass across the mountain region it was far above the average, ranging from 6.0 to 10.0 inches. A few limited areas in the central and western counties received 6.0 inches or more. In the central bluegrass region and a considerable district north of Green River amounts ranged between 3.0 and 4.0 inches. A small area in and adjacent to the lower Licking Valley reported less than 2.0 inches. The range for the State was between 1.61 inches at Cold Spring, Campbell County and 10.84 inches at Pikeville. Heavy rains occurred in most districts in the periods 1st-4th, 10-12th, 14-17th, and 23d-25th. Light to moderate showers were interspersed between these periods. Except for a few days near the close, measureable precipitation was reported on every day. Days with thunderstorms were: 1, 2, 5, 7, 8, 10, 11, 12, 13, 17, 19, 22, 23, 24, 28.

MISCELLANEOUS.

Aug. 10.—A rainstorm of unusual intensity in the counties of Bath, Carter, Lawrence, and Rowan, with its center on Tygarts creek, caused damage estimated at $25,000. Olive Hill was almost completely flooded. Two lives were drowned on Williams creek, a branch of which their home was washed away. Along many creeks the crops were destroyed, the land was scoured and the land disastrously eroded. Road No. 60 and the Chesapeake and Ohio Railway were closed to traffic during most of the day.

Aug. 14.—A rainstorm near Prestonburg caused damage by flooding along creeks estimated at $25,000.

Aug. 19.—An earthquake shock, said to be the most severe experienced, occurred in the region of Cairo, Ill., and was felt southward to New Madrid, Mo.

Floods.—Numerous floods occurred in creeks in eastern counties from the 10th to 14th, caused by excessive local rains. The run-off increased stages momentarily in the Ohio in the periods 11-13th and 17-20th.

ERRATA.

May, 1934: Page 18, Danville minimum temperature should be 36 on 1st, June, 1934: Page 22, Irvington, greatest 24-hour precipitation should be .62, Henderson, prevailing direction should be west.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity	Maximum velocity.	Direction.	Date	Relative humidity 7 a. m.	7 p. m.	1 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.99	30.20	26	29.78	1	7.1	24	SW.	18	92	62	67	63
Cincinnati ..... Ohio	30.02	30.26	31	29.76	2	6.6	23	n.	9	78	50	58	71
Evansville ..... Ind.	30 (o	30 21	26	29.79	2	7.7	26	SW.	2	90	61	64	61
Louisville ..... Ky.	30.03	30.25	31	29.82	2	8.4	35	n.	10	80	57	61	55

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days. Precipitation .01 inches or more	Clear.	Partly cloudy.	Cloudy.
1889	70 6	−5.0	100	43	1.23	−2.49	3.32	0 32	..	..	..	..	..
1890	73.2	−2 4	101	44	6.16	+2 44	8 68	3.22	..	..	..	..	..
1891	72 9	−2.7	105	43	5.82	+2.10	19.76	2.72	..	..	..	..	..
1892	75.4	−0 2	96	45	3.13	−0.59	8 10	0.65	..	..	..	..	..
1893	74 8	−0.8	99	48	1.72	−2.00	8 20	1.06	..	..	..	..	..
1894	77.1	+1.5	105	41	3.02	−0.70	7.55	0.83	..	5	..	..	..
1895	76 6	+1 0	102	49	2 15	−1.57	5.07	0.3	0	6	10	15	4
1896	77.1	+1.5	105	41	2 80	−0 89	6 44	0.20	0	9	12	8	4
1897	75.2	−0.4	101	49	2.33	−1.20	5 45	0.46	0	7	15	8	3
1898	76.7	+1.1	100	55	3.83	+0.11	9.85	1 10	0	7	15	1	3
1899	78.1	+2.5	102	51	3 99	−0 03	5 26	1.26	0	6	16	13	4
1900	80 4	+4 8	104	52	2.74	−0.98	6 81	0.65	0	12	15	1	2
1901	75.5	−0.1	101	50	5.12	+1 40	15.50	1.42	0	7	12	..	10
1902	75.6	0.0	103	45	2.48	−1.24	5.79	0.86	0	8	15	15	5
1903	75.5	−0.1	100	49	3.27	−0.45	6.01	0.66	0	8	15	11	5
1904	75 2	−0.4	100	45	2.64	−1 08	5.52	0.59	0	9	15	8	8
1905	75.7	+0.1	99	42	3 82	+0.10	7.46	1 31	0	16	16	8	7
1906	77.4	+1.8	99	45	4.37	+0.65	8 59	1.92	0	16	13	9	9
1907	74 8	−0.8	99	48	4 27	+0 55	7.56	2.47	0	9	15	8	9
1908	76.3	+0.7	104	49	2.79	−0 53	5 27	0.47	0	12	15	8	4
1909	76.9	+1.3	104	45	2.60	−1.12	8 85	0 02	0	6	19	8	4
1910	74.0	−1.6	100	46	2 72	−1 00	6.38	0.16	0	10	18	7	6
1911	76.2	+0.6	106	45	4 63	+0 21	6 71	1.81	0	13	13	7	11
1912	73.7	−1.9	98	43	4.71	+0.09	8 22	1 80	0	7	14	8	9
1913	78 0	+2.4	108	44	2.81	−0.91	6.64	0 57	0	12	16	9	6
1914	76.0	+0.4	100	49	5 94	+2 22	10 29	2 86	0	14	13	8	10
1915	71.8	−4 8	100	42	6.29	+2.87	11 62	4 15	0	9	9	10	12
1916	77.0	+1.4	101	47	4.25	+0.58	8 19	0 75	0	8	14	10	7
1917	73 9	−1.7	100	42	3 49	−0.23	8 80	0.58	0	8	16	8	7
1918	80 2	+4.6	111	50	3.18	−0.54	7 18	1.24	0	8	17	8	5
1919	75.0	−0.6	104	47	3.49	0 23	6 98	0 84	0	13	17	8	6
1920	73 4	−2 2	98	37	5 80	+2 08	10 96	1 79	0	10	16	10	11
1921	76 0	+0 4	101	48	5 28	+1 56	8 36	3 26	0	6	16	8	6
1922	75 2	−0 4	101	44	2 43	−1 29	5 82	0 61	0	12	16	8	6
1923	79.4	−0.2	99	53	6.03	+2.31	12 77	2 17	0	15	13	13	8
1924	76 5	+0.9	103	43	3 16	−0.72	7.17	0 52	0	7	21	6	4
1925	76 8	+0.9	105	44	1 47	−2.25	5.17	T	0	5	21	7	3
1926	77 3	+1.5	101	51	7.51	+3.79	12.63	3 29	0	14	12	10	9
1927	71 1	−4.5	97	43	2 88	−0.81	6 44	0 74	0	8	12	8	7
1928	77 0	+1.1	101	51	4 3	+1 61	7.35	1 06	0	13	14	10	7
1929	74.0	−1.6	100	37	2 06	−1 69	5.84	0 31	0	6	19	7	5
1930	76 5	+0.9	110	42	2 27	−1 47	5.46	0 32	0	7	16	9	6
1931	74 4	−0.7	102	45	5 30	+1 56	11 10	1 67	0	12	13	6	11
1932	76 5	−0.9	103	43	4 25	+0 53	9 76	0 21	0	7	17	8	5
1933	74 7	−0 9	99	51	7 26	+3 42	7 98	4 57	0	8	16	6	15
1934	76 6	+1.0	104	46	4.76	+1.04	10 84	1 61	0	13	15	11	5
Period	75 6	..	113	37	3 72	..	19 76	T	0	1	16	1	1

Climatological Data for August, 1934.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	30																	Mrs. Lena F. Taylor.
Calhoun	McLean	437	30	78.0 + 0.6		96	14	51	30	34	3.73	+0.03	1.57	0	11	8	17	6	sw.	W. A. Taylor.
Carlington	Hopkins	420	44	79.1 + 2.0		97	8†	50	30	34	4.34	+1.12	1.80	0	8	15	9	7	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	5								3.49		1.47	0	10					Lockmaster.
Greenville	Muhlenburg	519	17	76.7 0.0		96	9	49	30	38	3.40	−0.86	1.35	0	8	16	14	1	s.	C. R. Lovell.
Henderson	Henderson	382	20	78.0		96	3	51	29	35	4.46	+1.66	2.57	0	7	11	13	7	sw.	Richard Stites
Hopkinsville	Christian	524	38	78.6 + 0.7		99	12	54	27†	34	4.44	+1.00	2.35	0	9	6	6	19	se.	W. E. Graves.
Lovelaceville	Ballard		5	78.8		101	8†	51	30	36	4.21		1.72	0	7	17	10	4	s.	Blaine Malone.
Marion	Crittenden‖	571	35	78.7 + 0.7		100	14	51	29	39	6.15	+2.93	2.75	0	6	9	10	12	s.	B. C. Paris.
Mayfield	Graves	364	25	79.4 + 2.0		100	8†	54	30	30	6.78	+3.21	2.50	0	7	16	12	3	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	8	78.9		102	8	50	30	38	5.65		2.25	0	10	6	16	9	s.	Barry B. Arnold
Owensboro	Daviess	479	37	76.0 − 0.3		92	8†	51	29	32	3.84	+0.48	1.52	0	9	14	11	6	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	6								3.62		1.62		12					Lockmaster.
Paducah	McCracken	516	17								5.79	+2.33	2.50	0	11	11	7	13		C. J. Rhodes.
Paducah (near)§	McCracken	341	45											0	5					J. W. Lilley
Princeton	Caldwell	529	27	79.2 + 1.9		99	7†	54	29	35	3.96	+0.64	2.40	0	12	8	11	12	n.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	384	17								3.70	−0.59	1.25	0	9					Lockmaster.
Russellville	Logan	590	23	77.6 − 0.1		97	10†	54	27†	30	5.70	+2.71	1.38	0	9	11	7	13	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	6								3.68		1.34	0	9					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	6								3.11		0.90	0	10					Lockmaster.
Anchorage	Jefferson	700	33	73.8 − 0.9		93	10	51	30	31	7.80	+4.20	2.38	0	10	9	15	7	sw.	C. E. Barret.
Bardstown	Nelson	637	37																	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	45	77.4 − 0.9		99	9	54	27	27	7.21	+3.44	1.80	0	11	13	10	8	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	9								6.58	−0.54	2.53	0	11					Lockmaster.
Brownsville, Lock 6	Edmonson	410	17								4.73	+0.63	1.26	0	16					Lockmaster.
Burnside	Pulaski	773	43								3.68	−0.54	0.80	0	9					T. A. Lewis
Carrollton, Lock 1	Carroll	480	35								4.34	+0.93	2.43	0	8					Lockmaster.
Cold Spring, Dam 36	Campbell	489	8								1.61	−0.54	0.47	0	7					Lockmaster.
Danville	Boyle	540	1	74.8		94	8	48	30	30	4.21		2.19	0	11	8	15	8	sw.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	6	77.8		94	8†	51	30	36	3.49		1.72	0	9	8	16	7	s.	C. W. Williams.
Eubank	Pulaski	1177	40	74.4 + 0.6		93	5	50	28	28	5.26	+0.92	2.80	0	5	10	11	10	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	42	76.6 + 1.5		96	3	50	30	38	3.05	0.67	0.93	0	11	12	13	6	e.	Lockmaster.
Franklin	Simpson	691	39	80.5 + 3.7		104	12	54	30	32	4.65	+1.11	1.80	0	8	9	18	4	s	Marcus Gatewood.
Gest, Lock 3	Henry	490	23								4.38	+0.36	1.57	0	11					Lockmaster.
Glasgow	Barren	780	8	77.4		97	8†	53	30	28	4.78		2.00	0	11	23	7	1	n.	P. L. Beatty.
Grant, Dam 38	Boone	780	9								1.93		0.48	0	7					Lockmaster.
Greensburg	Green	581	41	75.4 + 0.1		98	9†	47	30	35	6.49	+2.37	2.73	0	12	3	2	26	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	32								2.56	−1.49	0.95	0	10					Lockmaster.
Irvington	Breckinridge	646	36	77.2 + 1.1		97	8	52	30	25	2.88	−0.62	0.71	0	10	15	6	10	sw.	W. J. Piggott
Lancaster	Garrard	1032	8								5.13		2.55	0	9					Walter Killion.
Leitchfield	Grayson	635	38	76.4 + 0.8		95	10	51	30	31	2.97	−0.92	0.86	0	9	9	16	6	sw.	H. H. Willis.
Lexington	Fayette	989	50	74.6 + 0.1		92	8†	49	30	31	3.72	+0.27	1.00	0	13	12	12	7	ne.	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	560	23								2.92	−1.75	1.07	0	6					Lockmaster.
Lockport, Lock 2	Henry	485	24								4.49	+0.41	1.40	0						Lockmaster.
Louisville	Jefferson	525	61	76.8 − 0.2		94	9	53	30	29	4.91	+1.49	2.01	0	15	9	11	11	s.	U. S. Weather Bureau.
St. John	Hardin	777	38	75.7 + 0.8		95	3	49	29	36	4.67	+0.82	2.10	0	9	19	0	12		Sisters of Loretto.
Salvisa, Lock 6	Mercer	526	20								2.77	−1.06	2.20	0	6					Lockmaster.
Shelbyville	Shelby	825	45	76.5 + 1.8		99	9	50	30	36	4.12	+0.61	1.86	0	12	12	7	11	so.	Miss Ruth Ratta.
Taylorsville	Spencer	489	32	74.5 + 0.2		93	8†	46	30	37	3.20	−0.67	1.48	0	10	23	6	2		Elizabeth J. Bourne.
Tyrone, Lock 5	Anderson	524	16								3.91	+0.16	2.50	0	7					Lockmaster.
Williamstown	Grant	943	31	77.0 + 2.8		97	9†	48	30	39	4.11	−0.08	1.40	0	11	17	1	13	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	17								4.67	+0.17	0.96	0	13					Lockmaster.
Eastern Division.																				
Annville	Jackson										3.82		2.42	0	10	5	14	12	no.	W. A. Worthington.
Ashland	Boyd	531	15	74.6 − 0.9		94	9	51	30	28	4.93	+0.65	1.04	0	9	14	8	9	w.	Lockmaster.
Berea	Madison	1070	29	75.8 + 1.4		96	6	50	27	35	3.29	−1.26	1.65	0	15	11	11	9	sw.	Chas. C. Graham.
College Hill, Lock 11	Madison	611	24								3.72	−0.48	1.51	0	12					Lockmaster.
Cynthiana	Harrison	684	16								8.93	−0.65	2.50	0	8					P. H. Kehoe.
Falmouth	Pendleton	690	46								3.30	−0.48	1.17	0	12					J. V. Oldham.
Farmers	Rowan	668	26	*72.6 − 1.2		89a	20†	50a	30	23a	8.39	+3.97	2.23	0	10	13	9	9	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	9								6.71		2.05	0	10					C. A. Glascock
Ford, Lock 10	Clark	657	18								3.47	−1.05	1.68	0	12					Lockmaster.
Greyson	Carter	589	9																	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	14								3.20	+0.62	0.77	0	13					Lockmaster.
Harlan	Harlan	1197	6	74.8		89	9	55	30	27	8.74		4.30	0	16	8	9	11	n.	W. W. Duffield.
Hazard	Perry	869	10								8.23		1.60	0	15					Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	663	17	75.9		95	9	50	30	31	5.06	+0.54	1.57	0	12	4	16	11	w.	Lockmaster.
Jenkins	Letcher	1506	10								6.03		1.30	0	12					R. R. Davidson.
Louisa	Lawrence	584	30								6.13	+2.24	1.85	0	9					Lockmaster.
Manchester	Clay		14								5.00	+0.51	1.40	0	12					Jeanett H. White.
Maysville	Mason	521	37	75.6 0.0		94	8†	48	30	28	6.70	+2.64	1.79	0	10	9	10	12	se.	Lockmaster.
Middlesboro	Bell	1128	38	*75.3 + 1.1		92b	8	52b	30	34b	3.70	−0.56	1.00	0	11	8	21	2		Matthew Woodson
Mount Sterling	Montgomery	930	44	75.2 + 1.2		96	9	48	30	33	7.06	+3.01	2.55	0	11	16	11	4	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	7								1.63	3.06	0.68	0	7					Lockmaster.
Paintsville	Floyd	567									8.06		2.63	0	13					Manuel Robinson.
Pikeville	Pike	636	28								10.84	+6.77	2.25	0	12					Robert Repass
Pippapass	Knott	1035		*75.0		94c	9	50c	30	34c	7.08		1.90	0	14	11	2	18		F. W. Summerfield.
Quicksand	Breathitt	782	8	75.6		94	8	46	30	36	7.51		2.90	0	9					R. W. Jones.
Ravenna, Lock 12	Estill	631	16								5.15	+0.58	2.22	0	11					Lockmaster.
Richmond	Madison	926	43	75.0 − 0.5		93	9	49	30	29	3.43	−0.17	1.05	0	6	12	5	14		J. W. Crooke.
Valley View, Lock 9	Madison	571	21								2.59	−1.53	1.10	0	11					Lockmaster.
Vanceburg, Dam 32	Lewis	525	19								5.80	+1.84	1.46	0	10					Lockmaster.
Whitehouse	Lawrence	1142	9								5.66		0.97	0	14					G. H. Zimmerman.
Williamsburg	Whitley	999	37	78.6 + 2.6		96	3†	52	30	34	5.27	+0.61		0	4	19	12	0		H. F. Davis.
Wilson, Lock 13	Lee	646	15								6.23	+2.25	2.25	0	12					Lockmaster.
State averages and ex'tremes				76.6 + 1.0		104	12	46	30	39	4.76	+1.01	2.90	0	10	15	11	5	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rhoesy, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, *, †, ‖, appearing in the table indicate number of days missing; for example, b represents two days, etc

a Absent other dates. b Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

c Absent other dates. ‖ Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

* Post office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Scott, Independence, Ky. Oneonta, California, Ky.

Daily Precipitation for August, 1934.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G																															
Calhoun	G	1.57	.10	.07		.14			T			T	.13			.28			.16	.62	T			.01	1.11	.69			T			T	3.75
Darlington	G	1.45	.20				T						T																			
Fords Ferry Dam 50	O	1.17	.20				.02		T							T	.15		.12		T		.12	1.10	.65	.45						4.64
Greenville	G	1.35	.02	T.		T.					T	.25				.10				.20	T	T		.03	1.20	.08	.22					3.40
Henderson	O	2.07	.04			.42					.06	.15				.12				.20	T	T		.03	1.20	.25						3.40
Hopkinsville	C	1.48	.23																													
Lovelaceville	M	1.72												T	.03	.04			F	.01	T	.12	.08	2.35	.10			T	T			4.46
Marion	O	2.46	.10															23				.31	.20	.04	1.20	.0						4.41
Mayfield	M.	2.26	.11								T	T			F					F		T	.45	.10	2.7	.32						4.21
Murray	T.	2.25	.11											T	F	T.	.73		T	.58	T		.35	2.50	.27							6.78
Owensboro	O.	.80	1.52	.08			.76	T.	T	T.		T.	.24	.17			.28		.05		T.			.18	1.56	.04			T			5.65
Owensboro, Dam 46	O.	.54	1.62	.04			.07	.02	.03																.45							
Paducah	O.	2.50	.10	.03			.24	T.					.14	.38		T.	.27		.01	.02	.02		.02	.32								3.84
Paducah (near) ¶	O.	2.10											.02				T.	.01	1.37	T.	.02	.09	.42	1.62	.01							3.62
Princeton	G.	2.00	.01			T.	T.				T			.51		.09			.10		.20	.42		1.10								5.29
Ramsey, Lock No. 2	G.	.97	.64	.05									.20				.20		.06	.03	.08	.80	.92	.65	.03			.12				3.56
Russellville		.88		.05			.17							.22			1.38		.05				.04	1.25	.25							3.70
Uniontown, Dam 49	O.	1.34	1.20				.23				T	.51				.05	.08		.05				1.10	1.73	.02			T				5.70
Central Division																																
Addison, Dam 45	O.	.21	.40				.16	.05			.08	.22	.18			T.	.90						T	.70	.15							3.69
Anchorage	O.	T.	.53			.03				2.38	.58	.15	.51			.83			.69		T.		1.01	.69								7.80
Bardstown																																
Bowling Green	G.	.35	.35								T	.22	.30			.80			.51	T.		1.80	1.10	1.20	.18							3.11
Bowling Green, No. 2	G.	.38	.36	.12								.24	.32			.95			.04	.41		.07	2.53	.21								7.21
Brownsville, Lock No. 6	G.	.55	.44	.08		.02						.02	.10	.28		.05	.37		.20	.42	.02		.85	1.26	.25	.12						6.55
Burnside	C				.17				.40		.60		.10	.35		.35	.80	T.	T.		T.	T.		.35	.70	.21						4.73
Carrollton (Lock No. 1)	K.	.31	.46	.20			.15				2.43			.18			.15							.43								3.88
Cold Spring, Dam 36	O.		.20	.47			.06	T.	T.		.20		T.			.14	T.		.04				.40									4.34
Danville	K.	.04		.18		.01	.09	T.		.30	.48	T.		.51	.2	19	T.		.02		.03		.39	T.								1.44
Dix Dam, Burgin	K.	.28	.20				.12			1.72	.05					.84			.04	.05			.21									4.21
Eubank	C								.46		.17		.03				2.86							1.80								3.49
Frankfort	K			.12	.68		.03	T.	.03		.93	.03	.03			T.	.30		.10	T.			.55	.25								5.26
Franklin	G.	.66	.10																													
Gest, Lock No. 3	K.	.06	.15	1.16			.07	.02	.03		1.57			.25	.06	1.15	.02		1.11	.10		.02		1.80	.83		.03						4.65
Glasgow	O.	.45	.05	.06			T.										.82			.10			.16	.74								4.38
Grant, Dam 33	O.	.48	T.	.76	.21	T.	.08				.30					.65			.13				2.00	.57		.04						4.28
Greensburg	G	.04	.05	.16			.23	.35			.26		.58	.05		2.73			.05				1.76	.23								5.88
High Bridge, Lock No. 7	K.	T.	.14	.70		.02	T.	.12			.56	.07				.28			.08	.04			.15									2.56
Irvington	O.	.32				.06	T.	.10			.58	.51				.71			T	T	.04		.25	.27							2.0	2.85
Lancaster	K.	.04	.11				.16			1.05			.15		.15	2.55			.30				.65									5.13
Leitchfield	G.	.67	.26			.04	.42					.07		.17		T.			.37	T.			.86	.51								2.97
Lexington ***	K	.05	.78	.71		.02	T.	.07			.84	1.00	T.	T.		.33	T.		.09	.01		T.	.21	.01				T.			.07	8.72
Little Hickman, Lock No. 8	K.	T.	.20	.20			T.	.15			.90					T.	1.07						T.	.40								2.92
Lockport, Lock No. 2	K.	.22	1.4				.12			1.33						.47			10				.33	.49								4.49
LOUISVILLE***	O	.03	.22				.05		.3	.16	.01	.24	.39	.20	.16	.34	.08		.39	T.			1.57	.74								4.91
St. John	S.		.30					.05	.80			.45	.52										.15	.65	.15							4.67
Salvisa, Lock No 6	K.	T.	.10	.16	T.		T.		T.		2.20			.10			.20							.07								2.77
Shelbyville	S.	T.	.04	.19				.18	.05	.08		1.86	.15				.57			26	.01		.62	.04								4.12
Taylorsville	S.	T.		.25			.10		T.	1.48	.25	.15				.21			.25	T.	T.	.09	.32	.10								3.20
Tyrone, Lock No. 5	K.	T.	.09	.68		T.		.12			2.56	.05				T.				.18			.29									8.91
Williamstown	L.	.20	.88	1.40			.06	.05			.55					.10	.36			.11				.55	.05								4.31
Woodbury, Lock No. 4	G.	.58	.65	.19									.25	.63		.51		.14	.04	.04			.55	.96	.10	.08						4.47
Eastern Division																																
Annville	C			.13		.14		.01			.04			.54		.08	2.42		.05				.19		.22							3.82
Ashland	O		1.61	.83	.90					.50	.32			.05		.65							.03	.10								4.3
Beattyville Hill, Lock No. 11	K.	.03	.05	1.51	T.		.02	T.	.05		.01	.86	.01		.18	.02	1.65	T.		.26		.13	.58	.02								3.29
Cynthiana	L		T.		.30	2.50		T.	.02	.01		.32				.05		T.			.02		.85									2.72
Falmouth	L.	.10	1.17		.29			T.	T.	.02		.06	.42										.75		.01							3.53
Farmers	L		.30	1.11	1.16						2.10	1.66				.03	.03	.40			.06		.43	.19								5.30
Flemingsburg	L	.23	.16	.26							.75	2.05			.20		.14	2.23						.13			.12					8.39
Ford, Lock No. 10	K	.04	.24	1.68	T.		.04	T.	.08		.61	.03	T.	.26			.64						.06	.88								6.71
Greenup, Dam 30	O.	.04	.36	.77	.12												.23						.04	.08	T.	.19	T.					8.47
Harlan	C	.62	.08	.15	.82			.12	.15			.16	.30	.04		.62	.02	.16					.12	.02	.14							3.39
Hazard	K		.20	1.85	.05			.04	.05			.05		.41	1.19		.05	1.05	.05			.45	.58	1.17	2.30							8.74
Heidelberg, Lock No. 14	K.	.01	.09	1.22			.02	.03	T.			.84		.30	1.03		.10	1.36		.05	.04		.70	1.60	.50								8.23
Jenkins	K		.10	.78	.72							.11			.20	.50	.10	1.30			.07		.21		.08			.43					5.76
Louisa			1.10	.45																			.63	.45	.56							6.68
Manchester	K	.10		.45							3.85	1.00	.10				.10	.48					.10									6.18
Maysville	O		1.79	.50										1.40		.29	1.03	.20		.04	.68			.20	.21							5.00
Hebblesboro	C			.37	.12						.30	1.57	T.		.70	T.	.40	.41		.01			.35	.84								6.70
Mount Sterling	L		.40	2.58		.02		.08		.16			.07		.05	1.00	.66						.81	.52	.26	.28						3.70
Oneonta Dam 35	O	T.	.65	.33			T.	T.	T.		.85	.84	T.		.80	1.32							.15	.03								7.06
Paintsville	B		.39	2.62								.03				.12	.06		.05				.37	T.							.42	6.66
Pikeville	B	.28	.41	2.25	.46						.78	1.30	.28	.04	.26	.68	1.72				.05		2.06					.15		.12		8.06
Sprapass	K	.30	.13	1.75	.30						T.	2.22	.71	T.	1.32	T.	.08	1.51					1.32	.10	.18							10.84
Tuckaseigee	K	.63	2.00		.13						1.12		.01		1.80	.02	.16					.02	1.30	.10	.20	.10	.05					7.68
Tavenna, Lock No. 12	K	T.	.10	1.40			.05	.06	.04		2.22		.07	.11		.12	.83		T.	T.			.10	.20								7.81
Richmond	K	T.	.15	.75			T.				.85			.18			1.05			T.			.45									5.15
Valley View, Lock No. 9	K	.05	1.10		.03		.08	.05		.45	.64					.35																3.45
Vanceburg, Dam No. 32	O		1.46	.38							.81	1.30			.78	.10	.09	.49		.04	.12		.25									2.59
Whitesburg	K			.90	.97				.20	.18			.04		.21		.40	.09	.20		.19		.56	.84	.05							5.80
Williamsburg																																
Willow, Lock No. 13	K.	.08	1.25			.05		.08		2.45			.15		.08	1.30			.12				.25		.30							6.21

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station. Precipitation is for the 24-hour period, midnight to midnight.

(¶) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

§ Long Oak

Daily Temperatures for August, 1934.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Beaver Dam	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Maximum	82	87	92	92	88	89	92	94	96	94	89	88	89	96	92	85	91	92	90	86	84	87	86	88	76	81	87	87	81	82	91	88.0
Calhoun	Minimum	68	75	74	68	69	68	74	75	74	77	71	72	76	72	74	75	69	71	73	66	65	66	70	69	64	58	65	62	58	51	57	68.1
	Maximum	86	88	94	93	87	92	96	97	97	96	91	92	91	97	93	88	90	93	92	86	84	90	86	86	79	81	87	89	82	82	91	89.6
Earlington	Minimum	67	76	77	67	66	68	78	77	76	75	76	75	76	70	75	79	71	74	75	60	66	67	72	70	66	59	58	60	54	50	57	68.7
	Maximum	82	85	93	90	86	91	95	93	96	95	90	91	88	94	91	87	87	91	90	86	85	88	85	85	78	80	85	87	79	80	88	87.6
Greenville	Minimum	66	73	75	65	64	63	70	71	74	75	73	70	71	68	69	74	68	69	74	60	64	64	70	68	60	60	52	58	58	49	55	65.8
	Maximum	81	88	96	94	86	89	91	94	94	94	87	87	91	94	93	83	92	91	93	84	84	84	84	87	77	82	89	93	82	82	91	88.4
Henderson	Minimum	67	67	67	68	68	68	68	73	74	75	74	72	71	73	74	72	74	69	76	74	60	61	69	66	69	68	52	77	63	51	58	56	67.5
	Maximum	84	86	95	94	85	86	97	96	95	93	99	91	96	98	85	86	92	84	90	85	86	86	82	84	85	88	91	84	84	89	89	89.3
Hopkinsville	Minimum	67	74	75	69	66	68	72	73	73	74	73	74	74	71	70	70	75	73	72	65	65	66	70	68	65	61	64	69	55	54	61	67.9
	Maximum	90	89	95	94	89	95	98	101	101	101	90	100	91	99	91	81	82	86	95	98	83	89	89	83	84	74	79	87	90	80	91	90.3
Lovelaceville	Minimum	65	74	80	68	67	71	74	76	76	72	73	74	71	70	70	74	69	74	74	60	62	65	67	69	64	56	52	57	53	51	54	67.3
	Maximum	86	87	91	91	89	91	98	99	99	98	97	98	100	95	92	86	96	91	84	86	91	88	89	84	86	82	88	87	80	79	90	89.5
Marion	Minimum	66	74	76	69	71	70	76	78	76	76	76	74	72	70	74	72	72	74	72	68	64	64	64	69	66	56	58	58	51	53	59	67.9
	Maximum	89	87	95	92	87	93	99	100	99	98	94	100	97	97	93	90	84	91	94	79	88	85	83	78	88	87	86	89	84	80	89	90.2
Mayfield	Minimum	68	75	77	72	71	73	76	76	78	75	73	73	73	73	72	73	77	71	73	66	63	67	69	70	66	59	58	59	59	56	54	68.7
	Maximum	87	90	95	92	90	97	100	102	98	99	96	99	94	99	96	89	85	93	94	86	84	86	82	85	83	88	90	90	83	83	91	91.3
Murray	Minimum	65	74	75	67	65	67	70	74	74	72	70	73	74	70	67	73	70	71	72	65	62	65	67	67	65	61	53	65	56	50	53	66.5
	Maximum	86	88	90	89	86	87	92	91	92	91	85	89	87	88	91	87	88	91	88	82	83	82	81	81	78	83	85	78	78	87	85	85.6
Owensboro	Minimum	66	74	72	65	66	65	70	78	74	74	71	68	74	70	70	72	68	67	68	61	62	64	67	68	62	66	51	68	51	53	65	66.4
	Maximum	88	90	95	92	90	92	99	96	98	96	91	99	90	99	91	83	87	94	92	83	86	88	90	83	77	81	86	89	80	80	92	89.6
Princeton	Minimum	67	76	75	69	69	70	73	75	77	76	76	74	74	73	70	76	71	73	75	66	65	67	70	70	60	60	56	60	54	55	57	67.8
	Maximum	80	85	92	90	85	94	94	95	98	97	92	97	96	96	96	93	90	88	91	86	85	83	83	87	80	84	79	85	86	74	74	89	88.1
Russellville§§	Minimum	72	67	74	67	64	66	67	73	72	73	74	74	74	70	71	71	70	71	71	64	66	65	70	67	67	63	54	57	56	54	59	67.2
Central Division.	Maximum	78	92	96	87	82	85	87	91	92	93	85	84	88	87	87	82	84	86	86	81	79	82	76	82	72	75	78	81	72	75	84	83.3
Anchorage	Minimum	71	74	66	68	64	66	70	72	72	68	72	70	67	67	69	72	68	65	66	60	62	64	59	65	62	55	51	60	52	52	53	64.4
	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Bardstown	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Maximum	85	85	94	88	82	90	91	94	95	97	95	94	89	95	94	85	89	88	88	83	84	82	78	80	79	83	88	82	80	86	87.5
Bowling Green	Minimum	68	73	78	68	68	66	70	74	72	73	73	71	72	66	70	75	70	70	70	66	65	63	70	69	67	68	55	66	57	54	59	67.3
	Maximum	82	87	90	90	84	85	87	94	93	88	86	86	90	91	91	85	85	88	88	83	84	87	82	81	87	82	83	84	77	78	80	85.0
Danville	Minimum	67	70	66	65	61	63	69	68	71	67	68	69	71	68	69	71	69	64	64	62	63	63	68	69	68	62	50	61	54	48	53	64.5
	Maximum	87	88	91	92	91	87	88	94	94	91	87	89	90	88	92	92	85	90	89	88	84	83	85	81	82	85	81	86	87	85	84	88.1
Dix Dam	Minimum	65	75	66	76	61	66	71	70	72	81	67	71	72	70	72	71	72	64	65	65	65	65	70	72	68	68	59	62	56	51	52	67.4
	Maximum	77	81	79	80	83	76	79	86	85	83	80	84	81	81	86	80	79	80	81	86	83	82	79	88	81	80	81	77	77	77	83	84.9
Eubank	Minimum	68	66	66	64	66	66	69	69	67	65	69	67	69	67	65	67	67	62	63	63	65	64	65	65	67	60	58	60	58	57	56	66.8
	Maximum	83	92	96	94	85	84	85	94	95	89	89	90	96	95	93	85	89	91	91	87	85	89	84	85	80	83	87	80	78	79	90	87.8
Frankfort	Minimum	71	75	66	65	64	66	69	69	71	68	70	71	72	70	69	76	68	64	64	62	61	62	67	72	66	58	52	60	55	50	52	65.4
	Maximum	88	89	95	95	90	97	97	101	100	98	101	104	98	95	95	89	90	95	92	87	86	88	87	87	88	82	85	92	82	82	89	92.2
Franklin	Minimum	68	75	76	71	67	67	74	74	75	75	76	76	76	76	72	72	73	71	73	73	65	66	67	67	68	68	65	66	60	57	54	68.8
	Maximum	81	84	94	94	92	93	87	97	97	97	92	96	97	94	93	86	87	88	88	81	80	88	81	85	78	81	78	77	74	82	88	87.3
Glasgow	Minimum	68	74	74	68	64	64	71	74	74	74	72	72	72	68	71	74	69	70	68	63	66	65	71	68	67	64	54	58	56	53	69	67.6
	Maximum	83	88	94	91	83	91	88	90	98	98	93	93	85	85	93	85	88	88	85	83	77	81	81	83	77	76	85	87	74	82	81	85.7
Greensburg	Minimum	69	72	72	67	72	62	69	70	70	72	67	69	70	68	69	69	66	64	66	61	62	62	69	67	66	62	50	58	53	47	54	66.1
	Maximum	81	90	98	92	88	86	88	97	98	94	91	87	90	92	90	83	87	90	91	83	82	84	84	81	78	78	79	85	82	84	86	87.9
Irvington	Minimum	68	76	76	66	66	67	71	76	76	78	76	70	70	76	72	74	73	71	69	71	63	62	67	64	71	66	60	64	62	55	52	64	67.9
	Maximum	79	85	92	90	79	88	88	95	93	93	85	86	89	90	92	90	82	87	92	90	82	85	85	82	78	78	79	85	82	78	80	86	85.8
Leitchfield	Minimum	67	73	73	68	65	66	72	74	73	75	72	72	74	70	71	75	72	68	70	62	65	66	65	66	66	61	54	57	55	51	56	66.9
	Maximum	77	89	90	90	81	84	86	92	92	82	85	86	91	92	90	79	85	88	88	82	81	85	79	85	80	78	84	82	75	77	84	84.4
Lexington	Minimum	68	74	74	68	64	64	71	74	74	74	72	72	72	68	71	74	69	70	68	64	66	61	62	64	66	67	66	69	51	58	54	49	58	64.9
	Maximum	83	88	94	91	83	91	88	90	98	98	93	93	85	85	93	85	88	88	85	83	77	81	81	83	77	76	85	87	74	82	81	85.7
Louisville	Minimum	69	70	63	65	68	66	69	69	71	76	69	70	72	69	69	69	64	66	68	61	62	64	66	68	66	63	58	61	55	53	47	64	66.1
	Maximum	79	92	92	90	84	84	85	92	94	93	89	90	91	92	91	82	87	91	93	82	84	86	84	86	78	74	81	83	78	78	82	86	85.8
Minimum	69	76	74	71	70	71	72	74	77	72	71	72	77	72	74	74	70	72	69	67	68	68	69	67	65	61	59	63	54	50	50	40	64	67.9
Maximum	78	89	94	93	88	86	88	97	98	94	91	90	88	92	90	91	83	88	91	92	84	84	84	81	78	80	85	88	79	79	87	87	86.5
St. John	Minimum	68	72	72	65	62	65	69	72	72	68	68	68	73	69	69	75	69	71	72	67	66	60	65	69	63	59	50	60	49	50	49	64	67.9
Maximum	82	95	95	91	85	88	85	96	99	97	87	91	93	93	90	89	80	91	91	91	86	85	87	81	84	76	77	83	80	84	75	77	90	87.5
Shelbyville	Minimum	72	73	68	65	61	67	71	71	71	71	67	68	72	73	71	70	72	68	66	67	64	65	70	64	57	62	61	54	50	54	65	67.5
	Maximum	79	92	98	91	81	84	88	91	93	90	85	85	86	89	88	79	85	86	89	83	80	81	80	82	75	77	82	82	76	76	86	84.8
Taylorsville	Maximum	71	72	68	63	61	65	69	69	69	67	68	71	73	77	68	74	69	68	63	62	64	63	65	71	66	59	49	60	55	46	49	64.7
	Minimum	86	95	94	94	87	85	91	96	97	90	89	92	97	97	94	82	92	94	91	88	86	88	82	86	81	85	85	89	81	82	91	89.3
Williamstown	Maximum	66	67	64	66	65	66	68	69	72	76	69	69	73	69	71	74	66	68	65	61	60	63	65	64	54	52	61	53	48	52	64.6
Eastern Division.	Maximum	79	89	86	86	80	83	89	90	94	82	84	86	88	88	89	80	84	89	87	80	80	85	82	84	75	79	80	80	72	75	82	83.6
Ashland	Minimum	66	66	67	70	67	66	68	71	75	69	71	72	71	68	69	72	71	66	65	69	63	61	66	71	69	64	58	62	55	51	54	65.7
	Maximum	85	88	90	91	86	87	87	92	88	88	87	90	82	92	92	83	86	88	89	85	81	87	84	84	81	79	84	81	79	87	86.1
Berea	Minimum	69	73	68	63	63	62	71	69	69	71	69	70	71	67	72	71	69	65	65	64	61	61	58	64	61	59	57	58	53	50	53	64.5
	Maximum	80	83	80	84	76	79	82	85	86	87	85	84	81	86	86	80	87	82	81	88	85	84	80	83	82	81	79	77	78	79	73	75	81.8
Farmers	Minimum	65	67	65	62	62	66	67	69	66	67	69	67	69	...	64	67	69	67	62	62	64	61	61	59	64	68	67	58	59	57	50	58	64.2
	Maximum	83	88	88	86	82	85	83	84	89	77	84	84	86	88	84	84	86	86	85	84	84	82	84	84	81	82	80	80	79	72	80	82.9
Harlan§§	Minimum	71	67	68	69	64	70	68	67	72	69	70	71	65	70	69	74	70	66	68	70	64	66	70	64	66	70	66	70	67	64	57	58	60	85	68	65.6
	Maximum	77	88	91	92	79	88	89	94	95	81	88	91	93	90	92	82	86	89	90	85	84	88	85	86	83	86	88	87	85	82	86	85	77	80	80	80.8
Heidelberg	Minimum	68	68	65	70	65	65	70	70	70	74	69	70	70	67	68	74	70	66	65	66	63	63	66	68	70	64	52	58	55	50	57	65	63	64	58	64.5
	Maximum	84	91	90	91	84	88	92	94	94	90	85	91	94	92	91	84	88	90	89	84	85	85	77	83	80	82	85	83	82	86	84	88	84	84	84	84.8
Maysville	Minimum	66	66	67	67	67	65	70	70	76	67	70	70	68	68	69	72	69	67	66	61	62	62	63	71	63	57	54	60	56	48	53	66.4
	Maximum	...	84	89	92	89	86	92	91	86	87	86	86	90	84	85	91	85	88	85	86	84	86	86	85	83	86	85	85	83	86	81	86.4
Middlesboro	Minimum	...	65	71	66	65	...	64	68	68	67	66	67	65	64	65	66	67	67	66	67	66	64	66	65	64	62	59	61	56	55	56	66.2
	Maximum	92	93	92	92	80	85	90	92	96	80	87	91	91	93	93	84	89	89	90	88	88	87	82	89	82	80	83	84	75	76	80	86.2
Mount Sterling	Minimum	68	68	62	66	63	63	70	68	70	68	65	70	70	67	68	71	64	63	68	62	62	63	66	69	66	60	50	60	53	48	58	64.1
	Maximum	82	86	87	92	...	87	87	93	94	...	86	90	92	...	92	85	89	90	87	79	...	82	88	85	85	81	85	85	79	81	86	86.6
Pippapass	Minimum	65	64	64	69	63	63	64	64	66	...	69	67	67	...	64	69	70	68	68	62	...	62	68	65	68	64	52	54	55	50	52	63.4
	Maximum	78	88	89	93	81	89	90	94	93	88	86	91	91	93	91	84	87	90	88	85	81	82	85	87	85	83	86	86	87	79	82	88	87.1
Quicksand	Minimum	66	66	68	70	65	68	66	69	67	67	68	68	65	66	68	68	65	66	65	62	62	67	66	69	61	51	56	51	46	55	64.0
	Maximum	84	75	87	88	90	78	86	92	93	82	87	87	91	90	77	81	88	86	81	78	84	65	66	68	70	68	62	54	62	54	49	68	66.4
Richmond	Minimum	70	70	64	69	66	66	71	70	73	74	69	71	72	68	71	74	70	66	67	64	65	66	68	70	68	62	54	62	54	53	49	68	67.3
	Maximum	83	89	96	93	90	96	92	94	96	92	93	92	96	93	96	90	91	91	91	85	83	91	85	87	84	87	89	85	87	84	85	89	88	89	89	89.3
Williamsburg	Minimum	70	70	76	70	65	65	77	70	71	72	68	70	72	66	68	71	74	72	67	72	67	68	70	61	73	64	56	58	58	62	54	69	69.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Subscripts indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville 8-26-34-1100

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

THE LIBRARY OF THE
NOV 7 1934
UNIVERSITY OF ILLINOIS

J. L. KENDALL

VOL. XXXIX LOUISVILLE, KY., SEPTEMBER, 1934 No. 9

GENERAL SUMMARY.

Heavy rain early in the month in the extreme northern counties and moderate rain later on in the central and eastern districts benefited pastures and aided fall plowing. Prior to these rains pastures had been inclined to dry, but in the last half of the month they improved slowly. In western districts the rainfall was so heavy as to seriously interfere with all farm activities. Corn and tobacco cutting were delayed, and plowing was possible only in brief intervals during the last three weeks. Plowing in the central and eastern counties, especially on hills and slopes, proceeded with some difficulty on account of dry soil until the heavy rains near the end, which reached all sections and brought satisfactory conditions for seeding.

Low temperatures, abnormal cloudiness, and the frequency of showers delayed the curing of tobacco and caused some sweating. This weather induced more general interest in the heating of barns during the period of drying. The prevailing weather was very unfavorable for making late hay from soybeans, cowpeas, and alfalfa, which had developed heavy foliage and were slow to cure. Much damage resulted, particularly in the western counties, from imperfect drying and from rain on partly cured cuttings.

The cool weather retarded the growth and ripening of late corn and tobacco. As a rule, however, both crops matured in good time. A negligible amount of late tobacco remained out in the hilly districts at the end of the month. The dampness prevented the prompt drying of corn in shock and caused considerable molding. Late potatoes entered the month with poor stands and feeble growth. They improved somewhat but remained generally poor at the end. For seeding to cover crops, which was unusually extensive, the weather continued mainly favorable.

TEMPERATURE.

Persistent cloudiness and frequent rain in the western counties depressed maximum and average temperatures considerably below normal. In the eastern counties, however, more sunshine and much less rain resulted in temperatures above the seasonal average. The extremes were 95° at Danville on the 6th and at Franklin on the 25th, and 39° at Taylorsville on the 26th.

PRECIPITATION.

Except in a limited district in the Salt River Valley and a few counties along the eastern border, where 2.0 to 3.5 inches occurred, the rainfall largely exceeded the normal throughout the State. In the Purchase and bordering counties east and it ranged from 6.0 to 10.6 inches. East of this section districts received from 4.0 to 5.5 inches. The range for the State was between 1.79 inches at Whitesburg and 10.99 inches at Lone Oak near Paducah. Showers occurred in the period 2d-7th, 7-8th, 11-17th, and 22-23d. The rains of the 11-14th were heavy to excessive locally in the western counties. Moderate to heavy rains occurred generally from the 26th to 29th. There were only a few days on which measurable precipitation was not reported. Days with thunderstorms were: 6, 10, 11, 12, 13, 14, 15, 16, 21, 26.

MISCELLANEOUS.

September 8. Heavy hail, which accumulated to a depth of three inches, damaged tobacco and watermelons in a small area near Hopkinsville.

Rivers;---The heavy rains at the end of the month flushed headwater streams, but caused only a slight rise in the Ohio. Pool stages prevailed during most of the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest. Date.	Lowest. Date.	Wind. Av. hourly velocity.	Maximum velocity. Direction.	Date.	Relative humidity 7 a. m.	12 noon	7 p. m.	Percentage of Sunshine.
Cairo ..... Ill.	30.01	30.24	30 29.71	3	7.6	25 nw	16	88	67	76 58
Cincinnati ..... Ohio	30.01	30.35	30 29.72	4	6.3	39 sw.	3	85	62	64 71
Evansville ..... Ind.	29.95	30.33	30 29.68	3	7.8	30 sw.	3	85	62	72 56
Louisville ..... Ky.	30.05	30.34	29 29.75	3	8.4	31 n.	29	86	59	65 56

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889 ...	72.1	+1.6	101	36	1.23	−1.74	12.31	2.47	...	...	...	...	...
1890 ...	67.6	−3.3	95	36	2.71	−0.26	7.29	1.44	...	...	...	...	...
1891 ...	69.5	−1.0	97	42	1.78	−1.16	3.56	0.43	...	...	...	...	...
1892 ...	68.5	−2.0	98	38	2.46	−0.29	5.48	0.61	...	...	...	...	...
1893 ...	69.6	−0.9	98	38	3.24	+0.57	8.25	1.05	...	...	...	...	...
1894 ...	71.7	+1.2	98	35	2.71	−0.26	4.89	1.23	...	...	...	...	...
1895 ...	73.4	+2.9	101	37	1.16	−1.87	4.60	1	0	1	...	...	...
1896 ...	70.6	−1.9	100	39	3.77	+0.80	8.50	0.87	0	11	14	5	11
1897 ...	73.8	+2.3	103	41	0.21	−2.76	1.20	T	0	2	26	4	0
1898 ...	73.4	+2.9	101	37	1.16	−1.87	4.60	1	0	4	17	9	4
1899 ...	70.8	−1.8	103	37	4.20	−1.03	9.20	1.70	0	11	15	6	10
1900 ...	68.5	−4.1	102	35	1.00	−4.31	4.57	0.65	0	6	18	5	8
1901 ...	74.6	+4.1	102	37	2.95	−0.72	8.85	1.05	0	8	18	7	5
1902 ...	70.1	−2.4	98	33	3.57	−0.69	6.46	1.09	0	8	18	7	5
1903 ...	69.3	−3.2	97	39	4.01	−1.04	8.26	1.75	0	11	16	6	8
1904 ...	69.1	−1.1	100	32	0.71	−2.43	2.31	T	0	3	25	3	2
1905 ...	73.1	+0.6	101	37	2.25	−0.41	7.05	0.39	0	6	17	8	5
1906 ...	70.2	−1.3	95	36	2.61	.00	6.16	0.92	0	8	19	6	5
1907 ...	73.2	+2.5	97	45	6.15	+3.18	10.74	2.55	0	13	11	7	12
1908 ...	69.1	−1.4	102	36	3.14	+0.04	6.76	0.38	0	11	17	7	6
1909 ...	71.9	+1.1	100	40	1.03	−1.94	3.24	0.24	0	6	18	7	5
1910 ...	67.7	−3.2	97	36	2.53	−0.46	5.77	0.97	0	8	18	7	5
1911 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
1912 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
1913 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
1914 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
1915 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0	11	13	7	10
1916 ...	67.2	−3.5	95	36	2.68	+0.07	6.34	1.03	0	9	17	7	6
1917 ...	67.7	−2.8	94	34	2.51	−0.41	5.45	0.46	0	12	15	6	9
1918 ...	62.8	−7.7	88	32	3.91	+0.99	6.55	1.44	0	14	11	5	14
1919 ...	71.5	+1.0	100	38	2.93	−0.00	6.05	1.21	0	9	15	7	8
1920 ...	70.5	+0.8	98	38	3.39	+0.56	6.67	1.44	0	9	14	7	9
1921 ...	73.5	+3.9	99	43	2.29	−0.50	4.23	0.73	0	8	14	7	9
1922 ...	73.3	+3.9	100	43	5.37	+2.60	9.45	2.92	0	12	11	11	8
1923 ...	71.1	+1.7	97	39	2.67	−0.12	4.35	1.26	0	9	15	7	8
1924 ...	69.3	−0.1	96	37	3.64	+0.85	6.24	1.46	0	9	17	7	6
1925 ...	72.0	+2.6	97	39	2.53	−0.26	5.77	0.97	0	8	18	7	5
1926 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
1927 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
1928 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
1929 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
1930 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0	11	13	7	10
1931 ...	67.2	−3.5	95	36	2.68	+0.07	6.34	1.03	0	9	17	7	6
1932 ...	67.7	−2.8	94	34	2.51	−0.41	5.45	0.46	0	12	15	6	9
1933 ...	62.8	−7.7	88	32	3.91	+0.99	6.55	1.44	0	14	11	5	14
1934 ...	71.5	+1.0	100	38	2.93	−0.00	6.05	1.21	0	9	15	7	8
1935 ...	70.5	+0.8	98	38	3.39	+0.56	6.67	1.44	0	9	14	7	9
1936 ...	73.5	+3.9	99	43	2.29	−0.50	4.23	0.73	0	8	14	7	9
1937 ...	73.3	+3.9	100	43	5.37	+2.60	9.45	2.92	0	12	11	11	8
1938 ...	71.1	+1.7	97	39	2.67	−0.12	4.35	1.26	0	9	15	7	8
1939 ...	69.3	−0.1	96	37	3.64	+0.85	6.24	1.46	0	9	17	7	6
1940 ...	72.0	+2.6	97	39	2.53	−0.26	5.77	0.97	0	8	18	7	5
1941 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
1942 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
1943 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
1944 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
1945 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0	11	13	7	10
1946 ...	67.2	−3.5	95	36	2.68	+0.07	6.34	1.03	0	9	17	7	6
1947 ...	67.7	−2.8	94	34	2.51	−0.41	5.45	0.46	0	12	15	6	9
1948 ...	62.8	−7.7	88	32	3.91	+0.99	6.55	1.44	0	14	11	5	14
1949 ...	71.5	+1.0	100	38	2.93	−0.00	6.05	1.21	0	9	15	7	8
1950 ...	70.5	+0.8	98	38	3.39	+0.56	6.67	1.44	0	9	14	7	9
1951 ...	73.5	+3.9	99	43	2.29	−0.50	4.23	0.73	0	8	14	7	9
1952 ...	73.3	+3.9	100	43	5.37	+2.60	9.45	2.92	0	12	11	11	8
1953 ...	71.1	+1.7	97	39	2.67	−0.12	4.35	1.26	0	9	15	7	8
1954 ...	69.3	−0.1	96	37	3.64	+0.85	6.24	1.46	0	9	17	7	6
1955 ...	72.0	+2.6	97	39	2.53	−0.26	5.77	0.97	0	8	18	7	5
1956 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
1957 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
1958 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
1959 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
1960 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0	11	13	7	10
1961 ...	67.2	−3.5	95	36	2.68	+0.07	6.34	1.03	0	9	17	7	6
1962 ...	67.7	−2.8	94	34	2.51	−0.41	5.45	0.46	0	12	15	6	9
1963 ...	62.8	−7.7	88	32	3.91	+0.99	6.55	1.44	0	14	11	5	14
1964 ...	71.5	+1.0	100	38	2.93	−0.00	6.05	1.21	0	9	15	7	8
1965 ...	70.5	+0.8	98	38	3.39	+0.56	6.67	1.44	0	9	14	7	9
1966 ...	73.5	+3.9	99	43	2.29	−0.50	4.23	0.73	0	8	14	7	9
1967 ...	73.3	+3.9	100	43	5.37	+2.60	9.45	2.92	0	12	11	11	8
1968 ...	71.1	+1.7	97	39	2.67	−0.12	4.35	1.26	0	9	15	7	8
1969 ...	69.3	−0.1	96	37	3.64	+0.85	6.24	1.46	0	9	17	7	6
1970 ...	72.0	+2.6	97	39	2.53	−0.26	5.77	0.97	0	8	18	7	5
1971 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
1972 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
1973 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
1974 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
1975 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0	11	13	7	10
1976 ...	67.2	−3.5	95	36	2.68	+0.07	6.34	1.03	0	9	17	7	6
1977 ...	67.7	−2.8	94	34	2.51	−0.41	5.45	0.46	0	12	15	6	9
1978 ...	62.8	−7.7	88	32	3.91	+0.99	6.55	1.44	0	14	11	5	14
1979 ...	71.5	+1.0	100	38	2.93	−0.00	6.05	1.21	0	9	15	7	8
1980 ...	70.5	+0.8	98	38	3.39	+0.56	6.67	1.44	0	9	14	7	9
1981 ...	73.5	+3.9	99	43	2.29	−0.50	4.23	0.73	0	8	14	7	9
1982 ...	73.3	+3.9	100	43	5.37	+2.60	9.45	2.92	0	12	11	11	8
1983 ...	71.1	+1.7	97	39	2.67	−0.12	4.35	1.26	0	9	15	7	8
1984 ...	69.3	−0.1	96	37	3.64	+0.85	6.24	1.46	0	9	17	7	6
1985 ...	72.0	+2.6	97	39	2.53	−0.26	5.77	0.97	0	8	18	7	5
1986 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
1987 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
1988 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
1989 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
1990 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0	11	13	7	10
1991 ...	67.2	−3.5	95	36	2.68	+0.07	6.34	1.03	0	9	17	7	6
1992 ...	67.7	−2.8	94	34	2.51	−0.41	5.45	0.46	0	12	15	6	9
1993 ...	62.8	−7.7	88	32	3.91	+0.99	6.55	1.44	0	14	11	5	14
1994 ...	71.5	+1.0	100	38	2.93	−0.00	6.05	1.21	0	9	15	7	8
1995 ...	70.5	+0.8	98	38	3.39	+0.56	6.67	1.44	0	9	14	7	9
1996 ...	73.5	+3.9	99	43	2.29	−0.50	4.23	0.73	0	8	14	7	9
1997 ...	73.3	+3.9	100	43	5.37	+2.60	9.45	2.92	0	12	11	11	8
1998 ...	71.1	+1.7	97	39	2.67	−0.12	4.35	1.26	0	9	15	7	8
1999 ...	69.3	−0.1	96	37	3.64	+0.85	6.24	1.46	0	9	17	7	6
2000 ...	72.0	+2.6	97	39	2.53	−0.26	5.77	0.97	0	8	18	7	5
2001 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
2002 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
2003 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
2004 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
2005 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0	11	13	7	10
2006 ...	67.2	−3.5	95	36	2.68	+0.07	6.34	1.03	0	9	17	7	6
2007 ...	67.7	−2.8	94	34	2.51	−0.41	5.45	0.46	0	12	15	6	9
2008 ...	62.8	−7.7	88	32	3.91	+0.99	6.55	1.44	0	14	11	5	14
2009 ...	71.5	+1.0	100	38	2.93	−0.00	6.05	1.21	0	9	15	7	8
2010 ...	70.5	+0.8	98	38	3.39	+0.56	6.67	1.44	0	9	14	7	9
2011 ...	73.5	+3.9	99	43	2.29	−0.50	4.23	0.73	0	8	14	7	9
2012 ...	73.3	+3.9	100	43	5.37	+2.60	9.45	2.92	0	12	11	11	8
2013 ...	71.1	+1.7	97	39	2.67	−0.12	4.35	1.26	0	9	15	7	8
2014 ...	69.3	−0.1	96	37	3.64	+0.85	6.24	1.46	0	9	17	7	6
2015 ...	72.0	+2.6	97	39	2.53	−0.26	5.77	0.97	0	8	18	7	5
2016 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
2017 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
2018 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
2019 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
2020 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0	11	13	7	10
2021 ...	67.2	−3.5	95	36	2.68	+0.07	6.34	1.03	0	9	17	7	6
2022 ...	67.7	−2.8	94	34	2.51	−0.41	5.45	0.46	0	12	15	6	9
2023 ...	62.8	−7.7	88	32	3.91	+0.99	6.55	1.44	0	14	11	5	14
2024 ...	71.5	+1.0	100	38	2.93	−0.00	6.05	1.21	0	9	15	7	8
2025 ...	70.5	+0.8	98	38	3.39	+0.56	6.67	1.44	0	9	14	7	9
2026 ...	73.5	+3.9	99	43	2.29	−0.50	4.23	0.73	0	8	14	7	9
2027 ...	73.3	+3.9	100	43	5.37	+2.60	9.45	2.92	0	12	11	11	8
2028 ...	71.1	+1.7	97	39	2.67	−0.12	4.35	1.26	0	9	15	7	8
2029 ...	69.3	−0.1	96	37	3.64	+0.85	6.24	1.46	0	9	17	7	6
2030 ...	72.0	+2.6	97	39	2.53	−0.26	5.77	0.97	0	8	18	7	5
2031 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
2032 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
2033 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
2034 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
2035 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0	11	13	7	10
2036 ...	67.2	−3.5	95	36	2.68	+0.07	6.34	1.03	0	9	17	7	6
2037 ...	67.7	−2.8	94	34	2.51	−0.41	5.45	0.46	0	12	15	6	9
2038 ...	62.8	−7.7	88	32	3.91	+0.99	6.55	1.44	0	14	11	5	14
2039 ...	71.5	+1.0	100	38	2.93	−0.00	6.05	1.21	0	9	15	7	8
2040 ...	70.5	+0.8	98	38	3.39	+0.56	6.67	1.44	0	9	14	7	9
2041 ...	73.5	+3.9	99	43	2.29	−0.50	4.23	0.73	0	8	14	7	9
2042 ...	73.3	+3.9	100	43	5.37	+2.60	9.45	2.92	0	12	11	11	8
2043 ...	71.1	+1.7	97	39	2.67	−0.12	4.35	1.26	0	9	15	7	8
2044 ...	69.3	−0.1	96	37	3.64	+0.85	6.24	1.46	0	9	17	7	6
2045 ...	72.0	+2.6	97	39	2.53	−0.26	5.77	0.97	0	8	18	7	5
2046 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
2047 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
2048 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
2049 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
2050 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0	11	13	7	10
2051 ...	67.2	−3.5	95	36	2.68	+0.07	6.34	1.03	0	9	17	7	6
2052 ...	67.7	−2.8	94	34	2.51	−0.41	5.45	0.46	0	12	15	6	9
2053 ...	62.8	−7.7	88	32	3.91	+0.99	6.55	1.44	0	14	11	5	14
2054 ...	71.5	+1.0	100	38	2.93	−0.00	6.05	1.21	0	9	15	7	8
2055 ...	70.5	+0.8	98	38	3.39	+0.56	6.67	1.44	0	9	14	7	9
2056 ...	73.5	+3.9	99	43	2.29	−0.50	4.23	0.73	0	8	14	7	9
2057 ...	73.3	+3.9	100	43	5.37	+2.60	9.45	2.92	0	12	11	11	8
2058 ...	71.1	+1.7	97	39	2.67	−0.12	4.35	1.26	0	9	15	7	8
2059 ...	69.3	−0.1	96	37	3.64	+0.85	6.24	1.46	0	9	17	7	6
2060 ...	72.0	+2.6	97	39	2.53	−0.26	5.77	0.97	0	8	18	7	5
2061 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
2062 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
2063 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
2064 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
2065 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0	11	13	7	10
2066 ...	67.2	−3.5	95	36	2.68	+0.07	6.34	1.03	0	9	17	7	6
2067 ...	67.7	−2.8	94	34	2.51	−0.41	5.45	0.46	0	12	15	6	9
2068 ...	62.8	−7.7	88	32	3.91	+0.99	6.55	1.44	0	14	11	5	14
2069 ...	71.5	+1.0	100	38	2.93	−0.00	6.05	1.21	0	9	15	7	8
2070 ...	70.5	+0.8	98	38	3.39	+0.56	6.67	1.44	0	9	14	7	9
2071 ...	73.5	+3.9	99	43	2.29	−0.50	4.23	0.73	0	8	14	7	9
2072 ...	73.3	+3.9	100	43	5.37	+2.60	9.45	2.92	0	12	11	11	8
2073 ...	71.1	+1.7	97	39	2.67	−0.12	4.35	1.26	0	9	15	7	8
2074 ...	69.3	−0.1	96	37	3.64	+0.85	6.24	1.46	0	9	17	7	6
2075 ...	72.0	+2.6	97	39	2.53	−0.26	5.77	0.97	0	8	18	7	5
2076 ...	71.8	+1.5	98	38	1.11	−1.44	3.57	0.27	0	6	18	6	6
2077 ...	74.3	+3.8	100	38	3.27	+0.74	7.49	1.49	0	9	18	7	5
2078 ...	71.6	+0.8	100	38	1.93	−0.67	4.13	0.42	0	7	18	8	4
2079 ...	69.6	−0.9	100	35	2.17	−0.43	4.17	1.03	0	10	18	6	6
2080 ...	67.7	−2.8	96	36	2.60	−0.01	4.87	1.25	0

Climatological Data for September, 1934.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. .01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Eastern Division.																				
Barren Dam	Ohio	441	30																	Mrs. Lena F. Taylor.
Belmont	McLean	437	20	[a]69.6	−2.6	89[a]	25	46[a]	28	33[a]	5.23	+2.45	1.80	0	13	8	14	8	se.	W. A. Taylor.
Bremen	Hopkins	420	44	69.7	−1.7	92	25	43	17	35	4.99	+2.11	1.63	0	11	16	6	8	sw.	Brick Southworth.
Cerulean	Hopkins										8.97		2.01	0	13					Lockmaster.
Cowan Ferry, Dam 50	Crittenden	386	5											0	11	13	14	3	s.	C. R. Lovell.
Greenville	Muhlenburg	549	17	[a]68.2	−2.8	91[a]	25	43[a]	17†	34[a]	5.15	+2.34	1.75	0	11	13	11	3	s.	Richard Stites
Henderson	Henderson	382	20	69.3		93	25	46	28	32	5.37	+2.58	2.27	0	18	10	12	8	s.	W. E. Graves.
Hopkinsville	Christian	524	38	68.2	−3.9	90	14*	47	17†	36	5.79	+2.64	2.16	0	12	10	5	15	se.	Blaine Malone.
Lovelaceville	Ballard	....	5	69.4		92	20†	44	9†	39	8.09	....	2.18	0	10	12	9	9	s.	B. C. Paris.
Marion	Crittenden	[1] 571	35	70.4	−2.0	90	2†	46	17	36	6.24	+3.31	2.25	0	6	10	9	11	sw.	Mrs. C. R. Sowell.
Mayfield	Graves	364	25	69.7	−2.3	89	25	48	16	31	9.78	+6.73	3.95	0	9	13	11	6	s.	Harry B. Arnold
Murray	Calloway	412	8	68.8		92	11†	43	17	39	9.83	....	2.83	0	11	11	10	9	e.	Henry S. Berry.
Owensboro	Daviess	479	37	67.2	−3.3	87	25	42	29	32	5.63	+2.70	1.87	0	10	13	7	10	s	Lockmaster.
Owensboro, Dam 46	Daviess	404	6								5.44		1.27	0	12					C. J. Rhodes.
Paducah	McCracken	516	17								9.35	+6.36	3.52	0	13	14	5	11		J. W. Lilley
Paducah near	McCracken	341	45								10.99	+7.73	2.84	0	12					Dr. W. L. Cash.
Princeton	Caldwell	529	27	[a]68.6	−2.9	91[a]	20†	48[a]	17†	33[a]	7.29	+4.22	2.57	0	12	11	7	12	s.	Lockmaster.
Ramsey, Lock 2	McLean	384	17								5.12	+1.73	1.43	0	10					Wm. Shelton.
Russellville	Logan	566	23	68.8	−3.1	10	14*	46	17†	36	6.72	+2.89	1.95	0	9	15	7	8	s.	Lockmaster.
Uniontown, Dam 45	Union	357	6								6.12		1.81	0	11					
Central Division.																				Lockmaster.
Addison, Dam 45	Breckinridge	352	6								4.34		1.47	0	14					C. E. Barret.
Anchorage	Jefferson	540	33	[a]66.3	−2.7	85[a]	20	49[a]	38	37[a]	4.16	+1.29	1.82	0	6	19	6	4	se.	Mrs. Emily T. Sisco.
Bardstown	Nelson	657	37	70.2	−1.8	92	10†	42	18†	43	4.58	+1.73	2.00	0	18	14	12	4	s.	Mrs. Lillie G Causey.
Bowling Green	Warren	560	45	69.7	−2.5	89	14	50	17†	29	4.20	+0.86	1.30	0	10	15	12	3	w.	Lockmaster.
Bowling Green, No. 2	Warren	469	9								3.58		0.93	0	10					Lockmaster.
Brownsville, Lock 6	Edmonson	420	17								8.66	+1.40	1.27	0	9					T. A. Lewis
Burnside	Pulaski	773	43								3.21	−0.33	1.20	0	8					Lockmaster.
Carrollton, Lock 1	Carroll	489	35								2.11	−0.83	1.10	0	5					Lockmaster.
Cecil Spring, Dam 36	Hardin	480	8								4.90		1.08	0	10					Ralph C. Wyatt.
Danville	Boyle	940	1	68.8		95	4	44	18†	38	4.76		2.17	0	12	11	12	7	sw.	C. W. Williams.
Dix Dam, Burgin	Mercer	770	6	70.6		90	24	43	18	38	3.79		1.55	0	6	15	9	6	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	30	66.6	−1.9	87	25	42	18	30	2.47	−1.04	0.70	0	14	13	11	6	w.	Lockmaster.
Frankfort	Franklin	560	42	70.3	−0.8	91	24†	44	28	37	5.47	+2.75	1.27	0	11	11	14	5	s.	Marcus Gatewood.
Franklin	Simpson	601	26	71.4	−0.9	95	25	45	17	36	4.15	+1.10	1.86	0	12					Lockmaster.
Gest, Lock 3	Henry	490	23								5.83	−2.70	1.58	0	9	23	6	1	n.	P. L. Beatty.
Glasgow	Barren	780	8					46	19		5.84		3.05	0	6					Lockmaster.
Gratz, Dam 38	Boone	780	9								3.28		1.31	0	13	4	4	22	se.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	41	67.6	−2.0	90	11	42	18	35	4.75	+1.80	2.15	0	11					Lockmaster.
Irish Bridge, Lock 7	Jessamine	544	32								3.82	+0.85	1.75	0	10	12	10	8	sw	W. J. Piggott
Irvington	Breckinridge	646	36	69.0	−1.3	89	20	44	28	31	4.38	+1.44	1.06	0	10	12	10	8	sw	Walter Killion.
Lancaster	Garrard	1032	8																	H. H. Willis.
Leitchfield	Grayson	635	38	69.4	−0.4	92	25	46	28	32	4.23	+0.75	1.74	0	9	10	15	4	sw.	U. S. Weather Bureau
Lexington	Fayette	989	50	69.0	+0.5	90	24	44	18	36	4.84	+1.74	2.15	0	13	15	9	6	n.	Lockmaster.
Litteberman, Lock 8	Jessamine	540	23								4.16	+0.67	1.78	0	8					Lockmaster.
Locport, Lock 2	Henry	485	21								4.84	+1.95	2.52	0	10					U. S. Weather Bureau
Loretto	Marion	725	61	69.4	−1.1	89	25	47	23	29	3.07	+0.29	1.44	0	15	8	15	7	s.	Sisters of Loretto.
Louisville	Jefferson	550	38	68.2	−1.1	90	25	42	28	32	3.29	+0.29	1.10	0	9	18	4	8		Lockmaster.
Louisville	Hardin	777	38	68.2	−1.1	90	25	42	28	32	5.13	+1.94	1.52	0	8					Lockmaster.
Salvisa, Lock 6	Mercer	520	20								3.59	+0.87	0.89	0	10	13	6	11	se.	Miss Ruth Jatta.
Shelbyville	Shelby	825	45	70.2	+0.9	93	25	43	28	35	2.67	−0.56	1.25	0	11	21	8	1		Elizabeth J. Bourne.
Taylorsville	Spencer	492	32	[a]67.4	−0.6	85[b]	11†	39[b]	28	36[b]	5.88	+2.90	1.66	0	9					Lockmaster.
Tyrone, Lock 5	Anderson	524	16								4.28	+1.20	1.30	0	13	20	3	7		Miss Nettie B. Simpson.
Williamstown	Grant	943	31	71.0	+2.4	94	25	43	28	42	4.16	+1.20	1.30	0	13					Lockmaster.
Woodbury, Lock 4	Butler	504	17								4.22	+1.36	1.20	0	11					
Eastern Division.																				W. A. Worthington.
Annville	Jackson										4.95		1.49	0	11	7	14	9	sw.	Lockmaster.
Ashland	Boyd	534	15	70.4	0.0	90	24	46	28	34	2.66	−0.25	1.51	0	8	12	11	7	w.	Chas. G. Graham.
Berea	Madison	1070	22	69.8	+0.5	91	14	45	28	38	5.41	+2.55	1.93	0	10	14	11	5	sw.	Lockmaster.
Cobhouse Hill, Lock 11	Madison	611	24								4.84	+1.53	1.45	0	13					P. H. Kehoe.
Carlisle	Nicholas	611	16								4.03	+0.42	1.75	0	11					J. V. Oldham.
Carrollton	Pendleton	600	45								4.16	+1.76	0.96	0	15					Mrs. R. F. Stamper.
Falmouth	Pendleton	766	26	67.4	−0.8	87	11	42	28	36	1.40	+1.40	1.56	0	8	17	8	5	e.	C. A. Glascock
Farmers	Rowan	841	9								4.94		1.49	0	8					Lockmaster.
Farmingsburg	Fleming	811	9								4.11	+0.68	1.65	0	13					Col. Frank Powers.
Ford, Lock 10	Clark	607	18																	Lockmaster.
Grayson	Carter	549	9								2.38	−0.05	1.59	0	9					W. W. Duffield.
Greenup, Dam 30	Greenup	540	14								2.13		0.85	0	10	11	6	10	n.	Robert Burgess
Harlan	Harlan	1197	6	[a]69.6		85[a]	14†	52[a]	5†	28[a]	4.44		1.05	0	11					Chas. O. Brig.
Hazard	Perry	889	10								3.67	+0.16	1.38	0	17	7	8	15	sw.	Lockmaster.
Heidelberg, Lock 14	Lee	668	17	70.4		91	24	48	18	39	4.20		0.99	0	9					H. P. Davidson.
Jenkins	Letcher	1366	10								3.70	+1.03	2.60	0	8					Lockmaster.
Louisa	Lawrence	581	30								5.12	+2.04	2.20	0	8					Jennett H. White.
Manchester	Clay		14								5.62	+2.62	1.33	0	13	16	8	6	e.	Lockmaster.
Maysville	Mason	524	37	69.6	+0.1	91	25	44	17	33	2.46	−0.32	1.08	0	8	19	11	0		Matthew Woodson
Middlesboro	Bell	1128	35	69.8	+0.9	94	21	48	6†	35	4.56	+1.49	1.75	0	13	16	11	3	w.	W. B. McKee.
Mount Sterling	Montgomery	960	14	69.1	+1.1	91	14†	41	18	37	4.01	+1.07	1.17	0	12					Lockmaster.
Oregonia, Dam 38	Pendleton	497	7								6.15		1.18	0	9					Manuel Robinson.
Owingsville	Bath	787									3.28	−0.12	1.38	0	8					Robert Burgess
Pineville	Bell	926	28								1.69		1.10	0	13	19	1	10		F. W. Smithmerfield.
Poppertown	Knott	1025		71.6		91	25	49	5†	36	6.46		1.86	0	10					R. W. Jones.
Richmond	Brentlitt	772	8	70.9		92	24	48	18†	35	4.58	+0.09	1.05	0	13					Lockmaster.
Rockcastle, Lock 12	Estes	631	16								4.47	+0.85	1.82	0	10	14	1	15		F. W. Crooke.
Rockwood	Madison	696	49	70.1	−0.4	89	25	47	18	27	4.85	+0.92	2.00	0	11					Lockmaster.
Valley View, Lock 9	Madison	571	21								8.38	+0.70	1.50	0	13					Lockmaster.
Vanceburg, Dam 34	Lewis	525	19								1.70		0.60	0	10					G. H. Zimmerman.
Versailles	Woodford	1142	9								3.78	+0.21	1.17	0	9	18	12	0		H. F. Davis.
Wilmington	Wadley	959	37	70.0	−0.5	92	10†	42	17	36	3.97	+0.56	2.16	0	9					Lockmaster.
Zoneton, Lock 13	Lee	646	15																	
State averages and extremes				69.2	−1.3	95*	4†	39	28	42	4.82	+1.85	3.95	0	10	13	9	8	s.	

All temperature data are taken from self-registering thermometers.

Only stations having records from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published in the respective section or division means.

[1] Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, "a", "b", appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. † Received too late to be included in means and summaries. ‡ Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

Observers' addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Scott, Independence, Ky.

Operator, California, Ky.

Daily Precipitation for September, 1934.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G																															
Calhoun	G		T	.50	.16		T	.26				.80	.05		.11	.38						.16	.82									
Carlington	G				.13			.46	.09			.02	.09			.42							.66									
Fords Ferry Dam 50	O			.10	.74			.10	.06			.47	2.40	T	T	.03	.74						.08									
Greenville	G			.82					.02			.15	.25		.02	.36																
Henderson	O		.07	.54			.14	.14				.25			.11	.26						.27	.22									
Hopkinsville	C		T	T	.38		T	.80	.51			.04	.64	.03			.18				T	.14									
Jamesonville	M		.10	.30				.12				.20	.40	2.10	.95																
Marion	O		T	.80				.30			.80					1.04															
Mayfield	M		T	.50			T					1.28	.18	1.25	.87	T															
Murray	T		T	.20			T	.87				1.20	.42	1.40	.52	.80															
Owensboro	O			T	.66			.25				.35	.52			.10	.18														
Owensboro, Dam 46	O			T	.66			.20	T			1.00	.80	.02	T	.01	.30														
Paducah	O		.28	.23			.10	.28	T				1.52	.69	.61	.04	.11														
Paducah (near)	O	2.12	.25			.62						2.60	.70	.52	1.02	.02					.07	1.03									
Princeton	C	.15	.30			10	1.55					.42		.15	.03	.88					.70										
Russell, Lock No. 2	G			.24			.22					.62	1.43			.11	.30														
Russellville	G			.53			.47	.01									.61						.45								
Uniontown, Dam 49	O		.10	.37			1.81	T	T			.14	.65		T	.27	.03						.51								
Central Division																																
Addison, Dam 45	O			.28	T			.46	.16			.48	.24		.02	.67	.05						.30	.02				.01	.66			
Anchorage	O		T	.14				T		.31						.84	.41														
Bardstown	S			.28				.14				.06		.03	.23		.62				.85		.88								
Bowling Green	G			.05				.40							T		.92	.20					.84								
Bowling Green, No. 2	G			.45				.05									.03						.04	.20							
Brownsville, Lock No. 6	G			.62				.80	.01				.22				.53						.04	.14							
Burnside	C			.77	.10			.07	T							T	.12	.06					T								
Carrollton (Lock No. 1)	K							.81				.05																			
Cold Spring, Dam 36	O			.04	T			.20	.46				.40		T	.09					T	.22									
Danville	K			.06				.21				T		.03	.14	.06	.03	T			.19										
Dix Dam, Burgin	K		.51		.22		.10					.65		.15	T		T														
Eubank	C			.46																	.47										
Frankfort	K																	.20													
Franklin	C			.24				.78	.04			.02	T	.80	.08	.05	.16						.74	.20							
Gest, Lock No. 3	K		.20	.57				.34								.15	.11						.18								
Glasgow	O			.76				.55	.04			T		1.40		.14	.18						.21								
Grant, Dam 38	O	T	T		T	.17							.82		.05		.34						.27								
Greensburg	C			.80				.08	.07			.13			.03	.26	.15	.01													
High Bridge, Lock No. 7	K			.62	.61			.18	.16						.12		.12	.01					.13	.17							
Irvington	G		T	.24			T	.82				.41			.02	.28	.14						.16								
Lancaster	K																						1.90								
Leitchfield	G			.07	.25			.16							1.01																
Lexington ***	K	T		.01	.18			.16				.11		.03	.08	.14	.02						.18								
Little Blackman, Lock No. 8	K				.65			T	.23							.32	T	.28					1.12	T.							
Lockport, Lock No. 2	K			.11			.23					.92	2.52			.22															
LOUISVILLE ***	O			.01	.07		.62	.68	T		.06	.28				.02	.73	.01			.07	.12				12	.42	T			
St. John	S	T.			.08	T.		.65	.12			.10			T	T	.54					.28	T								
Salvisa, Lock No 6	K	T.			.60			.87							.24	T	.32														
Sandyville	S	.50			.15			.18								.04	.58														
Taylorsville	S		T		.18			.21									.45														
Tyrone, Lock No. 5	K				.45			.17				.05	T.	.65	T		.45						.21								
Williamstown	L				.12			.27	.12						.15	.82							.84								
Woodbury, Lock No. 4	G				.39			.85	.60			.04	.30	.52	.18		.05						.10								
Eastern Division																																
Annville	C			.45	.23								.24	.05	.42		.20						.03								
Ashland	O																														
Avella	K												.06	.09	.22		.47				.01										
College Hill, Lock No. 11	K	.32			.10	.79		.08	.10				.10	.03		T	.24	.10													
Cynthiana	L	.05			.08								.05	.45		T															
Eastmanville	L				.24	T.		.11	.42			T.	.55	.28	.02	.04	.01						.25	.65							
Farmers	L		.11		.21									1.36		.11	.28														
Fleminsburg	L				.10								1.17	.12		.21															
Ford, Lock No. 10	K			.81	.08		T.	.03				.61	.24	.37	.02	.06	.05						.16	.15							
Georgetown	O																														
Greenup, Dam 30	O				.03																										
Harlan	C											.01	.19			.01	.01						.09								
Hazard	K			.20	.14			.20							.05		.10	.28													
Heidelberg, Lock No. 14	K	.06	T.		.11	.29		.06				.31	.36	.16		.28	.26	.05													
Jenkins	K											.03	.15	.25		.06	T														
Louisa	B										.71	.99			.16		.12						.12	.18	.30	.07	.09				
Manchester	K							.10					.35	.10		.10															
Maysville	O	1.38			.16									.01			.32						.09								
Middlesboro	C											.05	.72	T	.40																
Mount Sterling	L				.28			.78				.65		.28	.02		.24														
Ogden's Dam 35	O				.1			.40	.07			.22	.11	.06	T	.04															
Paintsville	B					.20						.19				.06	.02						T	.02							
Pikeville	B					.18		.11				.62	1.48	.70		.21	.06														
Pippapass	K			.39			.85	.03				.12	.33					T					.05								
Quicksand	K	.25			.57							.18											.30		.49	.10	.35	.10			
Ravenna, Lock No. 12	K	.46		.32	.14			T				.28	T.	.68		.81	.20														
Richmond	K			.20			T	.12				.55	.10	T	T.	.12															
Valley View, Lock No. 9	K			.52			.69					.61	.25		.02	.46	.03				.10	.15									
Vanceburg, Dam No. 32	O			.03	.09			.24					.50	.21	.60	.10	.06														
Whitesburg	K	.62					T						.04	.34				.02					.10								
Williamsburg	C				1.00			.15					.64				.10							.40	.21	.04	.11	.22	.22			
Willow, Lock No. 13	E			.37								.10	.04	.75		.05	.03														

Excess as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

|| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *Precipitation included in the next following measurement.

2Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

‡Loose Oak

Daily Temperatures for September, 1934.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Calhoun	Maximum	87	82	84	73	82	78	74	69	70	87	81	85	82	88	83	70	75	..	84	82	86	69	71	88	89	88	88	80	79	72	66	..	79.8
	Minimum	69	65	66	57	52	57	61	56	49	56	66	64	60	63	68	55	49	..	48	62	65	58	57	55	64	67	62	46	68	57	..	959.4
Lexington	Maximum	89	84	82	74	83	80	77	69	78	89	88	87	82	90	85	68	75	78	85	91	87	69	72	89	92	86	82	73	72	66	..	80.6
	Minimum	70	67	66	57	51	58	61	54	49	55	67	64	61	68	68	50	54	49	46	54	62	58	58	58	54	61	68	52	44	61	57	..	58.8
Greenville	Maximum	87	87	86	73	81	80	..	..	75	79	86	78	85	82	90	84	75	72	78	85	89	86	68	76	81	91	85	80	72	71	64	..	977.5
	Minimum	67	65	65	55	48	52	..	..	52	48	57	63	60	66	64	66	52	48	44	50	67	62	58	56	58	59	64	51	63	62	57	..	854.5
Henderson	Maximum	89	83	83	74	83	83	74	70	79	87	79	88	86	87	85	73	76	79	85	91	85	67	70	87	93	84	81	77	71	68	..	80.8
	Minimum	67	64	65	54	51	61	57	56	56	64	65	64	65	64	65	61	46	46	44	54	63	64	56	54	58	66	68	49	46	63	56	..	57.8
Hopkinsville	Maximum	87	88	86	74	83	84	76	80	82	87	78	76	81	90	80	75	78	79	78	86	86	70	70	90	79	79	80	67	71	65	..	78.8
	Minimum	64	62	65	54	48	48	59	58	49	56	65	65	61	65	65	61	55	47	47	55	61	63	59	58	55	62	63	52	47	62	56	..	57.1
Lowisaceville	Maximum	89	88	82	76	83	84	73	72	69	88	91	88	82	86	90	82	70	76	81	84	90	82	72	74	90	92	88	76	70	73	66	..	80.8
	Minimum	66	65	65	51	45	54	59	52	44	54	63	68	64	65	64	49	44	45	55	59	61	54	56	53	63	65	62	45	62	54	..	56.3
Marion	Maximum	88	90	90	85	83	74	70	65	75	88	80	84	83	84	84	75	70	80	84	88	89	84	84	87	90	86	86	75	66	61	..	80.8
	Minimum	77	70	68	69	54	54	56	49	54	60	68	64	66	64	59	60	46	52	52	64	67	62	64	61	66	68	66	48	54	54	..	59.9
Mayfield	Maximum	86	83	80	76	80	78	73	70	80	87	86	83	82	87	82	74	75	78	83	88	84	76	77	88	88	86	86	79	69	73	65	..	79.9
	Minimum	73	67	65	53	62	57	60	54	49	59	65	65	64	65	66	48	49	48	57	66	66	57	66	66	67	66	70	64	50	62	55	..	59.5
Murray	Maximum	90	82	86	75	84	78	76	69	82	91	78	86	85	92	87	70	75	82	86	92	86	69	80	91	92	79	73	71	72	65	..	81.0
	Minimum	65	58	63	52	45	51	60	54	46	53	61	62	64	64	63	50	43	44	58	57	58	57	55	54	59	65	53	48	64	52	..	55.6
Owensboro	Maximum	87	82	82	71	79	78	73	70	76	85	80	83	82	84	84	74	71	74	80	86	87	70	70	87	92	83	80	65	69	62	57	..	77.9
	Minimum	64	61	65	54	49	55	58	55	47	54	62	62	64	65	65	52	48	45	51	60	60	57	52	53	60	65	60	49	62	57	..	56.5
Princeton	Maximum	90	81	81	74	84	75	70	68	80	88	78	86	83	88	85	72	75	82	89	84	91	69	74	79	84	91	85	..	..	72	71	64	179.4
	Minimum	68	65	66	56	50	57	60	55	49	56	65	64	67	66	63	52	48	48	57	61	62	56	58	57	..	..	51	49	63	50	..	57.9
Russellville§§	Maximum	87	86	85	73	81	82	73	72	81	87	80	86	82	90	86	73	80	83	90	85	71	80	89	89	88	85	70	65	70	70	..	79.8
	Minimum	64	61	67	56	50	53	58	53	49	53	62	63	65	64	66	56	46	46	47	62	62	65	58	55	63	63	57	47	63	61	..	57.9
Central Division.																																	
Anchorage	Maximum	83	..	82	76	76	71	71	73	74	82	76	81	82	82	89	70	69	72	76	85	84	72	74	82	85	82	72	71	70	68	..	976.9
	Minimum	64	..	66	53	49	58	56	54	48	52	62	58	63	62	64	53	45	44	46	48	62	60	53	60	63	68	63	48	60	62	..	955.7
Bardstown	Maximum	90	..	85	76	86	83	80	80	86	92	85	89	87	91	88	80	77	81	87	92	86	81	83	92	93	88	82	75	72	68	..	83.8
	Minimum	62	62	63	53	48	52	59	52	48	51	61	59	64	63	65	58	48	42	45	55	61	66	53	58	60	68	68	58	42	63	58	..	56.6
Bowling Green	Maximum	87	84	85	77	80	80	75	76	80	88	79	86	84	89	84	76	75	76	81	87	85	80	80	86	87	86	79	72	70	66	..	80.5
	Minimum	64	62	67	56	53	55	59	55	54	56	62	62	64	63	64	55	50	50	52	59	65	66	60	57	63	66	66	60	63	60	..	58.9
Danville	Maximum	86	83	83	76	77	79	76	78	81	85	86	86	79	87	77	78	73	77	83	88	88	84	82	90	87	82	82	72	82	72	69	..	81.0
	Minimum	61	61	61	58	47	47	58	58	52	58	61	61	62	61	64	65	56	45	53	63	64	66	54	60	62	57	64	62	57	54	58	..	56.5
Dawson	Maximum	84	85	85	81	80	81	82	83	85	88	83	84	84	85	89	83	75	76	78	85	88	79	82	85	90	89	83	76	83	73	68	..	82.6
	Minimum	67	65	64	60	59	51	61	51	54	63	64	67	66	63	63	55	51	48	47	55	65	66	59	61	64	59	63	45	65	62	..	58.7
Dix Dam	Maximum	83	80	84	73	78	76	73	71	70	83	80	78	84	77	81	70	73	76	76	80	81	78	87	84	81	77	78	65	..	..	..	..	82.0
	Minimum	63	59	64	53	46	52	56	54	48	52	59	58	61	60	54	46	42	42	46	48	56	58	58	56	58	57	56	46	58	56	..	..	55.1
E. Bank	Maximum	89	88	87	79	83	84	79	77	79	87	84	86	85	89	86	77	78	80	84	88	89	84	86	89	90	87	84	77	78	65	..	..	82.4
	Minimum	63	58	63	57	50	54	51	51	53	54	56	56	59	55	51	48	50	42	55	59	61	64	60	58	57	56	61	47	49	51	..	..	55.1
Frankfort	Maximum	89	88	86	79	82	85	77	79	82	90	86	85	83	87	89	82	78	77	77	84	89	88	82	85	91	93	86	76	81	77	72	..	82.4
	Minimum	66	61	68	60	51	52	59	56	52	54	63	63	66	62	64	65	57	48	46	48	52	62	66	66	66	66	66	61	58	41	68	..	57.7
Franklin	Maximum	90	85	86	74	84	84	76	77	86	90	79	89	86	94	88	78	77	82	88	92	89	79	88	94	95	87	79	75	72	66	..	..	83.5
	Minimum	67	65	68	57	52	54	58	54	52	56	64	64	66	67	55	48	49	50	48	53	63	65	66	58	58	66	68	56	60	63	56	..	59.3
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	61	60	59	58	48	52	56	51	49	58	63	60	65	62	61	56	55	56	46	50	61	66	58	55	65	66	60	49	62	54	..	..	56.9
Greensburg	Maximum	89	78	86	79	77	71	70	70	84	84	86	76	76	84	74	76	79	82	86	86	77	81	87	81	79	83	76	70	65	..	..	..	79.5
	Minimum	62	59	61	57	46	48	59	62	60	57	62	58	62	59	62	55	48	42	44	53	56	55	57	54	57	59	58	44	66	58	..	..	55.6
Irvington	Maximum	86	85	84	76	79	78	72	72	77	84	76	85	81	86	86	71	71	73	80	86	85	75	77	86	88	85	75	76	72	66	..	..	79.0
	Minimum	69	65	65	57	52	56	60	62	56	56	64	64	68	66	66	55	50	47	52	62	67	62	58	54	63	69	62	44	68	58	..	..	58.9
Litchfield	Maximum	85	82	84	73	80	80	74	73	81	87	80	86	82	89	85	69	72	76	82	89	85	69	77	86	89	87	84	77	78	71	65	..	80.3
	Minimum	67	64	68	56	51	55	59	53	50	56	64	63	66	64	65	54	50	48	50	60	65	64	64	55	64	65	64	48	63	58	..	..	58.6
Maceo	Maximum	87	86	84	79	81	82	78	77	81	86	86	87	82	87	86	73	76	77	84	88	89	81	81	90	89	85	86	81	69	70	..	..	80.7
	Minimum	67	64	67	59	51	55	58	56	53	57	63	63	66	64	65	56	50	48	50	60	65	64	62	56	65	67	64	48	63	58	..	..	58.6
Lexington	Maximum	89	84	82	78	77	79	74	74	78	84	81	86	86	87	88	78	78	80	84	88	89	81	81	90	89	85	86	81	69	70	..	..	80.7
	Minimum	62	61	62	59	51	52	58	57	55	55	60	62	65	65	66	55	49	44	48	58	62	65	57	60	62	65	58	45	51	59	..	..	57.3
Louisville	Maximum	85	80	84	69	80	79	72	71	79	85	77	84	81	86	83	69	72	74	81	87	85	71	79	85	89	82	76	76	72	66	..	..	78.7
	Minimum	71	66	66	58	55	61	60	55	55	57	65	64	67	67	61	55	51	52	55	62	68	66	58	58	63	66	62	47	63	62	..	..	61.0
St. John	Maximum	86	82	82	72	80	82	79	76	76	87	86	76	86	89	86	70	71	83	86	89	86	70	77	85	89	86	86	75	70	70	..	..	81.0
	Minimum	65	64	67	59	49	47	49	47	50	55	55	57	54	63	66	48	46	46	46	60	67	55	50	56	70	55	42	50	58	..	..	..	55.3
Shelbyville	Maximum	88	85	86	78	83	83	77	77	81	90	86	89	86	90	85	76	72	74	81	89	90	80	84	88	90	85	76	78	69	69	..	..	82.3
	Minimum	66	63	67	58	50	55	59	51	49	55	64	60	63	64	66	55	50	47	51	56	66	58	53	53	63	54	43	63	58	..	..	..	56.0
Taylorsville	Maximum	85	83	84	73	77	79	74	74	78	84	81	86	86	87	85	79	72	73	..	80	88	85	76	84	84	83	82	75	71	66	..	..	78.8
	Minimum	65	59	66	58	45	50	56	54	48	49	64	56	62	61	62	55	47	44	47	54	..	66	54	..	61	58	58	55	59	60	..	..	55.8
Williamstown	Maximum	82	80	80	82	86	86	76	79	82	86	86	87	88	88	86	77	78	84	85	86	90	83	86	91	94	89	78	85	72	72	..	..	81.2
	Minimum	66	63	65	59	51	55	67	66	63	57	68	60	59	63	64	55	47	46	50	55	66	65	55	60	64	62	61	48	63	58	..	..	57.9
Eastern Division.																																	
Ashland	Maximum	84	83	83	79	74	81	78	80	83	84	88	87	81	87	81	71	72	76	79	85	88	85	87	90	88	88	82	80	78	72	..	..	81.2
	Minimum	68	62	59	61	52	52	60	62	58	56	66	62	66	67	64	54	49	50	52	63	63	62	62	64	64	64	64	46	66	63	..	..	59.6
Beech	Maximum	82	86	84	80	76	82	79	80	84	86	87	84	91	87	77	77	77	80	80	86	86	82	85	87	86	86	87	83	81	77	..	..	83.0
	Minimum	55	56	59	59	50	49	55	56	58	53	60	60	63	64	59	57	51	46	46	51	67	67	59	59	62	66	57	45	45	51	..	..	56.7
Farmers	Maximum	83	83	84	74	80	78	79	80	84	87	81	82	78	77	82	74	79	80	83	81	82	81	82	83	84	83	82	76	76	75	70	..	80.0
	Minimum	49	54	54	61	47	56	53	53	54	59	61	63	61	48	52	54	48	48	46	49	57	60	56	53	61	61	61	42	63	58	..	..	54.8
Harlan§§	Maximum	82	80	80	80	82	76	77	80	82	83	82	85	78	74	76	76	78	82	82	80	84	85	85	82	72	81	..	..	..	..	..	..	78.6
	Minimum	60	58	57	60	62	55	58	57	60	62	63	66	65	64	64	62	57	60	51	56	54	59	60	58	60	62	62	43	60	68	..	..	59.8
Heidelberg	Maximum	86	86	87	72	78	82	76	81	85	88	87	88	85	90	82	72	73	78	82	86	87	84	89	91	87	85	78	80	81	76	..	..	82.8
	Minimum	60	61	58	62	49	50	58	57	54	54	57	62	62	64	61	56	48	49	50	58	59	57	57	57	65	66	63	45	57	59	..	..	57.0
Minimum	Minimum	60	61	58	62	49	50	58	57	54	54	57	62	62	64	61	56	48	49	50	58	59	57	57	57	65	66	63	45	57	59	..	..	57.0
Maysville	Maximum	87	87	85	80	80	85	76	80	82	88	87	88	85	86	81	77	76	76	80	87	89	82	84	90	91	91	86	78	78	77	..	..	82.0
	Minimum	68	66	61	60	49	51	58	60	54	57	62	63	62	68	63	58	51	47	51	61	65	59	60	61	66	67	64	50	46	53	60	..	57.2
Newport	Maximum	84	82	84	78	77	79	74	74	78	84	81	86	86	87	85	79	73	76	76	80	86	83	84	87	87	87	84	78	78	77	..	..	81.8
	Minimum	63	66	66	59	48	51	55	57	56	51	59	60	61	57	60	56	49	48	51	56	59	58	57	59	64	64	64	56	57	59	..	..	56.8
Paris	Maximum	87	87	86	77	81	82	80	83	88	89	86	87	87	88	86	77	77	80	84	91	89	88	86	89	91	91	87	74	74	71	..	..	82.3
	Minimum	62	62	58	56	49	47	59	57	52	53	58	58	58	62	63	63	52	48	43	44	51	62	52	56	60	62	62	44	62	59	..	..	55.6
Paynes	Maximum	85	85	87	81	79	82	80	87	87	89	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	58	57	53	53	46	49	56	52	51	50	55	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum	88	88	87	78	86	83	78	82	86	89	90	86	87	90	82	73	75	79	83	79	88	85	88	92	91	85	72	84	83	74	..	..	83.4
	Minimum	64	64	57	57	49	50	54	56	57	56	56	61	62	64	62	61	55	48	48	49	57	57	60	60	59	61	60	41	60	61	..	..	56.6
Richmond	Maximum	85	85	85	84	67	78	80	75	77	80	86	82	81	87	79	77	84	71	78	83	87	87	85	89	89	89	85	84	84	75	..	..	82.0
	Minimum	59	55	62	60	53	50	55	57	58	62	65	61	67	65	57	56	47	46	47	55	57	60	60	61	65	66	64	48	65	64	..	..	58.7
Williamsburg	Maximum	82	82	80	80	81	83	80	82	84	86	89	84	86	89	84	77	80	82	84	86	87	84	84	87	87	87	84	77	74	73	..	..	83.3
	Minimum	62	62	59	60	61	53	60	62	54	56	59	64	62	65	62	59	51	52	52	59	61	64	61	63	64	64	61	51	58	59	..	..	59.7

Station names are read by the observers; the maximum temperature (top row) is charged to the preceding day, on which it almost always occurs
[illegible] reported [illegible] days missing from record.

W. B. O. Louisville [illegible]

TC5
NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

THE LIBRARY OF THE
OCT 5 1934
OF ILLINOIS

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XXXIX LOUISVILLE, KY., OCTOBER, 1931 No. 10

GENERAL SUMMARY.

Dry weather during the first half favored all farm activities, especially in the western counties, where too much rain late in the preceding month had interfered with preparations for seeding. The remnant of the tobacco still out in the hilly districts was cut and housed in good condition. The high temperature of the second week and in the decade following the middle of the month provided weather unusually satisfactory for curing this late tobacco. During this fine weather considerable late hay was cut and cured. In the extreme western counties some fifth crop alfalfa was harvested. Late potatoes continued to grow until the 29th, when heavy to killing frosts in the northern districts checked their progress. The showers of the last half were helpful to this crop but not sufficient for its needs on the central and eastern uplands.

Pastures improved somewhat in the first decade but deteriorated toward the close because of high temperature and deficient rainfall. Hill pastures dried seriously in the central and eastern sections. They remained fairly good throughout the month in western districts, which had a larger supply of subsoil moisture and received more rain.

Wheat sowing proceeded under favorable conditions until near the middle of the month, after which the ground became too dry in places. As a rule the soil contained sufficient moisture to bring up the seed, and the showers of the last half generally supported growth. In the drier sections growth was hardly as rapid or complete as desirable. The moisture received remained near the surface and was readily lost under the influence of the sunshine and high temperature.

Shocked corn dried out and gathering commenced generally. The work revealed that considerable damage had occurred from molding during the dampness of the preceding month. The weather favored threshing of lespedeza and baling of hay, but was generally too dry for handling tobacco.

TEMPERATURE.

Except for brief intervals at the beginning, middle and end of the month, temperatures above normal prevailed. The weather was especially warm in the periods 4–11th and 20–26th. It was unseasonably cold from the 28th to 30th, when minima of 25° to 30° were registered generally over the State. A maximum of 88° occurred at Henderson on the 11th, Fowling Green on the 21st, and Murray on the 25th. A minimum of 22° was reported from Farmers and Middlesboro on the 29th.

PRECIPITATION.

The rainfall averaged about one-third of the normal amount. In the northeastern counties and a broad belt extending southwest through the center of the State it ranged from 0.25 to 1.00 inch. Westward and southward from this dry section most stations reported from 1.00 to 2.00 inches. Light to heavy rains occurred rather generally on the 18th, and there were showers at most stations on the 26th. A few western and southern stations received moderate to heavy rainfall on the 31st. Scattered showers occurred on the 1st, 6th, 10th, 21st and 29th. The range for the State was between 0.02 inch at Grant, Boone County and 3.36 inches at Middlesboro. Days with thunderstorms were: 17, 20, 24, and 31.

MISCELLANEOUS.

October 31.—Severe windstorms caused damage estimated at $350,000 in the counties of Hart, Green, Taylor, Casey, Pulaski, Rockcastle and Laurel. In Casey County the storm path was one-fourth to one mile in width and 18 to 20 miles long, with the characteristics of a tornado. One person was killed and 24 injured, while 125 buildings were damaged or destroyed. Hail stones measuring 2 1/2 inches in diameter were reported. There was some evidence of tornadic activity in Taylor County. Five persons were killed to death in the ruins of their home in Laurel County.

Damage to auto tops and roofs by heavy hail was estimated at $10,000.

Rivers.—All main streams continued low. Floods along creeks, caused by the storm in Casey and Taylor counties, caused damage estimated at $10,000.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 7 a. m.	1 p. m.	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.07	30.43	28	29.63	31	6.3	33	nw	24	81	47	66	51
Cincinnati ..... Ohio	30.11	30.45	1	29.68	31	6.6	38	nw.	24	82	52	69	54
Evansville ..... Ind.	30.10	30.44	28	29.68	31	7.8	27	nw.	27	86	57	69	54
Louisville ..... Ky.	30.13	30.43	1	29.62	31	8.8	33	nw.	27	78	56	69	55

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days. Precipitation .01 inch or more	Partly cloudy.	Cloudy.
1889....	52.0	− 6.2	87	22	2.39	−0.39	5.10	0.72	...	..	..	..
1890....	55.7	− 2.5	87	23	3.13	+ .22	8.17	1.16	...	..	..	..
1891....	52.5	− 3.4	82	21	0.78	−1.91	2.81	0.16	...	..	..	..
1892....	57.3	− 0.9	90	19	0.69	−2.21	...	T	...	..	..	..
1893....	55.6	− 1.8	90	19	4.06	+1.25	11.21	...	...	..	..	..
1894....	57.6	+ 0.4	92	25	1.46	−1.39	3.98	1.70	...	..	..	..
1895....	62.2	− 6.6	89	14	1.24	−1.48	3.44	0.65	...	..	..	..
1896....	58.3	− 2.4	86	25	1.51	−1.01	3.60	0.37	...	5	21	5
1897....	63.3	+ 2.0	90	26	1.14	−1.35	4.20	0.10	0.0	4	8	6
1898....	57.1	− 1.1	84	21	3.49	+1.07	6.1	1.70	T	10	12	9
1899....	61.3	+ 3.1	91	26	2.32	−0.10	4.18	1.25	0.0	5	15	11
1900....	61.5	+ 6.3	91	25	3.20	−0.45	6.78	0.57	0.0	8	17	7
1901....	58.1	− 0.1	88	25	1.5.	−1.15	0.05	0.15	0.0	5	12	7
1902....	57.7	+ 0.5	91	26	2.51	−0.78	3.74	T	T	4	16	6
1903....	56.7	− 0.5	86	20	2.22	−0.7	4.2	0.15	T.	5	14	6
1904....	57.2	− 1.0	90	20	0.95	−2.2	1.58	0.05	T.	3	11	4
1905....	57.0	− 1.2	90	26	4.58	+2.2	8.05	2.08	T.	9	14	12
1906....	56.9	− 1.3	91	26	1.61	−0.8	3.61	0.44	T.	5	14	7
1907....	55.8	− 2.7	89	26	2.07	−0.3	4.3	1.1	T.	6	18	8
1908....	58.1	− 1.1	92	26	0.71	−2.1	2.6	...	0.0	3	7	5
1909....	56.2	− 2.9	84	28	2.11	−0.61	4.66	0.66	T.	6	15	7
1910....	61.1	+ 3.2	86	27	4.45	+1.59	11.1	1.4	0.1	6	17	7
1911....	59.9	+ 1.7	93	27	3.71	+0.56	8.8	0.78	0.0	10	14	7
1912....	56.6	− 1.8	92	25	1.92	−1.56	4.39	0.62	0.6	4	18	12
1913....	57.7	− 1.0	90	27	3.36	+0.85	5.82	2.40	T.	9	15	6
1914....	57.7	+ 1.5	91	27	2.51	−0.58	5.82	1.2	T.	9	14	12
1915....	60.6	+ 2.4	90	27	2.93	−0.18	5.7	2.45	0.0	9	15	6
1916....	56.2	− 0.6	95	24	2.30	−0.81	5.82	1.2	T.	7	13	6
1917....	61.1	+ 5.1	91	30	2.38	−0.7	5.4	1.25	0.3	5	13	6
1918....	60.2	+ 3.4	91	27	3.81	+0.6	6.5	1.91	T.	7	15	11
1919....	58.6	+ 2.4	91	27	3.69	+0.7	6.2	1.85	T.	8	14	9
1920....	61.0	+ 2.8	93	24	1.62	−1.64	4.31	0.78	0.0	4	16	7
1921....	57.1	− 1.1	90	24	2.38	−0.93	4.70	0.6	0.0	7	15	5
1922....	59.2	+ 2.0	88	25	2.49	−0.53	4.31	0.78	0.0	6	20	5
1923....	58.5	+ 1.7	91	19	1.46	−1.5	4.15	0.26	0.0	5	18	8
1924....	61.1	+ 2.9	91	24	0.97	−2.0	1.98	0.06	0.0	1	23	5
1925....	59.9	− 5.5	88	28	7.36	+3.7	11.66	3.42	T.	12	6	3
1926....	58.5	+ 1.1	84	25	5.44	+1.66	9.16	2.72	T.	11	6	5
1927....	58.7	+ 2.3	92	27	2.61	−0.34	5.74	0.61	0.0	7	20	6
1928....	61.6	+ 3.4	95	24	3.94	+0.91	7.11	1.08	0.0	8	17	7
1929....	57.4	− 1.8	85	28	3.45	+0.5	7.11	1.08	0.0	8	17	7
1930....	55.8	− 2.4	84	28	1.75	−1.2	2.82	1.30	T.	8	12	12
1931....	62.6	+ 3.8	93	28	3.01	−0.4	5.23	1.87	0.1	7	17	6
1932....	59.0	− 1.4	86	24	3.31	−0.1	5.23	1.87	0.1	7	17	7
1933....	57.1	− 0.8	88	28	2.07	−0.67	4.4	0.44	0.1	6	16	5
1934....	57.5	+ 1.3	88	27	4.85	+1.81	9.88	0.62	0.0	6	11	5
Period	58.2	....	88	18	2.74	....	12.66	0.02	0.1	6	17	6

Climatological Data for October, 1934.

Station	County	Elevation, feet	Length of record, years	Temperature in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation in inches Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Number of days: With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	Observers
Barren Grand	Ohio	441	30								1.98	−1.41	1.10	0	4	21	7	3	ne.	Mrs. Lena F. Taylor.
Bowling Green	Warren	437	39	62.4	+ 2.5	86	24	31	28	43	1.98	−1.41	1.10	0	4	21	7	3	ne.	W. A. Taylor.
Cannelton	Perry	420	44	64.8	+ 2.0	87	24	29	28	45	0.83	2.63	0.20	0	4	26	2	3	sw.	Brick Southworth
Farmington	Graves										0.33		0.14		4					Lockmaster.
Ford's Ferry, Dam 50	Hancock		5								0.55	3.51	0.35	0	2	23	7	1	s.	C. R. Lovell.
Greensburg	Green	519	17	60.2	+ 0.9	81	9	29	29	47	0.79	−2.45	0.41	0	2	22	5	4	w.	Richard Stites
Henderson	Henderson	382	39	62.4		88	11	24	28	37	0.79	−2.45	0.41	0	2	22	1	8	ne.	W. E. Grates.
Hopkinsville	Christian	524	48	61.1	+ 0.8	87	11	29	29	45	0.74	−2.30	0.39	0	6	22	1	8	ne.	Blaine Malone.
Hopkinsville	Christian		6	62.0		87	24	39	28	42	1.85		0.75	0	3	26	2	3	s.	B. C. Paris.
Leverageville	Bullitt						24	30	28	42	1.85	1.30	0.80	0	3	22	3	6	w.	
Marion	Crittenden	571	35	64.1	+ 4.0	86	25	30	28	37	1.05	−1.30	0.80	0	3	22	3	6	w.	Mrs. C. R. Sowell.
Mayfield	Graves	394	26	63.0	+ 3.4	85	12*	31	28	42	1.62	−1.03	0.67	0	4	23	7	1	s.	Harry B. Arnold
Murray	Calloway	412	8	61.4		88	24	29	29	44	1.45		0.47	0	6	22	8	1	s.	Henry S. Berry
Owensboro	Daviess	479	37	59.1	+ 0.5	84	9	23	28	42	1.27	−2.01	0.65	0	5	26	2	3	s.	Lockmaster.
Owensboro, Dam 46	Daviess		6								1.11		0.53	0	1					C. H. Rhodes.
Owingsville	Bath	404	6								0.52	−2.51	0.23		3	14	14	3		J. W. Lilley
Paducah	McCracken	316	17								2.34	−1.85	0.88	0	4					Dr. W. L. Cash.
Park Shakespeare's	Warrenson	341	45								1.60	1.42	0.60	0	7	28	6	2	n.	Lockmaster.
Portsmouth	Scioto	520	27	61.8	+ 2.7	87	24	30	29	47	1.68	−2.60	0.90	0	3					Wm. Shelton.
Rochester, Lock 2	Muhlenberg	384	17								0.56	2.53	0.35	0	5	21	5	5	s.	Lockmaster.
Somerville	Union	550	23	66.2	+ 0.8	85	24	30	29	35	0.86		0.38	0	5					
Spottsville	Union	357	6																	
Tompkinsville, Dam 40	Monroe										1.40		0.75	0	6					Lockmaster.
Addison, Dam 45	Breckinridge	852	6								0.52	−2.46	0.15	0	4	24	4	3	e.	C. E. Berret.
Anchorage	Jefferson	700	33	57.0	+ 0.1	82	24	25	28	42	0.88	−1.52	0.75	0	2	22	5	4	s.	Mrs. Emily T. Sisco.
Beechwood	Nelson	647	37	58.2	+ 0.1	86	8*	26	28†	45	0.88	−1.52	0.75	0	2	22	5	4	s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	440	45	59.6	+ 0.7	88	21	52	29	38	0.58	−2.14	0.21	0	4	16	11	4	w.	Lockmaster.
Bowling Green, No. 2	Warren	464	9								0.42		0.14	0	4					Lockmaster.
Brownsville, Lock 6	Edmonson	440	17								2.31	−1.69	1.76	0	5					T. A. Lewis
Burkesville	Cumberland	778	42								1.61	−1.29	0.98	0	6					Lockmaster.
Burnside	Pulaski	680	35								0.72	−2.12	0.66	0	2					Lockmaster.
Carrollton, Lock 1	Carroll										0.23		0.18	0	2					Lockmaster.
Cold Spring, Dam 36	Campbell	480	6								0.80		0.25	0	5	18	5	8	sw.	Ralph E. Wyatt.
Danville	Boyle	940	1	58.0		82	24	29	28†	43	0.80		0.25	0	4	21	6	4	s	C. W. Williams.
Dix Dam, Burgin	Mercer	970	6	59.7		84	9	31	28	45	1.26		0.63	0	4	21	6	4	s	Mrs. Katie Payne.
Eminence	Oldham	1177	42	54.6	− 2.3	81	11	25	28	33	1.25	1.47	1.10	0	2	17	3	11	s.	Lockmaster.
Frankfort	Franklin	520	42	55.6	+ 1.5	85	11	28	29	43	0.42	−2.18	0.18	0	3	21	3	7	sw.	Marcus Gatewood.
Frankfort	Franklin	641	35	63.8	+ 3.1	86	9*	31	28	36	0.82	−1.79	0.35	0	7	21	6	4	s.	Lockmaster.
Franklin	Simpson	490	23								0.23	−3.17	0.10	0	3					Lockmaster.
Gest, Lock 3	Hardin	780	8				29	29			0.05		0.05	0	5	26	3	2	n.	P. L. Beatty.
Glasgow	Barren	780	8								0.62		0.62	0	1					Lockmaster.
Grayson, Dam 38	Carter	580	9								0.77	−2.92	0.62	0	6	12	4	15	n.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	584	41	56.4	− 0.7	84	9	23	29	37	0.81	−2.17	0.60	0	6					Lockmaster.
Harrodsburg	Mercer	744	32								0.81	−2.17	0.60	0	6					W. J. Piggott
Hays Bridges, Lock 7	Breckinridge	540	36	60.3	+ 3.6	81	9*	33	28	37	1.12	−1.85	0.91	0	3	21	7	3	sw.	Walter Killion.
Leitchfield	Grayson	1080	8								1.64		1.29	0	4					
Lancaster	Garrard	1000	8								1.64		1.29	0	4					R. H. Willis.
Leitchfield	Grayson	1057	38	60.8	+ 2.7	84	9	30	28†	33	1.80	−1.07	0.83	0	4	22	6	3	w.	U. S. Weather Bureau
Lexington	Fayette	980	60	57.6	+ 0.2	83	9	27	28	41	1.53	1.05	0.91	0	5	21	7	3	nw.	Lockmaster.
Lexington, Lock 8	Jessamine	560	23								0.56	−2.57	0.46	0	3					Lockmaster.
Livermore	McLean	445	24								0.08	−3.17	0.08	0	1					U. S. Weather Bureau.
Loretto, Lock 2	Marion	725	61	60.4	+ 1.1	82	11	34	28	32	0.52	−2.19	0.23	0	4	18	9	4	n.	Sisters of Loretto.
Louisville	Jefferson	550	61	61.2	+ 1.1	84	9	34	28	32	0.56	−2.09	0.55	0	2	23	2	5		
Louisville	Hardin	777	38	57.2	− 0.5	83	9	26	31	49	0.43	−2.55	0.33	0	2					Lockmaster.
Lowes, Lock 6	Mercer	820	20								0.21	−2.54	0.03	0	3	21	2	8	nw.	Miss Pathgitha.
Madisonville	Hopkins	605	45	59.2	+ 2.0	84	8*	28	28	41	0.69	2.27	0.24	0	3	26	3	2		Elizabeth J. Bourne.
Marion	Crittenden	589	32	65.8	− 0.5	81a	9	25a	29	44a	0.56	2.75	0.30	0	3					Lockmaster.
Maysville, Lock 5	Mason	524	16								0.56	−2.57	0.34	0	2	21	8	2	w.	Miss Nettie B. Simpson
Middlesboro	Bell	943	31	59.8	+ 4.7	87	9	29	28	44	0.91	2.81	0.34	0	5					Lockmaster.
Monticello	Wayne	904	17																	
Morgantown, Lock 4	Butler																			
Mount Sterling	Montgomery																			
New Haven	Nelson																			
Owenton	Owen																			
Owingsville	Bath																			
Paducah	McCracken																			
Paris	Bourbon																			
Pineville	Bell																			
Princeton	Caldwell																			
Richmond	Madison																			
Russellville	Logan																			
Shelbyville	Shelby																			
Somerset	Pulaski																			
Springfield	Washington																			
Stanford	Lincoln																			
Tompkinsville	Monroe																			
Versailles	Woodford																			
Warsaw	Gallatin																			
Wickliffe	Ballard																			
Williamsburg	Whitley																			
Williamstown	Grant																			
Winchester	Clark																			
Worthington	Greenup	549	14								0.52	−1.92	0.20	0	4					
Wrigley, Dam 30	Harlan	1197	6	58.4		79	9	25	28†	53	2.14		1.10	0	6	21	3	7	n.	Lockmaster.
Harlan	Harlan	1197	6	58.4		79	9	25	28†	53	0.95		0.52	0	8					W. W. Duffield.
Harrodsburg	Mercer	900	19								0.95		0.52	0	8					Chas. O. Ihrig.
Hartford, Lock 11	Ohio	393	17	58.2		83	9*	25	29	46	0.41	−3.28	0.18	0	6	18	7	6	w.	Lockmaster.
Hazard	Perry	1200	17								1.64		0.42		7					R. E. Davidson.
Hodgenville	Larue	1000	10								0.42	−2.51	0.26	0	3					Lockmaster.
Hopkinsville	Christian	500	30								0.65	1.02	0.32	0	2					Bennett H. White.
Jackson	Breathitt										0.92	−2.44	0.59	0	4	22	6	3	sw.	Lockmaster.
Jamestown	Russell	1000	37	57.6	+ 0.1	83	9*	23	30	43	0.92	−2.44	0.59	0	4	22	6	3	sw.	
Kuttawa	Lyon	593	37	57.6	+ 0.1	83	9*	23	30	43	3.39	0.78	1.72	0	5	18	10	2		Mayhew Woodson
Lancaster	Garrard	1000	32	57.0	− 0.4	80	21	22	28†	38	3.39	0.78	1.72	0	3	22	1	5	nw.	W. R. McKee.
Lebanon	Marion	750	24	56.8	+ 0.9	83	9*	26	29	45	0.30	−2.70	0.22	0	3					Lockmaster.
Leitchfield	Grayson	1057	7								0.92	2.44	0.26	0	3					
Livermore	McLean	445	7								0.42		0.45		3					Manuel Babington.
Louisville	Jefferson	550	7								0.42		0.45		3					Robert Rapase.
Madisonville	Hopkins	605	7								1.80	−1.86	0.68	0	4					F. W. Smallenfield.
Mayfield	Graves	394	28								1.72		0.45	0	8	20	2	9		R. W. Jones.
Pineville	Bell	1100		58.6		84†	9	25*	29	47†	0.97		0.38	0	4					
Princeton	Caldwell	592	8	59.4		86†	9	25*	29	49†	0.97		0.38	0	4					Lockmaster.
Richmond	Madison	900	17								0.46	2.97	0.13	0	5					W. Crooke.
Rochester, Lock 12	Butler	500	17								0.72	−2.14	0.50	0	4	22	1	8		Lockmaster.
Russellville	Logan	600	43	59.9	+ 0.8	83	16	26	28	32	0.64	−2.99	0.40	0	4					
Shelbyville, Lock 5	Shelby	551	24								0.85	−2.67	0.55	0	5					Lockmaster.
Shepherdsville, Dam 47	Bullitt	527	19								1.03		0.43	0	5					G. H. Zimmerman.
Somerset	Pulaski	1142	9								1.87	−1.20	0.46	0	5	25	4	2		H. F. Davis.
Springfield	Washington	900	37	61.4	+ 1.7	87	9*	26	28	43	1.41	2.92	1.00		6					Lockmaster.
Stanford	Lincoln	646	15								0.88	1.84	1.76	0	4	11	5	5	s.	

Dagger symbol used on figures

5 (1) ... 2 ... 3 ... 4 ... 5 ... 6 ... 7 ... 8 ... 9 ... 10 ... 11 ... 12 ... 13 ... 14 ... 15 ... 16 ... 17 ... 18 ... 19 ... 20 ... 21 ...

Daily Precipitation for October, 1934.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G																															
Bowman	G																															
Bowling Green	G				.02					.66								T	1.10	T		.20										1.98
Lands Ferry Dam 50	O					T												T	.20											T		.38
Greenville	G				T					.35									.60	.10		.04				1.15						.44
Hendersen	O																		.20			T										.20
Hawesville	C																		.41							.28						.69
Lovesville	M				T	.18				.3								T	.12			.01				.04					.16	.54
Marion	O					T													.60							.48						1.08
Maxwold	M					C												.40								.04					.2	1.56
Murray	T			.16	.04				T										.85	.43		T										1.62
Owensboro	O				F														.4	.28		.06										1.08
Owensboro, Dam 6	O																		.6			.6									1	1.20
Paducah	O					T													.30	.04						.32	T						1.41
Paducah (near)	O																		.26	.60		.32											1.18
Paintsville	G																		.20	.4		.20				.36					.2		1.00
Pineville	G				.01				.03								.01		.22	.08	T												2.44
Resaca, Lock No. 2	G																		.20	.5		.1				T							1.10
Russellville		.02								.10									.30	.5		.1											1.03
Uniontown, Dam 49	O																		.80	.04		.20											.6
Central Division																																
Addison, Dam 45	O					.05													.52	.10		.08				.14	.01			T			0.90
Alexandria	O																		.75	.11		.45				.02	.03						1.37
Barnesville	C																		.10			.45				.11						.15	0.71
Bowling Green	G					.15				.10									.75							.18							0.93
Bowling Green, No. 2	G					.08				.07									.20	.12							T					T	0.47
Brandenburg, Lock No. 6	O					.01				.11									.70	.13													0.42
Burnside	K					.24				.13	.04								1.70	.15		.04											2.16
Campbellsburg (Lock No. 1)	K																		.30	.12													0.42
Cecil Springs, Dam 36	O																		.10														0.10
Danville	K									.60									T			.60											0.60
Dog Bars, Barren R.	T																		.24			.23				.02						.16	0.65
Eubanks	K																	.43	.10		.15											.05	0.73
Frankfort	K																		1.10	.15													1.25
Franklin	G					.10	.02			.20									.35	.05		.10				.08							0.80
Gest, Lock No. 3	K																		.85	.05		.10										.04	1.04
Glasgow	O					.02													.10			.03				.10							0.23
Glasgow, Dam 38	O									.0									.60			.15										.6	1.35
Glens Creek																			.02								T						0.02
Hays Bridge, Lock No. 7	K						T			.15									.52	.08		.01				.02						.02	0.63
Irvington	G				T					.2									.60	.06		.02					.01						0.69
Jamestown	K																	T	.01	T		.12				.02						T	0.15
Jeffersonville	G				.6				.07										.20		.12											1.2	1.53
Lee Station, Dam																			.85							.05							1.65
Little Hickman, Lock No. 8	K									.05								.30	.05			.02				.24						.01	1.84
Lockport, Lock No. 2	K	.08																	.30	T		.18											0.56
Louisville	O																		.07	T	.22											T	0.29
St. John	G																	T	.25			.20										.12	0.57
Salt River, Lock No. 6	K									T									.55	T		T					15						0.48
Shelbyville																			.10			.07				.08							0.25
Taylorsville																		T	.20			.24				.16						T	0.60
Tyrone, Lock No. 5	K																		.30								12						0.56
Williamstown																			.10	.30		.02				.84							0.91
Waterway, Lock No. 4										.04									.10	.3													0.13
Eastern Division																																	
Annville	C					.10					.40								.02	.05		.02					.07							0.16
Ashland	K	.07				.02													.10								.16							0.35
Barbourville	K									.15									.20							T								0.34
Cedar Hill, Lock No. 11										.05	.05								.12								.12							0.29
Cynthiana	T		T		T													T								.08							0.08
Falmouth																			.04								.18							0.22
Farmers																			.01								.02							0.03
Flemingsburg																			.04								.18							0.22
Flood, Lock No. 10						T				.17	.02								.20	.01		.15					.06							0.44
Georgetown																			.11								.18							0.29
Greenup, Dam 30	O	.2																	.10								.18							0.52
Harlan	K				.19	.41				.15	.10							1.10	.17															1.51
Hazard	K	.60		.02	.04	.52	T					.04							.12	.10		.07	T											0.85
Hodgenville, Lock No. 14	K					.13				.03									.10	.04														0.27
Hopkins	K										.03	.12						.8	.15	.05														1.20
Jenkins	K					.20													.10								.03						.20	0.33
Manchester	K					.43				.52									.01	.08							.10							0.62
Maysville					.05														.01															0.06
Millersburg					.25	.52				.18								1.52	.03															2.22
Mount Sterling																			.22			.02				.05							0.29
Nicholas, Dam 35	O	.02																	T			.04												0.06
Paintsville	K					.25					.10											.04					.20							0.29
Pineville	K	.42			T	.58				T	.15								T			.15												0.72
Pittsburg	K	.90			.15		.4			.10		.10							.20								.18							1.50
Rockcastle	K	.13				.30					.15																.45					.07		0.60
Savanna, Lock No. 12	K				T					T	.12								.10	.09		.20					.10							0.41
Beaumont	K				T						.10								.80			.30					.02							0.72
Valley View, Lock No. 9	K								.04								.40		.85	.17						.03								0.64
Vanceburg, Dam No. 32	O	.03																	.05			.12					.09							0.26
Williamsburg	K	.90	.11	.02									.4	.02																				1.07
Willow, Lock No. 13					.08					.4								.12	.05	.46	T					.10							1.07

Except as otherwise indicated, observations are given as made at 7 a.m. (the preceding day) [illegible] three observations.

[illegible] Weather Bureau [illegible] Agriculture [illegible] Observer, [illegible] Engineer [illegible] Engineer [illegible] Engineer

Daily Temperatures for October, 1934.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Calhoun	Maximum	71	76	78	77	72	78	76	82	83	83	83	81	74	74	78	78	75	76	72	68	82	82	84	86	76	76	72	64	67	63	80	76.2
	Minimum	46	43	47	48	56	58	46	46	51	64	55	56	45	40	40	48	57	60	50	52	60	49	49	51	59	4	54	31	34	39	37	46.8
Carlington	Maximum	70	77	78	79	72	78	75	82	85	85	83	82	73	72	78	78	75	76	70	84	83	83	84	85	87	72	76	70	53	58	64	76.1
	Minimum	41	40	46	44	52	57	42	42	48	63	52	51	41	37	38	50	60	61	52	53	60	46	47	47	60	39	59	29	33	33	36	47.1
Greenville	Maximum	70	75	77	78	70	78	76	84	82	84	80	71	72	76	77	76	70	70	82	72	83	83	83	84	78	76	68	55	59	62	81	75.2
	Minimum	42	39	46	44	58	56	42	46	47	66	51	50	42	38	38	48	54	60	50	48	58	45	48	44	58	36	50	30	29	31	34	45.2
Henderson	Maximum	69	78	78	80	74	79	79	82	84	86	88	86	74	77	79	79	79	73	69	65	88	82	86	84	86	75	76	68	56	62	64	76.2
	Minimum	43	44	50	49	57	55	44	48	54	65	56	54	47	42	46	48	58	56	48	53	58	49	53	51	58	43	47	28	34	36	39	48.7
Hopkinsville	Maximum	74	78	79	69	70	86	79	88	81	74	87	87	65	77	73	79	73	70	76	82	83	87	86	86	74	66	65	58	63	66	78	75.0
	Minimum	43	43	50	50	57	56	44	42	50	63	55	51	46	40	41	48	53	58	54	53	60	46	48	48	58	38	50	31	29	35	35	47.7
Lovelaceville	Maximum	71	78	76	75	72	80	77	82	85	81	85	80	77	71	80	81	80	76	72	84	85	86	86	87	75	78	71	62	66	67	88	77.5
	Minimum	41	40	48	48	53	56	40	46	48	66	53	46	49	40	37	47	59	55	55	49	59	46	51	56	37	32	30	31	32	34	34	46.6
Marion	Maximum	69	78	76	76	70	76	76	80	82	81	81	82	76	70	72	78	85	79	82	80	81	84	85	85	82	80	76	65	64	79	79	77.3
	Minimum	45	44	47	49	52	59	48	49	55	63	57	47	43	42	46	50	60	57	47	55	56	52	56	59	59	55	56	30	36	37	42	50.9
Mayfield	Maximum	68	76	78	77	74	79	74	80	81	81	82	76	76	71	77	76	81	72	73	82	82	85	84	85	76	76	71	57	60	66	82	76.4
	Minimum	46	45	53	52	54	58	48	48	54	64	56	54	50	43	44	51	59	62	56	57	58	52	51	57	57	43	53	31	36	36	40	50.7
Murray	Maximum	70	79	80	81	72	80	75	82	86	80	82	77	73	79	80	84	76	75	83	84	86	87	88	87	78	78	73	66	71	67	84	77.3
	Minimum	42	39	50	52	50	49	39	46	52	61	47	45	46	46	46	47	55	56	51	55	59	43	43	47	48	47	46	30	29	30	49	45.5
Owensboro	Maximum	67	72	75	75	73	75	70	78	81	81	80	77	69	68	76	75	71	67	68	81	78	78	79	80	71	73	71	52	54	55	75	72.5
	Minimum	45	41	45	49	49	55	45	42	52	61	50	52	46	40	39	44	58	58	51	59	56	48	49	46	56	38	43	29	30	35	38	46.4
Princeton	Maximum	70	76	78	77	69	78	74	83	83	84	84	84	74	74	79	81	73	70	71	84	83	85	88	87	72	77	66	54	60	65	82	76.2
	Minimum	45	42	50	49	56	57	46	48	56	63	54	50	46	40	38	46	57	60	54	56	58	45	48	49	55	38	50	33	30	35	35	47.5
Russellville§§	Maximum	69	77	77	76	68	80	78	77	84	74	85	87	69	69	76	77	68	69	81	81	81	81	85	77	75	62	61	62	61	74	73.5
	Minimum	44	43	49	50	57	55	46	41	50	57	54	52	45	40	41	46	52	62	58	51	54	47	46	47	54	40	48	31	30	33	38	46.0
Central Division.																																	
Anchorage	Maximum	61	70	71	74	73	75	69	76	80	80	80	74	65	64	74	76	78	65	62	79	79	81	78	82	68	72	64	66	58	57	71	71.6
	Minimum	42	39	43	46	52	56	40	42	47	58	52	48	44	45	53	43	51	56	48	46	56	43	41	41	41	33	35	25	26	29	29	42.5
Bardstown	Maximum	72	79	77	82	76	80	76	86	86	84	86	80	71	69	71	80	80	77	70	67	81	81	83	79	66	71	73	68	66	61	62	75.8
	Minimum	43	39	42	43	59	53	40	46	50	62	41	38	39	38	39	42	48	60	46	40	46	44	42	42	54	36	46	26	26	32	30	42.6
Bowling Green	Maximum	69	74	74	76	70	76	70	77	80	74	78	76	68	72	75	76	69	66	78	83	85	77	76	79	70	70	66	65	68	61	77	72.8
	Minimum	43	46	50	51	59	57	49	46	51	64	55	55	46	41	41	45	51	54	53	49	61	50	47	46	55	42	52	35	32	37	39	48.8
Danville	Maximum	68	74	73	76	70	76	72	79	81	72	80	76	64	64	76	75	77	69	63	83	78	76	71	82	68	67	66	51	57	59	71	71.4
	Minimum	43	40	43	46	56	58	45	41	50	61	51	46	41	34	38	41	49	60	43	41	59	49	49	50	52	43	47	29	29	30	35	44.6
Dix Dam	Maximum	69	76	76	78	75	79	78	74	84	76	82	80	76	66	76	70	76	70	76	80	79	78	77	83	77	68	67	63	68	58	70	73.6
	Minimum	46	42	48	47	46	49	43	44	42	62	53	52	41	35	38	41	48	62	46	45	64	48	44	43	57	43	52	31	31	33	33	45.8
Eulank	Maximum	67	68	66	74	63	59	61	65	69	70	77	77	67	68	67	69	68	63	65	69	70	71	69	69	69	66	66	55	59	55	59	66.2
	Minimum	44	46	41	46	46	38	45	46	49	54	51	55	56	54	56	56	56	58	48	46	61	41	43	51	49	49	49	32	26	29	26	43.1
Frankfort	Maximum	67	76	74	77	76	79	76	82	85	80	85	76	65	66	77	77	77	78	72	80	80	82	78	81	68	70	62	54	60	60	70	73.4
	Minimum	44	42	44	44	53	57	42	48	47	59	52	49	40	33	34	40	43	61	49	43	58	46	41	41	47	42	47	30	28	31	29	43.8
Franklin	Maximum	71	79	79	79	67	84	77	77	86	75	85	83	86	74	86	76	83	78	72	82	84	87	82	84	70	79	70	66	64	66	76	77.3
	Minimum	41	45	50	50	60	57	55	44	58	62	55	56	44	39	46	47	55	63	55	51	65	52	47	45	60	43	54	31	36	34	40	49.3
Glasgow	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	45	44	47	49	56	54	42	43	46	62	50	46	43	37	38	44	49	62	50	44	61	46	45	45	55	45	51	29	30	33	35	45.6
Greensburg	Maximum	66	68	68	72	72	78	71	75	84	73	82	73	68	69	70	69	77	76	67	79	78	78	76	79	66	69	66	56	58	62	71	70.7
	Minimum	42	39	43	48	55	53	39	38	47	60	40	40	37	30	34	37	50	54	37	42	60	47	43	42	41	40	37	31	34	28	29	42.0
Irvington	Maximum	66	72	72	74	73	76	72	78	81	80	81	77	68	67	74	75	69	68	74	78	79	80	80	82	72	74	70	64	51	56	58	73.7
	Minimum	46	45	48	55	57	57	46	45	51	63	55	55	48	39	39	46	57	59	50	50	60	48	48	51	52	52	52	44	44	50	53	48.9
Leitchfield	Maximum	67	75	76	78	69	77	76	79	83	78	85	78	69	70	77	77	74	70	68	80	83	82	79	82	72	72	70	66	64	66	71	73.7
	Minimum	46	43	47	48	57	55	45	44	52	64	54	57	45	37	37	39	54	61	49	48	49	47	48	50	47	45	49	30	30	38	40	47.8
Lexington	Maximum	68	76	72	78	72	75	73	81	83	77	82	72	68	68	76	76	78	76	68	80	77	78	72	81	68	69	65	61	66	57	67	71.4
	Minimum	44	44	45	48	51	56	41	48	50	58	50	51	39	32	35	42	49	58	47	42	47	45	45	47	48	47	46	32	35	32	35	43.7
Louisville	Maximum	67	73	74	76	74	78	73	78	80	78	80	77	69	67	74	75	74	71	70	78	78	79	74	80	68	70	62	57	60	60	65	73.1
	Minimum	46	47	51	50	56	59	51	49	55	62	55	55	47	43	43	46	53	59	51	49	61	50	49	51	52	51	52	47	40	44	48	49.4
St. John	Maximum	68	76	74	77	76	81	76	80	83	80	80	82	80	78	76	76	78	66	71	80	78	80	76	77	80	75	74	66	66	64	69	76.1
	Minimum	41	40	45	47	54	52	41	40	47	55	46	48	44	35	36	43	48	40	45	46	42	42	42	45	42	43	43	37	27	27	30	41.3
Shelbyville	Maximum	66	75	72	75	76	77	75	84	84	80	82	72	68	66	77	77	77	68	64	85	80	81	78	84	69	71	68	64	64	61	71	72.5
	Minimum	43	44	49	50	56	55	44	44	55	62	52	51	43	34	37	45	50	60	48	47	58	46	46	48	50	46	48	28	29	34	31	46.0
Taylorsville	Maximum	65	71	70	71	71	76	70	75	81	77	81	74	64	64	72	73	73	69	67	77	78	77	73	76	66	68	64	61	56	55	71	70.2
	Minimum	45	38	42	42	52	53	39	39	46	60	48	45	38	33	34	37	48	56	45	45	57	42	38	39	40	38	42	28	28	32	27	41.3
Williamstown	Maximum	72	78	76	78	76	78	77	80	87	81	85	75	67	70	79	80	76	72	66	83	79	81	76	80	72	73	68	64	64	61	65	74.3
	Minimum	51	43	48	49	54	55	44	46	50	59	54	53	46	31	34	43	50	55	46	41	58	46	41	42	50	39	47	29	33	32	35	45.8
Eastern Division.																																	
Ashland	Maximum	63	70	70	72	69	75	72	76	80	73	80	75	68	63	73	75	77	69	62	72	79	79	68	71	75	62	66	54	57	57	66	69.7
	Minimum	46	41	46	47	57	60	41	45	47	58	52	50	39	37	40	45	53	60	48	43	60	46	43	46	46	46	42	27	32	31	29	44.1
Berea	Maximum	69	75	73	78	72	78	72	80	83	78	81	76	67	65	76	79	75	73	75	80	80	83	82	83	67	68	65	58	57	61	73	73.6
	Minimum	44	40	42	45	59	56	42	48	42	61	50	50	41	30	36	42	50	57	46	44	57	45	44	45	48	45	44	30	30	29	26	45.0
Farmers	Maximum	66	73	69	69	64	76	71	78	77	76	78	72	67	61	68	73	67	65	67	74	75	72	70	78	68	68	68	61	58	57	59	68.3
	Minimum	42	37	38	41	53	56	40	36	42	53	46	48	44	35	36	37	47	60	46	43	54	40	37	41	54	40	35	40	24	22	24	39.4
Harlan§§	Maximum	72	75	73	73	78	73	76	79	76	77	77	67	68	70	74	74	74	76	74	76	78	74	77	72	54	72	45	65	62	71	71	71.0
	Minimum	53	51	50	52	53	61	47	47	52	54	55	54	49	35	35	42	52	60	55	45	57	45	44	43	45	40	40	25	25	44		
Heidelberg	Maximum	70	76	75	78	66	79	74	80	83	78	82	77	65	67	77	78	77	74	76	79	79	80	74	78	74	78	71	54	60	60	65	73.0
	Minimum	48	44	45	47	58	62	45	49	46	60	55	49	46	38	38	46	53	59	53	49	59	48	49	47	47	42	37	42	37	41	29	48.4
Maysville	Maximum	67	76	74	75	74	75	75	80	82	80	83	77	69	68	74	75	74	72	72	79	79	80	77	80	72	73	69	66	66	66	72	74.0
	Minimum	49	44	47	47	53	55	41	41	47	57	50	47	39	29	29	32	44	57	45	42	58	45	43	46	48	46	43	28	31	33	33	43.2
Middlesboro	Maximum	72	74	72	70	69	77	74	79	78	73	79	75	70	65	71	75	73	67	70	77	80	80	71	76	78	66	64	70	61	60	60	71.1
	Minimum	50	47	47	48	52	48	42	48	50	58	56	49	37	39	32	38	47	50	46	45	56	40	38	40	46	45	40	28	28	22	28	43.0
Mount Sterling	Maximum	65	73	75	74	70	77	74	81	83	76	83	72	69	70	76	76	71	72	69	76	78	80	75	78	65	67	66	64	55	55	65	71.0
	Minimum	41	39	41	46	56	51	42	46	48	60	46	46	40	33	31	39	48	60	48	45	58	42	40	41	49	39	39	28	26	28	29	42.6
Pineapass	Maximum	66	76	75	77	75	..	77	81	84	79	82	77	66	..	76	76	80	69	66	82	79	82	75	82	70	75	74	68	63	67	74	76.7
	Minimum	52	45	47	50	56	..	44	42	45	58	52	50	..	..	31	40	50	52	49	45	58	..	38	42	46	34	29	26	30	33	36	43.0
Quicksand	Maximum	71	76	76	80	69	80	76	84	85	80	85	76	66	68	78	78	79	71	65	..	81	85	77	84	70	76	72	..	..	..	..	.....
	Minimum	47	44	45	47	60	60	46	46	45	57	53	49	42	38	38	43	49	57	51	51	57	54	47	50	56	52	49	31	32	36	40	48.7
Redwood	Maximum	70	76	75	78	74	76	75	81	82	78	83	76	72	73	78	78	80	76	68	83	80	83	78	86	76	77	74	68	68	68	68	76.0
	Minimum	45	44	48	49	54	56	46	46	48	62	54	52	44	42	45	46	52	59	50	45	60	52	45	50	52	45	50	35	32	34	38	46.9
Williamsburg	Maximum	70	81	78	80	76	87	80	87	84	69	82	85	74	73	75	81	80	79	74	81	82	85	80	86	77	73	76	68	65	67	66	77.5
	Minimum	48	49	51	51	56	60	44	44	53	62	57	52	39	34	36	39	42	50	45	41	49	51	46	45	41	49	51	36	26	27	30	46.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

.., etc., indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 11-26-34, 1100.

KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XXXIX LOUISVILLE, KY., NOVEMBER, 1934 No. 11

GENERAL SUMMARY.

Temperature conditions favorable for the slow growth of fall grains and pastures predominated, but moisture deficiency in most sections acted as a retarding agency. Moderate to heavy showers early in the month served to carry fall growth through the dry period that extended past the middle. Plants remained undersized and growth had almost ceased when additional showers late in the month brought considerable improvement. Unseasonably high temperature in the last decade stimulated progress, but caused rapid loss of the limited moisture supply, which was confined to the surface layers of soil. Although not as large as desirable, fall grains were generally sturdy, deeply rooted, and fairly promising at the close of the month.

Pastures were failing as the month opened, especially on the upland and hilly sections of the central and eastern counties. Except in the western counties, where heavy rains in the third decade caused renewed growth, they deteriorated and became very short. Rye pasture did not make the progress anticipated. Water supplies for livestock failed extensively in the central and eastern sections. These had not been fully replenished when the month closed. Ground water showed unusual depletion, as evidenced by the failure of springs and wells heretofore dependable.

The dry weather largely prevented the handling of tobacco, so that a relatively small amount was made ready for market. On many farms the first stripping occurred during the showery weather of the last week. The weather was exceptionally favorable for corn gathering and other outdoor work. Nearly all corn had been cribbed by the close. Gathering brought to light unusual damage by ear worms; also a large proportion of light and chaffy ears with scattered grains, caused by failure of fertilization during the period of extreme summer heat. Corn dried out thoroughly and was cribbed in excellent condition. Although the mild weather permitted animals to run on pasture throughout the month, the lack of grazing made rather heavy feeding necessary.

TEMPERATURE.

Long periods of decidedly warm weather alternated with short intervals of moderate temperature deficiency. Except for a few days, unseasonably warm weather prevailed during the last half of the month, with daily averages 10° to 20° above normal and maxima reaching 80° at some stations. The extremes were 84° on the 1st at Murray and 14° on the 14th at Farmers.

PRECIPITATION.

Precipitation averaged somewhat less than normal, but the average was raised considerably by the excessive rains in the extreme western counties, therefore most of the State received much less than the seasonal amount. From 2.5 to 3.5 inches occurred in most districts in the southern and central counties east of the lower Cumberland, and 1.0 to 2.5 inches in the counties north of that section. Fifteen to twenty counties in the northern and eastern divisions received from 1.0 to 2.0 inches. In the Purchase and the bordering counties eastward amounts varied between 4.0 and 9.0 inches. For the State the range was between 0.90 inch at Carrollton and 9.01 inches at Paducah. Showers, usually light to moderate but heavy in some localities, occurred generally on the 1st and 4th. In the period 21st–22d the rainfall was generally light to moderate in the central and eastern counties, but heavy to excessive in the extreme western section. Light showers occurred generally from the 26th to 30th. Snow flurries were reported from a few stations on the 11th. Days with thunderstorms were 19, 21, 27, 29.

MISCELLANEOUS.

Rivers.—Small streams were flooded in the Purchase on the 2d and 4th; lower Ohio was slightly affected, otherwise stages continued low during the month.

Errata.—September, 1934: Princeton, precipitation, pages 34 and 85 should be 7.30.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date	Relative humidity: 7 a. m.	2 p. m.	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.08	30.47	15	29.36	3	10.1	32	sw.	30	76	55	58	66
Cincinnati ..... Ohio.	30.12	30.54	15	29.48	3	8.9	27	sw.	30	77	54	59	48
Evansville..... Ind.	30.09	30.51	15	29.38	3	10.4	39	sw.	30	78	55	59	58
Louisville .....Ky.	30.12	30.51	15	29.48	3	12.2	41	sw.	21	72	55	54	62

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature. Mean.	Departure.	Highest	Lowest	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days: Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889....	43.1	− 3.4	85	10	6.04	+2.58	7.60	3.50	...	..	..	..	..
1890....	48.6	+ 2.1	81	19	4.87	+1.41	7.70	1.78	...	..	..	..	..
1891....	43.5	− 3.0	75	10	6.04	+2.58	10.01	3.47	...	..	..	..	..
1892....	42.8	− 3.7	78	9	3.80	+0.39	6.40	0.27	...	..	..	..	..
1893....	44.3	− 2.2	79	− 2	3.12	−0.34	4.02	1.66	...	..	..	..	..
1894....	43.3	− 3.2	80	8	1.32	−2.14	4.78	0.15	...	4	..	..	..
1895....	45.8	− 0.7	85	16	4.29	+0.83	9.04	0.90	...	7	10	7	13
1896....	49.3	+ 2.8	80	11	5.01	+1.55	6.98	3.03	T.	8	10	8	12
1897....	47.8	+ 1.3	78	12	4.66	+1.03	9.29	2.34	T.	10	13	7	10
1898....	43.2	− 3.3	80	10	2.73	−0.97	4.42	0.51	0.5	8	12	7	11
1899....	39.8	+ 3.3	70	20	2.12	−1.84	3.97	0.88	T.	8	11	7	12
1900....	47.0	+ 0.5	83	15	7.78	+3.52	11.06	4.51	1.6	8	13	6	11
1901....	41.8	− 4.7	82	11	1.52	−1.94	2.41	0.10	T.	4	19	5	6
1902....	53.4	+ 7.1	69	20	4.42	+0.96	7.60	3.19	0.3	11	11	6	13
1903....	42.5	− 4.0	81	5	3.01	−0.75	4.53	1.21	2.0	8	12	7	11
1904....	44.7	− 1.8	79	14	0.89	−2.57	3.56	0.14	T.	3	15	6	9
1905....	46.4	− 0.1	79	14	3.55	+0.09	6.64	1.30	T.	7	15	6	9
1906....	46.1	− 0.4	83	11	5.02	+1.56	12.09	2.19	2.3	7	13	6	11
1907....	44.2	− 2.3	79	15	2.49	+0.03	5.47	1.21	0.1	7	14	5	11
1908....	48.6	+ 2.1	80	8	2.61	−0.85	7.98	1.49	0.2	7	14	7	9
1909....	51.7	+ 5.2	86	19	2.29	−1.17	3.74	1.16	T.	6	15	6	9
1910....	41.1	− 5.4	78	11	2.04	−1.42	4.29	1.09	T.	6	16	5	9
1911....	41.6	− 4.9	85	9	4.51	+1.05	10.86	4.03	0.8	8	10	4	16
1912....	45.2	− 1.3	82	10	1.22	−2.24	2.26	0.32	0.2	4	16	5	9
1913....	50.5	+ 4.0	81	8	3.25	−0.21	6.12	0.83	0.4	5	12	5	13
1914....	46.9	+ 0.4	83	5	1.23	−2.23	9.45	3.38	0.4	5	18	7	5
1915....	49.8	+ 3.3	85	16	4.56	+1.34	8.63	2.25	0.4	9	15	7	8
1916....	47.8	+ 1.3	83	8	1.52	−1.64	2.10	0.85	T.	4	20	4	6
1917....	44.3	− 2.2	78	11	1.23	−2.23	2.89	0.26	0.1	5	14	5	11
1918....	46.1	− 0.4	77	19	1.50	−1.56	3.78	0.23	0.0	6	14	5	11
1919....	47.4	+ 0.9	78	16	7.31	+3.85	10.63	3.25	0.0	6	13	5	11
1920....	44.7	− 1.8	79	10	2.21	−1.25	4.43	0.22	2.8	8	12	5	13
1921....	49.8	+ 3.3	79	20	7.06	+3.59	15.67	4.71	T.	12	11	5	14
1922....	48.3	+ 1.8	87	10	1.13	−1.33	4.35	0.30	0.4	6	16	6	8
1923....	46.4	+ 0.1	83	16	3.75	+0.18	5.58	1.92	0.0	9	14	5	11
1924....	47.7	+ 1.2	83	13	1.82	−1.61	3.86	0.72	0.1	9	14	5	11
1925....	44.9	− 1.6	73	8	5.13	+1.67	7.42	3.24	1.1	7	12	7	11
1926....	42.9	− 3.6	80	6	3.40	−0.06	5.57	1.22	2.0	9	16	7	7
1927....	51.3	+ 4.8	82	13	5.01	+1.55	6.76	4.35	0.1	10	16	7	13
1928....	46.8	+ 0.3	78	10	3.03	+0.17	7.51	1.45	T.	10	16	5	14
1929....	43.6	− 1.9	81	− 9	4.63	+0.57	7.82	2.33	2.0	11	8	6	16
1930....	47.1	+ 0.6	86	− 1	1.82	−1.61	3.69	0.81	1.0	10	12	6	12
1931....	55.6	+ 9.1	84	19	3.72	+0.96	6.61	1.61	T.	10	12	5	13
1932....	43.8	− 2.7	81	11	2.71	−0.75	4.66	1.16	3.4	9	14	5	11
1933....	44.5	− 1.0	85	16	1.76	−1.69	2.58	0.56	T.	5	16	11	13
1934....	56.5	+ 4.0	84	14	2.58	−0.61	9.01	0.90	T.	7	15	6	9
Period	46.5	.....	65	− 9	2.56		13.07	0.10	0.5	8	13	6	11

Climatological Data for November, 1934.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation in inches					Number of days				Prevailing direction of wind	Observers
				Mean.	Departure from the normal.	Highest	Date.	Lowest	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, melted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	30																	Mrs. Lena F. Taylor.
Calhoun	McLean	435	30	52.8	+ 4.6	77	7	26	15†	39	3.48	+0.02	1.02	0	10	16	6	8	se.	W. A. Taylor.
Earlington	Hopkins	420	44	52 4	+ 5.6	78	7	22	15	40	3.43	−0.55	1.22	0	8	16	5	9	s.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	5								3.97		1.67	0	10					Lockmaster.
Greenville	Muhlenburg	519	17	51.2	+ 3.4	77*	7	19*	15	42*	2.89	−1.10	1.12	0	7	17	11	2	s.	C. R. Lovell.
Henderson	Henderson	382	30	51.6		76	18	27	2†	41	2.93	−1.31	0.94	0	8	20	1	9	s.	Richard Stites.
Hopkinsville	Christian	524	38	50.6	+ 2.1	78	7	24	12†	42	2.96	−1.28	1.28	0	8	15	4	11	se.	W. E. Graves.
Lovelaceville	Ballard	5	5	51.6		79	7	20	15	44	6.34		4.25	0	6	15	3	8	s.	Blaine Malone.
Marion	Crittenden	571	35	53 4	+ 5.1	78	8	26	15	42	3.85	−0.04	1.23	0	6	16	9	11	s.	B. C. Paris.
Mayfield	Graves	354	25	53.2	+ 4.4	77	1	25	15	41	8.80	+4.78	3.30	0	8	15	10	6	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	8	51.2		84	1	19	15	49	4.71		1.45	0	7	17	5	8	e.	Harry B. Arnold
Owensboro	Daviess	420	37	49 8	+ 2.7	75	21	23	15	39	2.91	−0.55	0.83	0	6	17	3	10	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	6								3.12		1.23	0	9					Lockmaster.
Paducah	McCracken	516	17								9.01	+4.97	4.15	0	9	11	6	13		C. J. Rhodes.
Paducah, near§	McCracken	341	45								8.06	+4.61	3.10	0	7					J. W. Lilley.
Princeton	Caldwell	529	27	51.6	+ 4.6	79	7	23	16	43	2.69	−1.33	1.33	T.	10	18	4	8	s.	Dr. W. L. Cash.
Ramsey, Lock 2	Bickman	388	17								3.66	−0.29	0.92	0	9					Lockmaster.
Russellville	Logan	566	23	49.4	+ 2.2	76	7	23	15	42	2.32	−1.32	1.25	0	6	17	4	9	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	6								3.93		1.62	0	9					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	6								2.37		0.90	0	9					Lockmaster.
Anchorage	Jefferson	500	33	49.4	+ 5.0	77*	21	18*	15	44*	1.24	−1.88	0.47	0	5	18	0	12	w.	C. E. Barret.
Bardstown	Nelson	697	37	51.0	+ 4.3	78	21	21	12†	47	2.31	−1.07	0.55	0	7	17	9	4	s	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	45	52.2	+ 4.6	78	22	24	15	39	2.79	−1.02	0.78	0	7	14	8	8	w.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	469	9								2.60		0.92	0	7					Lockmaster.
Brownsville, Lock 6	Edmonson	410	17								3.49	−1.06	1.25	0	8					Lockmaster.
Burnside	Pulaski	773	43								3.71	+0.12	2.07	0	7					T. A. Lewis
Carrollton, Lock 1	Carroll	480	35								9.90	−2.28	0.26	0	6					Lockmaster.
Cold Spring, Dam 35	Campbell	489	8								2.14		0.92	0	7					Lockmaster.
Danville	Boyle	540	1	49.4		78	21	18	15	42	2.76		1.68	T.	9	11	8	8	sw.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	6	51.3		78	30	21	15	42	2.26		0.97	0	6	20	3	7	s.	R. W. Williams.
Eubank	Pulaski	1177	40	52.6	+ 6.9	78	22	24	13*	36	2.25	−0.82	1.40	0	4	20	6	4	s.	Mrs. Katie Payne.
Frankfort	Franklin	520	42	50.2	+ 3.8	77	21	20	15†	44	2.16	−1.10	0.96	0	7	11	9	10	w.	Lockmaster.
Frankfort	Franklin	691	39	53.6	+ 3.8	78	19†	23	15	41	2.72	−0.93	0.70	0	8	18	6	6	s.	Marcus Gatewood.
Franklin	Simpson	490	28								1.74	−1.88	0.71	0	7					Lockmaster.
Gest, Lock 3	Henry	490	28								2.59		1.25	0	6	21	8	1	e.	P. L. Beatty.
Glasgow	Barren	780	8	50.6		77	19	22	15†	42	1.57		0.53	0	5					Lockmaster.
Grant, Dam 38	Boone	760	9								3.85	+0.14	1.86	T.	8	10	4	16	sw.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	841	41	49.0	+ 3.5	78	21	17	16	43	2.95	−0.22	0.85	0	6					Lockmaster.
High Bridge, Lock 7	Jessamine	544	32								1.67	−1.68	0.80	0	5	13	0	14	sw.	W. J. Piggott
Irvington	Breckinridge	646	36	51.2	+ 4.6	77	21	25	15	36	1.78		0.73	0	5					Walter Killion.
Lancaster	Garrard	1032	8								2.11	−0.85	0.95	0	7	16	6	8	se.	H. H. Willis.
Leitchfield	Grayson	635	28	51.6	+ 5.1	76	27	28	15	38	1.57	−1.12	0.58	T.	7	12	8	10	nw.	U. S Weather Bureau
Lexington	Fayette	980	60	46.6	+ 1.8	77	21	23	15	31	2.22	−1.25	1.06	0	6					Lockmaster.
Littlefield, Lock 8	Jessamine	840	23								2.90	−0.25	1.00	0	6					Lockmaster.
Lockport, Lock 2	Henry	486	24								1.32	−1.52	0.52	0	6					U. S. Weather Bureau
Louisville	Jefferson	525	61	50.3	+ 3.6	77	21	27	15	32	1.14	−2.47	0.49	0	7	10	10	10	s.	Sisters of Loretto.
Louisville, St. Joseph	Hardin	777	38	48.0	+ 2.3	77	7	21	13	34	1.98	−1.55	0.76	0	6	21	3	6		
Louisville, Shawnee	Jefferson	525	20								2.51	0.08	0.90	0	7					Lockmaster.
Louisville, Shawnee	Jefferson	525	20								1.76	−1.78	0.61	0	9	14	3	13	sw.	Miss Ruth Ratta,
Louisville, Shawnee	Jefferson	525	20								2.16	1.17	0.81	0	8	17	3	10		Elizabeth J. Bourne.
Louisville, Shawnee	Jefferson	525	20								3.10	+0.47	0.93	0	6					Lockmaster.
Louisville, Shawnee	Jefferson	525	20								2.36	0.35	1.60	0	9	13	7	10	w.	Mrs. Nellie B. Simpson.
Louisville, Shawnee	Jefferson	525	20								3.33	−0.67	1.09	0	8					Lockmaster.
Lyndon	Jefferson	700	17																	
Madisonville	Hopkins	540	31	49 8	+ 1.7	77	21	22	15	36	3.33	−0.67	1.09	0	8					Lockmaster.
Monterey, Lock 5	Butler	704	17																	
Eastern Division.																				
Annville	Jackson										4.61		2.35	T.	9	10	8	12	sw.	W. A. Worthington.
Ashland	Boyd	534	15	49.2	+ 2.3	77	20†	29	15	38	1.83	−1.75	0.56	T.	8	12	5	13	sw.	Lockmaster.
Ashland	Madison	1076	29	52 0	+ 4.7	76	21	19	15	38	1.35	−1.75	0.60	T.	5	13	4	13	sw.	Chas. O. Graham.
Berea	Madison	1020	24								1.92	−1.14	0.82	0	7					Lockmaster.
College Hill, Lock 11	Madison	611	24								2.51	−0.81	0.88	0	7					P. H. Kelloe.
Cynthiana	Harrison	984	16								2.65	−0.63	1.31	T.	7					J. V. Oldham.
Ephraim	Hamilton	600	45								2.57	−0.59	0.71	0	5	13	7	10	e.	Mrs. R. F. Stamper
Ewing, No. 38	Bowen	558	26	48.2	+ 3.1	81	29	14	14	43	2.63		1.65	0	5					C. A. Glascock
Fleming-Neon	Fleming	841	9								2.53	−0.60	0.75	0	7					Lockmaster.
Grant, Lock 10§	Clark	537	18																	Col. Frank Powers.
Grayson	Carter	880	6																	Lockmaster.
Greenup, Dam 30	Greenup	540	14								1.78	−1.79	0.84	0	6					W. W. Duffield.
Harlan	Harlan	1197	6	50 8		76	30	22	15	41	2.39		1.78	T.	4	15	5	10	n.	Chas O. Bing.
Hazard	Perry	800	10								2.55		1.25	T.	9					
Heidelberg, Lock 14	Lee	663	17	48 6		78	21	19	15†	46	2.87	0.56	1.15	0	7	13	5	12	e.	Lockmaster.
Jenkins	Letcher	1540	10								3.26		1.78	0	6					R. B. Davidson.
Louisa	Lawrence		20								2.77	−0.22	0.85	0	6					Lockmaster.
Manchester	Clay		14								3.06	+0.52	1.04	0	6					Jeannett H. White.
Maysville	Mason	524	37	49.2	+ 4.5	78	21	18	16	43	1.48	−1.54	0.78	0	6	12	11	7	e.	Lockmaster.
Middlesboro	Bell	1148	38	44*	+ 2.4	78*	21†	16*	15†	44*	2.27	−1.06	1.52	0	7	15	15	0	e.	Matthew Woodson
Mount Sterling	Montgomery	960	14	48	+ 4.4	78	19	19	15	38	2.50	−0.23	1.01	0	7	12	8	11	nw.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	7								1.82	−1.71	0.80	0	7					Lockmaster.
Owingsville	Bath	867									1.43		1.10	0	6					Manuel Robinson.
Paintsville	Johnson	656	28								3.77	+1.38	1.50	0	5					Robert Rogers.
Pineville	Bell	1035		51.0		81*	30	15*	16	45*	2.20		1.05	T.	11	20	1	6		E. W. Spannerfield.
Pippapass	Knott	792	8	49 1		82	21	17	15	49	2.30		1.57	0	5					R. W. Jones.
Shackelford	Greathitt										2.37	−0.77	0.88	0	7					Lockmaster.
Sonora, Lock 12	Hart	631	16								2.07	−0.79	0.80	0	6	15	2	14		J. W. Crooke.
Richmond	Madison	920	43	51.1	+ 4.1	80	22	22	15	36	1.10	−1.77	0.48	0	6					Lockmaster.
Willow Wood, Lock 9	Madison	577	21								1.62	−1.73	0.50	0	8					Lockmaster.
Stanford, Dam 37	Lincoln	925	19								1.62	−1.73	0.50	0	6					G. H. Zimmerman.
Tompkinsville	Monroe	1152	9								2.76		1.51	0	6					
Tunnelton	Lewis	1200	37	51.4	+ 4.3	78	21†	20	15	46	2.60	−1.02	1.37	0	5	18	10	2	s.	H. F. Davis.
Waddy	Shelby	1064	35								1.84	−1.31	0.78	0	6					Lockmaster.
Wheelersburg, Lock 31	Scioto	606	15								2.85	−0.61	1.15	T.	7	13	6	9	s.	
Simple averages and totals				50.5	4.0	78	1	13	4	49	2.85	−0.61	1.15	T.	7	13	6	9	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Hima ay, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, 9 represents two days, etc.
† Also on other dates. ‡ Received too late to be included in means and summaries. ‖ Precipitation is less than 0.01 inch rain or melted snow. § Lone Oak.
¶ Post-office addresses. – Locks 3, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 7, Nicholasville, Ky.; Lock 10, Red House, Ky.; South Independence, Ky.
Oneonta, California, Ky.

Daily Precipitation for November, 1934.

Stations	Days of month: 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Western Division																															
Beaver Dam	O.																		.03	T	1.21	.62			1.41	.42	.76	.41			
Calhoun	O.	.19		.16	.05															T	.16	1.22			.72	.64					
Earlington	O.	.27		.29	.06															.14	.31	1.67	.05		.66	.05					
Fords Ferry Dam 50	O.	.18			1.22		T												T		.02	1.12			.16	T					
Greenville	O.	.45		.30	.40														.03		.42	.94			.18			.21			
Henderson	O.	.40		.68															T	T	.17	1.28			.07		.04	.06			
Hopkinsville	C.	.02		.49															.15		4.25		.10		.11						
Lovelaceville	M.			1.36																	1.10	.80			.20		.17	.25			
Marion	O.			1.25															T	T	3.30	1.95	T		.16	T	.35	.25			
Mayfield	M.	.91		1.70	.19														T	T	1.08	1.42	T		.13	T	.11	T	.25		
Murray	T.	.92		.72					T										T	T	.15	.79			.65		.07	T	.25		
Owensboro	O.	.19		.25	.88															T	1.12	1.45	T		.15	T	.11	T	.25		
Owensboro, Dam 46	O.	.17				1.23													T	T	.12	.79			.65		.07	T	.25		
Paducah	O.	.83			2.30															T	.12	.81			.61	.07	.24	.05	.25		
Paducah (near)	O.				2.20															.12	.62	1.15	.04		.13	T	.25				
Princeton	O.			86																	3.10	2.52			.22	.15					
Ramsey, Lock No. 2	O.	.88			.92														.04	.01	1.33	.01			.12	.11	.04	.05	.05		2.69
Russellville	O.				.57														.04		.10	.88			.12	.03	.35	T	.25		3.06
Tompkinsville	O.	.28				1.62															.21	.98			.12		.02		.04		2.32
Central Division																				.19	.20	1.25	.07		T	.06	.05		.25		1.86
Adkinson, Dam 45	O.	.12			.60																										
Anchorage	O.				.47														.11	.05	.90	T			.03	.16	.04	.21			2.27
Carrstown	S.	.45			.55														T	T		.41			.13			.14	.16		1.24
Bowling Green	G.	.48			.78																	.77			.18		.18	.10			
Bowling Green, No. 2	G.	.48			.78																.03	.70					.17	.10			2.26
Brownsville, Lock No. 6	G.	.80			1.25																	.61			.11	.05	T	.05	.25		2.60
Burnside	C.	2.07			.93																.04	.68			.10	.17	.04	.12			2.70
Covington (Lock No. 1)	K.	.11								18	T									T		.24	.12	T		.22		.07	.17		2.71
Cold Spring, Dam 36	O.	.01			.72		.04				T	T									.24	.12						.15			2.96
Danville	K.	.68		.01	1.00	.01					T									T	T	.92			.07		.03	.10			2.94
Dix Dam, Burgin	K.			.97							T											.66			.10		.07	.04			2.76
Eubank	C.	1.40			.72																.28	.61			.15		.12	.18			2.26
Evanstown	K.	.84			.96		T															.41			.13			.09	.14		2.35
Franklin	G.	.20		.50	.55															T	.13	.72			.11		.13	.17			2.31
Gest, Lock No. 3	K.	.12			.71		T														.04	.68			.25		.04	.10	.08		2.52
Glasgow	O.	.85			1.25															T	.20	.19			.10		.18	.24			3.01
Grant, Dam 38	O.				.53		T					T								.05					.24		.17	.05			1.70
Greensburg	G.	1.80		.02	.92															T	.15	.25				T	.26	.02			2.99
High Bridge, Lock No. 7	K.	.76			.85		T													.05	.46				.18		T	.06	.29		2.76
Irvington	O.	.12		.12	.20																.12	.78						.20	.16		3.85
Lancaster	K.			.73															.09	T	T	.80			.07	T	.01	.02	.24		2.35
Leitchfield	G.	.95		.12	.50																.72						.12	.06	.16		1.67
Lexington	K.			.82	.01	T.					T								T		T	.94			.15		.05	T	.45		1.78
Little Beckman, Lock No. 8	K.	.67			1.00																	.98			.19		.10	.13	.09		3.11
Lockport, Lock No. 2	K.			14																	.05				.10	.80		.15			2.22
LOUISVILLE**	O.			.54	.01	T															.32				.02	.02	.27	.52			
St. John	S.	.65			.73														.01	T	T	.49			.09		.06	T	.14		1.32
Salvisa, Lock No. 6	K.	.35			.50		T													T		.25			.10		.10	.15			1.14
Shelbyville	S.	.26		.05	.51																	.15	.45			.15		.27	.26		1.28*
Taylorsville	S.	.42		.03	.81	T.													.01			.42			.15		.11	.08	.21		2.51
Tyrone, Lock No. 5	K.	.07			.98															T		.28			.14		.08	.07	.07		1.76
Williamstown	K.	.05		.12	.67	.03																.50				.12		.41	.17		2.21
Woodbury, Loc. No. 4	G.	1.09			.65																1.60				.10		.08	.12	.15		2.15
Eastern Division																					1.05				.10	.04		.02	.30		2.26
Annville	C.	2.26			.95		.07			10		T		.04								.27				.04	.34	.02			3.38
Ashland	O.	.73			.48		.04															.27				.02		.15	.03		4.01
Berea	K.			.60			.03					T		.05								.27				.02		.15	.03		1.83
Coffee Hill, Lock No. 11	K.	.82			.50		.05					T	T									.46			T		.01				1.85
Cynthiana	L.	.35			.88																	.20				.15		.15	.15		1.52
Falmouth	L.	.05			1.08		.01					T								T	.15	.46			.15		.23	.02			2.51
Farmers	L.	.03				.17															.04	1.11			.10		.26	.05			2.05
Flemingsburg	L.	1.05			.66																	.71					.26	.24			2.57
Ford, Lock No. 10	K.	.75			.79	T	.02					T	T								T	.68				.15	T	.04	.24			2.53
Grayson	O.						.07																				.01	.11			2.73
Greenup, Dam 30	O.	.22			.58		.05					T										.84					.05	.12			1.75
Harlan	C.	1.75					.07															.47						.10			2.38
Hazard	K.	1.25			.40		.05					T										.27				.04	.34	.02			2.28
Heidelberg, Lock No. 14	K.				.72									.04								.27	.04			.08		.10	T		2.87
Jenkins	B.	.58		.32						38	.12											.51				.06	.11	.15	.18		3.23
Louisa	B.	.87			.50		.05	.05														.75						.40			2.75
Manchester	K.	.90			.51					15												.70					.05				3.08
Maysville	C.				.70		.11															.05					.28				1.48
Middlesboro	C.			1.72							.02											.48					.05	.10			2.27
Mount Sterling	L.	1.04	T	.50	.05																	.40			.08	.01	.12	.02			2.56
Oregonia Dam 35	O.	.71					.05			T	.02											.61			.12	T	T	.18	.10		
Paintsville	B.	1.15								.03	.47		.02							T		.56			.15		.35	.11			1.85
Pikeville	B.	1.95			.37		T				T		.11									.30					.27				3.77
Pippapass	K.	1.07			.23		.04			16	.03	.03									1.18						.18	T			3.37
Quicksand	K.	1.77			.80																	.30			.01	T	.05	.5			2.93
Ravenna, Lock No. 12	K.	.83			.67		.11				T											.95			.12		.20				2.86
Richmond	K.	.80			.40																	.24			.18	T	.03	.10			2.87
Valley View, Lock No. 9	K.			.08						.01												.60			.18		.07	.15			2.07
Waterburg, Dam No. 32	G.	.16			.99		.02					T									.49				.25		.05		.15		1.91
Williamsburg	K.	.57						.49	.20										.05			.70	.01						.15		1.56
Willow, Lock No. 13	C.	1.07			.35													.20										.40	.39		2.26
	K.			.78		.45																.70					.06		.25	.06		1.94

Except as otherwise indicated observations are generally made at the afternoon, near sunset, and 24-hour precipitation recorded is for the 24 hours ending at close of observation.

Reference mark (**) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *Precipitation included in the next following measurement.

†Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage given in which station is located as indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland Tennessee; (O) Ohio; (M) Mississippi.

Live Oak

Daily Temperatures for November, 1934.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Calhoun	Maximum	62	62	63	65	66	66	77	74	68	64	56	48	63	60	59	66	67	74	74	70	75	71	60	54	57	54	64	63	61	63	...	64.2
	Minimum	36	27	48	51	47	39	50	48	33	45	31	26	34	29	26	27	38	45	57	59	62	56	38	26	38	42	45	50	48	44	...	41.4
Earlington	Maximum	57	62	63	67	63	66	78	67	67	61	55	52	62	58	57	61	68	75	74	71	75	69	57	56	57	55	64	63	60	64	...	63.5
	Minimum	37	26	51	50	43	34	48	51	33	42	33	24	32	27	22	28	32	47	59	62	62	56	38	34	33	44	46	50	48	38	...	41.4
Greenville	Maximum	76	62	63	67	62	64	65	77	67	68	65	54	48	..	62	60	66	67	74	74	70	75	71	56	59	59	54	65	62	57	63	*64.1
	Minimum	34	24	46	48	38	32	48	49	31	41	30	24	..	26	19	20	27	39	56	53	60	54	35	24	30	40	43	48	48	43	...	*38.3
Henderson	Maximum	68	68	63	68	62	67	70	67	66	65	51	51	63	56	59	67	68	75	74	69	74	67	58	49	56	53	61	62	57	62	...	63.2
	Minimum	33	27	45	49	47	37	49	41	39	44	29	29	34	27	27	33	40	46	56	56	61	51	31	27	32	41	41	51	44	41	...	40.1
Hopkinsville	Maximum	77	64	62	69	61	59	78	72	62	65	55	52	62	56	53	63	68	68	66	69	73	68	55	55	51	54	64	62	57	51	...	61.7
	Minimum	35	29	48	48	42	32	44	48	35	46	32	24	30	28	27	24	32	41	53	56	60	54	36	27	32	42	44	42	49	41	...	39.6
Lovelaceville	Maximum	76	64	62	69	63	69	79	66	71	64	56	58	64	61	60	65	70	73	78	71	67	64	53	51	58	58	60	63	57	62	...	64.3
	Minimum	34	28	53	46	43	31	47	49	37	42	31	25	27	30	20	21	32	46	57	57	58	50	33	26	32	45	46	44	38	40	...	39.0
Marion	Maximum	76	58	69	70	67	75	74	78	75	76	65	69	62	62	58	65	65	73	72	70	71	65	60	57	62	55	62	60	50	61	...	65.9
	Minimum	34	28	45	44	47	40	39	37	40	44	36	44	27	28	26	36	44	50	58	59	60	54	57	28	28	32	38	47	41	44	...	41.0
Mayfield	Maximum	77	64	70	67	66	68	76	67	71	66	57	54	63	56	61	64	67	72	74	69	69	65	55	53	59	55	61	62	55	62	...	64.2
	Minimum	36	32	46	49	37	46	50	37	40	33	28	34	32	25	26	42	50	59	69	59	54	37	30	34	45	47	50	42	41	...	...	42.1
Murray	Maximum	84	68	67	70	64	71	80	69	73	64	59	51	68	54	64	67	70	78	76	70	73	68	40	55	62	58	66	68	63	68	...	65.7
	Minimum	38	26	44	42	34	32	45	44	33	44	30	22	25	30	19	21	28	38	56	58	60	46	32	25	30	40	39	46	45	40	...	36.7
Owensboro	Maximum	66	58	63	60	58	63	71	61	64	63	48	46	61	48	51	53	65	70	74	70	75	68	54	53	58	53	63	61	59	62	...	60.6
	Minimum	33	26	41	46	49	43	44	41	33	40	29	24	28	28	24	33	41	52	55	59	62	35	27	35	40	43	48	45	40	...	...	38.9
Princeton	Maximum	67	63	63	68	63	69	79	67	70	66	49	50	63	60	58	66	70	76	76	75	76	73	68	49	55	58	64	65	62	57	63	63.7
	Minimum	35	27	46	48	41	32	42	47	35	44	34	26	28	27	21	23	32	40	58	58	61	49	37	27	32	41	46	50	45	42	...	39.3
Russellville§§	Maximum	51	61	63	68	52	65	76	67	66	62	45	42	60	46	58	64	66	74	74	71	74	67	45	42	56	52	64	67	62	58	...	60.5
	Minimum	36	28	31	49	41	37	40	46	35	36	31	27	29	29	23	24	28	36	49	57	61	54	38	25	27	35	41	50	51	52	...	38.3
Central Division.																																	
Anchorage	Maximum	...	...	57	66	57	61	73	65	62	..	58	46	58	48	57	64	67	74	74	70	77	70	58	47	48	51	66	58	57	68	...	*61.4
	Minimum	...	...	37	40	35	27	46	..	30	..	21	20	28	28	18	20	26	42	52	54	61	56	38	36	28	36	46	43	51	44	...	*37.3
Bardstown	Maximum	70	61	71	68	58	64	76	68	67	62	50	48	60	50	61	68	68	74	76	71	78	70	66	49	54	51	68	60	61	68	...	63.9
	Minimum	34	34	30	53	40	31	48	40	28	37	26	21	32	27	21	21	31	35	55	56	60	56	38	34	26	33	47	55	52	55	...	38.2
Bowling Green	Maximum	70	68	63	65	56	63	73	69	64	64	56	55	65	56	56	65	66	74	76	74	77	78	68	50	55	52	58	65	62	65	...	64.2
	Minimum	38	29	41	50	42	40	45	50	34	45	34	30	30	31	24	25	32	36	51	55	56	55	43	28	32	40	43	54	54	48	...	40.1
Danville	Maximum	62	56	66	64	61	58	71	64	65	58	48	44	59	56	53	66	72	76	76	72	76	71	61	44	50	51	66	62	66	72	...	61.8
	Minimum	36	25	36	51	42	36	45	40	29	40	26	28	29	27	18	21	31	35	48	43	54	57	31	33	26	30	43	49	58	47	...	37.0
Dix Dam	Maximum	67	57	67	65	61	60	71	67	65	60	51	45	57	55	60	65	65	73	75	67	78	74	60	47	49	51	67	61	67	78	...	62.8
	Minimum	37	28	44	52	42	35	48	40	33	39	30	32	32	31	21	23	27	34	58	47	59	50	38	35	34	33	36	53	55	59	...	39.8
Eubank	Maximum	61	66	64	67	63	64	65	63	68	59	60	58	65	63	60	58	68	72	70	68	74	78	68	65	63	60	60	63	68	68	...	64.5
	Minimum	36	25	35	50	51	47	49	46	31	39	33	26	24	24	24	26	36	38	51	48	58	56	38	36	31	45	48	50	51	50	...	39.4
Frankfort	Maximum	68	54	68	67	60	60	73	66	61	60	51	47	57	57	56	64	67	74	75	69	77	74	64	46	47	52	66	68	61	71	...	62.5
	Minimum	34	23	32	52	35	38	48	35	29	36	26	33	30	30	20	20	28	33	54	49	59	58	38	35	27	30	40	54	53	55	...	38.0
Franklin	Maximum	72	62	65	70	71	74	77	70	72	68	54	50	65	58	63	65	72	75	78	74	78	70	63	50	60	60	68	64	63	63	...	68.3
	Minimum	38	28	41	51	45	38	46	51	34	36	34	26	33	30	23	26	34	44	52	52	65	55	38	27	31	40	48	54	54	45	...	40.8
Glasgow	Maximum	71	48	65	65	65	69	71	60	69	60	48	48	58	54	64	64	68	75	77	68	70	70	62	61	60	49	64	62	60	61	...	62.2
	Minimum	33	27	40	41	40	29	45	45	34	34	29	25	25	23	22	22	30	31	46	54	61	55	37	26	31	40	48	53	53	43	...	37.7
Greensburg	Maximum	71	54	64	61	60	61	73	66	65	60	53	51	58	58	53	60	62	74	68	68	73	72	63	48	54	50	67	62	63	62	...	61.6
	Minimum	36	24	36	52	35	33	43	40	28	37	29	22	23	28	18	17	24	26	47	47	58	55	37	31	28	31	46	65	52	50	...	36.3
Irvington	Maximum	63	57	65	64	56	62	71	66	64	60	49	45	61	55	55	62	65	72	73	70	77	72	60	49	52	58	65	61	59	65	...	61.0
	Minimum	40	27	49	51	44	39	51	43	33	42	31	29	33	30	25	26	39	46	57	60	62	56	35	28	32	41	49	52	52	46	...	41.5
Leitchfield	Maximum	62	58	65	67	59	63	75	66	67	60	51	46	60	55	58	64	66	75	73	70	76	71	62	48	55	50	66	62	59	64	...	62.4
	Minimum	37	37	48	52	43	37	47	48	32	45	29	26	30	28	23	26	38	43	54	58	61	54	38	26	31	37	48	54	52	47	...	40.9
Lexington	Maximum	47	54	67	63	59	57	68	64	61	57	42	44	53	45	56	61	64	71	73	69	77	62	41	46	48	48	57	59	65	72	...	58.3
	Minimum	35	27	30	46	43	38	37	39	31	38	27	28	31	28	23	27	32	40	61	51	56	57	35	33	28	29	45	52	53	53	...	37.9
Louisville	Maximum	47	54	68	64	55	60	69	60	61	56	42	45	59	45	55	63	65	71	71	70	77	67	42	47	48	50	62	63	60	67	...	59.2
	Minimum	34	29	46	52	45	42	53	30	39	40	32	29	35	30	27	31	39	41	57	66	62	47	36	34	33	38	48	54	54	41	...	41.4
St. John	Maximum	41	50	69	61	68	64	77	70	57	68	59	60	58	55	49	47	57	60	57	67	65	60	60	48	60	49	62	63	60	57	...	58.9
	Minimum	34	25	41	38	35	32	16	38	35	40	37	30	24	26	30	35	40	42	46	53	40	51	30	25	35	28	45	53	51	48	...	37.1
Shelbyville	Maximum	65	57	68	66	55	66	76	66	69	62	48	46	55	55	56	64	65	72	75	70	77	74	61	44	47	49	63	61	57	57	...	60.6
	Minimum	35	24	40	51	42	35	45	39	30	40	25	28	28	28	24	26	34	40	58	52	59	56	36	34	27	33	45	51	52	52	...	38.8
Taylorsville	Maximum	60	53	66	64	57	58	70	63	58	51	44	43	58	51	54	59	61	71	74	70	77	72	60	46	49	56	65	60	60	68	...	60.0
	Minimum	34	22	32	47	34	32	46	35	27	33	27	26	27	27	21	30	27	39	50	48	60	56	37	35	26	30	45	52	52	49	...	36.4
Williamstown	Maximum	64	54	68	65	60	59	69	68	61	56	48	46	55	54	58	65	67	70	75	72	77	71	60	49	49	49	64	58	57	71	...	61.2
	Minimum	32	23	35	51	38	36	47	37	28	41	28	31	32	26	27	30	33	38	55	49	58	56	36	38	27	31	43	50	51	53	...	38.3
Eastern Division.																																	
Ashland	Maximum	65	49	67	65	64	55	67	64	53	54	51	37	53	53	60	60	63	70	74	77	75	74	65	44	46	48	61	64	64	77	...	60.4
	Minimum	41	24	29	58	28	42	43	38	28	30	31	33	30	34	20	23	26	32	45	39	50	45	54	37	28	30	40	50	51	46	...	38.0
Berea	Maximum	64	60	67	66	64	57	71	67	60	58	51	46	57	55	56	62	67	76	74	75	76	75	61	60	57	52	67	62	67	74	...	63.7
	Minimum	34	26	42	53	49	38	42	41	29	43	29	31	38	28	19	29	36	40	61	53	59	58	33	35	29	40	44	55	51	56	...	41.4
Farmers	Maximum	67	67	67	67	67	59	71	71	69	67	44	43	59	50	56	60	65	77	74	71	78	61	48	48	49	52	65	63	61	78	...	62.3
	Minimum	33	29	33	53	41	36	34	38	38	36	27	32	26	26	20	36	24	28	34	39	52	36	37	33	20	29	30	44	45	54	...	34.0
Harlan§§	Maximum	53	59	70	67	65	60	73	69	68	62	44	40	55	45	60	65	68	71	75	70	78	74	59	49	52	47	66	67	67	77	...	61.9
	Minimum	40	26	30	52	35	35	36	35	30	35	28	32	24	33	19	19	22	26	58	57	49	66	39	36	25	27	40	42	52	48	...	35.2
Heidelberg	Maximum	49	52	70	68	62	57	68	64	60	58	49	42	55	60	61	63	62	67	76	74	78	74	59	49	47	49	65	64	63	75	...	61.0
	Minimum	39	23	30	52	36	37	46	34	26	40	34	32	35	31	28	18	20	24	51	41	57	58	37	35	28	35	46	52	52	56	...	37.4
Maysville	Maximum	55	53	66	64	57	52	70	63	62	56	51	44	58	51	54	59	61	71	74	70	77	72	60	46	49	56	65	60	60	68	...	60.0
	Minimum	36	23	30	52	36	37	46	34	26	40	34	32	35	31	28	18	20	24	51	41	57	58	37	35	28	35	46	52	52	56	...	37.4
Middlesboro	Maximum	52	59	62	65	64	57	71	70	61	52	40	54	54	54	60	62	64	69	67	73	73	70	48	54	56	47	65	62	69	73	...	*61.5
	Minimum	42	24	38	51	56	38	31	..	28	35	29	29	18	29	16	16	40	21	32	34	59	64	38	33	19	27	36	46	48	48	...	*35.2
Mount Sterling	Maximum	48	51	68	66	63	55	66	65	62	64	43	41	64	49	55	64	67	71	78	71	76	70	55	43	46	52	68	64	68	75	...	60.6
	Minimum	34	24	33	51	37	35	39	36	28	36	27	31	28	26	19	22	31	33	40	43	56	51	33	31	24	32	46	52	54	46	...	36.3
Paintsville	Maximum	65	..	72	67	70	64	74	74	69	68	58	41	58	55	61	66	71	77	79	76	78	77	71	47	55	54	67	67	69	81	...	*66.7
	Minimum	42	..	26	52	40	47	36	37	29	35	32	31	25	32	19	23	24	29	40	36	54	46	41	35	28	28	35	45	50	47	...	*36.5
Quicksand	Maximum	70	63	74	73	72	69	73	72	68	61	53	43	56	49	59	66	69	78	78	73	82	77	70	48	54	51	69	70	69	80	...	66.2
	Minimum	37	22	28	43	30	34	34	31	27	31	26	23	24	28	17	18	20	24	35	34	47	60	38	30	21	25	39	40	48	49	...	72.0
Richmond	Maximum	68	59	66	67	64	64	65	72	65	63	48	45	46	53	48	60	65	68	72	75	75	80	62	42	51	55	66	68	60	72	...	62.0
	Minimum	36	26	40	52	45	36	45	46	31	43	27	31	36	28	23	28	28	33	43	53	52	58	58	40	34	26	35	40	52	54	...	40.2
Williamsburg	Maximum	72	65	65	69	69	63	76	74	71	62	52	48	60	56	61	65	71	73	76	68	78	76	74	51	58	47	63	72	68	77	...	66.1
	Minimum	33	27	40	46	41	40	41	43	30	37	29	28	26	28	20	22	25	27	30	40	60	65	39	35	22	33	41	50	55	68	...	37.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* 5 etc. indicate respectively 1, 2, 3 etc. days missing from record.

V. H. D. Louisville, 11-05-34—300

1.05
KE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

THE LIBRARY OF THE
MAR 13 1935
UNIVERSITY OF ILLINOIS

KENTUCKY SECTION.

J. L. KENDALL.

VOL. XXXIX LOUISVILLE, KY., [illegible]

GENERAL SUMMARY.

The sharp decline in temperature during the first decade stopped the slow growth that had prevailed in fall grains until early in the month. Light snow cover toward the end of this cold period, which culminated with abnormally low temperatures, was beneficial as protection and later furnished needed moisture. Because of the relative dryness of the soil, the hard freezes had no ill effects on grains. They continued undersized, but remained in good condition at the end of the month. Although pastures had become unproductive because of deficient moisture as well as falling temperature, livestock ranging the fields still obtained some forage that reduced feeding requirements. With the passage from comparative mildness to severe weather stock had to be protected and more heavily fed. Moderate weather prevailed during the last half, but temperatures were too low for growth.

Comparatively heavy precipitation occurred in the western counties, where the subsoil became well supplied. It was generally deficient in the central and eastern counties, where it came in the form of light to moderate rainfall that increased the surface moisture but did not penetrate deeply. These rains toward the end of the month improved the water supply for livestock, which had remained limited in many eastern upland districts. The brevity and infrequency of showers during the first half seriously handicapped the stripping of Burley tobacco and almost prevented any activity in handling the dark variety. Toward the end more frequent rains, with extended moistness, conditioned tobacco for short periods and permitted better progress; but the work could not make seasonal advancement.

Farmers took advantage of the dry weather to do some plowing, but it was noted that dry soil was often turned up. The weather favored the completion of corn gathering.

TEMPERATURE.

Temperatures not far from the seasonal average prevailed during the first week, but in the second they fell as low as 5° to 10° above zero at many northern stations and ranged from 10° to 20° below normal in all sections. Temperatures near or above normal predominated during the last half of the month, with maxima of 60° to 65° at several eastern stations. The extremes were 69° at Middlesboro on the 1st and 5° at Anchorage on the 12th.

PRECIPITATION.

Precipitation averaged slightly more than half the normal amount. From a range of 3.0 to 4.0 inches in the extreme western counties it decreased to 1.5 inches in the Big Sandy Valley. Most of the eastern division received only one-third to one-half of the seasonal average. Fairly well distributed rains occurred in the periods, 2d, 19th, 22d, 24-26th, and 28th-31st. These rains were heavy at some western stations on the 19th and locally in all divisions on the 26th. Snow occurred generally in the period 7-11th. It ranged from trace Harrisburg to 1.0 inch in the western counties and from 2.0 to 6.0 inches in the eastern districts. Precipitation for the state varied between 1.22 inches at Lovelaceville, Ballard County and 6.8[illegible] Whitesburg, Letcher County. Thunderstorms were reported on the 3d, 24th, and 25th.

MISCELLANEOUS.

Rivers.—A rise in the upper Ohio during the first week brought moderate stages to that section and raised the river well above pool levels in the middle and lower sections. It soon subsided and remained near pool stages during the last half of the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea-level) Mean.	Highest	Date.	Lowest.	Date.	Wind Av. hourly velocity (miles)	Maximum velocity	Direction.	Date.	Relative humidity 7 a.m.	1 p.m.	7 p.m.	Percentage of sunshine.
Cairo ..... Ill.	30.19	30.56	5	29.56	19	9.3	25	sw.	3	82	69	72	54
Cincinnati ..... Ohio	30.16	30.55	26	29.83	19	8.7	27	sw.	19	78	69	76	34
Evansville ..... Ind.	30.17	30.56	5	29.56	19	9.5	25	sw.	3	79	68	78	37
Louisville ..... Ky.	30.18	30.56	26	29.38	19	10.9	36	w.	26	79	66	68	39

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature Mean.	Departure.	Highest	Lowest	Precipitation Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889....	50.2	+12.3	76	13	1.57	-2.43	5.15	0.29	...	..	..	..	..
1890....	37.8	- 0.1	70	12	3.51	+ 0.57	7.50	1.78	...	..	..	..	..
1891....	42.4	+ 4.5	70	15	4.10	+0.12	5.68	2.14	...	..	..	..	..
1892....	34.6	- 3.3	74	- 3	4.22	+0.22	7.52	1.06	...	..	..	..	..
1893....	30.0	- 1.1	58	10	2.69	-1.25	4.59	1.56	...	..	..	..	..
1894....	38.7	+ 0.8	76	-11	4.33	+0.33	6.65	2.14	...	16	..	..	..
1895....	38.8	+ 0.0	77	6	4.43	+0.43	6.66	2.28	...	9	7	9	15
1896....	39.6	+ 1.7	73	7	1.82	-2.10	3.36	0.64	...	9	11	5	9
1897....	38.0	+ 0.1	72	3	3.75	-0.25	6.07	2.32	2.5	16	5	8	18
1898....	34.1	- 3.8	70	-12	2.74	-1.24	4.57	1.31	5.7	8	14	7	10
1899....	34.8	- 3.1	70	-15	4.26	+0.28	6.32	2.43	2.6	16	12	8	11
1900....	38.6	+ 0.7	70	12	2.50	-1.39	5.85	1.11	0.1	8	13	5	12
1901....	32.3	- 5.6	72	-22	4.96	+0.92	7.79	1.52	7.1	16	5	5	16
1902....	36.7	- 1.2	72	- 3	7.37	+3.38	11.97	4.07	2.4	12	7	5	15
1903....	30.7	- 7.2	58	0	2.88	-1.10	4.85	1.49	2.6	7	16	6	9
1904....	36.4	- 1.5	72	- 2	4.30	+0.32	6.51	2.88	2.4	11	10	5	16
1905....	37.3	- 0.6	66	11	4.58	0.46	6.12	2.66	1.2	8	11	5	15
1906....	39.0	+ 1.1	76	9	5.64	+1.66	7.83	3.25	1.6	15	6	4	21
1907....	38.5	+ 0.6	70	8	3.26	-0.78	4.48	1.94	1.0	11	8	5	18
1908....	39.8	+ 1.9	74	7	2.42	-1.56	4.68	0.67	0.4	5	11	6	14
1909....	29.9	- 8.0	58	-14	3.46	-0.52	4.72	1.17	3.8	9	15	5	11
1910....	31.1	- 6.8	68	- 8	3.37	-0.61	4.80	2.12	4.6	8	11	5	15
1911....	41.6	+ 3.7	74	11	6.25	+2.27	10.36	4.15	0.4	12	6	5	20
1912....	37.2	- 0.7	73	5	3.98	0.00	6.81	2.32	5.5	9	13	5	13
1913....	39.5	+ 1.6	70	11	2.72	-1.25	4.11	1.21	1.6	7	10	5	16
1914....	32.8	- 5.1	70	-16	5.22	+1.24	9.45	2.53	7.7	14	5	4	21
1915....	37.0	- 0.9	64	9	7.58	+3.58	10.62	5.26	3.3	12	10	5	16
1916....	35.5	- 2.4	71	-14	4.23	+0.17	5.87	2.44	10.1	10	12	6	13
1917....	26.5	-11.4	52	-21	2.01	-1.97	3.96	0.78	17.3	8	7	4	20
1918....	44.8	+ 6.9	75	14	4.44	+0.46	7.10	2.34	0.7	12	12	6	11
1919....	34.6	- 3.3	68	3	4.93	+0.95	7.86	2.15	1.4	7	12	5	14
1920....	38.6	+ 0.7	68	4	2.89	-1.09	7.72	1.1	2.1	6	9	6	16
1921....	41.7	+ 3.8	73	18	4.40	+0.42	6.78	1.27	0.1	9	9	5	17
1922....	41.5	+ 3.6	77	5	5.64	+1.66	9.31	2.7	0.5	12	10	6	15
1923....	45.6	+ 7.7	75	8	6.06	+2.02	9.73	4.66	2.3	14	8	5	17
1924....	35.9	- 2.0	70	- 9	5.47	+1.50	11.32	2.28	1.2	8	13	5	13
1925....	33.8	- 3.1	70	- 5	0.86	-3.09	1.94	0.25	1.5	5	13	5	13
1926....	37.8	- 0.1	75	5	6.61	+2.63	11.21	3.04	6.2	14	8	4	19
1927....	37.4	- 0.5	77	1	3.97	-0.01	6.79	1.3	0.3	7	14	4	13
1928....	39.5	+ 1.6	72	5	2.55	-1.45	5.42	0.78	1.7	7	17	5	9
1929....	39.0	+ 0.9	68	15	2.75	-1.25	4.06	1.58	1.1	9	11	5	15
1930....	35.4	- 2.7	69	- 2	2.91	-1.09	4.45	0.78	2.5	7	13	5	13
1931....	40.1	+ 2.0	77	17	5.38	+1.38	8.82	2.56	1.8	8	7	5	19
1932....	37.9	- 0.2	72	5	4.39	-0.24	10.3	1.3	3.5	10	9	5	17
1933....	42.2	+ 4.1	75	7	3.43	-1.20	5.27	0.96	1.4	8	26	3	2
1934....	37.6	- 0.5	69	5	3.78	-0.85	5.22	2.1	1.8	9	8	6	17
Total ...	...	...	...	20	...	...	...	...	...	11	6	5	18

Climatological Data for December, 1934.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	30	37.8	− 0.4	56	26	13	11	34	3.02	−1.23	1.15	T.	9	8	9	14	sw.	W. A. Taylor.
Calhoun	McLean	437	30	38.0	− 0.6	57	26	12	11	33	3.19	−0.86	0.90	0	14	12	2	17	n.	Brick Southworth.
Earlington	Hopkins										3.20		1.35	T	9					Lockmaster.
Fords Ferry, Dam 50	Crittenden	356	5																	
Greenville	Muhlenburg	519	17	36.6	− 2.1	57	23†	10	11	36	2.51	−1.77	0.78	0	8	11	8		s.	C. R. Lovell.
Henderson	Henderson	382	20	36.7		55	2	12	11	35	3.77	−0.35	1.61	0	7	9	6		w.	Richard Stites
Hopkinsville	Christian	524	38	37.2	− 1.3	58	22	9	11	31	2.26	−2.52	0.59	T.	12	10	3		se.	W. E. Graves.
Hopkinsville	Ballard		5	38.8		56	2	12	11	34	4.22		1.38	1.0	8	12	5		n.	Blaine Malone.
Lovelaceville	Ballard		5	38.8		56	2	12	11	34	4.22		1.38	1.0	8	12	5		n.	B. C. Paris.
Marion	Crittenden‡	571	35	36.4	− 1.9	56	26	11	11	32	3.05	−0.96	1.10	T.	5	8	8		n.	Mrs. C. R. Sowell.
Mayfield	Graves	364	25	38.2	− 1.8	57	23	13	11	29	2.13	−2.15	0.59	T.	9	10	10	11	s.	Harry B. Arnold
Murray	Calloway	412	8	36.8		58	23	10	11	37	3.56		0.97	T.	10	9	8	14	s.	Henry S. Berry.
Owensboro	Daviess	479	37	38.7	− 2.3	55	25	11	11	34	2.17	−1.69	0.64	T.	8	9	5	17	nw.	Lockmaster.
Owensboro, Dam 46	Daviess	404	6								2.44		0.81	0.2	10					Lockmaster.
Paducah	McCracken	516	17								3.50	−0.36	1.40	T.	10	8	7	16		C. J. Rhodes.
Paducah, near§	McCracken	341	45																	J. W. Lilley
Princeton	Caldwell	529	27	37.2	− 1.2	56	23†	11	11	36	3.43	−0.95	0.72	T.	14	9	4	18	e.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	384	17								2.44	−1.40	1.05	T.	7					Lockmaster.
Russellville	Logan	590	23	35.6	− 2.8	58	25	12	11†	30	1.86	−2.20	0.87	0	8	11	5	15	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	6								2.79		1.33		9					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	6								2.44		0.75		14					Lockmaster.
Anchorage	Jefferson	700	33	35.0	+ 0.5	56	1†	5	12	36	1.27	−2.65	0.49	1.7	6	12	5	14	w.	C. E. Barret.
Bardstown	Nelson	657	37	35.7	− 0.1	58	1	10	11	35	2.14	−2.18	1.10	0.5	7	11	12	8	s	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	45	39.2	+ 0.7	57	23	15	12	31	2.28	−2.26	0.80	T.	10	7	8	16	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	9								1.78		0.80		8					Lockmaster.
Brownsville, Lock 6‡	Edmonson	410	17								2.35	−2.62	0.92		10					Lockmaster.
Burnside	Pulaski	773	43								2.12	−2.42	0.38	1.0	12					T. A. Lewis
Carrollton, Lock 1	Carroll	480	35								1.63	−1.61	0.54	0.2	5					Lockmaster.
Cold Spring, Dam 36	Campbell	489	8								1.50		0.49	3.5	8					Lockmaster.
Danville	Boyle	510	1	36.0		57	26	9	12	37	1.84		0.52	0.7	9	11	5	15	sw.	Ralph L. Wyatt.
Dix Dam, Burgin	Mercer	770	6	38.8		59	1	15	11†	35	2.55		1.20	0.3	10	5	12	14	nw.	C. W. Williams.
Eubank	Pulaski	1177	40	36.8	+ 0.4	58*	1	10*	10	37*	1.67	+2.20	0.72		5	7	6	18	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	42	37.2	0.0	58	26	8	12	36	1.93	−1.77	1.16	0.2	9	8	6	17	w.	Lockmaster.
Franklin	Simpson	691	39	39.2	− 1.0	60	2	11	11	33	2.69	−1.88	0.65	0.0	13	10	9	12	s.	Marcus Gatewood.
Glasgow	Barren	490	23								1.82	−2.18	0.90	1.9	7					Lockmaster.
Gest, Lock 8	Henry	780	8	37.6		57	15	11	12	36	2.86		0.75	0.0	8	10	10	11	e.	P. L. Beatty.
Glasgow	Barren	780	9								1.42		0.46	3.5	7					Lockmaster.
Grant, Dam 38	Boone	581	41	36.9	+ 0.6	62	13	8	12	38	2.21	−2.13	0.53	0.5	10	2	1	28	n.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	644	32								2.16	−2.32	1.36		9					Lockmaster.
High Bridge, Lock 7	Jessamine	646	36	36.8	+ 0.1	56	24	12	11	31	2.04	−1.90	0.91	T.	7	8	3	20	sw.	W. J. Pigeott
Irvington	Breckinridge	1032	8								1.47		0.75		9					Walter Killion.
Lancaster	Garrard	635	38	36.6	0.0	56	23	12	11	30	2.99	−1.84	1.47	T.	13	10	10	11	nw.	H. H. Willis.
Leitchfield	Grayson	989	50	35.2	− 0.6	54	23	10	12	36	2.52	−1.95	0.63	1.9	14	8	5	18	se.	U. S. Weather Bureau.
Lexington	Fayette	560	23								1.92	−1.79	1.00	0.5	7					Lockmaster.
Little Hickman, Lock 8‡	Jessamine	485	24								2.65	−1.18	0.90	2.5	8					Lockmaster.
Lockport, Lock 2	Henry	525	61	36.2	− 1.4	54	26	10	11	36	2.37	−1.37	0.68	2.0	11	9	6	16	sw.	U. S. Weather Bureau.
Louisville	Jefferson	777	38			57	1†				2.77	−1.78	0.80	0.2	8	13	3	15		Sisters of Loretto.
St. John	Hardin	520	20								2.81	−1.77	1.25		8					Lockmaster.
Salvisa, Lock 6‡	Mercer	825	45	35.8	− 0.4	55	26	7	12	36	2.43	−1.60	1.05	1.8	12	7	1	23	sw.	Miss RuthKatta.
Shelbyville	Shelby	489	32	37.9	+ 2.7	57*	26	10*	11	40*	2.32	−2.08	1.20	1.0	6					Elizabeth J. Bourne.
Taylorsville	Spencer	524	16								1.89	−2.54	1.05	2.0	7					Lockmaster.
Tyrone, Lock 5‡	Anderson	943	31	35.2	+ 1.7	56	2	9	12	40	1.84	−1.67	0.70	3.5	8	11	11	9	w.	Miss Nettie B. Simpson.
Williamstown	Grant	504	17								2.35	−1.98	0.99		10					Lockmaster.
Woodbury, Lock 4‡	Butler																			
Eastern Division.																				
Annville	Jackson	534	15	36.6	− 2.7	60	1	10	12	29	1.69	−1.69	0.46	2.5	13	5	10	16	sw.	W. A. Worthington.
Ashland	Boyd	1070	29	37.8	+ 1.2	58	3	14	11†	37	1.53	−2.93	0.63	3.2	10	13	4	14	w.	Lockmaster.
Berea	Madison	611	24								1.44	−2.74	0.45	2.2	11	8	5	18	nw.	Chas. G. Graham.
College Hill, Lock 11	Madison	684	16								1.46	−2.74	0.60	2.3	12					Lockmaster.
Cynthiana	Harrison	680	45								1.92	−2.27	1.10	2.0	9					P. H. Kehoe.
Falmouth	Pendleton	660	26	36.8	+ 0.8	68*	1	10*	12	34*	1.68	−1.78	0.84		9					J. V. Oldham.
Farmers	Rowan	668	26	37.9	+ 2.7	57*	26	10*	11	40*	2.09	−2.10	1.02	T.	7	9	3	19	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	9								1.80		0.80		7					C. A. Glascock.
Ford, Lock 10‡	Clark	647	18								2.53	−0.91	1.62	1.3	10					Lockmaster.
Grayson	Carter	589	9																	Col. Frank Powers.
Greenup, Dam 30	Greenup	540	14								1.69	−1.95	0.80	6.5	8					Lockmaster.
Harlan	Harlan	1197	6	40.0		63	25†	14	12	38	2.37		0.80	2.5	10	18	1	12	s.	W. W. Duffield.
Hazard	Perry	869	10								1.75		0.45	0.7	14					Chas. O. Hrig.
Heidelberg, Lock 14	Lee	663	17	37.6		60	23†	8	12	42	1.40	−2.30	0.42	1.5	11	8	3	20	w.	Lockmaster.
Jenkins	Letcher	1566	10								1.29		0.40		12					R. R. Davidson.
Louisa	Lawrence	584	30								1.31	−2.39	0.50		10					Lockmaster.
Manchester	Clay		14								1.52	−2.81	0.54	2.0	5					Jeanett H. White.
Maysville	Mason	524	37	35.7	+ 1.1	58	16	11	12	38	2.84	−0.49	1.80		9	9	3	19	w.	Lockmaster.
Middlesboro	Bell	1128	38	36.5	− 1.9	69	1	11	12	34	2.54	−2.24	0.55	1.5	9	10	14	7		Matthew Woodson
Mount Sterling	Montgomery	930	44	34.6	− 0.8	55	28	13	12	38	3.00	−1.28	1.40	3.0	9	12	6	13	nw.	W. R. McKee.
Oneonta, Dam 35‡	Campbell	497	7								1.19	−2.46	0.53	3.5	7					Lockmaster.
Paintsville	Floyd	567									1.88		0.35	4.5	13					Manuel Robinson.
Pikeville	Pike	686	28								1.69	−2.19	0.36		6					Robert Repass
Pippapass	Knott	1035		37.8		62*	15	7*	12	43*	1.09		0.29	3.2	10	14	0	17		F. W. Summerfield.
Quicksand	Breathitt	732	8	38.6		64	1	12	12	46	1.59		0.63	0.4	6					R. W. Jones.
Ravenna, Lock 12	Estill	631	16								1.23	−2.44	0.53		9					Lockmaster.
Richmond	Madison	926	43	37.8	− 0.1	64	1	12	12	30	3.51	−0.47	1.00	3.0	12	10	1	20		J. W. Crooke.
Valley View, Lock 9	Madison	571	21								3.16	−1.17	1.53	1.0	9					Lockmaster.
Vanceburg, Dam 32	Lewis	525	19								1.97	−1.91	1.27		10					Lockmaster.
Whitesburg	Letcher	1142	9								0.83		0.30	6.0	8					G. H. Zimmerman.
Williamsburg	Whitley	989	37	38.2	− 0.9	69	15	10	12	40	1.34	−2.53	0.40	0.0	9	11	12	8		H. F. Davis.
Willow, Lock 13	Lee	646	15								1.86	−2.58	0.60	6.0	12					Lockmaster.
State averages and extremes				37.0	− 0.9	69	1	5	12	46	2.18	−1.80	1.62	1.5	9	10	6	15	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, *, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

T Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.

* Also on other dates. †† Received too late to be included in means and summaries.

¶Post-office addresses.—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky; Lock 10, Red House Ky; Scott, Independence, Ky. Oneonta, California, Ky.

Daily Precipitation for December, 1934.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
eaver Dam	G																															
dison	G		.58				T.	T.	T.	T.					T.	T.			.81			.20		.11	.05	1.15		T.	.05	.13	.10	.72
rlington			.52												.07			.60	.28	.09	.05	.25		.10	.65	.96			.10	.24		3.14
rds Ferry Dam 80	O	T.	.40	.02				T.	T.	T.						T.			1.35	.01		.20			.20				.04	.25	T.	5.39
ssell	G		.46				T.	T.		.03					T.				.50			.20		T.	.12	.78			T.	.15	.18	1.75
nderson	O		.55					.10											1.61			.50		.31	.60				.04			3.07
pkinsville	C	.01	.50							T.	.01				.01				.52		T.	.06		.04	.62	.50		T	1.	.14	.34	2.26
wellsville	M		.56				.10												1.08			.68			.20	.50				.55	.30	4.09
rlton			.54				T.	T.	T.	T.					T.				1.14					.18	1.	1.10			.23			3.25
xmold	M		.91				T		T.	T.					T.	.05			.69		T.	T.	.08		.05	.59		.25		.25		2.83
rray	T	T.	.50				T.	T.	T.						.10			T.	.97	T.	.08			.20	.20	.53		T.	.50	.10	.33	4.06
wensboro	O		.46				T.	T.		T.					T.			.64	1.					.20	.40	.30			.04	.03	.10	2.17
wensboro, Dam 46	O	T.	.44	.08				T.	T.	.02	.05								.67	T.		.11			.18	.81			.05	.03		2.74
rlington	O		.41	.02				.01		T.	T.								1.49			.05			.18	.50		T	.05	.42	.01	3.09
dbrugh Cheatr	O																															
mberson	G		.55				.02	.04		.03					.01			.02	.72		.25			.27	.60			.06	.24	.05	.56	3.46
mpsey, Lock No. 2	G		.50	.03				T.		T.	T.								.52			.15			.11	.45			T	.08		2.44
sselville	G																.03		.40			.13			.11	.87			.06	.04	.25	1.86
nontown Dam 49	O		.34	.02				T	T.	T.	T.								1.33	.01		.19		T.	.24	.45			.14	.14	T	2.70
Central Division																																
dison, Dam 45	O	.04	.30	.12				.07	T.	.03	.04					.02			.60	.03		.07			.23	.75		T.	.05	.08	T.	2.44
chorage	O		T.						T.	.10					T.				.15		T.			.14	.49					.30	1.25
rdstown	S	.03		.26						.04	.20											.80				1.16		.12				2.34
wling Green	G			.45				.01			.02								.25			.10			.10	.80			.05	.15	.35	2.28
wling Green, No. 2	G			.45				.01			.02								.25			.10			.10	.80		T.	.05			1.78
wensville, Lock No. 6	G			.38	T.					.03	T.								.35	.08		.80			.06	.92		.01	.05	.14		2.59
ristle	C	.05		.20	.07					T	.04								.32	.21		.22			.11	.88		T	.09	.31	.12	2.12
rrollton (Lock No. 1)	K					.27				.13									.47						.22	.34					T.	1.63
ld Spring, Dam 26	O		T.	.20				T.	T.	.01									.38	.13					.13	.40			.02			1.50
nville	K	T.		.27			.08	T.		.04	T.								.39			.01		T.	.10	.82		.03		T.	.12	1.84
x Dam, Burgin	K		.15		.13				.01									.23	.10		.03			.08	1.20			.10		.50	2.85
dmas	C				.30						.10								.40		.03			.72								1.67
nckfort	K		T.	.11	.09				T.	.11	.04	T.				T			.26	.02		.02			.12	1.16		T.	T.		T.	1.93
nsklin	G			.60				.02			.02								.65	.02		.07		.06		.44		.19	.17	.25	.18	2.69
st, Lock No. 3	K				.13	.06					.19									.32							.18	.20		.04		1.82
asgow	O			.74							T.								.40			.16		.06		.75		.15	.20		.40	2.86
rant, Dam 38	O			.02	.14					.13									.41	.04					.22	.46			T.			1.42
eensburg	G	T.		.59			T.			.03									.35			.28		T.	.64	.53		.05	.05	.13	.20	2.21
gh Bridge, Lock No. 7	K			.15	.16			T.		.12	T.								.22	.08		.04			.06	1.36			.07			2.16
vington	O	T.		.29			T.	T.	T.	T.	T.				T.				.46	T.		.45				.91		T.	.03	.42	.38	2.64
ncaster	K		.20				.08	.02	.07									.18	.10			.75			.04			.03				1.47
tchfield	G			.35			.02	.05		.02									.40			.10		.12	.60	1.47		.02	.05	.06	.27	2.99
xington ***	K	.01		.29			T.	T.	.07	.18	T				T.			T.	.35		.06	.01		.06	.63	.15		.06	.03		.38	2.52
tle Rockcastle, Lock No. 8	K			T.	.22				T.	.05									.30	.10		T.			.10	1.09			.05		.10	1.92
ckport, Lock No. 2	K		.17	.32					T.	.21									.40						.90		T.	.12		.01	.72	2.65
UISVILLE ***	O	T.		.25			T.	T.	.18	.02	T.				T.	T.		T.	.54	T.	.01	T		.25	.54	.14		.03	.04		.40	2.37
John	S			.55						.02	T.					T.			.50			.20			.15	.40				.15	.50	2.77
lviss, Lock No 6	K		T.	.27	.14					.05	T.								.35			.10			T.	1.25			.10	T.	.88	2.81
ghville	S			.23				.06	.06	.12									.50			.03		.05	.14	1.05		.02	.02		.15	2.43
tsville	S			.18			T.	.04							T.				.80		T.	.10		T.		1.20		T.	T.		.41	2.82
rone, Lock No. 5	K			.14	.12					.10								.28	T.			.10			.10	1.05			T.			1.89
lliamstown	L			.16						.21	.05								.83						.13	.70		.10			.17	1.64
odbury, Lock No. 4	G	.01		.46	.04					T.	T.								.41	.04		.25			.02	.93			.05	.08		2.35
Eastern Division																																
nville	C	T.		.15	.10			.02	.01	.10	.18								.25	.09		.08			.02	.46			.08	.09		1.69
shland	O	.10			.11					.23	.10								.11	.16		.03			.06	.63			.02			1.53
rea	K			.25			.03			.01	.02								.45			.09			.01	.42		.02	.04		.10	1.44
llege Hill, Lock No. 11	K		.02	.10	.15			T	.01	.06	.04								.20	.10		.05	T		.08	.60			.05			1.15
nthiana	L		T.	.21	.04					.10	.10								.32	.02		.02				1.10			.01		T.	1.92
lmouth	L			.08	.08			T.	T.	.13	.03				T.				.34	.02					.15	.84			.01		T.	1.66
rmers	L				.24					.17	.06								.29	.17					.14	1.02						2.09
rmansburg	L	.10			.25					.20	.05								.38							.80					.07	1.80
rd, Lock No. 10	K		T.	.09	.17			T.	.01	.10	.02	T.			T.				.29	.12		.05			.04	1.62			.02	T.		2.53
rrison	O																															
reenup, Dam 30	O	.60			.14					.10	.10								.18	.27						.80			.04			1.69
rlan	C	.09			.16						.42	.20							.30			.30				.50			.15	.18	.05	2.37
zard	K	.04	.06		.16			.02	.03	.05	.09								.20	.16		.45			.02	.28			.05	.15	T.	1.75
idelberg, Lock No. 14	K			.04	.27				.04	T.	.02	.04	T.						.30	.13		.05				.42			.07	.02		1.40
nkins	B				.18		.06	.10	.09	.08							.08	.03			.04	.40							.08	.10	.08	1.39
uisa	C	.10			.18					.12	.09								.05	.05		.05			.10	.50			.10			1.81
anchester	K									.01									.54			.30				.43				.24		1.52
aysville	O	T.	.02		.21					.22	.03								.30	.12					.08	1.30			.06			2.34
ddlesboro	C			.20						.05	.10								.55			.40				.51			.25		.20	.30	2.54
unt Sterling	L			.35				T	.15	.20									.41					.18		1.40			.04	.09	.23	3.00
eonta Dam 35	O		T.	.11				T.	T.	.11	.04					T			.36	.02					.02	.88			T.			1.19
intsville	B		.16		.02			.05	.02	.14	.10	.06							.11	.15	.06				.10	.55			.11			1.38
keville	B	.35			.21						1.10								.25	T.		.36				.82			T.			1.59
ppapass	K			.10			.02	.04	.05	.06	.13								.29	.03		.17				.20		T.	T.		.20	1.09
icksand	K		.12		.18						.16								.83								.63		.17			1.59
venau, Lock No. 12	K		T.	.08	.06			.05	.00	.06	.12	T.							.13	.12		T.			T.	.53			T.	T.		1.23
chmond	K	.68		.20	.10			T.		.08	.16								.35	.10		.15			.07	.70			1.00		.02	3.51
lley View, Lock No. 9	K			.14	.18				.50										.10		.07			.07	1.53			.03		.48	3.10
ancesburg, Dam No. 32	O	.04			.10				.06	.05					.07			.23	.07					.04	1.27			.04			1.97
hitesburg	K	.14	.20						.19				.10	.96				.02			.07			.05	T.						0.83
lliamsburg	C				.18					.09	.05		.12						.02	.82		.40				.15			.06			1.34
llow, Lock No. 13	K		.20	.10			.02	.02	.03	.10								.26	.09		.05			T.				.60	.02	.38	1.86

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. • Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Long Oak

Daily Temperatures for December, 1934.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Calhoun	Maximum	48	50	55	46	46	44	37	29	29	29	26	41	47	42	45	46	43	46	46	40	47	41	53	51	51	56	62	49	50	51	49	44.6
	Minimum	36	30	40	30	26	31	26	23	23	21	13	16	28	23	23	39	34	23	32	28	36	35	35	34	35	26	18	42	46	37	42	30.0
Earlington	Maximum	46	55	58	47	44	46	37	29	30	30	28	40	46	41	47	53	42	47	46	42	50	46	57	52	52	57	52	50	51	49	50	45.5
	Minimum	35	31	41	31	24	29	27	24	24	21	12	16	29	20	22	40	35	24	25	28	38	36	38	36	37	27	19	39	47	39	44	30.6
Greenville	Maximum	46	54	55	47	48	49	38	27	28	28	29	40	46	44	47	51	41	46	48	42	50	46	57	52	51	57	58	49	50	47	49	45.5
	Minimum	32	22	38	27	21	28	24	22	21	19	10	11	24	17	19	36	32	22	22	26	34	34	33	34	35	26	17	37	46	37	41	27.6
Henderson	Maximum	47	55	55	47	48	49	38	27	28	28	29	41	46	44	47	51	43	46	48	43	51	47	53	53	48	53	48	48	49	46	49	45.0
	Minimum	36	30	40	29	25	26	26	22	22	20	12	16	28	23	24	38	33	26	30	28	33	33	32	30	34	18	16	38	42	35	36	28.4
Hopkinsville	Maximum	48	55	55	45	49	50	36	31	30	28	31	40	39	43	50	45	45	48	46	48	50	46	56	49	52	46	51	48	50	46	48	45.2
	Minimum	33	27	37	26	24	29	24	23	23	20	9	14	25	24	25	38	33	23	32	26	33	36	30	36	38	28	20	39	45	39	44	29.1
Lovelaceville	Maximum	48	56	51	50	48	46	38	28	32	32	31	41	46	43	44	49	48	46	48	46	47	45	55	50	51	55	48	49	50	48	50	45.3
	Minimum	36	25	40	29	22	27	24	19	24	20	12	14	25	22	23	38	32	25	30	25	33	34	31	30	33	32	25	16	31	45	37	28.2
Marion	Maximum	48	52	52	48	42	44	38	27	28	30	26	38	44	39	47	51	44	43	44	39	48	44	52	50	46	56	47	49	50	48	48	43.5
	Minimum	34	32	39	29	26	32	23	20	22	19	11	18	27	23	28	41	29	26	29	26	31	34	35	34	35	24	18	42	39	38	41	29.2
Mayfield	Maximum	48	54	52	52	50	49	39	29	31	31	30	40	45	43	45	52	42	47	44	45	46	45	57	52	54	52	48	49	51	48	52	45.8
	Minimum	35	33	41	29	28	33	26	24	24	21	13	17	27	25	26	40	34	26	32	25	34	34	34	34	38	35	28	19	39	46	46	30.5
Murray	Maximum	48	57	57	50	50	49	35	29	32	32	28	41	46	44	49	53	43	52	46	45	47	47	58	53	52	48	53	50	51	48	53	46.6
	Minimum	30	21	35	25	20	25	25	21	23	20	10	12	26	20	19	36	32	24	31	21	31	32	27	35	33	25	16	32	41	40	43	26.9
Owensboro	Maximum	50	54	53	44	43	46	36	28	27	21	26	23	40	40	41	49	50	48	42	39	49	45	51	49	55	35	50	49	48	48	47	42.4
	Minimum	32	27	38	26	23	25	25	20	20	19	11	13	23	20	22	35	35	29	28	26	31	31	30	33	35	22	16	37	37	33	36	27.0
Princeton	Maximum	47	56	54	48	47	46	34	28	30	29	30	41	49	43	46	51	44	48	45	43	48	47	56	51	54	56	54	49	50	48	50	45.4
	Minimum	34	25	39	26	23	26	26	23	23	20	11	14	24	24	22	40	34	24	30	27	34	34	31	30	33	35	22	18	37	47	39	45	29.0
Russellville§§	Maximum	47	58	56	49	49	47	38	30	30	27	24	27	34	43	51	53	49	49	46	43	48	43	57	52	53	59	50	51	50	47	48	48.7
	Minimum	34	27	29	25	28	34	23	28	22	28	12	12	18	18	19	32	34	21	30	27	28	36	31	34	34	34	20	25	43	41	40	27.6
Central Division.																																	
Anchorage	Maximum	56	54	52	43	42	42	36	30	27	23	24	35	46	41	47	50	48	49	45	38	39	41	52	48	48	56	51	48	48	49	46	43.7
	Minimum	38	22	36	26	18	21	26	22	23	19	9	3	18	23	18	37	45	30	20	25	30	31	28	28	36	20	16	33	40	31	31	26.4
Bardstown	Maximum	58	55	52	46	38	46	37	35	27	26	25	30	44	46	52	52	40	51	47	41	55	47	57	51	53	45	50	39	50	49	46	45.3
	Minimum	33	24	37	27	20	24	28	20	24	20	10	12	25	22	17	40	31	27	32	27	31	34	31	32	35	32	18	36	47	35	38	28.1
Bowling Green	Maximum	55	54	55	50	55	49	40	36	29	27	27	38	45	48	50	55	46	50	46	43	49	48	57	54	51	56	52	50	50	47	47	47.1
	Minimum	36	26	38	29	25	30	29	25	25	25	16	15	27	25	20	43	28	26	26	26	30	29	37	31	35	41	38	23	39	47	45	31.4
Danville	Maximum	50	51	50	49	45	47	38	29	28	29	21	36	41	41	48	53	40	51	47	38	52	46	57	54	52	57	52	50	51	46	47	45.0
	Minimum	32	26	33	26	22	27	20	22	22	19	12	9	27	24	16	38	33	25	31	27	27	38	28	32	40	27	17	35	44	35	34	27.1
Dix Dam	Maximum	59	55	52	50	49	48	38	36	29	28	28	37	40	45	55	53	42	53	48	39	55	47	57	54	50	56	52	50	52	48	48	46.4
	Minimum	36	27	40	31	26	29	28	22	25	23	16	18	30	28	26	41	35	36	30	29	35	30	38	35	38	34	19	36	38	34	38	31.3
Eubank	Maximum	58	51	44	36	45	44	29	24	26	22	26	31	39	45	48	52	49	47	49	43	56	48	53	53	55	50	56	53	57	...	...	[a]44.7
	Minimum	45	35	29	26	25	23	16	21	16	10	15	22	17	19	21	24	26	28	31	29	32	26	29	43	41	18	49	80	49	49	...	[a]28.8
Frankfort	Maximum	54	54	52	51	44	45	38	30	28	26	28	36	46	44	53	53	42	48	48	37	53	48	55	50	50	58	53	51	51	49	49	45.9
	Minimum	36	25	28	30	23	21	27	23	24	20	14	8	27	29	17	40	36	31	34	30	29	34	23	31	40	29	18	31	47	33	32	28.4
Franklin	Maximum	48	60	55	51	48	49	38	30	29	27	30	40	48	52	54	54	46	42	39	47	56	48	54	55	58	44	52	50	48	51	48	46.6
	Minimum	35	27	40	30	25	29	28	25	24	22	11	16	30	37	31	44	34	26	24	25	35	37	34	42	43	34	22	41	42	42	44	31.8
Glasgow	Maximum	54	55	51	48	45	52	36	31	28	27	24	36	48	47	57	55	39	53	47	45	52	44	54	55	56	56	55	49	49	50	49	46.5
	Minimum	34	24	38	28	23	23	25	24	28	21	12	11	28	22	21	37	34	27	33	29	32	35	28	34	42	25	23	24	46	45	40	28.8
Greensburg	Maximum	52	53	49	49	42	48	38	33	29	28	28	34	41	41	51	51	44	42	42	39	53	48	57	55	55	60	57	52	51	48	49	46.3
	Minimum	33	20	37	26	19	22	24	23	22	20	13	8	24	24	16	38	38	25	31	27	27	35	23	29	42	23	19	36	43	37	41	27.5
Irvington	Maximum	46	53	53	44	43	43	35	30	28	27	28	38	44	40	47	52	41	47	45	38	51	48	54	56	52	54	51	49	50	45	35	44.1
	Minimum	36	30	40	30	25	27	26	24	24	21	12	16	26	21	22	38	34	29	30	29	26	33	29	33	40	24	20	43	45	35	35	29.5
Leitchfield	Maximum	47	50	53	49	43	43	35	30	25	25	26	38	44	41	48	51	40	49	45	41	52	46	56	51	59	52	50	47	48	46	47	44.4
	Minimum	34	29	38	28	25	27	25	22	21	20	12	14	28	21	22	28	25	27	32	27	34	34	33	36	37	26	20	41	45	36	40	29.0
Lexington	Maximum	50	52	50	41	42	45	30	27	28	25	23	32	40	41	51	51	36	48	45	34	50	45	54	49	48	42	52	50	47	48	46	41.9
	Minimum	33	27	37	29	25	27	26	22	25	24	19	16	25	24	22	39	32	28	32	28	31	32	30	38	49	30	31	45	54	54	51	30	28.5
Louisville	Maximum	49	53	51	42	42	41	33	30	28	24	24	37	43	41	50	52	38	44	40	38	49	39	51	45	54	54	51	50	49	49	48	43.1
	Minimum	36	32	34	31	28	30	24	22	21	17	16	17	32	36	24	37	34	28	36	29	37	34	34	31	35	18	18	42	39	39	38	29.3
St. John	Maximum	57	50	50	39	40	57	41	27	25	24	28	35	41	55	46	59	41	58	25	40	45	40	57	31	58	40	40	45	42	40	48	39.5
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shelbyville	Maximum	53	53	51	47	43	43	36	29	27	26	21	35	42	41	49	50	40	47	43	37	51	46	53	49	46	56	53	49	49	47	47	43.7
	Minimum	33	32	33	28	24	26	22	25	20	8	7	22	28	21	28	38	34	30	33	29	31	32	30	30	36	26	17	37	45	31	32	28.0
Taylorsville	Maximum	49	49	51	43	41	43	35	...	...	...	...	...	42	45	52	52	39	46	46	37	51	46	53	50	50	57	...	50	50	48	48	[a]46.8
	Minimum	33	32	33	29	20	20	26	...	...	...	16	...	24	25	26	35	27	32	20	29	34	27	32	38	27	28	...	47	34	...	[a]29.0
Williamstown	Maximum	54	56	49	47	45	44	37	28	26	25	23	33	44	41	48	50	40	48	45	34	52	45	54	49	50	58	54	55	50	46	47	43.7
	Minimum	35	28	36	27	26	27	24	21	20	19	16	9	22	26	19	38	33	29	31	28	28	31	27	28	35	25	13	36	42	27	28	26.7
Eastern Division.																																	
Ashland	Maximum	60	49	47	53	43	47	42	27	27	27	25	30	42	38	42	51	43	57	48	36	50	48	55	51	49	53	43	53	51	46	46	44.5
	Minimum	38	26	31	35	26	25	27	20	24	23	17	10	27	26	17	37	28	36	31	32	21	35	36	33	40	33	16	29	45	31	35	28.7
Beren	Maximum	54	52	58	57	51	47	40	29	27	25	23	32	39	40	53	52	44	51	48	40	52	48	57	51	51	57	54	51	51	50	42	46.5
	Minimum	34	27	35	29	24	30	25	18	20	19	14	14	27	27	18	38	34	28	31	28	28	34	28	30	44	35	17	38	45	37	36	26.4
Farmers	Maximum	58	56	48	50	45	30	29	34	28	28	24	36	49	50	64	69	46	61	85	58	43	57	55	58	55	56	57	54	51	51	51	[a]46.2
	Minimum	34	28	27	29	28	27	27	15	21	20	13	10	26	25	33	31	31	...	24	29	20	32	20	28	39	36	35	26	46	30	29	[a]27.4
Harlan §§	Maximum	53	53	54	57	52	52	42	40	36	32	32	40	49	56	57	57	58	54	58	54	56	57	58	59	63	63	62	60	56	52	50	53.1
	Minimum	47	23	29	32	21	24	22	25	24	16	16	14	21	20	20	20	20	23	28	33	27	35	27	27	38	44	39	38	43	40	26	26.9
Heidelberg	Maximum	47	56	50	47	49	52	32	29	29	29	24	33	41	47	57	55	44	53	45	42	54	46	60	55	60	62	62	60	56	52	50	46.7
	Minimum	36	21	29	31	24	26	29	29	25	23	15	28	24	26	15	36	27	27	36	24	22	37	20	28	45	41	17	32	45	39	36	28.4
Maysville	Maximum	41	50	50	49	43	45	39	29	28	27	25	31	42	40	50	58	53	47	50	46	54	47	47	46	53	55	50	45	44	44	44	44.3
	Minimum	35	24	37	29	21	26	25	21	23	21	14	11	28	28	15	40	34	25	30	30	28	32	25	28	37	26	15	31	44	29	33	27.1
Middlesboro	Maximum	69	50	48	46	47	51	48	31	31	31	26	31	45	43	58	52	52	51	49	42	49	48	53	58	60	58	60	58	52	51	52	47.4
	Minimum	36	18	29	29	17	21	25	17	24	21	12	11	18	16	13	34	35	21	32	29	27	34	23	23	46	39	18	35	40	38	35	25.6
Mount Sterling	Maximum	47	51	48	49	46	47	32	28	28	25	25	34	43	40	54	52	39	46	45	34	52	41	54	49	50	58	54	55	50	46	47	48.5
	Minimum	30	25	34	27	21	22	17	18	21	19	14	13	22	20	17	37	32	26	36	28	26	27	26	22	41	21	16	32	40	30	30	25.8
Pippapass	Maximum	51	57	58	53	52	54	45	30	28	28	26	38	44	48	62	56	52	59	51	45	57	49	61	...	...	61	58	58	54	48	...	[a]49.2
	Minimum	31	28	30	31	22	25	28	19	24	23	15	7	27	24	16	40	37	23	34	31	24	31	22	...	...	28	15	18	35	41	...	[a]26.4
Quicksand	Maximum	64	57	52	58	51	54	53	34	32	32	31	34	41	46	59	55	59	54	56	47	58	51	60	58	60	59	59	56	55	51	48	50.8
	Minimum	35	30	27	31	20	24	26	17	28	22	18	12	21	25	18	28	28	24	23	30	20	27	20	25	40	28	17	29	39	36	34	26.3
Richmond	Maximum	54	40	58	50	43	47	49	50	29	28	25	24	32	42	48	55	52	38	55	45	44	50	45	57	58	55	47	60	50	50	47	46.0
	Minimum	34	30	37	28	26	30	27	21	22	20	14	12	25	26	22	33	37	20	27	28	24	33	30	27	35	18	12	46	35	32	29	29.6
Williamsburg	Maximum	51	55	55	51	52	54	38	37	30	30	26	35	39	48	50	56	50	57	57	58	56	56	54	57	58	52	50	50	54	52	50	49.3
	Minimum	30	24	30	29	22	26	21	18	25	21	15	10	21	19	19	23	37	28	20	21	30	32	28	29	48	37	21	41	41	39	41	27.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

[a] etc., indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 11-6-34 11m

1.05
IKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

THE LIBRARY OF THE
MAR 1 1933
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XXXIX LOUISVILLE, KY., ANNUAL, 1934 No. 13

GENERAL SUMMARY.

The dryness of January, February, April and May resulted in a serious deficiency of subsoil moisture at the beginning of the growing season. The total precipitation for these months averaged about one-half the normal amount, but some northwestern counties received little more than one-fourth of the seasonal moisture. Good rains in March temporarily relieved the winter shortage in most of the State. In many northern sections, however, these rains are much less than normal and insufficient to break the winter drought. The low water content of the subsoil thus became an important factor in reducing the growth of pastures and grains, and in bringing about more complete dependence of crops on the surface moisture obtained from summer showers. Also, on account of this condition more current rainfall than usual was needed to make the crops. Heavy rains in June largely relieved the situation, but left districts of considerable size in the central and eastern sections without sufficient moisture. Likewise the good rains of July were not general but left about one-third of the State too dry, with crops suffering. The intense heat late in this month caused heavy damage to tasseling corn and enlarged the areas in which pastures and crops are deteriorating. The rains of August reached most dry districts and brought general relief to a critical situation. Pastures revived in all sections, and where the July rains had been heavy they were completely restored. Generous rainfall in September matured the crops and maintained pastures.

The dry May weather limited tobacco setting to machine work, and it was not until the second week in June that the rainfall made possible transplanting in the hilly districts. Favorable weather in October permitted this late tobacco to mature. The showery, cool September interfered seriously with cutting and curing tobacco, and caused molding of corn in shock. Although the month was very dry, soil moisture in October remained sufficient to bring up fall grains. Light showers from time to time maintained slow growth, which continued through November because of favorable temperatures, and finally brought the undersized plants to fair condition for entering the winter. The dry October and November weather favored corn gathering, but prevented much progress in preparing tobacco for market.

The Weather By Months.

JANUARY.---Unseasonable warmth, followed by severe cold late in the month, caused extensive damage to fruit. The dry weather and mild temperature favored plowing and other outdoor work. Light showers furnished enough moisture to permit handling of tobacco.

FEBRUARY.---The dry, cold, and inclement weather seriously hindered tobacco marketing. Plowing advanced to completion on many farms, with fallow land working equally as well as sod. Water for livestock had to be hauled in some northern and eastern counties.

MARCH.---Rain, sleet or snow at frequent intervals, with low temperature, prevented most progress outdoors. Grains and pastures made a very slow start. Excessive rains caused high water floods in the southeastern counties.

APRIL.---Abnormal warmth early in the month started vegetation, but cool weather later retarded growth and discouraged corn planting. Generous sunshine, strong winds and low humidity rapidly extracted the soil moisture. Tobacco plants and gardens were delayed.

MAY.---Soil moisture diminished rapidly under the influence of high temperature, but corn planted in well prepared land came up to a good stand. Grains, pasture and forage crops on thin soils and uplands began to suffer. Tobacco plants were grown largely by artificial watering. Hauling of water increased in the central and eastern counties.

JUNE.---Near drought conditions were broken by rain on the 10th after which crops made good progress. Wheat and barley headed short and failed to fill completely. High temperature and rapid evaporation prevented the maximum benefit from the early generous but irregular rainfall.

JULY.---With some areas too wet from repeated showers and others much too dry, there was extraordinary unevenness in crop development. Drought became severe in a few extreme northern counties. Tomatoes failed to set because of the excessive heat.

AUGUST.---The rains came in time to complete the growth of corn in most districts and save corn. Forage crops made a heavy growth, which was cured with difficulty during the showery weather. Late potatoes planted during the hot weather failed to germinate.

SEPTEMBER.---In western districts heavy rains interfered with all farm work. Only one short period was favorable for curing late hay. The growth and ripening of late corn and tobacco were retarded by cool weather.

OCTOBER.---Considerable late hay was cut and cured during the fine weather. Hill and upland pastures deteriorated rapidly for want of rain. Dry soil late in the month affected wheat sowing.

NOVEMBER.---Water supplies for livestock failed in many central and eastern sections. The failure of dependable well and spring supplies is unprecedented for so much water.

DECEMBER.---Low temperatures early in the month retained grains in dormancy. The lack of ground water continued in central and eastern sections. Dry weather delayed the handling of tobacco.

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest Annual	Least Annual	Snowfall.	Number of days. 01 inch or more.	Clear.	Pt. Cldy.	Cloudy.
1889	55.6	−1.2	101	3	35.97	− 9.44	44.68	33.86	...	...	...	...	...
1890	57.1	+0.3	101	4	50.32	+13.41	67.32	37.88	...	...	...	...	...
1891	56.3	−0.5	103	2	49.09	+ 4.28	56.56	39.91	...	...	...	...	...
1892	55.3	−1.5	101	− 6	44.25	− 1.54	59.51	32.42	...	...	...	...	...
1893	55.5	−1.3	101	−02	44.71	- 1.08	56.32	35.15	...	...	...	...	...
1894	57.1	+0.8	105	−22	44.81	−10.98	...	...	...	...	...	...	...
1895	55.6	−1.8	104	−18	38.47	− 7.33	...	...	...	...	106	105	154
1896	56.6	−0.8	106	−22	44.08	- 1.71	64.40	30.24	...	94	121	114	130
1897	57.2	+0.4	107	−16	46.72	+ 1.23	60.47	28.98	8.1	111	108	95	162
1898	56.2	+0.1	103	−12	50.48	+ 6.57	67.43	45	2.1	101	110	102	152
1899	56.4	−0.4	105	−20	46.58	− 0.97	58.44	36.72	6.1	102	110	102	153
1900	55.5	−0.9	104	−9	44.40	- 1.90	54.35	37.57	5.8	106	107	104	154
1901	55.3	−1.1	102	−22	39.05	− 9.56	58....	17....	1.7	88	96	85	184
1902	56.5	−0.3	107	−7	44.35	- 1.90	58.0	29.74	11.6	102	102	84	179
1903	55.8	−1.0	104	−16	41.16	− 4.27	63.44	24....	5.1	102	102	84	179
1904	55.3	−1.5	100	− 9	35.10	−10.19	42.84	29.50	9.7	104	102	87	166
1905	55.8	−1.0	106	−16	47.08	+ 2.27	60.12	35.44	8.1	114	105	78	169
1906	57.0	+0.2	110	−12	48.84	+ 3.43	62.75	38.39	14.5	118	152	78	135
1907	56.1	−0.7	102	−11	42.76	− 2.65	60.14	28.76	14.8	116	105	73	187
1908	57.7	+0.9	104	− 2	41.94	− 3.47	58.69	27.99	9	104	168	82	115
1909	56.5	−0.3	104	−14	50.41	+ 5.00	76.34	32....	6....	106	158	85	122
1910	56.3	−0.5	100	−20	50.67	+ 5.26	76....	36....	9....	112	123	74	156
1911	58.0	+1.2	105	−16	46.77	+ 1.36	9.45	32.46	6.6	117	155	67	143
1912	54.6	−2.2	103	−20	45.93	+ 0.52	57.14	38....	9....	108	103	78	184
1913	57.9	+1.2	109	− 2	47.49	+ 2.08	65.62	30.60	5.5	104	103	78	184
1914	56.3	−0.5	100	−16	41.86	− 3.63	57.46	30....	7....	104	103	78	184
1915	56.2	−0.6	102	0	51.92	+ 6.51	66....	36....	11.4	111	100	77	177
1916	56.2	−0.6	105	−14	45.49	− 0.08	59.38	36.14	9.5	106	124	77	164
1917	53.5	−3.3	106	−21	46.05	+ 0.48	64.74	35.68	10.4	106	124	77	164
1918	56.5	−0.3	111	−20	40.64	− 4.93	54....	27....	12....	104	124	77	164
1919	57.9	+1.1	104	− 1	52.13	+ 6.72	66.42	40.76	7.7	110	103	83	179
1920	55.5	−1.3	106	− 6	46.50	- 1.91	64....	36....	5....	114	114	83	174
1921	60.1	+3.3	108	11	49.42	+ 3.01	70....	43....	4....	118	114	83	174
1922	58.5	+1.7	102	1	44.47	- 1.94	61....	29....	9....	111	170	77	118
1923	57.1	+0.3	99	− 4	53.52	+ 5.50	74....	41....	2....	111	170	77	118
1924	55.0	−1.8	102	− 5	45.68	- 2.76	58....	35....	3....	104	170	77	118
1925	55.6	−1.2	100	− 9	44.31	- 4.13	58....	31.17	16.1	104	108	77	112
1926	56.1	−0.7	107	11	50.63	+ 2.19	69....	34.17	13.1	109	108	77	112
1927	57.6	+1.0	103	3	49.25	+ 0.81	68....	34....	8....	109	108	77	112
1928	57.0	+0.4	102	− 8	47.03	- 1.41	64....	34....	13....	107	157	89	119
1929	57.2	−0.6	101	12	45.47	+ 3.05	64....	32....	5....	105	157	89	119
1930	57.6	+0.8	104	− 9	47.86	- 0.66	64....	34....	5....	106	158	77	130
1931	56.0	−0.8	104	− 8	41.95	- 6.57	57....	28....	4....	103	158	77	130
1932	55.7	−1.1	103	− 9	44.22	- 4.30	58....	31....	7....	104	158	77	130
1933	56.4	−0.4	104	− 9	46.52	- 2.00	64....	32....	5....	106	171	80	104
1934	57.6	+0.8	108	9	47.14	- 1.38	64.41	31....	5....	106	171	80	104

Compared with 30 year normal.

Climatological Data for the Year 1934.

Station	County	Elevation, feet	Temperature (degrees Fahrenheit): Length of record, years	Annual mean	Highest	Date	Lowest	Date	Precipitation (inches): Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall, unmelted	Number of days: With precip. of .01 in. or more	Clear	Pt. Cloudy	Cloudy	Prevailing direction of wind
WESTERN DIVISION																				
Beaver Dam	Ohio	441	31				−8	Feb. 27	32											
Calhoun	McLean	487	31	59.2	105	July 24	−9	Feb. 27	32	42.30	6.40	June	1.25	Jan.	13.0	104	128	153	84	sw.
Darlington	Hopkins	420	45	58.4	107	July 24	−5	Feb. 27	45	41.48	5.43	July	0.33	Oct.	8.0	99	206	61	98	sw.
Fairview	Trigg	582							6	36.21	8.57	Sept.	0.33	Oct.	13.8	100				
Good's Ferry	Ballard	310																		
Greenville	McLean	519	18	57.8	103	July 25	1	Jan. 30	18	38.41	6.41	June	0.85	Oct.	4.5	91	194	134	37	s.
Henderson	Henderson	352	3	58.7	106	July 23	−7	Feb. 27	3	40.73	8.37	Sept.	0.79	Oct.		79	146	123	96	w.
Hopkinsville	Christian	534	38	58.7	100	July 24	1	Feb. 27	39	42.42	8.15	June	0.74	Oct.	3.5	107	153	47	165	sw.
Lovelaceville	Ballard	350	6	58.8	107	July 23	−3	Feb. 27	6	47.18	8.09	Sept.	0.92	May	7.0	77	217	73	75	s.
Marion	Crittenden	571	37		106	July 24	−5	Feb. 27	38		6.24	Sept.	0.69	Feb.						s.
Mayfield	Graves	564	26	59.5	108	July 24	3	Feb. 27	26	50.66	9.58	Sept.	1.10	Jan.		72	198	105	62	s.
Murray	Calloway	432	9	58.7	108	July 24	0	Feb. 27	9	49.80	9.83	Sept.	1.16	Apr.	2.5	87	160	116	89	s.
Owensboro	Daviess	479	38	56.4	100	July 24†	1	Jan. 30†	38	40.20	8.40	June	1.67	May	7.6	90	240	76	95	s.
Owensboro Dam 46	Daviess	479							38	40.20	8.40	June	1.67	May	8.6	103				
Pastrick	Daviess	341							7	36.39	7.06	June	0.91	May	8.6	105				
Pedigo (Hall)	McCracken	316							18	51.28	9.25	Sept.	0.52	Oct.	2.5	105	160	100	105	
Princeton	Caldwell	529	28	59.1	106	July 23†	−2	Feb. 27	46		10.19	Sept.	0.72	Jan.						
Rumsey, Lock 2	McLean	384							18	38.01	6.29	June	1.05	Oct.	13.5	94				n.
Russellville	Logan	560	23	57.4	103	July 25†	2	Jan. 30	23	37.56	7.05	June	0.56	Oct.		96	184	79	102	s.
Uniontown Dam 49	Union	314							7	37.80	7.17	July	0.82	Feb.		88				
CENTRAL DIVISION.																				
Addison Dam 45	Breckinridge	352							7	31.89	4.57	June	1.22	Feb.		124				
Annandale	Jefferson	700	34	55.3	104	July 23	−15	Feb. 27	34	28.16	7.81	Aug.	0.81	Oct.	11.2	61	216	77	72	sw.
Bardstown	Nelson	655	38				−10	Feb. 27	38				0.88	Oct.	9.5					
Bowling Green	Warren	500	46	59.3	105	July 24†	3	Feb. 27	47	55.61	7.21	Aug.	0.58	Oct.	4.0	89	167	112	86	w.
Bowling Green No. 2	Warren	469							10	34.57	6.55	Aug.	0.42	Oct.	5.0	102				
Brownsville, Lock 6	Edmonson	410							18	47.51	7.35	June	1.96	May		111				
Burnside	Pulaski	773							14	47.08	8.76	Mch.	1.61	Oct.	11.2	114				
Carrollton, Lock 1	Carroll	422							26	23.78	4.75	June	0.39	Feb.		66				
Coal Spring	Campbell	489							8	22.28	4.59	Sept.	0.33	Oct.	13.5	93				
Danville	Boyle	955	2	56.5	101	July 25	−6	Feb. 27	2	37.98	5.38	July	0.69	May		114	139	117	109	sw.
Dry Dock, Burgin	Mercer	780	11	58.6	104	July 25	−5	Feb. 27	11	37.87	8.62	July	0.55	May	14.3	91	166	112	87	s.
Eubank	Pulaski	1,177	41	55.3	104	July 25	−16	Feb. 27	41	39.34	6.00	June	0.66	May	15.2	64	133	99	133	s.
Frankfort	Franklin	504	45	56.7	107	July 25	−9	Feb. 27	44	39.32	5.47	Sept.	0.42	Oct.	9.4	95	167	94	104	w.
Franklin	Simpson	681	38	60.1	107	July 25	0	Feb. 27	38	38.57	5.52	Mch.	0.82	Oct.	7.5	113	166	128	71	s.
Glenview	Henry	449							20	28.12	5.83	Sept.	0.23	Oct.	10.8	89				
Gest, Lock 3	Barren	780	9		104	July 25†	−2	Feb. 27	9	42.72	5.84	Sept.	0.96	Oct.	4.7	97	230	79	56	n.
Glasgow	Barren	780							10	40.62	8.91	June	0.02	Oct.		81				
Grant, Dam 38	Boone	506							46	43.70	6.49	Aug.	0.76	Oct.	10.5	125	62	35	268	n.
Greensburg	Green	581	42	56.9	107	July 23	−7	Feb. 27	33	34.91	6.52	July	0.78	May		112				
High Bridge, Lock 7	Jessamine	550							37	26.94	4.33	Sept.	1.12	Oct.	6.0	84	182	62	121	sw.
Irvington	Breckinridge	646	37	58.0	103	July 24	−6	Feb. 27	9		5.53	July	0.52	May						
Lancaster	Garrard	1,032							30	38.16	6.93	June	1.35	Feb.	9.0	103	167	129	69	sw.
Leitchfield	Grayson	645	39	58.0	103	July 24	−8	Feb. 27	52	38.28	7.84	July	1.42	May	15.5	134	164	97	105	ne.
Lexington	Fayette	965	51	55.6	101	July 25	−3	Feb. 27	24	34.86	6.17	July	0.69	Oct.	11.0	62				
Little Benson, Lock 5	Jessamine	523							25	33.12	5.60	June	0.68	Oct.	18.9	86				
Lockport, Lock 2	Henry	476							62	28.12	4.91	Aug.	0.44	Feb.	10.4	131	128	128	109	s.
Lotsyville	Jefferson	525	62	57.6	105	July 23	0	Feb. 9	39	35.04	5.04	June	0.80	Oct.	7.6	86	230	33	102	
Salvisa	Mercer	777	39		104	July 24†	−13	Feb. 27	23	32.96	6.65	July	0.48	Oct.	5.9	73				
Salvisa, Lock 6	Mercer	490							33				0.60	Oct.						
Shelbyville	Shelby	825	46	57.1	106	July 23	−10	Feb. 27	17	35.86	5.58	Sept.	0.56	Oct.		73				
Taylorsville	Spencer	489			103	July 23			32	27.89	4.16	Sept.	0.36	Oct.	7.5	95	222	62	71	w.
Tyrone, Lock 5	Anderson	526							18	41.76	6.63	June	0.91	Oct.	7.8	108				
Williamstown	Grant	943	32	57.7	110	July 22†	−9	Feb. 27												
Woodbury, Lock 4	Butler	533																		
EASTERN DIVISION.																				
Annville	Jackson								4	42.76	6.55	Mch.	0.37	Oct.	22.8	126	121	114	120	sw.
Ashland	Boyd	534	19	56.7	104	July 21	−4	Feb. 6	15	39.99	4.93	Aug.	0.44	Oct.	24.2	106	154	66	145	w.
Berea	Madison	650	33	57.4	101	July 25	−8	Feb. 27	33	34.75	5.41	Sept.	0.34	Oct.	13.2	121	161	96	108	sw.
College Hill, Lock 11	Madison	691							25	33.10	5.83	July	0.59	Oct.	14.0	121				
Cynthiana	Harrison	684							17	29.85	4.72	June	0.23	Oct.	12.5	80				
Falmouth	Pendleton	690							46	28.21	4.45	June	0.26	Oct.	10.1	106				
Flemingsburg	Rowan	668	28	55.0	98	July 19†	−19	Feb. 27	29	39.41	8.80	Aug.	0.31	Oct.		87	139	118	108	e.
Fleming-Neon	Fleming	870							10	37.88	6.71	Aug.	0.38	Oct.		84				
Ford, Lock 10	Clark	693							14	35.19	7.24	July	0.49	Oct.	10.3	118				
Greenup, Dam 30	Greenup	540							15	26.87	4.04	July	0.52	Oct.	15.7	114				
Harlan	Harlan	1,197	8		55	July 21			7	55.06	11.23	Mch.	2.13	Oct.						
Hazard	Perry	869							11	46.74	8.23	Aug.	0.94	Oct.	5.2	144				
Heidelberg, Lock 11	Lee	664		57.4	101	June 20†	−9	Feb. 27	14	38.30	6.67	July	0.20	Oct.	14.0	124	114	84	167	w.
Jenkins	Letcher	1,566							10	46.87	6.01	July	0.63	May		124				
Louisa	Lawrence	584							51		6.13	Aug.	0.35	Oct.						
Manchester	Clay	860							16	46.15	8.07	Mch.	0.65	Oct.	10.7	92				
Maysville	Mason	524	39	56.9	106	July 21	−10	Feb. 27	38	33.15	6.70	Aug.	0.32	Oct.		103	135	104	129	se.
Middlesboro	Bell	1,128	39	56.9	107	July 16	−1	Feb. 27	38	44.00	8.69	Mch.	0.89	May	8.0	105	160	185	20	
Mount Sterling	Montgomery	930	46		104	July 25	−15	Feb. 27	45		7.06	Aug.	0.80	Oct.						
Oneonta, Dam 35	Campbell	513							13	19.41	4.01	Sept.	0.29	Oct.	13.7	96				
Pansy Hill	Johnson	567							2	42.46	8.06	Aug.	0.42	Oct.	10.6	113				
Pigeonville	Pike	626							29	41.81	10.81	Aug.	1.30	Oct.	15.0	103				
Pippapass	Knott	1,035	4	57.8	102	June 29†	−6	Feb. 27	3	36.46	7.08	Aug.	1.09	Dec.	9.9	139	204	32	129	
Quicksand	Breathitt	732	10	56.9	102	July 25	−8	Feb. 27	9	42.47	7.51	Aug.	0.95	Oct.	16.4	84				
Ravenna, Lock 12	Estill	631							17	38.52	5.58	June	0.49	Oct.		126				
Richmond	Madison	926	45	57.7	93	July 25†	−1	Jan. 30	44	37.27	6.01	June	0.65	Feb.	9.3	102	170	34	161	
Valley View, Lock 9	Madison	511							21		5.10	Mch.	0.64	Oct.	25.0					
Vanceburg, Dam 32	Lewis	525							20	31.41	5.80	Aug.	0.67	Feb.		101				
Whitesburg	Letcher	1,113							10		5.60	Aug.	0.76	June						
Williamsburg	Whitley	960	39		107	July 25	0	Feb. 27	40	41.87	8.88	Mch.	1.57	Oct.		90	166	141	58	
Willow, Lock 13	Lee	611							14	40.97	6.63	Mch.	1.31	May	20.0	115				

All temperature data are taken from self registering thermometers.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

†Also on other dates.

Monthly and Annual Precipitation for the Year 1936, with Departures from the Normal.

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Total	Departure from normal	Total	Departure from normal	Total	Departure from normal	Total	Departure from normal	Total	Departure from normal	Total	Departure from normal	Total	Departure from normal	Total	Departure from normal	Total	Departure from normal	Total	Departure from normal	Total	Departure from normal	Total	Departure from normal	Total	Departure from normal
WESTERN DIVISION.																										
Cave I Dam	1.58	-2.73	1.66	-1.28																						
Calhoun	1.42		2.52		4.61																					
Scottsville	1.44	-3.48	2.47	-0.61	4.56	-2.28																				
Lewis Ferry	1.48		2.45		4.96		1.41		3.81		4.64		5.81		4.12		2.41		3.87		2.40		3.07		40.63	
Brownsville	1.48		2.45		4.12																					
Edmonton	1.56	-1.18	2.60	-0.69	4.87	-0.43	1.61		4.57		4.64		5.84		4.24		2.68		3.95		2.45		3.16		42.00	
Hendersonville	1.34	-3.46	1.98	-1.21	4.62	-1.92	1.26		4.03		4.03		5.36	0.24	3.46	0.56	2.56		3.41		2.45		2.93		36.63

Monthly and Annual Mean Temperatures for the Year 1934, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
WESTERN DIVISION.																										
Beaver Dam	42.0	+ 6.7	34.0	— 3.2	.....	.....	58.8	+ 0.4	69.4	+ 2.3	78.2	+ 2.8	82.4	+ 4.4	78.0	+ 0.6	°69.6	— 2.6	62.4	+ 2.5	52.8	+ 4.6	37.8	— 0.9	59.2	+ 1.0
Calhoun	41.7	+ 5.0	33.9	— 3.8	°45.2	— 4.0	58.8	+ 1.3	69.5	+ 2.6	79.8	+ 4.2	83.4	+ 4.9	79.1	+ 2.6	69.7	— 1.7	61.6	+ 2.0	52.4	+ 5.6	38.0	— 0.6	59.1	+ 1.6
Earlington	41.4	+ 5.8	33.8	— 3.5	45.6	— 2.1	58.6	+ 1.3	69.5	+ 2.6	79.8	+ 4.2	83.4	+ 4.9	79.1	+ 2.6	69.7	— 1.7	61.6	+ 2.0	°51.2	+ 3.4	36.6	— 2.1	57.8	+ 0.2
Greenville	40.6	+ 5.0	33.0	— 6.3	45.0	— 3.2	56.8	— 0.6	°67.2	+ 2.5	76.9	+ 2.0	80.8	+ 3.7	76.7	0.0	°68.2	— 2.8	60.2	+ 0.9	51.6	.....	36.7	.....	58.7	.....
Henderson	39.7	.....	32.0	.....	44.3	.....	58.5	.....	69.6	.....	79.7	.....	82.5	.....	78.0	— 0.1	69.3	.....	62.4	.....	51.6	.....	36.7	— 1.3	58.7	+ 0.3
Hopkinsville	41.0	+ 3.5	34.6	— 3.8	45.4	— 3.9	58.2	+ 0.9	69.0	+ 1.8	78.0	+ 2.6	82.2	+ 3.4	78.8	+ 0.7	68.2	— 3.9	61.4	+ 0.8	50.6	+ 2.1	37.2	— 1.3	58.7	+ 0.3
Lexington	40.4	.....	35.2	.....	45.2	.....	56.8	.....	69.0	.....	79.2	.....	82.6	.....	78.8	.....	68.4	.....	62.0	.....	51.6	.....	36.8	.....	58.8	.....
Madison	39.3	+ 3.5	33.3	— 3.7	.....	.....	.....	.....	71.0	+ 4.3	80.4	+ 5.4	83.6	+ 5.7	78.7	+ 0.7	70.4	— 2.0	64.1	+ 4.0	53.4	+ 5.1	39.4	— 1.9	.....	.....
Mayfield	*41.2	— 4.6	34.6	— 5.5	°43.9	— 3.0	58.8	+ 0.9	68.7	+ 2.5	79.8	+ 5.1	84.0	+ 6.1	79.4	+ 2.0	69.7	— 2.3	63.6	+ 3.4	53.2	+ 4.4	38.2	— 1.8	59.5	+ 1.0
Murray	40.4	.....	34.8	.....	45.2	.....	57.8	.....	68.6	.....	78.2	.....	82.6	.....	78.9	.....	68.8	.....	61.4	.....	51.2	.....	36.8	.....	58.7	.....
Owensboro	37.8	+ 2.9	30.7	— 5.4	41.4	— 5.7	55.6	+ 0.1	67.3	+ 1.7	77.1	+ 2.8	80.2	+ 2.5	76.0	— 0.3	67.2	— 3.3	59.4	+ 0.5	49.8	+ 2.7	34.7	— 2.3	56.4	— 0.4
Princeton	40.4	+ 4.8	34.0	— 2.4	45.0	— 3.5	58.4	+ 0.3	70.4	+ 3.7	79.4	+ 4.5	83.6	+ 5.7	79.2	+ 1.9	68.6	— 2.9	61.8	+ 2.7	51.5	+ 4.6	37.2	— 1.2	59.1	+ 2.8
Russellville	°39.6	+ 4.1	31.9	— 6.5	42.4	— 6.4	°57.2	— 0.8	67.2	+ 1.3	78.0	+ 3.1	81.4	+ 3.7	77.6	— 0.1	68.8	— 3.1	60.2	+ 0.8	49.4	+ 2.2	35.6	— 2.8	57.4	+ 1.2
CENTRAL DIVISION.																										
Anchorage	38 3	+ 5.5	28.8	— 4.2	°41.4	— 3.6	°54.4	+ 0.5	65.2	+ 1.5	75.2	+ 3.2	79.4	+ 3.3	73.8	— 0.9	°66.3	— 2.7	57.0	+ 0.1	49.4	+ 5.0	35.0	+ 0.5	55.3	+ 0.6
Bardstown	40.0	+ 4.7	31.2	— 4.5	43.6	— 3.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70.2	— 1.3	59.2	+ 0.1	51.0	+ 4.3	36.7	— 0.1	.....	.....
Bowling Green	42.2	+ 5.2	33.2	— 3.4	45.0	— 1.5	58.9	+ 0.6	68.7	+ 1.3	78.4	+ 2.6	82.5	+ 3.8	77.4	— 0.9	69.7	— 2.5	60.6	+ 0.7	52.2	+ 4.6	39.2	+ 0.7	59.3	+ 0.9
Danville	39.5	.....	30.2	.....	42.6	.....	55.5	.....	66.4	.....	76.8	.....	80.6	.....	74.8	.....	68.8	.....	59.7	.....	51.3	.....	38.8	.....	58.6	.....
Dawson	40.9	.....	33.6	.....	44.9	.....	57.6	.....	68.6	.....	78.1	.....	81.6	.....	77.8	.....	70.6	.....	59.8	.....	52.0	+ 6.9	°36.8	+ 0.4	58.3	+ 0.2
Dix Dam	38.7	+ 3.7	28.5	— 6.3	42.8	— 3.3	53.0	— 1.3	63.6	— 0.4	74.4	+ 3.0	78.2	+ 3.3	74.4	+ 0.6	66.6	— 1.9	54.5	— 2.3	50.2	+ 3.8	37.2	0.0	56.7	+ 0.7
Eubank	40.4	+ 4.4	31.0	— 4.9	43.2	— 3.4	56.0	— 0.2	66.7	+ 1.5	76.6	+ 5.0	82.4	+ 5.5	76.6	+ 1.5	70.0	+ 6.8	°56.6	+ 1.5	50.2	+ 3.8	39.2	— 1.0	60.1	+ 1.3
Frankfort	42.4	+ 3.8	36.0	— 3.0	46.8	— 2.8	60.4	+ 1.2	70.6	+ 3.9	81.0	+ 5.8	84.0	+ 6.2	80.6	+ 3.7	71.4	— 0.9	63.8	+ 3.1	53.6	+ 3.8	39.2	— 1.0	60.1	+ 1.3
Franklin	41.8	.....	34.4	.....	43.6	.....	55.8	.....	.....	.....	74.6	.....	80.1	.....	77.1	.....	.....	.....	.....	.....	50.0	.....	37.6	.....	.....	.....
Glasgow	40.3	+ 5.6	32.8	— 2.1	44.5	— 2.1	57.4	+ 2.2	66.2	+ 1.4	76.3	+ 3.0	80.6	+ 4.0	75.4	+ 0.1	67.6	— 2.0	56.4	— 0.7	49.0	+ 3.8	36.9	+ 0.6	56.9	+ 1.1
Greensburg	40.4	+ 4.8	32.0	— 4.1	44.0	— 3.2	57.6	+ 1.7	67.9	+ 2.0	78.0	+ 4.3	81.4	+ 4.1	77.2	— 1.1	69.0	— 1.3	60.8	+ 2.7	51.6	+ 5.1	36.6	0.0	58.0	+ 1.9
Irvington	40.2	+ 5.2	32.0	— 3.2	41.5	— 2.0	57.3	+ 0.7	68.4	+ 3.1	77.8	+ 4.6	81.0	+ 4.4	76.4	+ 0.8	69.4	— 0.4	60.8	+ 2.7	51.6	+ 5.1	36.6	0.0	58.0	+ 1.9
Leitchfield	37.2	+ 1.8	28.4	— 7.0	40.6	— 3.1	55.4	+ 1.1	66.5	+ 1.2	77.0	+ 4.8	79.4	+ 3.5	74.6	+ 0.1	69.0	+ 0.5	57.6	+ 0.2	46.6	+ 1.8	35.2	— 0.6	55.7	+ 0.6
Lexington	38.4	+ 4.6	29.8	— 7.4	42.4	— 3.0	56.4	0.0	68.6	+ 2.0	79.3	+ 5.4	82.4	+ 3.8	76.8	— 0.2	69.4	— 1.1	60.4	+ 1.1	50.3	+ 3.6	36.2	— 1.4	57.6	+ 0.6
Louisville	.....	.....	32.7	— 1.8	42.6	— 2.9	55.4	+ 0.8	66.6	+ 2.3	76.5	+ 3.8	79.8	+ 3.8	75.7	+ 0.8	68.2	— 1.1	59.2	— 0.5	48.0	+ 2.3	.....	.....	.....	.....
St. John	39.2	+ 4.8	29.4	— 5.1	42.0	— 2.9	55.2	+ 0.5	68.5	+ 3.9	78.1	+ 5.8	81.9	+ 5.4	76.6	+ 1.3	°70.2	+ 0.9	59.2	+ 2.0	49.7	+ 5.2	35.8	+ 0.4	57.1	+ 1.9
Shelbyville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76.0	+ 3.5	80.0	+ 3.9	74.5	— 0.2	°67.4	— 0.6	°55.8	— 0.5	48.2	+ 6.6	°37.9	+ 2.7	.....	.....
Taylorsville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Williamstown	38.8	+ 6.4	28.8	— 4.1	42.2	— 2.6	56.6	+ 3.5	70.2	+ 6.6	79.9	+ 8.7	83.8	+ 8.1	77.6	+ 2.8	71.0	+ 2.4	59.8	+ 4.7	49.8	+ 4.7	35.2	+ 1.7	57.7	+ 3.6
EASTERN DIVISION.																										
Ashland	41.2	+ 6.0	34.6	— 8.2	42.6	— 5.0	57.0	+ 1.2	66.6	+ 2.7	76.9	+ 3.0	80.1	+ 4.0	74.6	— 0.9	70.4	0.0	56.9	— 0.8	49.2	+ 2.3	36.6	— 2.7	56.7	+ 0.1
Berea	40.9	+ 4.5	30.7	— 5.6	43.4	— 3.7	57.3	+ 1.5	67.5	+ 2.3	74.0	— 1.1	80.8	+ 4.8	75.8	+ 1.4	69.8	+ 0.5	59.0	— 0.4	52.0	+ 4.7	37.8	+ 1.2	57.4	+ 1.1
Farmers	40.0	+ 5.2	29.6	— 8.0	41.8	— 3.8	55.0	+ 0.3	64.6	+ 1.8	73.6	+ 2.6	°78.0	+ 3.8	°72.6	— 1.2	67.4	— 0.8	57.8	— 2.8	48.2	— 3.1	°36.8	+ 0.8	55.0	0.0
Harlan	.....	.....	.....	.....	47.2	.....	55.8	.....	65.2	.....	°76.6	.....	78.0	.....	73.8	.....	°69.6	.....	58.4	.....	50.8	.....	40.0	.....	.....	.....
Harlan	.....	.....	.....	.....	44.2	.....	57.0	.....	66.8	.....	77.1	.....	80.4	.....	75.9	.....	70.4	.....	58.2	.....	48.6	.....	37.6	.....	57.4	.....
Heidelberg	41.9	.....	31.4	.....	44.2	.....	57.0	.....	66.8	.....	77.1	.....	80.4	.....	77.6	0.0	69.6	+ 0.1	57.6	+ 0.1	49.2	+ 4.5	35.7	+ 1.1	56.6	+ 1.7
Maysville	39.2	+ 6.8	°38.4	— 6.3	41.6	— 3.6	56.3	+ 2.2	66.6	+ 4.0	79.2	+ 6.1	81.6	+ 4.8	77.6	0.0	69.6	+ 0.1	57.6	+ 0.1	°48.4	+ 2.4	36.8	— 1.9	56.9	+ 0.2
Mid-Hanover	40.6	+ 1.3	°32.0	— 7.8	44.4	— 4.1	°55.4	— 1.2	68.0	+ 3.5	78.2	+ 2.8	80.3	+ 5.5	°75.3	+ 1.1	69.8	+ 0.9	57.0	0.4	48.4	+ 2.4	36.8	— 1.9	.....	.....
Mt. Sterling	36.7	— 3.2	27.0	— 7.2	39.8	— 4.2	.....	.....	.....	.....	77.0	+ 4.6	80.7	+ 4.9	75.2	+ 1.2	69.1	+ 1.1	56.8	+ 0.9	°48.6	— 4.4	°41.6	— 0.8	.....	.....
Paducah	42.8	.....	°32.1	.....	°44.8	.....	57.6	.....	66.4	.....	°75.7	.....	79.5	.....	75.6	.....	70.0	.....	°59.4	.....	49.1	.....	°38.7	.....	57.8	.....
Pineapple	41.6	.....	°29.7	.....	°42.6	.....	55.7	.....	65.2	.....	75.1	.....	79.5	.....	75.0	— 0.5	70.1	0.4	59.9	+ 0.8	51.1	+ 4.1	37.8	— 0.1	56.6	.....
Quicksand	40.6	+ 6.3	31.2	— 5.2	42.6	— 4.0	58.5	+ 2.6	68.7	+ 3.1	77.8	+ 4.3	80.6	+ 2.9	75.0	— 0.5	70.1	0.4	57.8	+ 1.7	51.6	+ 4.3	37.7	— 0.2	57.7	.....
Richmond	°37.5	+ 0.5	29.3	— 9.5	43.8	— 3.3	.....	.....	.....	.....	79.9	+ 6.1	83.0	+ 6.3	78.6	+ 2.6	70.0	— 0.5	61.4	+ 1.7	51.6	+ 4.3	38.2	— 0.9	.....	.....
Williamsburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

All temperature data are taken from self-registering thermometers.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1934.

STATIONS	Last in Spring.	First in Autumn.
WESTERN DIVISION		
Calhoun	April 28	Oct. 28
Earlington	do 28	do 28
Greenville	do 28	do 28
Hopkinsville	Mch. 29	do 28
Lexington	April 25	do 28
Mayfield	Mch. 29	do 28
Owensboro	do 21	do 28
Princeton	do 28	do 28
Russellville	Mch. 29	do 28
CENTRAL DIVISION		
Anchorage	April 28	Oct. 28
Bowling Green	Mch. 29	do 28
Dix Dam	April 28	do 28
Eubank	do 28	do 28
Frankfort	do 28	do 28
Franklin	Mch. 24	do 28
Greensburg	April 28	do 28
Irvington	April 28	Oct. 28
Leitchfield	do 28	do 28
Lexington	do 28	do 28
Louisville	do 28	do 28
St. John	do 28	do 29
Shelbyville	do 28	do 28
Taylorsville	do 28	do 28
Williamstown	do 28	do 28
EASTERN DIVISION		
Ashland	April 28	Oct. 28
Berea	do 28	do 28
Farmers	do 28	do 28
Harlan	do 28	do 28
Maysville	do 28	do 28
Mid-Hanover	do 28	do 28
Mount Sterling	do 28	do 28
Quicksand	do 28	do 28
Williamsburg	do 28	do 28

MONTHLY SUMMARIES, 1934.

MONTH.	Temperature.				Precipitation		Average number of days.			
	State average.	Departure.	Highest.	Lowest.	State average.	Departure.	With .01 or more rain.	Clear.	Partly cloudy.	Cloudy.	Average Snowfall.
January	40.4	+ 4.6	72	— 3	1.85	— 2.49	8	11	6	14	0.2
February	31.8	— 5.1	72	— 19	2.29	— 1.24	7	12	7	9	8.0
March	43.6	— 2.5	86	5	4.83	+ 0.20	13	12	7	12	2.1
April	56.9	+ 0.8	90	24	2.16	— 1.79	8	13	10	7	T.
May	67.7	+ 2.4	99	36	1.67	— 2.29	5	20	6	5	0.0
June	77.4	+ 3.5	105	50	4.58	+ 0.46	9	14	7	9	0.0
July	81.2	+ 4.1	110	57	4.36	+ 0.22	10	15	10	6	0.0
August	76.6	+ 1.0	102	46	4.76	+ 1.04	10	15	11	5	0.0
September	69.2	— 1.3	95	29	1.82	+ 1.85	10	13	9	8	0.0
October	55.5	+ 1.3	88	22	0.88	— 1.84	4	21	5	5	0.0
November	50.6	+ 4.6	84	14	2.85	— 0.61	7	15	6	9	T.
December	37.0	0.9	69	5	2.18	— 1.86	9	10	6	15	1.8
Annual means and extremes	57.6	+ 0.8	110	— 19	37.14	— 8.27	100	171	90	104	11.8

*Compared with 45 years' normal.

NOTE.—Tables and charts giving climatic data for Kentucky in detail during 1933 have been published for each month at the Kentucky section center, Weather Bureau Office, Louisville, Ky., and can be obtained from the Official in Charge at that office. For indexes to special articles published during past years see Kentucky climatological reports which can be found in the Monthly Report for June, 1933.

W. R. O. Louisville, 2 14 34 1250.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XL. LOUISVILLE, KY., JANUARY, 1935 No. 1

GENERAL SUMMARY.

The mild weather that prevailed during the first three weeks started grass and winter grains into slow growth, and caused anxiety on the part of orchardists in regard to the condition of fruit buds. Spring-like temperatures occurred continuously in periods of considerable length. Swollen buds appeared on various early blooming trees and shrubs. This warm spell was followed by a week of rather severe weather, in which minimum temperatures fell to zero at many stations and were near zero generally over the State.

Except for moderate to heavy rains in the southeastern counties, the weather continued dry through the first half of the month. Tobacco stripping and marketing were much delayed by this dry weather. Surface moisture remained sufficient for the needs of grains, but the plow often turned up dry soil. Heavy rains generally over the State in the third week finally soaked the ground for a considerable depth and replenished water supplies in the central and eastern upland and hilly sections. Until these rains the hauling of water had continued in many localities in those districts. This period of rain ended with light to moderate snow, which preceded the cold wave and gave winter grains some protection from the severe freeze. Because of the dry subsoil the moisture passed rapidly downward, leaving the surface layers without much surplus water; hence the freezes had no marked injurious effect on grains. In most of the State the badly needed moisture was generally absorbed, but in some southern and eastern localities there was sufficient run-off to raise streams. This was the first period of any length during the winter when all types of tobacco were brought into satisfactory condition for stripping. Except for a few cold days in the third week, the weather was unusually favorable for live-stock, poultry, and milk production.

TEMPERATURE.

In the periods 6-10th and 16th-21st daily departures ranged from 10° to 25° above normal, and maxima of 60° to 76° were registered at all stations. After the 21st temperatures continued low, with the coldest weather in the period 22d-24th, when minima ranged from zero to 5° in nearly all sections. The extremes were 71° at Quicksand and Williamsburg on the 7th, and −2° at Berea and Greensburg on the 24th.

PRECIPITATION.

Precipitation averaged considerably above normal, but there were great variations in the amounts that fell in the northern and southern counties. In the section from the Purchase eastward nearly to the Big Sandy, it ranged from 4.0 to 7.0 inches in most districts, while several southern counties received as much as 8.0 inches. Northward amounts declined rapidly to about 3.5 inches in a narrow strip along the Ohio, in a part of this section near the mouth of the Kentucky River less than 3.0 inches occurred. Except in the counties adjacent to the river, amounts were generally equal to or above the average for the month. Light to moderate rains occurred on the 1st and in the period 7-10th. The precipitation was moderate to heavy from the 15th to 17th and moderate to excessive from the 19th to 22d. A considerable part of it on the 21st and 22d fell as snow, which ranged from 1.0 to 4.0 inches in most localities and from 5.0 to 8.0 inches in some south-central and eastern counties. For the State precipitation varied between 2.79 inches at Carrollton and 9.92 inches at Bowling Green.

MISCELLANEOUS.

Rivers:—Run-off from the heavy rains of the 19th-21st caused a sharp rise in all streams of the State. This augmented a rise that began in the upper Ohio on the 18th, and caused crest stages 10 to 15 feet below flood heights in the upper and middle sections of the stream on the 26th and 27th. Flood stages were reached in the Evansville district on the 26th, and the river continued near or slightly above flood until the 29th.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure reduced to sea-level: Mean.	Highest	Date.	Lowest.	Date.	Wind.: Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity: 7 a. m.	2 p. m.	7 p. m.	Percentage of possible sunshine.
Cairo ..... Ill.	30.27	30.71	24	29.59	10	10.0	25	n.	23	77	67	69	58
Cincinnati ..... Ohio	30.22	30.71	30	29.40	17	8.8	33	w.	17	84	76	78	41
Evansville ..... Ind.	30.21	30.74	24	29.59	16	9.6	31	w.	17	82	70	70	52
Louisville ..... Ky.	30.28	30.73	24	29.61	17	11.1	37	w.	21	77	62	73	41

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature: Mean.	Departure.	Highest	Lowest	Precipitation: Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days: Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	38.0	+ 2.1	65	13	3.92	−0.84	5.80	2.32	....	..	..	..	..
1890	42.6	+ 8.1	67	19	6.47	+2.07	8.49	3.15	....	..	..	..	..
1891	37.0	+ 1.1	68	14	5.48	+1.64	7.88	2.82	....	..	..	..	..
1892	29.0	− 6.9	66	− 6	2.72	−1.64	6.40	0.42	....	..	..	..	..
1893	26.0	− 9.9	57	−22	2.05	−2.28	6.57	0.11	....	..	..	..	..
1894	38.0	+ 2.1	74	−12	2.93	−1.57	4.60	1.66	....	..	..	..	..
1895	30.0	− 5.9	58	−16	5.71	+1.56	8.80	2.80	....	11	8	8	35
1896	36.1	+ 0.2	74	− 3	1.25	−3.11	2.94	0.36	....	6	9	6	16
1897	32.0	− 3.9	75	−16	3.28	−1.11	5.16	2.10	4.2	8	11	8	12
1898	40.4	+ 4.6	72	6	8.76	+4.46	11.99	5.86	1.4	12	8	8	15
1899	31.4	− 1.7	68	−18	6.29	+1.87	8.22	3.35	8.5	11	9	8	14
1900	37.2	+ 1.3	75	− 8	2.81	−1.48	4.94	1.04	0.8	8	12	8	11
1901	36.7	+ 0.8	75	4	1.85	−2.84	4.06	0.48	7.1	8	12	8	11
1902	33.7	− 2.2	70	5	5.14	+0.78	8.16	2.45	2.3	7	12	5	14
1903	31.8	− 1.1	62	− 9	2.50	−1.86	3.78	1.44	2.8	9	11	6	14
1904	32.3	− 3.6	70	−19	3.17	−1.19	5.16	1.62	2.5	10	18	5	18
1905	37.9	− 3.4	70	−15	2.85	−1.53	3.75	1.02	12.0	11	14	5	26
1906	39.7	+ 3.8	80	− 9	3.48	−0.88	7.84	1.45	1.1	8	17	6	18
1907	40.2	+ 7.8	83	−11	8.02	+3.66	12.73	1.62	4.8	14	7	8	18
1908	35.6	− 0.9	62	7	2.26	−2.30	3.52	1.06	1.0	8	12	5	18
1909	38.2	+ 2.4	77	− 5	5.47	− .5	6.05	2.23	5.7	9	5	6	20
1910	29.8	− 2.1	70	−20	4.41	+0.66	5.58	2.53	11.0	10	9	5	17
1911	38.7	+ 5.8	73	16	2.88	−1.48	5.05	1.15	4.4	11	9	4	16
1912	29.9	−10.0	61	−20	3.06	−1.27	4.76	1.64	11.7	8	15	4	14
1913	42.5	+ 4.6	76	13	11.41	+5.56	14.81	5.61	1.4	14	8	6	17
1914	39.4	+ 3.5	70	5	2.51	−2.65	3.61	1.42	1.0	6	9	7	15
1915	29.6	− 2.9	65	0	5.03	+0.87	6.74	3.50	7.0	13	8	7	16
1916	44.2	+ 5.3	78	− 5	7.27	+2.26	10.02	4.28	3.7	14	9	6	16
1917	36.7	+ 6.8	74	−17	6.36	+2.12	9.80	3.62	12.6	12	5	8	18
1918	19.6	−15.3	62	−20	5.05	+0.73	10.48	3.17	33.8	14	6	7	18
1919	32.0	+ 2.0	68	− 1	3.62	−0.75	7.10	1.63	1.6	7	16	6	9
1920	35.4	− 2.5	72	− 6	6.75	+2.27	11.43	3.42	9.7	16	10	6	15
1921	39.7	+ 3.8	71	12	3.06	−1.62	4.81	2.06	4.0	16	9	7	14
1922	34.6	− 1.3	67	1	2.28	−2.11	5.48	0.71	1.1	9	12	8	12
1923	41.0	+ 5.1	68	11	6.11	+1.77	8.64	3.95	T	13	6	6	17
1924	33.3	− 4.6	66	− 6	5.05	+0.66	6.06	3.46	1.2	9	18	5	11
1925	38.8	+ 1.1	76	− 3	2.26	−1.27	3.52	1.31	4.1	10	12	6	13
1926	34.4	− 1.1	69	−11	4.41	−0.38	5.68	2.24	7.1	10	10	6	15
1927	35.8	− 0.1	76	− 3	6.23	+1.57	9.55	1.87	2.2	12	12	5	14
1928	33.0	− 0.9	76	− 8	2.47	−1.80	4.24	0.90	1.9	8	14	7	10
1929	34.5	− 0.4	68	− 6	4.24	+0.16	7.50	2.76	1.8	13	6	7	18
1930	34.8	− 1.3	75	−20	4.87	+0.42	11.16	0.48	3.8	18	11	5	15
1931	37.7	− 1.8	72	− 6	1.98	−3.10	3.91	0.37	2.6	8	13	5	13
1932	34.0	− 3.0	80	14	8.13	+ .77	10.97	4.91	6.5	11	11	5	15
1933	33.9	− 3.0	74	19	5.51	+0.05	7.50	3.29	0.1	12	12	8	11
1934	40.4	+ 4.5	72	− 3	1.87	−3.61	5.66	0.47	0.2	8	13	6	14
1935	37.3	+ 1.4	71	− 2	5.28	+0.02	9.02	2.70	8.4	6	11	6	14
Period	35.9	....	83	−27	4.26	....	14.81	0.11	2.2	19	11	6	41

Climatological Data for January, 1935.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Calhoun	McLean	437	31	39.8	+ 2.2	66	17	4	24	48	5.06	+0.23	1.45	1.0	11	9	8	14	se.	W. A. Taylor.
Earlington	Hopkins	420	45	39.6	+ 3.4	66	17	3	24	39	6.01	+1.31	1.75	2.0	11	12	2	17	n.	Brick Southworth.
Earlington	Hopkins	356	6								4.37		1.20	0.5	9					Lockmaster.
Fords Ferry, Dam 50	Crittenden	359	18	38.1	+ 1.1	65	17	0	24	37	6.29	+1.82	1.70	3.0	10	15	8	8	s.	C. R. Lovell.
Greenville	Muhlenburg	382	21	37.7		66	17	1	24	45	4.22	+0.57	1.14	0.5	10	8	9	14	n.	Richard Stites
Henderson	Henderson	424	39	38.3	+ 0.4	62	16†	2	24	48	7.07	+1.86	2.02	6.1	11	9	4	18	se.	W. E. Graves.
Hopkinsville	Christian		6	39.0		66	17	4	24	47	4.90		1.90	1.0	7	18	2	11	n.	Blaine Malone.
Lovelaceville	Ballard	571	36	38.6	+ 2.8	65	17	2	24	47	3.60	−1.00	1.30		7	11	3	17	n.	B. C. Pans.
Marion	Crittenden	364	26	40.1	+ 1.1	65	17	4	24	49	5.88	+1.34	1.98	2.0	8	16	4	11	s.	Mrs. C. R. Sowell.
Mayfield	Graves	412	9	38.7		67	17	2	24	49	8.04		1.98	6.0	10	12	7	12	n.	Harry B. Arnold
Murray	Calloway	479	33	36.8	+ 1.1	63	17	1	24	46	3.91	−0.22	1.15	1.0	9	18	6	12	nw.	Henry S. Berry.
Owensboro	Daviess	404	7								4.38		1.25	1.5	10					Lockmaster.
Owensboro, Dam 46	Daviess	516	18								5.12	+0.49	1.43	1.2	11	13	8	10		C. J. Rhodes.
Paducah	McCracken	341	46								4.91	−0.22	1.79		7					J. W. Lilley
Paducah (near)§	McCracken	529	28	39.1	+ 2.9	65	17	3	24	46	5.65	+1.07	1.65	1.5	10	10	9	12	n.	Dr. W. L. Cash.
Princeton	Caldwell	564	18								4.63	−0.87	1.35	1.0	10					Lockmaster.
Rumsey, Lock 2 ‡	McLean	390	24	36.6	+ 0.5	64[b]	16	0	24	35[b]	7.13	+1.89	2.40	5.0	12	14	5	12	n.	Wm. Shelton.
Russellville	Logan	357	7								3.50		0.99		8					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	7								4.81		1.25	3.0	10					Lockmaster.
Anchorage	Jefferson	700	34	35.6	+ 2.1	61	7	1	24	48	2.78	−1.18	0.81	4.2	5	15	3	13	e.	C. E. Barret.
Bardstown	Nelson	657	38	36.2	+ 0.3	63	7†	0	24	42	5.56	+0.34	1.50	5.0	9	17	7	7	s.	Mrs. Emily T. Sisco.
Bardstown	Nelson	660	46	40.1	+ 2.6	62	17	6	24	45	9.92	+5.10	2.83	8.0	10	22	7	12	w.	Mrs. Lillie G. Causey.
Bowling Green	Warren										9.11	+5.02	2.83	8.0	10					Lockmaster.
Bowling Green, No. 2	Warren	469	10								4.39	−1.12	3.85	6.0	10					Lockmaster.
Brownsville, Lock 6	Edmonson	410	18								6.45	+1.78	2.87	1.0	9					T. A. Lewis
Burnside	Pulaski	773	44								3.79	−0.54	0.82		6					Lockmaster.
Carrollton, Lock 1	Carroll	480	36								3.10	−0.19	1.05	6.0	10					Lockmaster.
Cold Spring, Dam 86	Campbell	489	9								6.70	+3.02	1.90	3.9	9	7	8	16	sw.	Ralph C. Wyatt.
Danville	Boyle	540	2	36.0		64	6†	1	24	41	5.73	+1.47	2.00	2.5	10	11	2	18	s.	C. W. Williams.
Dix Dam, Burgin	Mercer	770	7	37.8	+ 0.2	65	21	5	24	41	5.44	+1.69	1.59	2.0	8	7	7	17	n.	Mrs. Katie Payne.
Eubank	Pulaski	1177	41	35.4	− 0.3	64	8	− 1	23	39	3.96	−0.17	0.79	3.0	8	11	4	16	w.	Lockmaster.
Frankfort	Franklin	560	43	36.6	+ 0.5	66	21	4	24	45	8.72	+4.25	2.75	5.0	12	13	6	12	n.	Marcus Gatewood.
Franklin	Simpson	601	40	39.3	+ 0.4	65	7†	2	24	39	3.77	−0.37	1.01	2.0	8					Lockmaster.
Gest, Lock 3	Henry	490	24								7.13		2.55	7.0	8	17	6	8	e.	P. L. Beatty.
Glasgow	Barren	780	9	38.1		65	7	2	24	37	3.18	+0.04	1.17	4.6	10					Lockmaster.
Grant, Dam 38	Boone	780	10								7.97	+3.10	2.26	3.5	13	4	0	27	ne.	Mrs. Bettie K. H. Alcorn
Greensburg	Green	581	42	37.0	+ 1.5	65	21	− 2	24	47	5.91	+1.47	1.52		10					Lockmaster.
High Bridge, Lock 7	Jessamine	644	33								3.91	−0.37	1.34	3.0	8	11	5	15	sw.	W. J. Piggott
Irvington	Breckinridge	646	37	37.5	+ 1.3	63	17	3	24	50	8.29	+4.42	3.16		12					Walter Killion.
Lancaster	Garrard	1032	9								6.29	+1.56	1.65	3.0	11	12	7	12	nw.	H. H. Willis.
Leitchfield	Grayson	635	39	37.2	+ 1.5	62	21	− 1	24	50	5.56	+1.18	1.67	3.4	13	9	6	16	s.	U. S. Weather Bureau
Lexington	Fayette	989	61	34.6	+ 1.7	63	6	3	24	35	7.98	+2.52	2.20	2.5	10					Lockmaster.
Little Rickman, Lock 8	Jessamine	560	24								4.85	+0.70	1.50	1.5	8					Lockmaster.
Lockport, Lock 2	Henry	485	25								3.37	−0.63	1.39	2.1	8	12	5	14	s.	U. S. Weather Bureau.
LORETTO	Marion	525	62	36.2	+ 2.0	62	16	5	24	45	7.09	+2.28	1.55	4.4	8	15	8	13		Sisters of Loretto.
St. John	Hardin	777	39								5.70	+0.77	1.60		6					Lockmaster.
Salvisa, Lock 6	Mercer	520	21								4.70	+0.38	1.14	2.0	13	8	4	19	sw.	Miss Ruth Ratta,
Shelbyville	Shelby	825	46	37.2	+ 1.3	66	7	2	24	45	4.33	−0.37	1.36	2.3	8	11	6	14		Elizabeth J. Bourne.
Taylorsville	Spencer	489	33	35.4	+ 0.1	63[a]	21	0	24	32[a]	4.97	+0.53	1.05	8.5	7					Lockmaster.
Tyrone, Lock 5	Anderson	524	17								4.43	+0.56	1.08	1.5	10	11	11	9	w.	Miss Nettie B. Simpson.
Williamstown	Grant	943	32	35.1	+ 1.9	61	7†	2	24	41	6.81	+1.28	1.47	3.0	10					Lockmaster.
Woodbury, Lock 4	Butler	594	18								6.24		1.26	3.0	13	7	7	17	sw.	W. A. Worthington.
Eastern Division.																				
Annville	Jackson		4								4.71	+0.51	1.55	7.0	12	11	1	19	w.	Lockmaster.
Ashland	Boyd	534	16	36.4	− 0.1	68	21	3	25†	39	6.37	+2.16	1.63	6.2	11	10	9	12	nw	Chas. C. Graham.
Beattyville	Madison	1070	30	37.7	+ 0.5	68	8	− 2	24	39	6.42	+1.86	2.60	3.0	12					Lockmaster.
College Hill, Lock 11	Madison	611	25								4.42	+0.35	1.40		8					P. H. Kehoe.
Cynthiana	Harrison	684	17								3.72	−0.22	1.13		11					J. V. Oldham.
Falmouth	Pendleton	600	46								5.90	+1.58	1.61	5.0	9	12	4	15	e.	Mrs. R. F. Stamper.
Farmers	Rowan	668	27	35.6	0.0	66	21	2	25	50	5.86	+1.04	1.61		8					C. A. Glascock
Flemingsburg	Fleming	841	19								6.68	+2.19	2.30	3.1	9					Lockmaster.
Ford, Lock 10	Clark	637	19								4.36	+0.77	1.50	8.0	11					Lockmaster.
Greenup, Dam 30	Greenup	540	15								4.12		1.31	2.0	8	14	7	10	n.	W. W. Duffield.
Harlan	Harlan	1197	7								4.85	+1.63	0.78		15					Chas. O. Ihrig.
Hazard	Perry	869	11								6.96	+2.87	1.50	4.0	13	5	6	20	w.	Lockmaster.
Heidelberg, Lock 11	Lee	663	18	37.8		69	7	3	24†	46	4.95	+1.68	1.16		10					H. F. Davidson.
Jenkins	Letcher	1566	11								3.90	+0.24	1.40		10					Lockmaster.
Louisa	Lawrence	584	31								4.55	+0.73	1.32		6					Bennett H. White.
Manchester	Clay		16								3.32	−0.70	1.26		11	9	6	16	sw.	Lockmaster.
Maysville	Mason	521	38	33.1	+ 1.4	65	8†	− 1	28	38	3.52	−0.52	0.99	0.5	10	6	22	8		Matthew Woodson
Middlesboro	Bell	1128	39	36.0	− 1.4	66	7	5	24	34	5.53	+0.85	1.52	6.0	11	15	4	12	nw.	W. R. McKee.
Mount Sterling	Montgomery	930	15	34.9	+ 2.4	68	7†	0	24	39	3.66	+0.18	1.39	4.5	10					Lockmaster.
Oneonta, Dam 35	Campbell	497	8								4.31		1.12	2.0	9					Manuel Robinson.
Paintsville	Johnson	567	1								3.68	+0.26	0.93		7					Robert Repass
Pikeville	Pike	605	29								5.09		0.92	6.2	13	7	4	20		August D. Angel.
Pine Mountain	Harlan										3.45		1.50		5					L. W. Saintsergfield.
Pippapass	Knott	1035	1	38.8		69[b]	21	7[b]	24	40[b]	4.86	+1.05	1.02	2.0	7					R. W. Jones.
Quicksand	Breathitt	752	9	37.8	− 1.0	71	7	3	28	50	5.41	+1.80	1.78	3.8	10					Lockmaster.
Rockcastle, Lock 12	Estill	681	17								7.45	+3.29	2.35		10	8	3	20		J. W. Crooke.
Rockwood	Madison	926	41	36.2	+ 0.9	67	8	1	24	27	6.41	+1.79	2.10	8.5	9					Lockmaster.
Valley View, Lock 9	Madison	571	22								4.37	−0.15	1.36		9					Lockmaster.
Vanceburg, Dam 32	Lewis	525	20																	G. H. Zimmerman.
Whitesburg	Letcher	1142	10								4.46	+0.01	1.16		7	9	10	12		H. F. Davis.
Williamsburg	Whitley	953	38	40.4	+ 1.6	71	7	7	24	34	6.70	+2.65	1.80	5.0	11					Lockmaster.
Wilton, Lock 13	Lee	646	16								5.24	+0.92	3.85	3.4	9	11	6	14	n.	
State averages and extremes				37.8	+ 1.4	71	7	− 2	21	50										

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in computing section or division means.

Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Inconspicuous letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡ Precipitation is less than 0.01 inch rain or melted snow.

§ Lone Oak.

* Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 14, Red House Ky.; Oneonta, California Ky.

Daily Precipitation for January, 1935.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Calhoun							.05	.46	.02	T					.10	.01	.10		1.25	.54	1.45	.05	T									
Burlington								.60							.20	.40	.57		1.40	.76	1.76	T			T	T						
Fords Ferry Dam 50					T.	.12	.60	.02					.05		.20	.40	.57		1.40	.76	1.76	T			T	T						
Greenville							.18			T.						.03	.04		.84	.77	1.20	.05		I		T						
Henderson							.03									.03	.04		.84	.77	1.20	.05		I		T						
Hopkinsville																																
Lawrenceville							.04	.38	.40						.16	.70	.25		1.16	1.10	1.50	.15										
Madisonville								.86		.01			.02		.22	.02			1.14	.65	.50					.04						
Marion							.20	.20							.88	.58	.01	T.	2.44	1.50	.65	.18										4.22
Mayfield							.20	.20							.70	.05			1.50	.85	1.05											
Maxwell							.45	.80	.10							.04	.15		1.35	.70												
Murray							I	.81								.04	.15		1.35	.70												
Owensboro					T.	T	.28	T	T	T		T			.17	.30			.67	1.28	1.00	1.30										
Owensboro, Dam 45					T.	T	.25	.06	T						.86	.41	.22		1.08	1.30	.85	.15										
Paducah							.14	.32	T	T		T			.60	.64	T		1.18	.60	1.11	.05										
Paducah (near) ¶							.03	.25	.10	T					.08	.07			.96	.54	.25	.20			T	.02						
Princeton							.80	.10							.02	.01	.05		1.40	.94	1.17	.05										
Rumsey, Lock No. 2							.13	.44	.02	.01					.40	.35			1.75	.94	.50											
Russellville								.12	.03	.06					.42	.58		.05	1.45	.90	.45	T			T							
Uniontown, Dam 49								.05	.38	.02			.02			1.05	.30		1.82	2.40	.40	.50	.25			T						
							.15	.16	.15	T.						.52	.05		.99	.54	.50	T				T						
Central Division																																
Addison, Dam 45					T.		.10	.10	.01			T.				.35	.10		1.12	.54	1.25	.14		T.			T				
Anchorage					T.		.18	T.				T.				.09	T		.81	.58	.50						T				
Bardstown							.36	.05							.05	1.10	.20		1.68	1.25	T.	.60					T					
Bowling Green							.16	.26				.01			.20	.95			2.88	2.24	1.73	1.10										
Bowling Green, No. 2							.15	.20				.01				.85	.35		2.83	2.04	1.12	1.10										
Brandenburg, Lock No. 6							.12	.20				.05				.70	.60		1.65	1.30	.70	.85										
Burnside					T.	.12	T.	.17						T.		1.22	.43		2.80	2.37	.61	.81	T	T.			T					
Carrollton (Lock No. 1)																.31	.62		.40	.42	.62										
Cold Spring, Dam 36																T	1.05		.40	.43	.45	.27		T.	T.	.05	.05		T		
Danville					T.	T.	.07	T.							T	1.21	.41		1.82	1.35	.65	.29	T.			.01						
Dix Dam, Burgin							.05					.01			.06	.57		.83	2.06	.87	.65	.02				.05						
Eubank									.03	.07						.89	.09		.84		1.59	1.43										
Frankfort								T.	.02	T.	T.					.10	.71		.60	.79	.04	.47		T.		T.	T					
Franklin							.36	.05							.36	.60	.30		2.10	2.75	1.16	.50				.27						
Gest, Lock No. 3						.03	.11				T.				.21	.85		.54	.71	1.01	.28										
Glasgow															.20	.75			2.00	2.52	.50	.25										
Grant, Dam 33												.05				T	1.17		.40	.81	.70	.10		T.		.05	.04					
Greensburg							.15	T				.01			.12	1.14	.14		1.80	2.20	1.27	.55										
Hiseville																.60	.70		.72	1.02	.75	.72										
Hiseville, Lock No. 7						.01	.20	.02	.03			.02				.55	.05		1.04	.57	1.34		T.			.02						
Irvington							.02	.07		T.			T.			.60	.70		.72	1.02	.75	.72										
Lancaster							.10		.05			T.			.05	T	1.15		1.35	.70	.65					.02						
Leitchfield							.02	.02			.02	.08			.75	1.02			.75	1.10	.65	.50										
Lexington ***					T.		.11					.03			.18	.75	.72		1.65	.80	1.53	.10				.03						
Little Rickman, Lock No. 8					T.		.13	.01	.03			.07			.07	1.20	.25	T	.98	1.67	.81	.02	T.		T.	.02						
Lockport, Lock No. 2								.22				.05				.70	.50		1.10	2.20	.83	.63										
Louisville ***							.14								.02	.70	.40	.75	.80	1.50	.28					.05						
Louisville							.11	T	T			.01			.05	.01	.05	T	.88	.79	1.02		T.		T.							
Salvisa, Lock No 6							.55								.02	1.15			.98	1.15	1.15	1.40	.25									
Shelbyville								T	T							.60	1.10		1.10	1.60	.95	.45				T						
Taylorsville					.01		.24	.02	.01			.02		T.	.60	.14			.79	.71	1.13	.40	T.			.02						
Tyrone, Lock No. 5							.56	T			T.				.70				.92	.90	.05	1.80	.05			.02						
Williamstown							T.	T							.36	.01			.88	1.05	.57	.80			T.							
Woodbury, Lock No. 4							.05	.02							.26	.25			.60	.60	1.68	.17			.10							
Eastern Division							.07	.19				.05			.46	.80			1.40	1.57	1.47	.25				T.						
Annville																																
Ashland							.04		.02																							
Berea							.04	.02	.01	T.			.03		.82	.58			.25	1.20	1.18	.72	.20	.02		.05						
College Hill, Lock No. 11								.02	T.			.02			1	1.55			.02	.79	.86	.53	.22			.01						
Cynthiana								.03					.03		.05	1.30	.25		1.05	1.54	.55	.86	I			.16						
Falmouth							.05	T.	.02	T.		T.	T.		.50	1.10			2.05	.40	.75	.02	.02		T.	.02						
Farmers					T.			.02	.02		T.		.02	T.		1.40			.50	.80	.03	.52				.05						
Flemingsburg									.25						.14	1.10			.35		.82	.38	T.	T.	.05	.03						
Ford, Lock No. 10									.10						.10	1.46			.42	1.61	.25	.94	.10									
Greenup, Dam 30					T.			.01	T.	T.						1.61			.06	1.40	.58	.65	.15									
Harlan					.01		.02	.47		T.			.02			.80	.50		.50	2.30	1.10	.72	T.	T.	T.	.01	T						
Hazard								1.25					.05		.47	1.30			.10		.18					.06						
Heidelberg, Lock No. 14		.01			.01		.02	.01	.04				.03		.58	.77			.05	.73	.05	.62	.42	.04		.02						
Jenkins					T.	.03		1.05					.06		.85	.74			.33	1.50	.70	1.10	.07	I		.10	.05					
Louisa								1.10				.02		.86	.77				.21		.50	.80	.16			.08		.06				
Manchester						.03	.05	.25	.05							1.40			.05	.65	.50	.80										
Maysville								1.27							.31				.65	1.52	.51	.45										
Middlesboro					.03	.05	.03					.02	.05	.05	1.25				.12	.47	.70	.53	T.									
Mount Sterling								.95					.08	.55	.22				.38	.25	.24	.74	.05									
Oneonta Dam 35					T.	.30	.02	T.	.08			.03			1.20	.25			1.10	1.62	.75					.12						
Prestonville					T.		.01	.02	T.			T.			T.	1.37			.08	.85	.60	.23		T.	T.	.03	.07					
Pikeville						.12		.30					.14	.28	.18	1.12						1.11	1.02									
Pine Mountain					T.			.93					T.		.42	.91			T.	.42	T.	.72	.15				.04					
Pippapass					T.	.30		.70				.05		T.	.78	.26			.07	.64	.46	.92	.57	.03		T.	.08						
Quicksand								.20						.10	1.50				.17	.27	.18	1.02		.01								
Ravenna, Lock No. 12						.02		.61					T.	.83		.86			.21	.80		1.02										
Richmond					T.			.15					.06		.60	.07			.42	1.78	.60	.91	T.	T.		.08						
Valley View Lock No. 9						.09		.10					.45			.75	1.05		1.00	2.35	.45	.55										
Vanceburg, Dam No. 32								.11				T		.46	.65		.85	2.10	.76	.80			.20	.05							
Whitesburg							.04		.04				.02			.02	1.86			.01	.65	.41										
Williamsburg					.09	.06	.10	.04						.02					.08	.10	.06	1.63	.11	T.								
Willow, Lock No. 13								.48							.60	.47			.15	1.06		1.16										
					.03		.05					.08		.80	1.05		.45	1.80	.70	1.00	.68				.05							

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak

Daily Temperatures for January, 1935.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	48	51	49	41	56	59	39	60	58	55	47	52	51	45	37	62	66	49	52	56	57	57	26	20	31	42	38	44	42	45	47	48.4
	Minimum	26	25	35	17	25	45	49	55	51	47	38	31	41	23	30	34	39	30	50	20	9	18	4	15	27	23	17	31	22	24	30	30.2
Earlington	Maximum	49	60	50	41	57	56	60	61	59	57	48	52	58	45	38	64	66	52	58	59	58	24	24	20	31	44	40	44	42	41	46	48.0
	Minimum	26	23	35	19	22	47	50	57	52	50	34	30	45	25	32	38	41	36	40	51	19	10	18	6	16	20	25	16	27	23	23	31.1
Greenville	Maximum	47	49	51	46	58	54	64	66	57	56	49	52	56	48	47	63	65	50	50	59	56	23	24	18	30	44	38	43	42	42	49	48.1
	Minimum	29	18	29	17	19	44	48	53	50	45	31	26	43	22	29	35	37	35	38	49	19	8	10	0	9	28	23	11	23	20	20	28.1
Henderson	Maximum	49	51	51	37	58	56	57	60	57	53	48	52	54	37	38	64	66	47	52	54	55	28	28	23	31	44	33	49	43	42	49	47.8
	Minimum	23	23	32	14	23	42	46	53	50	44	31	31	31	22	28	36	37	32	37	50	10	8	16	1	14	31	21	14	27	21	24	28.1
Hopkinsville	Maximum	49	44	45	47	59	59	58	58	56	55	52	49	49	46	38	62	62	48	50	58	58	22	26	21	36	41	42	45	44	39	46	47.1
	Minimum	30	22	25	19	22	43	48	54	51	48	33	31	41	25	32	37	40	37	40	49	10	9	16	2	13	26	25	15	25	24	22	29.5
Lovelaceville	Maximum	50	51	51	41	57	56	57	63	59	55	52	54	59	49	39	64	66	48	55	58	57	25	25	22	35	47	45	43	41	48	51	49.2
	Minimum	30	22	23	17	20	37	47	52	51	48	29	31	41	25	33	36	37	37	40	52	10	7	16	4	15	25	26	14	21	23	21	28.9
Marion	Maximum	49	49	49	48	55	56	55	59	60	57	52	48	55	49	48	58	65	52	51	54	55	56	26	20	27	44	45	32	45	40	46	49.0
	Minimum	24	25	34	16	26	45	48	54	50	47	31	33	38	22	31	35	37	35	38	52	8	7	16	2	14	24	24	14	25	25	20	28.1
Mayfield	Maximum	50	49	53	48	57	57	59	61	59	57	55	55	60	51	39	64	65	48	55	59	59	25	24	22	32	48	45	44	44	42	48	49.5
	Minimum	30	26	31	19	25	44	48	54	47	49	32	34	46	26	33	37	38	39	41	50	15	8	17	4	13	26	27	18	28	24	26	30.7
Murray	Maximum	50	51	53	41	61	54	61	66	57	58	51	56	62	47	39	65	67	48	56	60	57	23	25	23	34	47	39	45	46	44	53	49.4
	Minimum	26	20	28	17	19	43	47	51	45	50	33	26	44	25	29	35	39	37	40	50	8	7	16	2	9	22	25	14	22	23	20	28.0
Owensboro	Maximum	44	50	48	37	57	54	57	60	60	56	49	50	54	43	37	59	63	46	50	56	54	26	20	17	28	39	28	40	42	40	45	45.2
	Minimum	22	20	32	17	35	39	45	52	49	40	30	28	40	21	27	31	35	30	36	47	8	7	16	1	18	22	20	12	25	22	22	27.4
Princeton	Maximum	48	51	50	40	60	55	60	61	59	55	49	53	57	40	39	64	65	49	51	56	57	24	23	25	38	48	39	45	44	45	52	48.6
	Minimum	24	22	30	18	21	44	48	54	51	47	33	31	40	25	30	34	37	33	40	51	11	8	17	5	16	25	25	15	27	24	25	29.6
Russellville§§	Maximum	48	48	52	37	55	57	61	61	58	58	48	53	56	...	47	64	64	54	52	63	59	25	24	20	31	43	29	42	40	42	49	*46.2
	Minimum	31	21	27	13	19	33	44	52	52	48	32	27	33	24	26	34	41	37	39	43	28	9	11	6	2	7	23	13	21	22	25	27.0
Central Division.																																	
Anchorage	Maximum	57	48	48	38	54	54	61	60	55	53	43	45	52	38	39	59	60	48	50	54	60	27	35	25	27	33	25	42	26	37	45	45.4
	Minimum	24	17	35	16	18	38	41	49	43	41	32	23	38	21	27	31	34	25	35	48	12	12	13	7	15	23	12	7	25	20	18	25.7
Bardstown	Maximum	49	45	41	41	61	54	63	60	58	56	49	51	55	39	32	53	62	53	49	66	63	24	28	16	28	37	34	47	42	41	46	46.0
	Minimum	23	19	31	15	19	39	44	53	50	48	30	26	34	22	25	35	37	29	36	38	21	12	12	6	8	15	17	8	21	21	17	26.3
Bowling Green	Maximum	49	47	53	45	58	55	60	60	57	59	55	54	56	49	40	60	62	48	48	59	60	28	38	40	34	38	40	38	41	42	42	48	49.4
	Minimum	31	22	30	21	38	48	53	52	53	49	35	30	34	26	32	36	42	37	40	48	15	13	20	6	11	22	22	14	28	25	22	30.8
Danville	Maximum	48	46	50	43	59	64	64	62	58	56	49	48	52	48	38	59	6	41	49	57	61	24	24	18	33	35	32	42	38	36	44	46.4
	Minimum	28	18	37	16	18	40	42	46	42	42	29	21	37	22	21	32	38	31	34	46	19	12	16	1	6	24	15	4	19	21	17	25.7
Dix Dam	Maximum	48	46	50	45	60	62	63	64	60	60	50	49	54	49	38	64	66	49	49	58	59	24	26	19	31	36	34	44	41	37	45	46.8
	Minimum	32	21	35	18	20	38	43	46	51	32	31	27	40	25	24	33	40	32	37	47	24	14	1	1	4	15	18	19	15	20	21	25.2
Eubank	Maximum	49	43	48	55	61	63	61	64	58	56	52	58	62	38	38	63	66	48	55	59	63	28	33	23	34	41	38	46	43	42	48	49.4
	Minimum	29	17	11	12	19	39	43	42	50	48	24	24	24	23	24	33	34	30	40	31	25	13	24	11	18	34	34	41	38	36	22	26.6
Frankfort	Maximum	48	47	52	46	59	59	62	63	61	58	48	45	55	46	42	43	63	46	48	56	56	25	26	21	31	34	34	41	38	36	42	46.6
	Minimum	28	20	35	18	18	40	38	43	47	47	32	26	36	22	24	34	38	28	31	45	21	11	18	4	8	15	17	8	31	21	17	26.6
Franklin	Maximum	46	48	54	39	56	57	65	68	60	58	58	54	58	49	40	65	67	52	49	65	68	24	26	21	32	43	38	45	43	43	50	48.6
	Minimum	33	26	31	16	23	38	39	55	59	49	34	29	43	25	31	47	45	38	40	46	14	11	19	2	12	24	25	14	27	25	22	30.0
Glasgow	Maximum	48	46	63	47	60	58	6	59	55	58	50	55	55	40	61	61	45	48	58	59	24	27	25	33	43	36	42	41	45	48	47.9
	Minimum	26	19	31	19	23	28	42	54	50	50	32	27	45	24	35	36	40	36	35	48	15	11	11	2	10	22	21	12	24	24	21	28.3
Greensburg	Maximum	49	46	52	46	57	59	59	59	58	57	53	55	55	50	37	62	62	47	50	58	65	24	24	21	33	37	38	45	39	38	48	47.9
	Minimum	29	15	32	17	17	35	46	45	49	47	30	30	23	23	25	34	39	33	36	46	18	11	18	2	7	21	17	7	23	22	17	26.1
Irvington	Maximum	48	47	45	36	56	56	62	60	57	54	46	49	54	39	38	60	63	45	50	57	61	26	26	20	30	39	34	41	37	36	44	45.9
	Minimum	26	22	29	19	24	46	50	55	52	46	34	28	39	28	30	36	38	32	38	50	11	11	15	3	12	25	19	14	31	22	22	29.1
Leitchfield	Maximum	47	46	49	37	57	56	60	60	57	54	46	49	54	39	38	60	63	45	50	57	57	23	18	30	38	42	36	37	48	44	45	46.4
	Minimum	27	21	33	19	24	43	48	54	52	47	31	28	41	26	28	35	38	34	37	46	13	10	16	2	13	26	22	16	29	23	23	28.1
Lexington	Maximum	44	44	48	36	58	63	62	62	58	52	45	46	52	36	37	53	49	43	45	55	46	22	24	15	29	32	28	33	38	41	42	42.3
	Minimum	26	19	31	16	23	41	46	49	49	45	31	27	38	23	28	32	37	29	34	45	21	14	15	8	7	21	15	8	30	19	17	26.9
Louisville	Maximum	42	48	48	34	57	55	60	60	57	52	45	45	53	35	39	62	62	42	53	59	57	27	23	18	30	38	34	42	36	37	43	44.5
	Minimum	24	24	25	16	25	48	50	55	48	38	35	33	32	21	30	36	37	30	36	50	12	12	12	5	13	24	17	12	27	21	21	28.0
St. John	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Shelbyville	Maximum	47	46	49	37	57	56	60	58	57	54	45	44	52	45	39	61	59	43	47	55	62	23	24	16	29	33	32	40	37	35	41	46.0
	Minimum	25	20	32	11	21	41	44	50	44	44	31	28	36	21	25	28	36	29	35	46	17	12	16	2	8	22	15	7	20	18	18	26.9
Taylorsville	Maximum	...	45	49	34	57	56	61	59	58	55	46	47	51	42	39	63	64	46	49	56	63	25	25	17	30	35	33	39	37	35	42	*44.6
	Minimum	27	20	31	17	17	37	39	45	46	45	33	25	38	25	28	41	42	34	37	46	13	10	15	0	10	21	18	7	20	21	18	26.1
Williamstown	Maximum	44	48	48	38	58	57	61	60	60	58	47	48	54	36	37	60	63	45	48	56	63	28	26	17	30	38	34	42	40	38	43	42.3
	Minimum	24	19	33	14	21	44	42	47	49	42	31	27	35	21	21	33	36	27	33	42	20	14	16	2	6	23	17	5	29	14	12	25.8
Eastern Division.																																	
Ashland	Maximum	39	43	54	49	55	55	60	66	58	56	50	43	52	52	40	41	60	47	43	50	68	39	26	20	29	31	32	42	41	33	42	45.8
	Minimum	30	20	33	17	17	39	39	39	44	44	25	25	34	27	21	26	39	32	26	32	39	20	20	5	8	31	17	3	27	20	12	27.0
Beech	Maximum	48	44	52	48	61	64	67	68	63	58	55	50	51	42	38	56	61	48	45	54	66	26	28	26	31	34	34	38	36	36	41	48.0
	Minimum	27	20	35	16	23	40	50	50	50	50	32	25	40	29	27	33	40	32	36	48	24	14	18	2	6	26	20	9	4	31	22	28.1
Farmers	Maximum	48	49	52	48	63	62	60	62	61	57	52	45	52	39	32	53	62	48	49	54	66	28	26	20	32	42	41	38	38	38	41	47.1
	Minimum	29	15	27	15	13	38	40	39	50	48	29	21	29	24	17	32	31	27	33	39	31	12	17	7	2	10	17	3	28	19	5	24.0
Harlan§§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Heidelberg	Maximum	48	47	55	39	62	61	69	67	67	57	55	47	52	52	37	41	50	46	44	51	65	66	30	23	34	38	27	44	37	37	47	48.1
	Minimum	38	15	21	21	16	33	42	46	49	41	35	30	30	22	28	31	33	33	37	43	24	24	3	8	20	20	3	8	25	25	14	27.6
Maysville	Maximum	48	46	49	46	58	51	56	65	64	62	47	45	53	42	36	59	67	48	49	54	66	28	29	20	29	33	34	40	36	36	40	44.6
	Minimum	25	20	31	15	32	35	38	40	5	45	33	25	38	22	22	28	34	29	27	36	34	27	17	17	4	13	25	15	7	20	16	25.6
Middlesboro	Maximum	45	42	51	49	66	61	66	65	61	59	58	49	59	51	42	46	66	49	49	53	62	41	33	26	25	30	30	38	38	42	46	48.4
	Minimum	32	14	20	21	28	39	45	47	47	47	36	21	31	27	23	31	37	28	31	44	24	14	12	15	16	23	16	3	22	16	4	27.6
Mount Sterling	Maximum	46	44	46	42	60	64	65	68	68	58	55	47	53	46	38	57	63	46	48	56	63	28	26	20	30	38	34	43	40	40	46	46.2
	Minimum	24	22	30	18	21	44	47	52	49	40	30	28	40	21	27	31	35	30	36	47	8	7	16	1	18	22	20	12	25	22	22	27.4
Pippapass	Maximum	48	46	56	42	65	64	71	65	65	65	58	49	55	46	38	54	66	48	45	56	69	32	30	24	32	37	35	44	41	40	47	49.0
	Minimum	30	19	33	17	24	38	51	52	41	49	27	29	32	24	24	32	35	29	31	38	31	25	19	20	25	29	22	7	26	24	18	28.3
Quicksand	Maximum	49	46	56	42	65	64	71	65	65	65	58	49	55	46	38	54	66	48	45	56	69	32	30	24	32	37	35	44	41	40	47	49.0
	Minimum	30	19	33	17	24	38	51	52	41	49	27	29	32	24	24	32	35	29	31	38	31	25	19	20	25	29	22	7	26	24	18	28.3
Redmond	Maximum	46	48	45	50	62	65	68	67	65	58	43	56	48	42	38	40	60	50	45	54	65	42	25	27	39	45	43	44	37	41	50	49.9
	Minimum	32	19	33	17	24	38	51	52	41	49	27	29	32	24	24	32	35	29	31	38	31	25	19	20	25	29	22	7	26	24	18	28.3
Williamsburg	Maximum	49	50	59	49	60	69	71	67	61	62	59	51	58	53	44	54	69	49	50	49	66	33	30	23	36	45	43	44	37	41	50	50.9
	Minimum	29	18	25	21	26	44	49	57	51	51	36	25	37	28	25	36	44	36	39	40	31	24	21	7	14	22	18	10	26	28	17	30.0

§§ Instrument was read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*2 etc. indicate respectively 1, 2 etc. days missing from record.

W. B. O. Louisville, 2.85 Jan.

1.05
NKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.

J. L. KENDALL.

VOL. XL LOUISVILLE, KY., FEBRUARY, 1935 No. 2

GENERAL SUMMARY.

Except for a few cold days, mild weather prevailed during the month. Decidedly warm weather in periods of several days near the middle and also in the last week caused grass and winter grains to renew their growth. Buds expanded and some shrubs began to put out leaves. These premature developments were checked by the cold wave near the end. Day temperatures considerably above freezing and night temperature frequently below caused some heaving of soil on lands inclined to hold water. However, the light precipitation and the tendency of surplus moisture to seek the subsoil relieved the surface of saturation so that the freezes usually had little or no lifting effect, hence injury from this cause was negligible. Winter grains were smaller than usual in size, but appeared to be well rooted and in good condition.

Although light in quantity, the frequency and duration of precipitation, together with the relatively warm weather, favored the conditioning and handling of tobacco. Stripping and marketing were practically finished in the burley district, and proceeded rapidly toward completion in the dark area. Because of the delay due to dryness in the first half of the winter, this favorable weather was of marked assistance to the tobacco industry.

Some plowing occurred in the first and last weeks, mainly in the northern and western counties. As a rule the soil remained too wet in the southern sections which received the heavy rains of the preceding month. In the last decade the surface soil on well drained uplands dried out sufficiently that preparation for tobacco plantbeds and early gardens could be commenced. The cold spell near the end caused the suspension of these activities. The water supply in the soil is generally good in central and southern districts, but there is still complaint from some northern counties of relative dryness in the deeper layers. The weather was more favorable than usual for spring lambs.

TEMPERATURE.

Temperatures averaged much above normal in the periods 1st-5th, 8-9th, 12-15th, and 21st-22d. From the 13th to 15th the daily excess ranged from 10° to 22°. Departures as far below the average occurred on the three cold days at the end of the month. The extremes were 73° on the 9th at Mayfield and 5° on the 26th at Mubank.

PRECIPITATION.

Because of marked deficiency in the northern counties, precipitation averaged about an inch less than normal. In most southeastern counties it ranged from 3.0 to 4.0 inches, which is not far from the seasonal amount. In a broad belt through the State from the southern Purchase to the lower Big Sandy precipitation varied between 2.0 and 3.0 inches. North of this section it shaded off to about one inch in the counties along the Ohio between the Green and Licking. This area of light rainfall coincided rather closely with the district receiving the least moisture in the preceding month. With the exception of January the precipitation has been much less than normal in the northern half of the State for the past five months. Moderate to heavy rain occurred in the central and southern counties and light to moderate rain in northern districts in the periods 8-10th, 13-15th, 23d, and 25-27th. Snow, ranging from flurries to 1.0 inch, was reported on the 16th, 17th and 26th. For the State precipitation varied between 0.53 inch at Anchorage and 4.23 inches at Jenkins.

MISCELLANEOUS.

Rivers:—The rains of the 13-15th, falling on the wet soil of the southern counties, caused enough run-off to start a moderate rise in the Ohio. The rains later on maintained these moderate stages until the end of the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure reduced to sea-level: Mean.	Highest.	Date.	Lowest.	Date.	Wind: Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity: 7 a. m.	12 noon.	7 p. m.	Percentage of sunshine.
Cairo	30.12	30.57	1	29.66	14	10.8	36	sw.	21	78	62	62	32
Cincinnati	30.16	30.62	1	29.64	14	9.4	27	w.	18	85	66	78	26
Evansville	30.12	30.59	1	29.62	14	11.1	31	sw.	21	78	62	67	31
Louisville	30.12	30.61	1	29.69	14	11.7	37	s.	21	77	71	80	42

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature: Mean.	Departure.	Highest.	Lowest.	Precipitation: Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days: Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	39.1	− 2.9	74	3	1.91	−1.51	2.58	0.88	.....	..	..	..	..
1890	47.6	+ 5.7	86	16	7.38	+4.96	13.33	2.47	.....	..	..	..	..
1891	42.2	+ 5.2	76	0	4.72	+3.30	9.16	2.56	.....	..	..	..	..
1892	42.2	+ 5.2	70	11	2.99	−0.50	4.89	1.88	.....	..	..	..	..
1893	37.7	+ 0.7	70	3	4.30	+0.33	7.74	2.60	.....	..	..	..	..
1894	34.6	− 2.4	74	2	4.67	+1.24	7.66	1.81	.....	..	..	..	..
1895	35.9	+11.1	80	−18	0.66	−2.76	1.50	0.08	.....	5	12	8	8
1896	37.4	+ 0.4	81	2	3.66	−0.9	8.46	1.82	.....	9	9	7	12
1897	38.5	+ 2.8	76	18	5.75	+2.23	9.86	3.22	11.0	11	8	9	12
1898	37.4	+ 0.4	77	− 3	1.81	−1.81	3.40	0.72	2.6	6	10	8	13
1899	25.2	−10.8	71	−20	2.97	−0.55	8.34	1.24	16.8	11	9	6	13
1900	32.5	− 4.5	76	− 3	4.85	+1.26	6.38	2.69	7.0	12	7	8	13
1901	32.4	− 4.2	71	1	1.57	−2.15	2.88	0.49	2.1	6	10	7	11
1902	37.9	− 0.1	69	− 3	1.30	−2.12	3.00	0.46	2.5	7	11	4	10
1903	37.5	+ 0.6	75	−16	7.25	+3.82	10.56	4.86	6.1	10	6	12	12
1904	33.2	− 3.8	75	− 2	2.32	−1.10	4.02	1.09	2.6	7	11	4	10
1905	27.9	− 9.1	67	−15	2.44	−0.96	4.40	1.17	3.9	9	5	5	18
1906	34.7	− 2.3	75	−12	1.81	−1.62	2.46	1.00	6.9	7	16	5	7
1907	35.7	− 1.3	73	−10	3.09	−0.38	6.06	0.66	7.6	9	13	6	10
1908	35.6	− 1.4	70	− 2	5.56	+2.14	8.32	2.80	13.8	12	9	5	15
1909	42.4	+ 5.4	75	− 8	8.17	+4.75	11.82	3.70	1.9	11	12	4	12
1910	39.9	− 4.1	66	−12	4.76	+1.98	7.15	2.31	11.5	10	12	4	14
1911	42.0	+ 5.2	81	11	2.25	−0.17	5.17	1.69	0.4	9	13	4	14
1912	29.7	− 7.3	68	−14	2.05	−0.92	4.91	0.62	3.5	7	16	5	10
1913	34.8	− 2.2	77	− 2	2.91	−0.46	4.84	1.60	1.4	7	14	5	9
1914	32.2	− 4.8	69	− 2	4.14	+0.57	6.59	2.56	7.2	11	10	5	13
1915	41.9	+ 4.9	75	13	1.74	−1.58	2.88	0.84	0.2	6	6	5	17
1916	35.0	− 2.0	72	− 4	2.96	−0.53	4.90	1.23	5.0	9	11	6	12
1917	34.8	− 2.2	80	− 5	3.51	+0.09	9.20	1.42	4.7	8	9	6	16
1918	32.3	− 2.8	81	− 8	2.96	1.26	4.10	0.67	8.1	9	11	5	15
1919	36.6	+ 1.6	70	12	1.75	−1.66	3.14	0.87	1.1	9	11	8	10
1920	35.7	− 1.3	71	0	2.20	−1.20	4.92	0.79	3.8	9	8	5	12
1921	41.3	+ 4.3	77	11	3.42	−0.25	6.29	1.95	8.5	10	9	5	15
1922	41.3	+ 4.3	76	4	3.82	+0.15	6.79	1.85	8.9	10	8	5	15
1923	34.6	− 2.4	74	− 4	4.67	+1.25	7.83	1.96	1.6	10	16	6	6
1924	36.0	− 1.0	71	9	2.56	−0.85	5.10	1.43	1.8	9	8	6	14
1925	44.0	+ 7.0	78	8	5.01	+1.59	6.64	1.93	5.8	9	12	7	9
1926	41.1	+ 4.1	73	4	3.14	−0.28	5.57	1.27	1.4	10	7	7	13
1927	45.6	+ 8.6	81	15	2.68	−0.77	4.37	0.83	4.2	11	10	6	12
1928	38.1	+ 1.1	72	5	2.49	−0.94	4.16	0.88	1.7	10	11	6	11
1929	31.2	− 5.8	66	14	3.58	+0.16	6.30	1.53	12.6	9	11	4	14
1930	45.1	+ 8.1	80	− 2	3.49	+0.07	5.65	2.26	0.5	8	11	7	10
1931	41.6	+ 4.6	76	15	3.20	−0.22	5.40	1.51	0.8	8	12	4	12
1932	46.7	+ 9.7	77	15	3.26	−0.16	7.42	1.84	2.7	8	5	5	13
1933	37.5	− 0.5	76	− 9	4.59	+1.17	7.97	1.71	4.4	11	8	6	14
1934	31.8	− 5.2	73	−19	2.96	−1.12	5.14	0.55	5.6	10	7	6	15
1935	40.1	+ 3.1	73	5	2.85	−1.07	4.23	0.89	6.6	8	6	7	15
Record	36.0	.	82	−30	3.18	.....	13.97	0.62	8.7	9	10	6	15

Climatological Data for February, 1935.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Calhoun	McLean	437	31	42.6	+ 2.9	68	21†	16	27	34	1.69	−1.65	0.62	1.0	8	4	15	9	sw.	W. A. Taylor.
Earlington	Hopkins	420	45	42.9	+ 5.1	70	21	15	27	43	1.61	−2.10	0.62	0.5	8	10	6	12	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	6	.....	.....	.....	.....	.....	.....	.....	1.47	.....	0.32	T.	7	.....	.....	.....	.....	Lockmaster.
Greenville	Muhlenburg	519	18	40.8	+ 0.8	69	21	13	27	46	2.09	−1.17	0.80	0.5	7	11	11	6	s.	C. R. Lovell.
Henderson	Henderson	382	21	40.4	.....	70	21	14	27	43	1.10	−1.66	0.38	.....	5	8	10	10	w.	Richard Stites
Hopkinsville	Christian	524	39	40.8	+ 1.6	65	21†	15	27	37	2.21	−1.72	0.70	T.	8	10	7	11	se.	W. E. Graves.
Lovelaceville	Ballard	....	6	41.8	.....	71	21	15	27	43	2.75	.....	1.25	T.	6	10	8	10	n.	Blaine Malone.
Marion	Crittenden	571	36	41.0	+ 4.2	69	22	12	28	33	2.75	−0.28	1.80	0	6	9	6	13	n.	B. C. Puris.
Maynield	Graves	364	26	42.8	+ 2.8	73	19	14	27	44	1.67	−1.44	0.71	T.	5	12	8	8	n.	Mrs. C. R. Sowell.
Murray	Calloway	412	9	40.6	.....	70	21	13	27	45	2.16	.....	0.78	T.	5	10	9	9	n.	Harry B. Arnold
Owensboro	Daviess	479	38	40.0	+ 3.5	69	21	14	27	45	1.50	−1.87	0.90	T	4	13	6	9	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	7	.....	.....	.....	.....	.....	.....	.....	1.56	.....	0.74	0.7	10	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	516	18	.....	.....	.....	.....	.....	.....	.....	2.07	−1.79	0.87	T.	7	8	6	14	.....	C. J. Rhodes.
Paducah (near) §	McCracken	341	46	.....	.....	.....	.....	.....	.....	.....	2.51	−0.74	1.22	.....	4	.....	.....	.....	.....	J. W. Lilley
Princeton	Caldwell	529	25	41.6	+ 3.8	70	21	17	27	43	1.72	−2.89	0.73	T.	8	8	10	10	w.	Dr. W. L. Cash.
Russey, Lock 2 ‡	Logan	384	18	.....	.....	.....	.....	.....	.....	.....	1.36	−1.60	0.45	0.2	8	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	24	39.8	+ 1.3	69	21	15	27	37	2.59	−0.89	0.61	0	8	10	7	11	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	7	.....	.....	.....	.....	.....	.....	.....	1.85	.....	0.75	0	9	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	7	.....	.....	.....	.....	.....	.....	.....	1.65	.....	0.58	T.	8	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	34	87.2	+ 2.7	65	25	10	27	44	0.53	−2.21	0.29	T.	3	15	6	7	w.	C. E. Barret.
Barkstown	Nelson	637	38	39.4	+ 2.9	67	21	9	27	46	2.42	−1.21	0.95	0.2	6	10	10	8	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	46	42.6	+ 3.6	67	21	17	28	34	3.41	−0.51	1.00	T.	10	9	8	11	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	10	.....	.....	.....	.....	.....	.....	.....	3.29	−0.07	1.00	T.	10	.....	.....	.....	.....	Lockmaster.
Brownsville, Lock 6	Edmonson	420	18	.....	.....	.....	.....	.....	.....	.....	2.50	−1.36	0.78	0.5	8	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	773	44	.....	.....	.....	.....	.....	.....	.....	3.92	−0.84	1.18	T.	8	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	480	36	.....	.....	.....	.....	.....	.....	.....	1.04	−1.47	0.48	.....	5	.....	.....	.....	.....	Lockmaster.
Cold Spring, Dam 35	Campbell	489	9	.....	.....	.....	.....	.....	.....	.....	1.24	−1.31	0.45	0.5	8	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	540	2	38.4	.....	63	21†	8	27	39	2.75	−0.40	0.79	T.	10	5	12	11	sw.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	7	40.8	+ 3.5	64	21	12	27	41	2.37	−0.60	0.77	1.0	8	9	7	12	s.	C. W. Williams.
Eubank	Pulaski	1177	41	38.2	0.0	68	20†	5	26	41	3.20	−0.27	1.04	.....	8	17	2	9	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	43	40.1	+ 3.3	64	21	9	27	44	1.55	−1.94	0.49	0.5	8	8	4	16	w.	Lockmaster.
Franklin	Simpson	691	40	42.9	+ 3.1	69	21	15	27	36	3.38	−0.92	0.73	1.0	10	7	10	11	n.	Marcus Gatewood.
Franklin	Henry	490	24	.....	.....	.....	.....	.....	.....	.....	1.99	−0.74	0.68	0.3	8	.....	.....	.....	.....	Lockmaster.
Gest, Lock 3	Barren	780	9	41.0	.....	65	24	14	27†	40	3.04	.....	1.16	0	6	9	7	12	w.	P. L. Beatty.
Glasgow	Barren	780	10	.....	.....	.....	.....	.....	.....	.....	1.11	−1.14	0.30	T.	6	.....	.....	.....	.....	Lockmaster.
Grant, Dam 38	Boone	581	42	39.6	+ 3.3	65	21	10	27	45	3.42	−0.47	1.32	0.5	11	4	2	22	s.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	544	33	.....	.....	.....	.....	.....	.....	.....	2.52	−0.68	0.78	.....	11	.....	.....	.....	.....	Lockmaster.
High Bridge, Lock 7	Jessamine	646	37	39.7	+ 3.0	67	21	15	27	41	1.89	−1.23	0.81	T.	6	9	4	15	sw.	W. J. Piggott
Irvington	Breckinridge	1032	9	.....	.....	.....	.....	.....	.....	.....	2.91	−0.05	0.87	.....	8	.....	.....	.....	.....	Walter Killion.
Lancaster	Garrard	635	39	39.6	+ 3.2	67	21	12	27	41	2.33	−1.19	0.68	1.0	9	9	6	13	sw.	H. H. Willis.
Leitchfield	Grayson	989	51	37.4	+ 2.0	62	21	8	27	34	2.22	−1.40	0.62	0.5	10	9	7	12	sw.	U. S. Weather Bureau.
Lexington	Fayette	980	24	.....	.....	.....	.....	.....	.....	.....	2.60	−0.65	0.80	.....	6	.....	.....	.....	.....	Lockmaster.
Littlecklman, Lock 8	Jessamine	560	24	.....	.....	.....	.....	.....	.....	.....	1.57	−1.04	0.65	0.5	6	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	25	.....	.....	.....	.....	.....	.....	.....	1.36	−2.19	0.45	T.	6	11	7	10	s.	U. S. Weather Bureau.
Louisville	Jefferson	525	62	38.1	+ 0.9	65	21	15	27	38	1.93	−1.75	0.65	0.5	5	20	2	6	.....	Sisters of Loretto.
St. John	Hardin	777	39	.....	.....	.....	.....	.....	.....	.....	2.37	−0.70	0.65	T.	6	.....	.....	.....	.....	Lockmaster.
Salvisa, Lock 6	Mercer	820	21	.....	.....	.....	.....	.....	.....	.....	1.80	−1.73	0.50	0.5	12	8	4	16	s.	Miss Ruth Kidd.
Shelbyville	Shelby	825	46	38.6	+ 4.5	61	21	8	27	33	2.01	−1.48	0.58	0.1	6	.....	.....	.....	.....	Elizabeth J. Bourne.
Taylorsville	Spencer	489	33	38.7	+ 2.1	63	21	11	27	42	1.82	−1.28	0.67	.....	6	.....	.....	.....	.....	Lockmaster.
Tyrone, Lock 5	Anderson	524	17	.....	.....	.....	.....	.....	.....	.....	1.87	−1.19	0.66	1.0	9	11	5	9	w.	Miss Nettie B. Simpson.
Williamstown	Grant	943	32	38.2	+ 4.6	63	24	7	27	40	2.79	−0.66	0.66	0.6	9	.....	.....	.....	.....	Lockmaster.
Woodbury, Lock 4	Butler	504	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern Division.																				
Annville	Jackson	.....	4	.....	.....	.....	.....	.....	.....	.....	3.03	.....	1.04	0.2	8	2	17	9	sw.	W. A. Worthington.
Ashland	Boyd	534	16	40.0	+ 2.3	65	25	14	27	36	2.44	−0.46	0.75	2.0	10	7	1	20	w.	Lockmaster.
Athens	Madison	1070	30	40.6	+ 1.8	67	24	9	27	42	3.34	−0.19	1.50	0.8	9	9	6	13	sw.	Chas C. Graham.
College Hill, Lock 11	Madison	611	25	.....	.....	.....	.....	.....	.....	.....	2.61	−0.19	0.70	1.8	10	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	17	.....	.....	.....	.....	.....	.....	.....	1.69	−1.05	0.40	.....	5	.....	.....	.....	.....	P. H. Bebee.
Falmouth	Pendleton	680	46	.....	.....	.....	.....	.....	.....	.....	1.52	−1.52	0.68	0.5	8	.....	.....	.....	.....	J. Y. Oldham.
Frankfort	Boone	668	27	39.2	+ 2.3	65	24	12	27†	47	2.85	−0.19	0.76	.....	8	4	6	18	e.	Mrs. R. F. Stamper.
Hanover	Bourbon	881	19	.....	.....	.....	.....	.....	.....	.....	2.45	−0.71	0.77	.....	6	.....	.....	.....	.....	C. A. Glascock
Harrodsburg	Fleming	841	19	.....	.....	.....	.....	.....	.....	.....	2.31	−0.48	0.60	0.1	10	.....	.....	.....	.....	Lockmaster.
Hart, Lock 10	Clark	637	19	.....	.....	.....	.....	.....	.....	.....	1.65	−1.25	0.43	2.5	11	.....	.....	.....	.....	Lockmaster.
Greenup, Dam 30	Greenup	540	15	.....	.....	.....	.....	.....	.....	.....	3.67	.....	1.16	1.0	10	11	5	15	s.	W. W. Rudfield.
Harlan	Harlan	1177	7	42.4	.....	64	15†	10	28	40	3.23	−0.23	1.09	0.6	9	.....	.....	.....	.....	Chas. O. Ihrig.
Inwood	Perry	869	11	.....	.....	.....	.....	.....	.....	.....	3.51	+0.29	1.12	1.0	8	8	10	15	sw.	Lockmaster.
Jeffersonville	Lee	663	18	41.2	.....	68	21	12	28	49	4.23	+0.46	1.22	.....	8	.....	.....	.....	.....	R. R. Davidson.
Jenkins	Letcher	1566	11	.....	.....	.....	.....	.....	.....	.....	1.98	−1.15	0.65	.....	6	.....	.....	.....	.....	Lockmaster.
Louisa	Lawrence	584	31	.....	.....	.....	.....	.....	.....	.....	3.78	+0.57	1.40	.....	6	.....	.....	.....	.....	Jeanett R. White.
Manchester	Clay	.....	15	.....	.....	.....	.....	.....	.....	.....	2.18	−0.86	0.90	0.5	9	2	12	14	sw.	Lockmaster.
Maysville	Mason	524	35	38.7	+ 3.6	61	21†	11	27	41	4.20	+0.13	1.45	.....	7	6	17	5	.....	Matthew Woodson.
Middlesboro	Bell	1128	30	40.6	+ 0.8	64	15	8	28	39	1.85	−1.87	0.46	1.5	10	9	6	13	nw.	W. R. McKee.
Mount Sterling	Montgomery	930	45	37.0	+ 2.7	63	22	9	27	37	1.48	−1.15	0.80	T.	7	.....	.....	.....	.....	Lockmaster.
Oneonta, Dam 35 ¶	Campbell	497	8	.....	.....	.....	.....	.....	.....	.....	2.52	.....	0.86	.....	9	.....	.....	.....	.....	Manuel Robinson.
Paintsville	Johnson	667	1	.....	.....	.....	.....	.....	.....	.....	3.66	+0.27	0.92	0	9	.....	.....	.....	.....	Robert Regnas
Pikeville	Pike	676	29	.....	.....	.....	.....	.....	.....	.....	3.59	.....	1.47	2.8	10	7	1	20	.....	August D. Angel.
Pine Knot	Harlan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. W. Summerfield.
Pineville	Knox	1035	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breathitt	732	9	42.0	+ 2.0	71	21	12	21	59	2.45	−1.89	0.60	0.5	7	.....	.....	.....	.....	Lockmaster.
Rockcastle, Lock 12	Estill	681	17	.....	.....	.....	.....	.....	.....	.....	2.48	−0.59	0.84	T.	8	.....	.....	.....	.....	J. W. Crooke.
Rockcastle	Madison	926	44	38.3	+ 1.5	62	16	7	27	33	2.48	−0.34	0.75	.....	8	9	3	16	.....	Lockmaster.
Salyersville	Magoffin	1000	22	.....	.....	.....	.....	.....	.....	.....	2.30	−1.02	0.70	1.0	8	.....	.....	.....	.....	Lockmaster.
Vanceburg, Lock 9	Lewis	571	22	.....	.....	.....	.....	.....	.....	.....	2.26	−1.14	0.69	.....	9	.....	.....	.....	.....	G. H. Zimmerman.
Vanceburg, Dam 34	Lewis	595	20	.....	.....	.....	.....	.....	.....	.....	2.11	−0.86	0.99	2.0	8	.....	.....	.....	.....	.....
Whitesburg	Letcher	1182	10	.....	.....	.....	.....	.....	.....	.....	2.62	−1.32	1.13	.....	4	10	9	9	.....	H. E. Davis.
Williamsburg	Whitley	920	38	.....	.....	.....	.....	.....	.....	.....	3.10	+0.22	1.10	T.	8	.....	.....	.....	.....	Lockmaster.
Wilson, Lock 13	Lee	646	16	40.1	+ 3.1	73	9	5	26	49	2.35	−1.07	1.60	0.6	8	9	7	12	sw.	
State averages and extremes																				

Temperature data are taken from self-registering thermometers.

Precipitation data are taken from automatic rain gauges.

Precipitation and temperature data are computed only for such stations as have ten or more years of record, but all complete reports are published. Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River, used in this publication or in division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. † Received too late to be included in means and summaries. ‡ Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

¶ Postoffice abbreviations: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky.

Daily Precipitation for February, 1935.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Calhoun	T.	T.						.03	.62	.02			.45	.23		T	T.			F		.05			.37		.42				
Carrollton								.01	.02	.02			.48	.18		.02									.24	T						
Fords Ferry Dam 50								.01	.11	.02			.15	.46	T.		T.			T.			T			1	T	T			
Greenville								.02	.8				.65	.25		T.						T			.17	.8	.64				
Henderson									.25					.24						.11					.4	.60					
Hopkinsville								.11	.70	.01			.68	.25			T.					.12									
Lewisburg									1.20				.80	.20											4						
Marion								1.20	.6	.10			.66	.10											1						
Mayfield								.14	.71			.47	.05												5	T					
Murray	T.	T.						.10	.78				.61	.15		T	T.					T			14	T					
Owensboro								T	.30	T			.34	.16		T.						T			19	T	T				
Owensboro, Dam 46								T.	.61	.74			.18	.28	.19		T.			.02				.02	.02	.09	.6	T.			
Paducah								.04	.54	.26			.37	.12		T.	T.								.12	.12	T				
Paducah (near) ¶									1.92				.54	.66											.25						
Princeton								.08	.05				.42	.18		.01	T					.01			.27	.02	T				
Rumsey, Lock No. 2								T	.12	.15			.16	.30	.05										.25	.02					
Russellville								.08	.25	.61			.35	.28	.20										.25	.2	.02				
Uniontown, Dam 49								.06	.12	.75			.22	.45	.67		T.			.01					.12	.6	T				
Central Division																																
Addison, Dam 45								T.	.03	.58			.04	.21	.21																
Anchorage									.29				.02		T.								12			.24	.02				
Bardstown													.02												.15	T					
Bowling Green								.97					.38	.85								.12			.22	.10					
Bowling Green, No. 2								.03	1.60				.52	.75		.02	.01					.35	.16		.6	.1					
Clarksville, Lock No. 6								.03	.10	1.00			.32	.09	.15		.03						.45			.9	.61				
Burnside									.03	.18			.28	.27	.03											.52	.5				
Carrollton (Lock No. 1)								T.	.10	.50			.47	.25	.35		.09							.28			.1	T.			
Cold Spring, Dam 35										.18				.16	.14											.18					
Danville								T.	.02	.20				.10	.33		.08	T.		T.		T.					.16	.61			
Dix Dam, Burgin								T.	.20	.03			.31	.58	.07	T.	.03					.25	.10		.33	.24					
Eubank									.77			.22	.12	.41			.04					.54			.37	.10					
Frankfort										1.04			.92													.50	.80				
Franklin									T.	.49			.01	.09	.20		.01	T.					.47			.10	.60				
Gest, Lock No. 3								.55	.73	.4			.52	.61		.04						.40			.55	.25	.07				
Glasgow									.02	.41			.05	.10	.28		.04						.68			.38	.03				
Grant, Dam 38									1.16				.35	.62								.32									
Greensburg									.01	.22				.10	.39		T.	T.					.27			.18	T.				
High Bridge, Lock No. 7	.01							.01	1.82				.70	.50		.02	.02				.01	.30			.35	.22					
Irvington			T.					.04	.05	.78			.45	.26	.42		.01	.03					.24			.4	.08				
Lancaster								T.	.81				.06	.21		T.	T.					.18			.33	T					
Leitchfield	.01								.70			.18	.25	.55			.04					.28			.87	.05					
Lexington			T.				T.	.02	.03				.50	.21		.02	T.		T.			.46			.43	.05					
Little Hickman, Lock No. 8								.02	.02	.01			.16	.83		.04	.04			T.		.42			.52	.04					
Lockport, Lock No. 2								T.		.80			.20	.25	.48												.24				
Louisville								.10	.88					.16								.65			.12	.16					
St. John								T.	.45	T.			.15	.20		.01	T.					.30			.25	T					
Salvisa, Lock No 6									.85				.20	.00			T.					.38				.20					
Sanbyville								T.	.07				.20	.42	.10		T.						.60			.70	T.				
Taylorsville								T.	.50	.05		.01	.08	.21	.01	.02	.01					.37	.10		.28	.18					
Tyrone, Lock No. 5									.88				.24	.25			T.					.55			.25	.10					
Williamstown								T.	T.	.07			.06		.30		T.						.44			.30	.05				
Woodbury, Lock No. 4									.18				.08	.25		.07	.05					.26	.36		.22	.16					
Eastern Division								.01	.02	.86			.33	.40	.20								.34			.01	.03				
Annville																																
Ashland				.05		.03			.05	.95			.15	.18	.45								.10		1.04	.02					
Berea								.01	T.	.51					.50		.08	.01					.40		.75	.01					
College Hill, Lock No. 11									.65	.05			.19	.82		.01	.13					.05	.33		1.70						
Cynthiana									.02	.58			.10	.25	.65		.08	.02					.03		.25						
Falmouth										.40			T.	.25	.27		T.								.70	.04					
Farmers			T.				T.	.01	.24					.09	.24		.04	T.							T.	.26					
Flemingsburg									.76					.21	.61										.63	.16	.06				
Ford, Lock No. 10										.53															.99	.75	.10				
Grassy, Dam 30			T.				T.	.02	.54				.02	.25	.52		.02	.01							.77	.00	.16				
Harlan			T.		.02		.02	.01	.42					.04	.13		.05	.04		.01					.25	.60	.12				
Hazard									.15	.23	.04		.32	.31	.16	.15	.05									.26	T.				
Heidelberg, Lock No. 14				.03						.60			.24	.51	.47	.03										1.16	.10				
Jenkins									.13	.70			.01	.28	.81											1.07	.12				
Louisa			.16					.20	.95				.45	.55			T.						.31			1.12	.06				
Manchester									.05	.40				.12	.58							.50				1.22	.20				
Maysville									.20	.06			.23		.49											.65					
Middlesboro					T.		T.		.01	.85				.06	.53	.08	.08	T.				.60			.35	1.46					
Mount Sterling		T.						.45	.50	.24			.64	.55									.55			1.35					
Oneonta Dam 35									.09				.22	.36	.05	.11	T.			.03		1.	.26		.31	.26					
Paintsville			T.		T.				.06	.09				.05	.26		T.	T.		.61			.80			.24	T.				
Pikeville								.03	.08	.50				.12	.56						.04		.22			.6	.05				
Pine Mountain			T.	.09				T.	.72	.76	.18		.12	.18	.42								.24			.02	.12				
Pippapass									.61	.46			.34	.41		.13	.02							T	1	.47	.11	.05			
Rockcastle																																
Savanna, Lock No. 12									.4			.10	.35		.41								.30		.60		.20				
Scottsmont								T.	.58				.14	.12	.43		.06	T.					.12			.04	.09				
Valley View, Lock No. 6									.70				.15	.56	.66		.08						.30			.75	.05				
Vanceburg, Dam No. 32										.70			.15	.26	.35	.08	T.					.25			.50	.08				
Versailles					.15		.03	.38						.44	.40		.09	.01								.87					
Williamsburg		.02	T.		.01				.25	.02				.51		.20									.89					
Willow, Lock No. 18									.14	.95			.40													.59	.11				
								.08	.85				.12	.25	.48	.05	T.									1.13					
																						.38			1.10	T.					

Stations	Total
Western Division	
Calhoun	3.60
Carrollton	1.64
Fords Ferry Dam 50	1.47
Greenville	
Henderson	
Hopkinsville	
Lewisburg	
Marion	2.75
Mayfield	2.75
Murray	
Owensboro	
Owensboro, Dam 46	2.16
Paducah	1.50
Paducah (near) ¶	
Princeton	
Rumsey, Lock No. 2	2.51
Russellville	1.72
Uniontown, Dam 49	
Central Division	
Addison, Dam 45	
Anchorage	1.75
Bardstown	
Bowling Green	
Bowling Green, No. 2	2.42
Clarksville, Lock No. 6	2.41
Burnside	3.29
Carrollton (Lock No. 1)	2.59
Cold Spring, Dam 35	
Danville	
Dix Dam, Burgin	1.21
Eubank	2.73
Frankfort	2.37
Franklin	8.29
Gest, Lock No. 3	1.85
Glasgow	3.28
Grant, Dam 38	
Greensburg	3.04
High Bridge, Lock No. 7	1.11
Irvington	3.42
Lancaster	2.52
Leitchfield	1.89
Lexington	2.91
Little Hickman, Lock No. 8	2.33
Lockport, Lock No. 2	2.12
Louisville	2.56
St. John	1.57
Salvisa, Lock No 6	1.36
Sanbyville	1.59
Taylorsville	2.37
Tyrone, Lock No. 5	1.89
Williamstown	2.01
Woodbury, Lock No. 4	1.92
Eastern Division	1.97
Annville	2.79
Ashland	
Berea	3.63
College Hill, Lock No. 11	2.44
Cynthiana	3.24
Falmouth	2.61
Farmers	1.69
Flemingsburg	1.92
Ford, Lock No. 10	2.85
Grassy, Dam 30	2.45
Harlan	2.34
Hazard	1.65
Heidelberg, Lock No. 14	3.67
Jenkins	3.23
Louisa	3.54
Manchester	4.23
Maysville	1.58
Middlesboro	2.78
Mount Sterling	2.18
Oneonta Dam 35	4.20
Paintsville	1.85
Pikeville	1.48
Pine Mountain	2.62
Pippapass	3.66
Rockcastle	5.59
Savanna, Lock No. 12	
Scottsmont	2.45
Valley View, Lock No. 6	2.48
Vanceburg, Dam No. 32	2.58
Versailles	2.20
Williamsburg	2.26
Willow, Lock No. 18	2.11
	2.62
	3.10

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

(), Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Long Oak.

Daily Temperatures for February, 1935.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	48	51	48	45	55	55	46	49	40	40	45	59	57	64	62	54	37	55	54	48	68	68	48	63	62	39	28	48	..	..	..	51.6
	Minimum	25	33	36	32	31	26	25	43	39	32	30	27	45	50	48	34	31	31	31	32	28	38	30	32	28	23	16	20	..	..	..	32.5
Earlington	Maximum	52	49	48	44	60	53	53	49	49	40	41	57	55	64	63	53	37	54	51	45	70	68	48	68	61	30	29	48	..	..	..	51.2
	Minimum	30	35	36	34	31	28	27	44	43	32	30	26	45	51	49	32	32	32	32	35	31	27	29	31	35	23	22	16	23	..	..	34.6
Greenville	Maximum	50	51	49	45	60	57	55	51	47	42	41	57	56	63	61	52	38	51	53	49	69	65	45	62	60	33	28	47	..	..	..	51.5
	Minimum	30	30	32	30	27	26	24	43	40	30	24	25	43	47	45	28	28	28	28	32	28	28	28	26	32	23	18	15	..	..	..	30.1
Henderson	Maximum	48	51	46	45	59	42	42	48	45	36	44	55	54	65	59	52	36	55	51	43	70	69	49	62	56	28	31	41	..	..	..	49.9
	Minimum	34	32	34	31	30	22	25	36	36	30	29	27	42	49	46	34	30	31	30	30	27	35	29	31	26	21	14	20	..	..	..	30.8
Hopkinsville	Maximum	53	50	44	43	53	54	54	51	47	41	41	56	55	60	61	54	36	51	51	47	65	65	46	60	60	25	31	45	..	..	..	50.0
	Minimum	29	33	31	32	29	29	26	42	41	31	28	29	45	49	47	33	30	28	31	31	28	28	29	30	31	22	15	17	..	..	..	31.6
Lovelaceville	Maximum	51	50	51	48	60	55	53	50	45	40	41	55	55	66	64	55	40	55	55	51	71	67	51	68	61	33	33	49	..	..	..	52.6
	Minimum	32	29	29	34	30	30	29	45	40	31	25	27	45	48	47	30	30	27	32	30	28	28	30	29	32	21	15	19	..	..	..	31.0
Marion	Maximum	55	49	49	48	60	46	54	50	48	40	43	59	55	67	64	53	39	55	60	55	66	65	49	64	60	34	29	48	..	..	..	52.8
	Minimum	30	33	31	33	28	29	27	45	39	30	29	25	44	49	46	34	29	30	32	31	31	31	29	34	30	20	16	12	..	..	..	32.3
Mayfield	Maximum	57	49	50	45	61	58	56	54	50	40	39	41	56	65	65	62	51	59	54	53	68	66	48	62	59	28	32	46	..	..	..	52.8
	Minimum	36	34	33	33	31	31	30	45	37	32	28	29	47	49	47	36	30	30	29	32	32	32	28	31	33	25	22	14	21	..	..	32.7
Murray	Maximum	58	45	47	47	60	51	60	50	51	39	43	58	56	67	66	44	38	56	54	49	70	68	51	65	59	30	31	50	..	..	..	51.8
	Minimum	33	29	27	30	25	31	26	48	35	30	26	26	45	47	46	30	28	27	26	30	25	26	30	27	27	20	13	15	..	..	..	20.4
Owensboro	Maximum	46	47	49	42	58	54	44	48	47	39	47	55	55	63	59	51	38	54	50	45	69	63	47	62	56	35	26	47	..	..	..	50.6
	Minimum	36	30	34	29	26	22	22	37	36	29	25	26	41	47	42	31	27	29	30	27	24	35	28	29	28	20	14	16	..	..	..	29.4
Princeton	Maximum	55	49	49	48	60	46	54	50	48	40	43	59	55	67	64	53	37	55	51	46	70	68	51	66	59	29	29	48	..	..	..	51.6
	Minimum	30	33	31	33	28	29	27	45	39	31	30	29	45	50	47	32	30	29	31	29	27	36	30	30	29	21	17	18	..	..	..	31.6
Russellville§§	Maximum	62	42	49	44	59	42	53	49	49	36	44	55	58	59	62	44	37	58	51	45	69	61	47	62	58	25	27	47	..	..	..	49.2
	Minimum	28	32	32	30	28	28	25	20	42	33	29	25	30	49	45	31	30	29	34	32	25	32	29	30	38	22	15	16	..	..	..	30.1
Central Division.																																	
Anchorage	Maximum	40	46	46	38	56	44	43	47	45	42	47	56	57	59	57	45	35	51	48	40	68	59	48	62	65	32	33	44	..	..	..	48.1
	Minimum	20	28	29	22	24	16	20	35	35	28	22	26	38	38	36	29	26	30	26	25	19	33	27	27	32	16	10	14	..	..	..	26.2
Bardstown	Maximum	48	47	46	40	59	57	47	47	41	41	42	58	56	57	61	56	40	53	50	39	67	64	48	66	60	41	28	47	..	..	..	49.5
	Minimum	30	28	32	29	23	18	29	40	32	31	28	23	41	42	45	28	29	28	31	27	27	30	28	27	26	20	14	16	..	..	..	29.2
Bowling Green	Maximum	49	48	49	45	59	52	52	53	49	48	45	58	59	62	62	56	39	54	48	47	69	66	49	64	65	33	33	46	..	..	..	52.0
	Minimum	32	34	34	32	28	24	26	43	40	35	31	28	43	43	45	33	32	31	32	32	27	40	31	32	32	24	20	17	..	..	..	33.2
Danville	Maximum	41	40	45	38	56	49	48	48	48	45	42	60	57	65	56	62	53	58	51	48	63	62	48	63	56	42	25	43	..	..	..	48.5
	Minimum	25	30	33	28	24	18	20	38	40	29	26	28	39	49	47	33	29	28	32	28	21	25	26	24	30	18	8	12	..	..	..	29.4
Dix Dam	Maximum	45	46	43	42	56	51	49	50	48	44	41	60	56	67	61	58	40	51	50	47	64	63	54	67	57	31	32	42	..	..	..	50.7
	Minimum	28	32	28	30	27	29	23	39	41	34	27	25	40	50	46	30	28	27	28	24	29	27	24	29	27	24	22	12	16	..	..	30.9
Eubank	Maximum	45	48	45	41	49	44	49	42	48	39	43	56	56	63	60	52	48	55	48	51	66	60	50	62	59	44	41	39	..	..	..	†48.0
	Minimum	25	27	25	26	21	20	21	39	43	26	31	26	36	31	29	28	26	27	28	41	36	33	21	28	26	5	12	..	..	..	..	†27.5
Frankfort	Maximum	43	47	46	41	57	53	49	50	48	44	41	57	55	57	62	56	47	52	51	45	64	62	50	62	61	45	28	44	..	..	..	50.6
	Minimum	26	29	33	30	27	16	21	34	40	30	26	28	34	49	48	27	30	30	34	31	30	40	28	25	41	21	9	15	..	..	..	29.6
Frankfort	Maximum	54	47	49	45	62	56	52	51	49	49	46	58	57	58	64	57	50	55	54	50	70	69	53	68	64	36	29	48	..	..	..	52.7
	Minimum	30	30	35	31	31	29	25	46	42	34	31	29	46	53	46	30	30	29	34	32	30	41	30	28	39	29	23	15	17	..	..	33.1
Franklin	Maximum	51	44	48	44	59	45	55	56	47	47	44	62	58	68	62	56	39	53	52	46	63	60	45	65	55	36	28	45	..	..	..	50.9
	Minimum	30	29	34	31	26	26	24	42	46	34	31	29	44	52	47	31	30	28	27	28	25	39	28	28	28	22	14	14	..	..	..	30.3
Glasgow	Maximum	45	45	48	43	57	50	53	51	48	47	44	60	57	67	58	57	41	52	48	45	65	61	56	62	62	44	26	46	..	..	..	28.8
	Minimum	26	26	31	29	22	22	20	40	44	32	28	23	42	50	46	28	29	27	29	28	26	32	27	25	41	20	16	13	..	..	..	48.3
Greensburg	Maximum	44	48	44	38	57	49	46	47	47	39	41	57	56	60	58	56	38	53	48	42	67	63	46	61	56	30	27	44	..	..	..	31.1
	Minimum	33	33	34	30	29	23	21	39	39	32	29	26	41	42	47	32	30	30	33	32	26	40	28	32	30	21	15	18	..	..	..	48.5
Irvington	Maximum	46	45	46	41	58	51	47	45	45	41	40	57	56	58	59	51	38	52	48	44	67	61	45	61	56	31	26	44	..	..	..	30.8
	Minimum	32	32	34	30	28	24	23	41	41	32	27	26	41	51	45	34	29	29	32	30	26	38	27	30	31	22	12	15	..	..	..	46.5
Leitchfield	Maximum	41	42	43	31	54	30	49	48	45	41	41	56	55	65	59	44	31	49	48	38	62	61	45	61	58	35	24	41	..	..	..	29.2
	Minimum	26	31	35	28	26	15	26	40	39	30	25	24	40	50	44	29	28	28	33	26	22	40	26	27	26	18	8	14	..	..	..	46.5
Lexington	Maximum	42	46	44	36	56	39	42	48	46	40	41	54	56	66	62	52	34	52	47	39	65	60	44	62	58	26	28	44	..	..	..	29.9
	Minimum	32	31	32	29	25	18	21	38	34	29	27	26	39	52	42	34	29	31	34	32	27	31	27	32	26	21	15	19	..	..	..	
Louisville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. John	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Shelbyville	Maximum	39	46	41	39	57	47	45	47	46	41	41	56	54	55	59	52	35	50	49	42	61	59	47	60	58	33	21	43	..	..	..	47.6
	Minimum	29	31	31	28	25	15	20	37	37	30	25	24	38	48	44	31	28	29	30	29	22	47	21	27	41	19	8	14	..	..	..	29.1
Taylorsville	Maximum	41	43	44	39	56	51	46	49	47	..	..	54	55	58	59	49	37	51	..	45	65	60	46	60	58	32	25	..	..	..	..	†48.7
	Minimum	27	27	33	29	24	18	21	35	38	25	..	..	38	50	46	28	29	30	..	30	21	39	27	26	32	19	11	15	..	..	..	†28.7
Williamstown	Maximum	41	45	41	37	50	46	43	49	45	41	47	56	55	65	58	54	37	52	49	42	61	59	46	65	58	28	28	44	..	..	..	48.2
	Minimum	21	31	31	27	27	12	19	33	36	28	25	32	33	51	46	33	27	27	29	29	21	38	24	27	44	21	7	14	..	..	..	28.3
Eastern Division.																																	
Ashland	Maximum	46	55	53	48	46	45	46	52	51	41	41	54	58	54	64	57	40	56	46	46	57	56	45	58	65	59	28	43	..	..	..	50.1
	Minimum	25	36	38	30	30	19	24	32	36	27	25	23	25	47	51	32	32	34	36	29	21	41	28	24	44	32	24	11	16	..	..	29.9
Beaver	Maximum	43	45	46	45	56	52	50	51	50	49	49	58	58	62	65	46	46	50	52	49	63	59	49	62	62	45	32	48	..	..	..	50.7
	Minimum	24	34	28	26	25	18	23	25	33	30	27	26	39	42	45	30	27	29	33	30	27	33	29	29	43	30	22	9	14	..	..	30.4
Farmers	Maximum	57	51	46	..	45	49	51	52	49	44	44	54	60	65	59	49	41	54	50	46	61	64	52	65	63	54	25	48	..	..	..	†52.1
	Minimum	33	26	35	..	24	18	21	32	42	31	31	31	31	36	35	31	26	29	28	33	26	29	28	33	28	15	12	20	20	12	..	†29.4
Harlan§§	Maximum	52	58	45	38	52	55	51	53	53	44	51	62	58	59	64	54	51	56	52	50	60	59	50	62	59	33	31	48	..	..	..	52.8
	Minimum	22	28	33	20	21	21	20	32	32	28	26	29	30	36	46	45	24	24	26	34	26	30	29	30	22	13	13	16	..	..	..	33.1
Heidelberg	Maximum	47	57	54	41	55	51	47	52	49	47	43	60	58	65	62	54	45	51	50	46	68	63	48	63	58	34	28	43	..	..	..	52.4
	Minimum	20	31	31	31	22	20	27	35	44	36	28	25	38	41	50	34	33	32	35	28	19	31	30	30	30	27	15	12	..	..	..	30.2
Mayesville	Maximum	39	42	50	36	48	43	42	52	49	41	43	55	56	66	56	46	39	50	46	40	63	58	48	63	58	33	26	42	..	..	..	49.2
	Minimum	17	28	35	26	35	14	25	32	38	29	29	20	18	32	50	45	27	28	36	24	20	17	25	25	23	16	11	15	..	..	..	28.0
Middlesboro	Maximum	48	55	53	48	50	50	46	49	49	50	50	56	56	64	61	51	51	54	48	50	59	59	50	59	57	29	31	46	..	..	..	52.0
	Minimum	20	29	28	28	17	28	23	36	39	36	27	25	38	47	42	35	26	28	36	29	25	27	27	27	27	21	12	8	..	..	..	29.1
Mount Sterling	Maximum	49	44	50	46	52	51	47	51	47	41	40	54	55	59	57	47	35	48	47	35	51	48	50	60	59	42	24	38	..	..	..	46.5
	Minimum	21	29	34	26	23	15	21	36	38	26	24	24	33	50	42	30	22	28	31	25	18	31	26	23	34	18	9	12	..	..	..	27.5
Paintsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum	49	57	56	43	56	56	52	55	53	47	51	58	61	64	62	52	37	55	53	47	61	58	50	60	58	35	28	45	..	..	..	52.2
	Minimum	16	29	36	25	22	24	25	34	43	34	29	22	30	46	50	34	31	26	35	28	12	27	19	27	32	14	11	15	..	..	..	27.2
Richmond	Maximum	46	42	45	31	56	54	55	48	50	47	39	44	60	66	55	42	45	50	46	39	66	60	48	67	62	37	25	46	..	..	..	50.4
	Minimum	26	34	34	26	24	18	22	42	45	33	30	25	36	45	46	32	30	28	32	29	24	32	27	25	36	22	7	9	..	..	..	
Williamsburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	24	33	36	28	24	24	22	42	46	37	32	28	42	49	45	32	32	31	33	32	27	..	..	..	..	..	..	..	..	..	..	.....

§§ Observers are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
* * etc. indicate respectively 1, 2, 3 etc. days missing from record.
† 9 to 11 days missing.

1.63
MKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

THE LIBRARY OF THE
JUL - 2 1935
UNIVERSITY OF ILLINOIS

J. L. KENDALL.

VOL. XL. LOUISVILLE, KY., MARCH, 1935 NO. 3

GENERAL SUMMARY.

The abnormally warm weather that prevailed during the month caused vigorous growth to start unusually early and to continue steadily. Pastures on the warmer soils soon reached grazing condition. Although winter grains started rather small, in many instances they grew so rank as to make pasturing advisable to prevent early jointing. Clover and alfalfa advanced rapidly and seemed to be in almost perfect condition. Peaches, pears, plums and cherries began to bloom in the western counties near the middle of the month. In the decade of high temperature that followed they bloomed on the northern and eastern uplands. The prospect for fruit presented by the blossoming trees was exceptionally fine, but the premature development rendered them especially vulnerable to possible late freezes.

During the dry and warm weather of the first decade practically all of the remaining tobacco plantbeds were sown. In the southern counties plants began to come up in the third week, and were coming up generally toward the end. Plowing, seeding, and early garden preparations moved forward rapidly until the heavy rains of the 10th, which were the first to stop such work for any considerable length of time. These rains were also the first to penetrate deeply into the subsoil of the northern counties, and were therefore of the greatest possible value in providing a reservoir of summer moisture. After this frequent rains almost entirely prevented working the soil. Some potatoes were planted early in the month, and near the middle, but most of this work remained uncompleted at the end. Because of the large amount of winter plowing, the interference with that work was not serious. The long moist period favored the completion of delayed tobacco stripping and marketing. At the close of the month vegetation seemed to be from ten days to two weeks ahead of its average seasonal condition.

TEMPERATURE.

In the first week and the last decade temperatures averaged from 8° to 25° above normal on most days. The average daily excess at the various stations was 7° to 10°. Only a few days were colder than normal. Maxima above 80° were registered frequently in the warm periods, while minima above freezing were the rule in the last half of the month. Extremes of 86° at Princeton and 20° at Quicksand were reported.

PRECIPITATION.

Precipitation averaged more than twice the normal amount. In the extreme northern counties from Jefferson eastward it ranged from 5.0 to 7.0 inches. There was a fairly regular increase southward to 11.0 inches or more near the boundary. Westward it increased to 13.0 inches in the valley of the lower Green, and to more than 14 inches in a limited area east of the lower Cumberland. Most of the western division received about three times the average March precipitation. Light to moderate showers occurred from the 5th to 7th. There were heavy to excessive rains in all districts in the periods 10-12th and 20th-21st. Many torrential rain-concentrations reported heavy rains from the 20th to 22d. Outward over-flow of creeks and rivers was recorded in some part of the state. Because of the limited accommodations for most of the rainfall and its small distribution in time, a large percentage entered into the ground and subsoil. Total soil, 1-2 ft. state investigation, varied between 4.3 in. in Bracken County and 14.6 inches at Princeton. The snowfall, on 11 days, was only 1.3 inches, in northeastern counties. Days with 0.01 inch or more: 6, 10, 20, 21, 23, 24, 25, 26, 27, 28, 31. The two corrected and flooded Ohio River gauges were:

MISCELLANEOUS.

March 5.—An unusually dense dust storm [illegible] several hours the sun failed to cast shadows through the dust and smoke. The [illegible] and Green were obscured from the spectators.

March 29.—Local floods caused heavy [illegible] damage in the Cumberland Country. One man was [illegible] injured. Severe [illegible] blossoming fruit trees damaged by severe [illegible] conditions.—A man was [illegible] by flying [illegible] near Princeton.

Tornadoes.—The heavy rains of the 10th and 11th [illegible] The cold spell was most extensive and relatively [illegible] western Arkansas, where crests exceeded the flood [illegible] the upper and middle sections of the Ohio [illegible] Wabash [illegible] rise brought flood stages to the lower Ohio from the 20th to the [illegible] crest stages were slightly exceeded in the upper Cumberland and in the Barren, and in the middle and lower Kentucky. The lower Ohio remained above flood stage from the 12th till the end of the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations		Atmospheric pressure reduced to sea level: Mean.	Highest.	Date.	Lowest.	Date.	Wind: Av. hourly velocity	Maximum velocity.	Direction.	Relative humidity: Date.	7 a. m.	1 p. m.	7 p. m.	Percentage of sunshine.
Cairo	Ill.	30.01	30.47	8	29.45	25	11.3	33	n.	11	83	78	66	53
Cincinnati	Ohio	30.03	30.53	8	29.56	25	9.5	28	w.	16	76	54	64	47
Evansville	Ind.	30.02	30.50	8	29.54	25	11.5	30	s.	16	79	60	68	54
Louisville	Ky.	30.01	30.52	8	29.51	25	12.0	37	w.	16	74	51	65	49

COMPARATIVE DATA FOR MARCH.

Year.	Temperature: Mean.	Departure.	Highest.	Lowest.	Precipitation: Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days: Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889	40.5	− 5.7	84	18	1.52	−3.19	4.30	0.51	...	..	..	..	..
1880	41.2	− 5.0	78	4	8.34	+3.63	17.58	4.47	...	..	..	..	..
1890	41.8	− 4.4	81	9	6.08	+3.50	9.75	6.58	...	..	..	..	..
1892	40.6	− 5.6	82	7	4.08	−0.68	5.75	2.47	...	..	..	..	..
1893	45.0	− 1.2	89	5	2.76	−1.95	5.59	1.01	...	..	..	..	..
1894	50.8	+ 4.6	85	16	2.72	−1.99	5.85	1.13	...	..	..	..	..
1895	45.0	− 1.2	85	15	8.17	+1.33	5.81	1.16	...	..	13	7	10
1896	51.1	+ 5.1	87	8	6.10	+1.45	9.90	3.80	...	12	6	9	13
1897	49.6	+ 3.4	86	20	7.94	+3.28	12.57	4.48	6.2	11	8	9	14
1898	50.7	+ 4.5	82	26	7.59	+2.88	10.83	2.76	1.6	14	8	9	14
1899	48.0	+ 2.8	80	3	8.10	+3.38	12.86	5.36	2.4	15	8	10	13
1900	43.8	− 3.4	81	− 3	2.58	−2.13	5.14	1.11	5.6	9	14	8	9
1901	46.4	+ 0.2	87	13	3.50	−1.26	5.98	1.59	1.5	9	7	7	17
1902	47.2	+ 1.1	82	7	4.44	−0.27	9.78	1.26	6.1	13	10	6	12
1903	52.5	+ 6.3	88	19	4.43	−0.28	6.83	2.35	T.	12	9	7	15
1904	47.7	+ 1.5	88	12	6.26	+1.55	8.90	3.75	0.5	12	8	8	15
1905	52.2	+ 6.0	86	22	4.46	−0.26	6.86	1.55	2.1	9	15	6	10
1906	56.2	+ 10.0	79	24	6.37	+1.86	9.10	2.62	2.0	17	6	8	20
1907	54.9	+ 8.7	92	18	2.25	−2.45	7.11	2.70	0.6	10	13	6	12
1908	51.8	+ 5.6	88	19	5.42	+0.71	8.56	2.80	0.7	13	10	7	14
1909	44.8	− 1.4	74	17	5.14	+0.43	8.33	3.22	T.	11	11	7	13
1910	55.0	+ 8.8	91	11	0.79	−3.76	3.85	T.	0.8	3	18	7	6
1911	46.0	− 0.2	87	7	2.97	−2.14	6.00	0.24	0.6	9	14	8	12
1912	51.2	+ 4.9	88	16	6.22	+1.51	8.69	4.26	2.6	17	9	5	17
1913	48.5	+ 0.8	85	9	7.22	+2.51	9.70	3.89	6.5	1	12	8	11
1914	41.8	− 5.4	78	2	3.62	−1.09	5.86	2.14	6.4	13	10	6	15
1915	37.8	− 8.4	65	11	2.11	−2.60	3.50	1.15	5.6	8	12	8	11
1916	43.5	− 2.7	84	4	2.93	−1.82	5.85	1.80	3.7	10	8	8	15
1917	45.9	− 0.3	84	0	6.52	+1.81	13.39	2.60	8.1	14	15	7	9
1918	51.6	+ 5.4	85	17	1.97	−2.74	4.23	0.28	T.	8	15	7	9
1919	47.6	+ 1.4	81	16	5.65	+0.94	9.61	2.43	T.	9	15	6	10
1920	46.3	+ 0.1	88	4	4.83	+0.14	7.40	3.35	0.6	16	15	6	10
1921	50.7	+ 4.5	85	18	5.75	+1.04	8.60	2.95	2.7	12	11	9	9
1922	49.4	+ 3.2	88	17	8.11	+3.40	12.66	5.04	3.5	14	9	6	16
1923	45.6	− 0.6	80	8	5.21	+0.50	8.62	2.75	T.	9	13	9	9
1924	41.5	− 4.7	81	14	3.05	−1.66	5.34	1.82	1.5	9	9	8	14
1925	49.2	+ 3.0	84	4	3.59	−1.12	6.19	1.48	0.4	9	16	7	8
1926	49.2	+ 3.0	84	4	3.80	−1.01	7.58	1.86	2.3	11	12	6	13
1927	48.4	+ 2.2	82	10	5.64	+1.33	12.71	2.60	3.5	11	12	7	12
1928	45.6	− 0.6	85	22	2.64	−2.07	5.40	0.98	2.7	8	12	8	11
1929	50.2	+ 3.9	91	2	4.37	−0.84	10.20	2.34	1.3	10	13	8	10
1930	45.5	− 0.8	76	25	2.17	−2.51	4.25	0.80	2.1	7	16	8	7
1931	45.1	− 1.2	76	24	3.61	−1.07	5.75	2.13	1.6	11	9	7	15
1932	45.3	− 1.0	79	3	4.17	−0.51	6.61	2.45	1.1	12	11	7	13
1933	45.5	− 0.8	80	8	4.10	−0.58	7.15	1.60	2.1	15	11	5	15
1934	46.3	+ 0.2	86	21	3.61	−1.07	6.41	2.45	1.1	12	11	7	13
1935	44.6	+ 8.4	86	20	7.16	+2.48	11.61	3.08	1.3	11	9	11	11
Total	1479.6	...	2564	594	177.58	−7.51	17.58	T.	1.3	331	352	212	352
Mean	47.7	− 0.2	82.7	19.2	5.73	−0.24	9.75	1.80	5.7	10.7	11.4	6.8	11.4

Climatological Data for March, 1935.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Calhoun	McLean	437	31	56.4	+ 8.0	82	23	29	9	84	13.18	+8.65	4.00	0	16	3	18	10	sw.	W. A. Taylor.
Earlington	Hopkins	420	45	57.3	+ 9.9	83	23	30	8†	34	14.05	+9.25	5.10	0	17	10	8	13	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	6								10.10	..	3.20	0	14					Lockmaster.
Greenville	Muhlenburg	519	18	55.2	+ 7.9	83ª	23	25ª	14	35ª	12.20	+7.28	2.65	0	14	14	15	2	s.	C. R. Lovell.
Henderson	Henderson	382	21	53.6		81	23	28	14	30	11.60	+6.52	6.33	0	12	6	9	16	w.	Richard Stites
Hopkinsville	Christian	524	39	54.8	+ 6.0	83	25	29	8†	35	9.41	+4.48	1.85	0	15	13	2	16	se.	W. E. Graves.
Lovelaceville	Ballard		6	55.6		82ª	23	28ª	7	35ª	13.29		3.15	0	14	11	12	8	s.	Blaine Malone.
Marion	Crittenden	571	36	55.7	+ 7.6	82	24	26	8	37	12.95	+8.52	3.80	0	12	10	7	14	s.	B. C. Paris.
Mayfield	Graves	364	26	56.3	+ 6.6	83	23	27	8	34	12.23	+7.59	2.53	0	12	8	16	7	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	9	55.8		84	23	25	8	37	11.00		3.05	0	14	9	12	10	s.	Harry B. Arnold
Owensboro	Daviess	479	38	53.6	+ 7.1	79	20†	27	8†	35	10.56	+6.09	3.95	0	18	8	9	14	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	7								10.20		3.33	0	15					Lockmaster.
Paducah	McCracken	516	18								13.79	+9.28	4.30	0	16	9	4	18		C. J. Rhodes.
Paducah, (near)§	McCracken	341	46								13.62	+8.62	4.72	0	12					J. W. Lilley
Princeton	Caldwell	529	28	55.9	+ 8.2	86	22	28	8	34	14.65	+9.76	5.13	0	16	8	12	11	s.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	384	18								13.13	+8.60	4.16	0	14					Lockmaster.
Russellville	Logan	590	24	54.0	+ 6.9	84	23	25	1	38	9.02	+4.25	2.48	0	16	9	4	18	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	7								10.08		3.81	0	14					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	7								9.64		3.10	0	15					Lockmaster.
Anchorage	Jefferson	700	34	51.9	+ 7.6	76	20	26	13†	36	5.70	+1.60	1.98	1.0	9	17	5	9	se.	C. E. Barret.
Bardstown	Nelson	637	35	55.2	+ 8.7	80	20	26	9†	40	8.30	+3.93	2.80	0	13	10	8	13	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	46	56.2	+ 7.8	83	23	28	9	38	10.72	+5.63	1.65	0	16	12	9	10	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	10								10.67	+6.49	2.65	0	14					Lockmaster.
Brownsville, Lock 6†	Edmonson	410	18								10.24	+4.72	2.35	0	14					Lockmaster.
Burnside	Pulaski	773	44								11.62	+5.44	2.05	2.0	15					T. A. Lewis
Carrollton, Lock 1	Carroll	480	36								7.25	+3.66	2.56	0	9					Lockmaster.
Cold Sprng, Dam 36	Campbell	489	9								5.36	+2.01	1.42	0	13					Lockmaster.
Danville	Boyle	540	2	53.1		79	23	26	9†	38	11.20	+7.29	2.87	T.	17	4	8	19	s.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	7	54.7		77	20†	29	9†	35	7.91	+4.21	2.60	0	13	8	8	15	s.	C. W. Williams.
Eubank	Pulaski	1177	41	55.4	+ 9.7	85	23	25	1	39	10.42	+5.65	3.40	0	8	12	5	14	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	43	54.2	+ 8.1	77	20†	27	18	36	7.56	+3.20	2.12	0	14	11	7	13	sw.	Lockmaster.
Franklin	Simpson	691	40	56.4	+ 7.3	85	23	28	13	34	9.99	−5.02	2.15	0	17	10	10	11	s.	Mayeus Gatewood.
Gest, Lock 3	Henry	490	24								7.18	+3.11	2.05	1.0	15					Lockmaster.
Glasgow	Barren	780	9	56.0	+ 8.8	77	20	27	13	35	12.78		1.75	0	14	16	5	10	e.	P. L. Beatty.
Grant, Dam 38	Boone	780	10								4.93	+1.91	1.68	0	13					Lockmaster.
Greensburg	Green	581	42	54.2	+ 8.1	82	23	26	18	38	10.13	+6.06	2.36	T.	20	3	0	28	s.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	544	33								7.56	+3.70	2.32	0	16					Lockmaster.
Irvington	Breckinridge	646	37	54.7	+ 7.9	79	20	29	13	32	9.80	+4.76	3.37	T.	11	10	7	14	sw.	W. J. Piggott
Lancaster	Garrard	1032	9								11.37	+7.24	3.25	0	15					Walter Killion.
Leitchfield	Grayson	635	39	54.2	+ 8.1	80	23	28	13†	33	12.03	+7.44	3.08	0	14	8	11	12	sw.	H. H. Willis.
Lexington	Fayette	989	61	52.0	+ 8.3	77	23	25	9	40	7.44	+3.12	2.52	0.7	20	10	8	13	se.	U. S. Weather Bureau
Little Hickman, Lock 8¶	Jessamine	560	24								10.30	+5.37	3.00	0	13					Lockmaster.
Lockport, Lock 2	Henry	485	25								7.43	+3.42	2.35	0	10					Lockmaster.
LOUISVILLE	Jefferson	525	62	52.6	+ 7.2	77	20	29	9	31	7.26	+2.87	3.14	T	14	10	3	18	s.	U. S. Weather Bureau.
St. John	Hardin	777	39	53.0	+ 8.1	78	23†	26	13	31	9.28	+4.46	2.75	T.	14	12	9	10	....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	21								8.41	+4.67	2.60	0	13					Lockmaster.
Shelbyville	Shelby	825	46	52.4	+ 7.8	76	20	26	9	35	8.77	+4.07	3.65	0.5	18	7	3	21	se.	Miss Ruthlatta.
Taylorsville	Spencer	489	38	53.2	+ 7.6	77	20†	27ª	18	32ª	6.00	+3.86	1.90	T.	13	14	8	9	.....	Elizabeth J. Bourne.
Tyrone, Lock 5¶	Anderson	524	17								8.20	+4.55	2.50	0	11					Lockmaster.
Williamstown	Grant	943	32	52.6	+ 8.9	78	27	24	9	37	8.23	+4.15	2.55	6	15	15	3	13	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	18								12.07	+7.76	2.74	0	15					Lockmaster.
Eastern Division.																				
Annville	Jackson		4								7.79		2.06	0	15	10	6	15	sw.	W. A. Worthington.
Ashland	Boyd	534	16	53.2	+ 6.7	80	16	26	9†	35	6.38	+2.24	1.68	T.	16	7	9	15	nw.	Lockmaster.
Berea	Madison	1070	30	55.1	+ 9.5	83	21	26	13	42	10.35	+5.59	2.09	0.8	18	11	5	15	sw.	Chas C. Graham.
College Hill, Lock 11	Madison	611	25								8.93	+4.87	2.35	0.5	16					Lockmaster.
Cynthiana	Harrison	684	17								7.56	+3.64	2.00	T.	11					P. H. Archer.
Falmouth	Pendleton	600	46								6.88	+2.83	2.21	T.	15					J. V. Oldham.
Farmers	Rowan	668	27								10.06	+5.67	2.70	0	10					Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	10								8.81	+4.52	1.90	0	13					C. A. Glascock
Ford, Lock 10¶	Clark	637	19								7.83	+3.95	2.23	0	17					Lockmaster.
Greenup, Dam 30	Greenup	540	15								5.70	+2.02	1.38	0	14					Lockmaster.
Harlan	Harlan	1197	7	53.6		80	23	21	1	38	12.50		2.20	0	17	11	5	15	s.	W. W. Duffield.
Hazard	Perry	869	11								8.56	+4.36	2.10	1.5	16					Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	663	18	53.5		80	23	24	1	46	8.91	+4.20	2.48	T.	15	8	5	18	sw.	Lockmaster.
Jenkins	Letcher	1566	11								8.66	+4.34	1.87	9	13					Jeanett H. White.
Louisa	Lawrence	584	31								8.33	+4.26	1.90	0	13					R. R Davidson.
Manchester	Clay		15								9.20	+4.61	2.49	0	11					Lockmaster.
Maysville	Mason	524	38	52.6	+ 8.3	77	27	23	18	37	6.14	+1.84	2.00	T.	14	4	8	19	e.	Jeanett H. White.
Middlesboro	Bell	1128	39	53.6	+ 5.7	85	23	22	13	38	11.29	+5.88	2.30	0	15	13	14	4	.....	Lockmaster.
Mount Sterling	Montgomery	930	45	51.9	+ 8.1	80	27	23	13	38	8.98	+3.97	2.00	T.	13	16	3	12	nw.	Matthew Woodson
Oneonta, Dam 35¶	Campbell	497	8								5.54	+1.73	1.84	0	13					W. R McKee.
Paintsville	Johnson	567	1								11.01		2.00	3.0	16					Lockmaster.
Pikeville	Pike	636	29								9.52	+5.25	2.76	0	17					Manuel Robinson.
Pine Mountain	Harlan										9.62		2.20	3.0	19	10	4	17	.....	Robert Repass
Pippapass	Knott	1035	1	55.7		79c	16†	24c	13	43c				3.5	14	8	3	20	.....	August D. Angel.
Quicksand	Breathitt	732	9	59.6		83	16	20	1	47	10.02	+4.61	2.78	2.0	13					P. W. Summerfield.
Ravenna, Lock 12	Estill	631	17								8.31	+4.35	2.14	T.	13					R. W. Jones.
Richmond	Madison	926	44	54.2	+ 8.0	83	23	26	13†	40	10.35	+5.96	2.65	T.	16	12	2	17	.....	Lockmaster.
Valley View, Lock 9	Madison	571	22								6.91	+2.84	2.50	T.	13					J. W. Crooke.
Vanceburg, Dam 32	Lewis	525	20								6.03	+1.40	1.86	0	14					Lockmaster.
Whitesburg	Letcher	1142	10																	G. B. Zimmerman.
Williamsburg	Whitley	939	38	57.3	10.3	82b	27	23b	13	41b	10.93	+6.07	2.18	0	14	10	11	10	.....	H. P. Davis.
Willow Lock 13	Lee	646	16								9.35	+5.05	2.50	0	16					Lockmaster.
State averages and extremes				54.6	+ 8.4	86	22	20	1	47	9.56	+4.85	6.33	0.3	14	9	8	14	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, ª, ᵇ, ᶜ, appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. ** Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow §Lone Oak

¶Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky.

Daily Precipitation for March, 1935.

Stations	Day of month																													Total for month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Calhoun					.49	.06	.03			1.07	4.00	.70	.06			T	.62	.07		.12	.07		T	T	1.60	.02	.65				5.43	15 18
Carlington					.63		.10			2.05	5.10	.76	.02					.06	.08	.02	.48	.02		.18	1.88		.48	.04			5.51	14 06
Fords Ferry Dam 50					.71		.07			.25	3.20	1.75	T.	T.			.60		T.	.07	.12	.02	T.	.41	.10	1.21		.15			4.14	10 19
Greenville										2.20	2.50	.95					.35		.20	.20	.25			.25	.07	.55	.60	.12			5.24	12 20
Henderson							.53			1.04	6.33		.07				.65		.03	.33				.13	.80		.21				3.55	11 60
Hopkinsville					.43		.12			1.85	3.80	1.21	T.				.45		.28	.11	.03	.16		.19	.63		T	.05			6.99	11 42
Lowellsville				1.05	.16					3.00	1.15	3.15				.40			.15		.50	.05		.35	.81		.18			1.85	13 29
Marion				.90			T.			1.30	8.80	1.25				.45				.15	.15	.10		1.01	.05		.16			8.60	12 05
Mayfield				T.	1.28					2.00	2.53	.28					.52		.14	T.	.80	.25		.21	.96	T.	T				2.10	12 24
Murray				.20	1.09		.37			1.74	3.05	.49	T			T			.82	.14	T.	.37		.16	.77	T	.07				1.66	11 03
Owensboro					.38	.35	.09			.83	4.95	.70	.09			T.	.76		.03	.08	.04	T.	T.	.04	1.10	.02	.22	.03			4.81	15 46
Owensboro, Dam 46					.40			.26		.20	3.88	1.71	T.	.08			.80			.05	.12	.02	T.	.10	.07	1.09		.21			1.80	10 20
Paducah					1.10	T.	.08			.82	4.30	2.15	T.				.42		.08	.15	.10	.50	.03	.27	.02	.62		.25			5.06	13 79
Paducah (near) ¶				.39	.75					2.74	4.72	.83					.48		.24		.70			.32	.60		.48			1.38	13 62
Princeton				.76		.10				2.50	6.13		.02			.53		.01	.18	.88	.33	.04	T.	.27	1.48		.30			1.12	15 55
Russellville					.45		.08			.34	4.16	1.73		.05						.35	.06	.04			58	1.30		.70			2.84	13 13
Uniontown, Dam 49					.54		.04			.20	3.81	2.28	.02	T.			.65		T.	.09	.13	T.	.01	T.	.23	.83	T.	.12			1.23	10 08
Central Division																																
Addison, Dam 45					.47		.18			.12	8.10	1.76		.12			.74			.11	.07	.05	T.	.04	.28	.56		.16			1.94	9 64
Anchorage						T.				.78	1.95	.16	.14					.15			.16			.28	.64						1.42	5 70
Bardstown										1.02		2.80	.08				.40		.40	.10	.10		.05		.80		.05	.40			1.40	7 30
Bowling Green					.20	T.				1.03	5.81	1.40	.02				.44		.30	.67	.05	.10		.10	1.25		1.38	.20			1.60	11 05
Bowling Green, No. 2					.20		T			.03	1.73	1.60		.02			.44		.10	.87	T.	.15		.01	.09	1.20		1.78			2.65	10 72
Brownsville, Lock No. 6					.24		.21			.50	2.17	1.75		.03			.60			.42		.08		.05	.06	1.16		.62			2.35	10 24
Burnside					.29		.44			.30	.58	2.05	.25	.22			.25			1.25	T.	.51		.68	.52	1.83		.72			1.30	11 62
Carrollton (Lock No. 1)					.07		.44			.03	2.62			.08			.35						.60		2.56	.16					.34	7 25
Cold Spring, Dam 36					.18		.45			T.	1.42	1.06		.03			.31		T.	.07	.37	T	.29	.47	.55	.01		T.			.24	5 36
Danville					.05	.16	.07			1.66	2.87	1.18	.07				.43		.19	.24	.09	.02		T.	.68	.29	T.	.38		.76	2.12	11 29
Dix Dam, Burgin						.15				2.60	1.50			.10		.82			.19	.07	.12		.10	.10	.53		.42			1.71	7 91
Eubank					.15					.25	1.56	2.32					.75							.10	1.90						3.40	10 42
Frankfort					T.		.07			.04	2.12	1.14		.11			.86		T.	.16	.03	T.	.22	.34	.47	.34		.14			2.02	7 56
Franklin					.30	.02				.61	1.15	1.75	.02				.47		.80	.16	.09	.18		.19	2.15	.02		.57			.96	1.12	9 89
Gest, Lock No. 3					T.		.17			.08	2.05	1.25		.05			.52		.04	.15	.04		.73	.03	.97	.36		.67			.93	7 18
Glasgow							.68			1.00	1.25	1.65							1.75	1.09	.15	.09		.45	1.30	.42		.72		1.60	1.23	12 73
Greensburg					.07					.03	1.35	1.68					.28		.03	.05			.18	.54	.45	.03		.03			.21	4 93
High Bridge, Lock No. 7					.12	.26	.11			.60	.82	2.36	.01				.87		.45	.55	.11	.07	.57	.04	.55	.54	.01	.61		.47	1.54	10 13
Irvington							.09			.06	2.32	1.56	.05	.07			.40		.02	.25	.14	.10	T.	.08	.12	.57		.26			1.74	7 86
Lancaster					.18	T.	.06			.75	3.87	.85	T.			T.	.60	T.	.03	T	T.	T.	T.		.99	T.	.04				5.12	9 30
Leitchfield				.07						.08	3.25	2.50	.08	.12		.36			.18	.30	.08		.03	.08	.79		.47			3.05		11 87
Lexington ***					.30		T.			1.77	8.08	.90	.06				.87			.88	.23			.04	1.35		.06	.35			3.83	2.36	12 63
Little Hickman, Lock No. 8				.03	T.	.02	.67			.87	2.52	.18	.16			.12	.21		.18	.07	.04	.02	.26	.08	.60	T.	.12	.28			1.06	.60	7 44
Lockport, Lock No. 2							.45			.10	8.90	2.00	.05	.06			.40		T	.38	.13	.10		.20	.22	.60		.36			2.26	10 30
LOUISVILLE ***						T.	.10			.30	2.35	1.80		.10		T.			T.	T.		.51	.05	.58	.31					.98		7 43
St. John				.04	.01	.17	.06			1.18	3.04		.16			.42	T.		.18	T.	T.	.01	.11	T.	.60						.80	.53	7 26
Salvisa, Lock No 6										1.30	2.10	.90	.05						.03	.22	.20	T.	.03		.80	.35	.05	T.	.25	.20	2.75	9 23
Shelbyville							T.			T.	2.60	1.20		.20			.60	.10		.28	.10	.10	T.	.17	.13	.60		.48			1.85	8 41
Taylorsville					.06	.02	.10			.68	3.65	.80	.12				.42		.08	.10	.04	.04	.06	.02	.58	.19					2.21	1.50	8 77
Tyrone, Lock No. 5						.17				1.04	1.90	.73	.05				.32		T.	.18	T.	.17	T.		.84	.07	T.	.34			.66	1.58	8 60
Williamstown							.15			T.	2.50	1.19		T.			.40			.25	.07	T.		.13	.25	.74		.88			2.19	8 20
Woodbury, Lock No. 4						.61				.50	2.55	.80	.11				.38		.05	.09	.28		.75	.27	1.18	.10		.07			.54	8 23
Eastern Division					.24		.05			.44	2.46	1.75		.04			.64		.16	.39		.16		.56	.11	1.17		1.28			2.74	12 67
Annville					.20		.23			.06	1.08	2.06	.25	.17			.14			.50		.25		.04	.06	.69		.17			1.89	7 79
Ashland					.01		.87			.01	1.62	1.68	.04	.12						.28	.03	.03	.02	.59	.76			.16	.02		.64	6 38
Berea					T.	.10	.10			1.33	.38	2.09	.06		.23		.21		.75	.02	.04	.03	.82		.53	.42		.31		3.62	2.08	10 35
Cynthiana					.15		.20				2.55	2.05	.04	.20			.25			.30	.08	.08	.13	.10	.12	.68		.25			2.05	8 93
Falmouth					T.					T.	2.60	1.30		.10			.26		T	.28	.08		T.	.40	1.72	.28		.06			1.10	7 56
Farmers					T.		.04			.02	2.21	1.16		.05			.32		T.	.12	.11	.01	.02	.79	.71	.09		.07			.66	6 88
Flemingsburg							.43				2.45	2.18					.39			.63		.08		.45	2.70	.54		.21				10 06
Ford, Lock No. 10							.33			1.20	1.20	.11	.14					.26	.18	.10				1.14	1.26	.31		.27			1.27	8 81
Greenup Dam 30					.02		.11		T.	.02	2.23	1.75	.02	.11			.32		T.	.17	.06	.09	.02	.07	.17	.51		.34			1.82	7 83
Harlan							.34			1.38	1.34	T.		.11			.16			.13	.05	.02	T.	.68	.67	.01		.15	.02		.70	5 70
Hazard					.34		.24			.20	.63	2.20					.05		.24	1.64	1.80	.08	.22	.25	50	1.94		.31			36.2	1.08	10 35
Heidelberg, Lock No. 14					.20		.27			.02	.48	2.10	.45	.10			.02			.78	.11	.22		.42	.04	.88		1.50		.40	.98	12 60
Jenkins					.19		.35				1.33	2.46	.21	.19			.18		T.	.18	.08	.10	T.	.40	.02	.73		.14	T.		2.33	8 91
Louisa				.15		.25				.55	1.87	.52	.12						.55	.21				1.25	.06	1.11				.34	1.05	8 66
Manchester					.40						1.90	1.80	.10	.28			.10			.26		.08	.03	.80	1.18	.18		.80			1.40	8 33
Maysville										.26		1.10	2.49	.51			.10		.78					.67	.21	.89		.65			1.15	9 20
Paddlesboro										T.	2.60	1.20	.01	.07			.23		T.	.14	.06		.03	.46	.65	.05		.17			.70	6 14
Mount Sterling					.32	.22				.36	.11	1.81	.17						.82	1.60		.30			82	2.30	.70		.98			29	.69	11 29
Owenton Dam 35						.03	.05	T.		.63	1.42	.88	T.						.05	.80	.06		.72		.65	.23					16.2	.99	8 88
Paintsville					.04		.45			T.	1.84	1.00		.05			.36		T.	.07	.27	T.	.07	.45	.54	T.		.09			.81	5 64
Pikeville					.68		.81	9			2.40	2.00	.47	.17			.18			.40	.10	.05	.80		1.20	.35		.24	.08		2.40	11 04
Pine Mountain					.52		.28			.22	.42	2.76	.32	.32			.06			.62	.32	.14	T.	.12	.24	.84		.36	.18		2.66	9 52
Pippapass					.35	.18				.65	.86	2.20	.22	.02			.02		.51	1.17	.17	.04	.03	.10	1.29	.50		.33		.45	.60	9 62
Quicksand																																
Ravenna, Lock No. 12					.19		.42			1.24		2.40	.53	.08			.22		.16		.11	T		.92		.78		.19			2.78		10 02
Richmond						T.	.24			1.93	2.14	.12					.20		T.	.26	.09	.05	T.	.13	.25	.63		.16	T.		2.11	8 81
Valley View, Lock No. 9							.25			.40	5.65	2.30		.25			.20			.05	.10	.15	.10	.05	.03	.10	.50			2.60	10 35
Vanceburg, Dam No. 32					.04		.35			.27	2.50						.34			.23	.05	.09	T.	T.	.20	.54		.47			1.83	.08	6 94
Whitesburg																																
Williamsburg					.70		.26			1.86	1.31		.13				.31		T.	.21	.07	.03	.62	.37	.76	.03		.10	T.		.57	6 63
Willow, Lock No. 13					.25		.11			.10	.47	1.91	.57				.12			.10	.30	.19	.10	.16		.20	.10	.11	.80	.80	4 80
				.15		.36				1.85	2.50	.12	.17			.23	.16		.19	.09	.08	T.	.28	.08	.65		.16			2.47	.08	9 35

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

¶ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Daily Temperatures for March, 1935.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	69	69	73	72	75	72	63	39	65	62	68	42	52	55	77	72	67	57	61	78	78	78	82	78	67	68	72	62	68	66	61	66.4
	Minimum	35	46	52	55	56	55	34	30	29	47	42	31	32	36	49	40	34	31	51	60	57	56	65	59	47	54	47	54	37	46	46	46.8
Earlington	Maximum	61	69	74	72	75	72	67	42	64	60	70	43	55	56	78	74	67	59	64	80	78	79	88	78	69	68	74	59	69	62	63	67.2
	Minimum	37	48	57	57	55	52	37	30	31	47	45	32	30	30	52	60	33	33	51	63	64	55	68	55	51	60	37	41	52	48	47	47.4
Greenville	Maximum	69	68	72	...	75	70	65	45	64	61	70	44	55	56	77	73	65	78	61	79	77	78	88	78	69	67	74	61	67	66	62	67.2
	Minimum	31	45	52	...	54	50	33	28	28	45	43	30	26	25	45	37	33	30	49	57	54	58	58	54	55	48	46	39	36	47	47	43.3
Henderson	Maximum	60	69	73	69	74	66	56	38	64	65	69	39	55	53	77	66	67	62	61	78	77	78	81	78	64	69	71	60	67	69	63	67.5
	Minimum	34	45	52	51	54	51	33	29	30	47	40	32	29	28	47	42	32	32	47	57	54	56	64	55	56	45	47	34	41	48	43	44.3
Hopkinsville	Maximum	54	63	72	69	69	69	64	45	59	58	68	43	61	54	77	67	67	59	63	77	78	75	83	76	68	66	73	67	69	63	58	64.9
	Minimum	31	46	49	52	54	54	34	29	31	45	43	31	29	29	45	37	32	31	49	59	59	56	61	55	54	48	45	35	33	44	45	44.3
Lovelaceville	Maximum	61	69	72	71	74	66	45	60	62	67	63	45	60	60	77	70	65	58	67	80	78	79	82	80	75	65	68	60	67	66	...	*67.0
	Minimum	34	44	52	54	50	33	26	29	48	38	35	30	32	28	50	57	30	31	45	66	56	56	65	56	56	59	48	46	33	55	46	*44.1
Marion	Maximum	58	64	74	70	72	74	71	58	68	68	68	63	52	55	74	76	68	69	63	74	76	71	81	82	71	71	72	64	64	68	58	66.4
	Minimum	35	38	52	54	53	55	34	26	29	47	53	30	32	28	46	38	31	31	49	60	54	56	66	56	56	49	35	41	42	52	43	45.0
Mayfield	Maximum	60	67	70	71	73	69	67	46	61	62	69	44	60	60	74	70	65	59	67	78	77	78	83	78	75	65	70	68	66	65	64	66.8
	Minimum	35	45	52	55	53	56	36	27	32	48	41	31	34	32	52	56	31	33	49	62	56	56	61	57	51	51	50	36	42	50	45	45.8
Murray	Maximum	60	69	76	74	75	72	58	47	64	60	72	44	60	63	78	73	66	63	69	81	80	79	86	79	76	69	73	61	68	58	58	68.6
	Minimum	32	45	50	53	52	47	35	25	30	45	42	30	29	27	52	56	31	30	49	62	56	56	65	56	55	54	48	45	35	53	44	45.3
Owensboro	Maximum	60	67	71	71	73	65	59	47	64	60	72	44	60	63	78	73	66	63	69	81	80	79	86	79	76	69	73	61	68	58	58	68.6
	Minimum	30	40	42	50	53	47	32	27	28	44	40	28	28	27	43	56	30	30	46	56	54	52	60	54	54	54	53	57	34	50	42	42.5
Princeton	Maximum	60	69	73	73	75	73	60	45	64	60	70	41	57	59	77	67	64	60	65	80	78	76	86	78	75	65	70	60	66	60	62	65.7
	Minimum	33	47	55	53	54	51	34	28	30	47	41	31	30	29	50	56	31	31	49	60	55	56	66	56	56	59	48	47	37	48	45	45.1
Russellville§§	Maximum	58	67	72	69	74	65	42	38	63	61	71	38	60	62	77	69	67	59	68	79	77	79	84	66	69	71	71	56	67	63	58	64.2
	Minimum	25	38	50	51	55	54	42	28	30	37	47	820	27	28	39	56	33	31	47	50	53	55	61	57	57	51	50	39	36	47	54	43.9
Central Division.																																	
Anchorage	Maximum	59	65	62	71	72	62	53	43	62	54	61	49	40	49	74	70	65	56	66	76	69	73	74	61	60	64	74	61	65	68	64	62.6
	Minimum	31	29	49	47	52	45	32	31	27	40	38	29	26	29	48	39	34	28	33	60	54	52	58	56	49	37	43	41	37	35	41	41.2
Bardstown	Maximum	61	69	74	74	75	65	60	38	66	67	68	67	51	46	65	78	75	65	63	70	80	77	78	79	70	68	70	79	66	68	60	69	68.7
	Minimum	32	41	54	51	53	50	37	30	26	48	49	32	26	27	48	59	34	26	49	55	56	55	61	52	55	39	43	42	33	42	38	67.4
Bowling Green	Maximum	60	70	74	73	75	70	68	38	65	66	70	59	52	56	80	72	66	62	64	80	77	77	83	78	66	75	76	64	67	66	62	68.4
	Minimum	30	40	52	50	50	53	37	30	28	43	54	34	29	29	42	55	35	32	48	59	58	57	66	55	56	47	44	41	36	47	53	45.1
Bowling Green	Maximum	60	66	71	70	73	69	58	38	64	64	66	58	50	53	78	73	66	62	64	80	77	77	83	78	65	75	76	67	67	66	64	67.3
	Minimum	30	40	52	50	50	53	37	30	28	43	54	34	29	29	42	55	35	32	48	59	58	57	66	55	56	47	44	41	36	47	53	45.1
Danville	Maximum	59	66	71	70	73	69	58	38	64	64	66	58	50	53	78	73	66	62	64	80	77	77	83	78	65	75	76	67	67	66	64	67.3
	Minimum	31	44	50	46	55	50	35	29	26	44	49	28	26	28	57	57	32	26	46	64	54	52	57	49	53	40	41	33	34	45	54	42.1
Dix Dam	Maximum	59	71	70	71	73	72	57	38	60	66	65	39	51	51	74	65	60	57	61	77	77	72	76	75	63	68	77	72	69	66	66	64.9
	Minimum	33	52	52	51	60	50	38	33	29	36	50	30	29	32	40	60	40	30	43	64	58	55	57	52	51	42	45	41	37	43	54	44.5
Eubank	Maximum	60	62	69	64	66	69	66	61	60	65	61	55	52	60	76	65	67	71	70	77	78	80	76	68	76	69	71	76	74	61	58	67.5
	Minimum	25	38	41	43	48	51	36	34	27	41	49	36	26	29	35	51	41	31	44	56	57	51	61	51	56	49	49	38	36	50	51	43.2
Frankfort	Maximum	60	67	64	76	73	69	68	38	63	61	67	55	41	55	75	72	67	56	67	77	75	72	77	74	62	66	76	71	66	63	62	65.0
	Minimum	32	44	56	55	60	41	37	32	27	46	51	32	30	31	40	58	34	27	41	54	61	53	55	50	55	40	43	40	35	43	52	44.3
Franklin	Maximum	59	70	71	72	77	72	65	38	64	63	73	58	55	59	79	71	67	62	64	82	79	80	85	76	68	71	77	72	69	69	68	68.4
	Minimum	31	48	50	50	57	52	35	29	30	45	55	33	28	29	47	55	34	32	48	59	59	58	63	56	56	51	49	39	36	50	54	45.6
Glasgow	Maximum	59	67	72	72	75	74	60	45	65	68	69	50	65	74	71	66	62	68	69	77	74	76	82	67	61	64	74	68	65	64	59	67.0
	Minimum	33	44	56	50	50	48	34	30	30	45	48	31	27	36	40	57	39	32	48	59	59	57	60	53	48	46	63	45	33	47	57	45.1
Greensburg	Maximum	58	64	73	70	70	70	58	37	66	61	69	58	45	55	77	73	68	58	62	76	76	78	82	67	61	64	74	68	65	64	59	65.4
	Minimum	31	44	39	47	56	50	34	29	28	43	47	29	27	27	40	56	36	28	45	57	56	55	61	54	45	43	46	42	35	43	50	44.3
Irvington	Maximum	59	66	70	71	72	69	61	37	62	59	68	43	47	52	76	69	62	56	59	76	77	74	77	72	64	67	76	72	68	68	66	66.1
	Minimum	34	46	54	55	56	56	35	30	30	47	48	31	29	30	45	55	32	30	51	56	56	54	63	57	42	48	38	46	36	50	49	45.3
Leitchfield	Maximum	59	67	71	71	73	67	60	35	62	58	68	46	47	53	76	70	65	57	61	79	74	75	80	70	65	67	73	67	67	66	60	64.2
	Minimum	32	45	51	53	53	53	34	29	29	42	46	31	28	28	46	56	32	29	51	56	56	55	61	52	55	45	47	38	37	50	50	44.1
Lexington	Maximum	57	65	66	70	71	66	47	36	65	64	64	38	58	46	77	73	68	58	62	76	76	78	82	67	61	64	74	68	65	64	62	66.8
	Minimum	30	43	44	50	57	49	47	30	25	46	50	28	26	29	39	54	32	26	47	58	56	54	58	54	52	42	48	38	36	50	49	43.3
Louisville	Maximum	59	66	67	71	72	69	55	38	60	60	68	43	57	52	76	69	62	56	59	76	77	74	77	72	64	67	76	72	68	68	66	66.1
	Minimum	35	46	54	53	59	52	35	31	29	46	54	34	31	31	48	55	34	31	50	64	57	58	63	57	42	48	38	46	36	50	49	45.3
St. John	Maximum	56	55	41	58	48	64	57	48	52	42	40	28	26	31	44	55	27	35	48	59	54	52	60	58	52	40	44	48	55	50	48	48.8
	Minimum	42	44	33	37	39	41	39	37	39	42	40	28	26	31	44	55	27	35	48	59	54	52	60	58	52	40	44	48	55	50	48	48.8
Shelbyville	Maximum	56	66	63	67	71	69	57	36	61	56	63	52	39	44	74	70	65	63	64	76	70	71	78	73	66	68	76	73	67	66	62	66.2
	Minimum	31	41	50	49	57	48	36	30	26	48	50	30	25	23	40	56	32	27	45	57	51	53	58	58	56	38	35	37	45	49	42	42.5
Taylorsville	Maximum	57	65	67	71	72	68	56	38	60	58	64	51	43	49	75	71	66	56	65	77	75	77	81	74	65	67	77	72	68	68	63	68.1
	Minimum	...	43	48	49	57	44	38	33	28	44	50	31	28	31	41	58	33	27	45	57	51	51	58	53	47	37	38	38	38	48	43	43.2
Williamstown	Maximum	57	62	69	72	71	67	51	34	62	54	60	44	50	54	77	72	67	56	62	76	76	78	81	75	67	68	78	73	68	68	66	66.8
	Minimum	31	43	47	46	57	48	33	30	24	45	50	29	21	23	37	56	32	25	47	51	50	51	59	46	50	36	41	37	38	48	50	41.9
Eastern Division.																																	
Ashland	Maximum	60	68	64	72	72	70	61	47	69	67	69	59	50	54	75	80	71	53	56	72	72	69	61	67	61	64	79	72	65	63	65	64.0
	Minimum	29	39	43	42	46	45	34	26	43	49	45	30	31	34	53	58	33	29	42	49	57	54	51	48	51	43	44	42	36	42	42	40.6
Berea	Maximum	58	61	64	66	72	72	72	58	66	67	66	66	58	68	78	75	76	63	59	83	73	72	71	76	69	64	67	77	74	73	...	.....
	Minimum	31	44	38	42	55	55	36	30	28	45	51	27	26	30	57	40	34	29	43	61	66	73	72	71	55	51	51	42	48	39	38	42.5
Farmers	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	72	76	77	70	80	71	66	70	74	55	61	65	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22	46	50	57	52	50	45	51	30	41	29	29	.....
Harlan§§	Maximum	55	64	70	72	72	63	58	48	60	64	68	48	48	55	71	75	61	60	60	72	77	70	80	71	66	70	74	55	61	65	74	61.7
	Minimum	21	31	47	40	34	41	52	34	34	40	42	43	34	39	32	52	46	22	36	54	52	48	53	50	44	45	48	44	41	47	55	42.6
Heidelberg	Maximum	60	67	72	73	73	56	56	40	67	61	65	65	36	50	77	75	70	64	67	79	72	74	80	72	64	67	77	74	71	69	67	67.7
	Minimum	24	39	42	44	51	44	40	34	27	40	49	30	27	31	44	57	37	25	47	52	53	54	54	51	53	44	43	43	31	39	53	41.3
Maysville	Maximum	58	66	58	73	72	69	53	36	61	65	61	61	42	47	74	75	66	54	56	72	69	69	76	72	58	66	77	67	64	65	64	63.6
	Minimum	31	44	46	40	60	41	38	30	25	45	50	28	26	32	45	63	34	23	43	60	58	56	66	58	52	48	46	52	38	40	41	41.8
Middlesboro	Maximum	54	62	69	70	69	65	66	48	59	56	64	55	32	59	81	81	75	62	61	75	70	71	78	71	68	62	68	45	41	39	28	43	61.1
	Minimum	26	38	40	42	52	53	43	30	27	38	45	26	22	38	51	54	30	24	38	43	51	51	55	51	48	52	53	45	40	33	28	33	41.8
Mount Sterling	Maximum	58	67	66	74	74	70	56	38	65	62	71	44	49	53	77	76	64	60	68	73	67	75	78	64	60	65	80	63	60	62	67	65.4
	Minimum	27	40	40	46	45	45	36	30	25	43	57	27	23	31	34	58	30	26	47	52	54	53	54	48	52	40	45	40	33	45	50	42.5
Pineapass	Maximum	...	...	...	68	62	46	44	33	55	47	51	29	24	35	46	70	40	28	38	58	56	55	71	61	70	59	76	70	74	67	74	60	75.4
	Minimum	...	...	...	33	32	32	29	24	25	32	36	20	20	20	27	33	28	20	30	37	41	41	50	39	39	36	39	39	39	39	39	32	47.9
Quicksand	Maximum	60	66	70	78	72	59	64	45	66	62	66	70	59	60	77	83	74	66	72	82	79	80	85	82	71	69	76	70	74	67	74	69	73.7
	Minimum	29	35	44	41	50	44	39	32	24	39	52	27	23	32	36	70	34	23	39	52	51	49	60	52	41	42	40	39	42	40	37	46	45.4
Richmond	Maximum	54	58	66	72	73	68	43	30	62	58	65	48	32	46	72	73	68	55	58	76	74	76	80	73	65	67	78	75	72	73	75	72	69.4
	Minimum	30	43	42	47	55	53	43	30	27	43	50	32	26	30	33	55	35	26	43	56	56	56	60	52	50	51	58	50	51	52	54	52	45.5
Williamsburg	Maximum	...	...	...	76	75	74	62	68	68	48	67	44	56	56	73	77	71	65	68	77	77	78	82	75	72	74	75	72	74	75	72	75	145.2
	Minimum	...	...	...	52	44	58	51	39	38	28	44	36	26	23	33	37	37	35	27	46	51	52	56	57	54	53	47	50	41	31	49	55	

§ Instruments — read 7 a.m. morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
§§ Instruments — read 7 p.m. evening; the minimum temperature then read is charged to the following day, on which it almost always occurs
... Indicate temperatures for 1, 2, 3 etc., days missing from record
* Record for 4, 5, 6, 7, 8, 9, 10 days

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XL LOUISVILLE, KY., APRIL, 1935 No. 4

GENERAL SUMMARY.

Showery weather during the first half of the month kept the ground wet and largely prevented planting and soil preparation. Plowing became possible on the uplands about the end of the third week, when potato planting, gardening, and plowing for corn were resumed. Some oats were sown, but the lateness of the opportunity to sow deterred most farmers from risking this crop. Favorable weather during the last decade permitted most of the delayed planting of potatoes and gardens to be completed. Preparations for corn advanced rapidly and planting on uplands began about the 22nd. Cotton planting commenced near the 24th. Fields plowed in the winter had been so packed by the heavy rains that more than the usual amount of work was necessary in discing or even rebreaking to condition the soil for planting. The floods that covered about 75,000 acres of western bottom land subsided during the third week, but this ground remained too wet to be worked.

Low temperature and lack of sunshine during the first three weeks delayed the growth of tobacco plants, so that the time gained by their excellent start was mostly lost. The sunshine and excess warmth of the last week produced rapid progress and a fairly favorable state of advancement.

Wheat, rye, barley, and bluegrass grew rank on uplands. On the flat and low ground saturation and standing water hindered growth and caused yellowing. The watery condition of grass and the soft turf prevented full use of pastures. The damp cloudy weather favored the starving of young clover and lespedeza, but interfered seriously with seeding these crops. On the eastern uplands plowing revealed less water in the soil than would have been expected from the surface dampness, which would indicate continued rapid descent of moisture into the subsoil.

Severe freezes on the 16th and 17th caused heavy damage to tree fruits in the northeastern counties and considerable damage in central sections. Most fruit in the western and southern districts escaped injury, although strawberries suffered to some extent.

TEMPERATURE.

A short period with temperature near normal at the beginning of the month was followed by two weeks of abnormal cold in which daily means were 5° to 26° below the seasonal average. A few decidedly warm days occurred near the end. Minimum temperatures on the 16th and 17th ranged from 24° in northeastern districts to 32° in the southwestern counties. Maxima near 70° were registered generally on the 26th. The extremes were 92° at Parkstown on the 26th and 24° at Mt. Sterling and Williamstown on the 16th and at Quicksand on the 17th.

PRECIPITATION.

Precipitation averaged somewhat above normal, but a considerable area in the north-central and extreme northern counties received less than the seasonal amount. During the first two decades measurable precipitation was reported every day. Daily showers also occurred on the last four days, leaving only about a week sufficiently free from rain for plowing or planting. In most south-central and southeastern districts the monthly amounts ranged from 5 to 7½ inches, southward they diminished irregularly to about 4½ inches near the Ohio River and to 3.0 inches in the lower Licking Valley. Heavy local rains occurred generally in the period 18th–21st, but other rainfall was light to moderate. Snowfall totaled mere flurries to 1.0 inch, and was entirely [illegible] Eastern counties. Four-day stage predictions to [illegible] Cave Run Reservoir, Campbell County, and 7.14 inches at Cynthiana. Days with [illegible] were: 2, 3, 5, 6, 7, 18, 20, 27, 29.

MISCELLANEOUS.

April 4.—Lightning destroyed a barn near Jamestown, with heavy loss of tobacco and livestock.

George's Creek was above flood stage from Dam 47 to [illegible] on the 1st. It subsided very slowly, and passed below flood stage at Cumberland on the 2nd. The 1st Crest was in flood four days, the 1st until the 2nd. The second crest was [illegible] on the 2nd, 9.7 feet above flood stage. At the time [illegible] had been driven from their homes on the Green River [illegible]. In the vicinity of Calhoun and Rumsey an area of about 30 square miles was [illegible].

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea-level.) Mean.	Highest	Date.	Lowest.	Date.	Wind Av. hourly velocity.	Maximum velocity.	Direction.	Relative humidity. 8 a. m.	2 p. m.	8 p. m.	Percentage of possible sunshine.
Cairo ..... Ill.	29.93	30.18	13	29.61	7	9.6	38	nw.	15	76	57	55	18
Cincinnati ..... Ohio	29.98	30.24	3	29.62	7	7.8	38	w.	15	77	59	63	30
Evansville ..... Ind.	29.94	30.2	2	29.54	7	8.5	39	nw.	15	77	59	58	44
Louisville ..... Ky.	29.96	30.18	2	29.58	7	9.8	35	w.	15	75	59	60	56

COMPARATIVE DATA FOR APRIL.

Year.	Temperature. Mean.	Departure.	Highest	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days. Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889	57.0	+ 0.8	89	24	4.61	−2.38	9.76	0.93	....	..	..	..	..
1890	55.0	+ 0.9	82	28	4.64	+0.08	6.46	2.70	....	..	..	..	..
1891	55.6	+ 1.8	82	24	2.32	−1.48	3.70	1.02	....	..	..	..	..
1892	56.0	− 0.1	88	26	7.14	+3.16	11.78	2.05	....	..	..	..	..
1893	58.0	+ 1.9	91	21	6.46	+3.68	13.20	3.42	....	..	..	..	..
1894	56.0	− 0.1	84	33	3.68	−0.42	7.21	1.56	....	..	..	..	..
1895	57.2	+ 1.1	84	32	3.18	−0.76	4.55	1.67	....	9	13	8	5
1896	55.6	+ 7.5	90	24	1.65	−2.31	6.82	0.52	....	6	13	12	9
1897	55.5	− 0.6	90	25	6.62	+3.07	9.97	2.90	T.	11	11	9	10
1898	52.4	− 2.7	86	19	3.28	−0.08	6.55	1.08	1.1	9	12	8	10
1899	57.5	+ 3.1	86	20	5.16	−0.80	4.75	1.19	0.3	13	9	8	13
1900	59.2	+ 0.1	90	16	2.15	−1.81	3.93	1.04	T.	8	14	8	8
1901	56.9	− 5.2	91	23	4.03	+0.07	7.28	1.11	2.6	10	11	6	14
1902	54.2	− 1.9	83	22	2.68	−1.21	5.87	1.26	0.1	9	14	8	7
1903	54.4	− 0.7	90	22	4.48	+0.47	10.85	2.96	T.	12	19	7	4
1904	56.5	− 5.2	85	16	2.85	−1.13	4.28	1.76	1.7	11	16	7	13
1905	56.7	+ 0.6	91	23	3.60	−0.95	4.67	1.87	0.2	9	19	7	4
1906	59.3	+ 3.4	94	28	1.50	−2.55	2.23	0.65	0.0	6	15	7	8
1907	54.2	− 7.9	87	16	2.78	−1.18	5.24	1.64	0.2	11	19	5	15
1908	59.8	+ 2.7	89	28	6.65	+2.60	8.61	3.46	0.8	14	12	6	12
1909	59.1	0.0	86	21	5.91	+2.42	11.02	4.15	T.	16	12	6	12
1910	59.4	− 0.7	88	26	5.14	+1.18	8.06	2.26	0.7	13	13	7	10
1911	58.8	− 0.9	90	20	7.66	+3.18	13.06	4.35	T.	19	12	8	10
1912	58.4	+ 2.8	87	29	3.89	−0.78	13.66	5.18	T.	12	11	7	12
1913	56.3	+ 0.6	89	27	3.73	−1.40	6.39	1.18	T.	12	14	5	11
1914	55.7	+ 0.4	91	13	3.42	−1.88	6.28	1.85	T.	16	14	5	11
1915	60.1	+ 4.0	86	17	0.93	−3.91	1.84	0.58	0.0	5	17	8	5
1916	54.0	− 2.1	84	23	2.64	−1.82	4.79	1.01	1.4	9	15	6	9
1917	56.8	− 0.8	89	24	5.42	+1.06	8.28	2.21	0.5	8	14	7	9
1918	58.9	− 3.2	87	25	4.57	+0.24	8.75	2.66	0.3	12	8	4	18
1919	56.7	+ 0.6	89	19	3.81	−0.29	5.55	2.88	0.6	12	9	5	16
1920	58.8	+ 5.3	86	29	6.16	+2.29	9.85	3.37	0.2	13	12	5	13
1921	58.2	+ 2.1	89	22	4.66	+0.13	8.59	2.21	T.	16	15	5	10
1922	59.5	+ 3.1	88	28	4.25	+0.25	7.62	2.68	0.0	16	14	6	10
1923	54.4	− 1.8	86	19	3.57	−0.92	5.66	2.46	0.6	9	17	6	7
1924	57.8	+ 1.8	93	19	3.41	−0.75	6.25	1.76	0.3	10	17	6	7
1925	61.2	+ 4.5	92	24	3.15	−0.97	5.67	1.24	0.0	12	13	5	12
1926	61.6	+ 4.5	92	26	3.17	0.7	6.14	1.64	T.	10	17	7	6
1927	58.7	+ 2.6	92	26	6.56	2.4	13.26	3.85	T.	15	11	7	12
1928	58.5	+ 3.2	87	21	4.20	+0.1	7.45	1.26	0.6	11	11	5	14
1929	56.1	+ 2.8	85	23	3.77	−0.4	5.95	1.69	0.0	11	14	5	11
1930	58.3	+ 2.8	94	21	1.93	−2.05	3.77	0.64	0.6	7	18	7	5
1931	58.4	+ 0.8	87	25	4.44	+0.50	6.46	....	0.0	11	14	6	9
1932	58.4	+ 0.3	87	27	4.24	+0.30	....	....	T.	15	13	6	11
1933	58.7	− 0.4	92	27	4.24	+0.30	8.95	2.05	T.	15	13	6	11
1934	59.0	+ 6.8	94	34	8.13	+6.75	7.14	2.85	T.	14	10	7	13
1935	56.8	− 0.8	92	24	....	....	14.56	0.18	9	16	1	6	13

Climatological Data for April, 1935.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	Number of days: With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Calhoun	McLean	437	31	56.8	−1.6	88	26	34	16	31	4.23	−0.19	1.26	0	14	4	15	11	ne.	W. A. Taylor.
Earlington	Hopkins	420	45	56.8	−1.0	88	26	33	16	35	6.93	+2.62	3.20	0	14	12	1	17	n.	Brick Southworth.
Earlington											3.12		1.62	0	13					Locknaster.
Fords Ferry, Dam 50	Crittenden	356	6								5.09	+0.35	1.55	0	13	12	9	9	s.	C. R. Lovell.
Greenville	Muhlenburg	519	18	55.3	−2.0	86	26	32	16	33	3.05	−0.63	0.74	0	10	9	4	17	n.	Richard Stites
Henderson	Henderson	382	21	56.0		89	26	31	16	32	3.25	−1.19	0.86	0	13	10	4	16	se.	W. E. Graves.
Hopkinsville	Christian	524	39	55.4	−2.2	87	25†	32	16	38	4.75		1.22	0	8	12	4	14	s.	Blaine Malone.
Louisaceville	Ballard		6	55.8		87	25	31	16	35										B. C. Paris.
Marion	Crittenden	571	36																	Mrs. C. R. Sowell.
Mayfield	Graves	364	26	56.7	−1.6	85	26	32	16	28	4.52	+0.25	2.60	0	9	10	7	13	n.	Harry B. Arnold
Murray	Calloway	412	9	56.1		90	25†	29	16	44	5.69		3.28	T.	8	10	4	16	s.	Henry S. Berry.
Owensboro	Daviess	479	38	54.1	−1.6	85	26†	29	16	35	4.38	+0.37	0.84	0	13	11	3	16	nw.	
Owensboro	Daviess	404	7								4.02		0.79	0	15					Lockmaster.
Owensboro, Dam 46	Daviess	516	18								4.70	+0.38	1.81	0	13	9	8	13		C. J. Rhodes.
Paducah	McCracken	341	46								5.64	+0.62	1.42	0	9					J. W. Lilley
Paducah (near) §	McCracken	529	28	56.8	−1.4	90	26	32	16	35	4.65	+0.49	1.15	0	13	9	4	17	n.	Dr. W. L. Cash.
Princeton	Caldwell	384	18								3.64	−0.63	1.25	0	9					Lockmaster.
Ramsey, Lock 2 ‡	McLean	590	24	56.4	−1.0	88	26	33	16	31	3.38	−1.10	0.81	0	12	11	4	15	s.	Wm. Shelton.
Russellville	Logan	357	7								3.59		1.10	0	13					Lockmaster.
Uniontown, Dam 49	Union																			
Central Division.																				Lockmaster.
Addison, Dam 45	Breckinridge	352	7								4.03		0.95	0	17					
Anchorage	Jefferson	700	34	51.6	−2.2	86	26	28	15†	40	3.80	+0.07	0.97	0	9	13	5	12	ne.	C. E. Barret.
Bardstown	Nelson	637	38	55.8	−0.1	92	26	29	17	45	3.09	−1.02	1.20	0	11	16	5	9	w.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	46	58.2	−0.5	88	26	35	14.	36	5.67	+1.23	1.82	0	12	11	8	11	w.	Mrs. Lillie G Causey.
Bowling Green	Warren	469	10																	Lockmaster.
Bowling Green, No. 2	Warren																			Lockmaster.
Brownsville, Lock 6 ‡	Edmonson	420	18								5.76	+1.02	1.40	0	16					T. A. Lewis
Burnside	Pulaski	773	44								5.12	+0.92	1.62	0	14					Lockmaster.
Carrollton, Lock 1	Carroll	480	36								3.54	−0.11	1.34	0	8					Lockmaster.
Cold Spring, Dam 36	Campbell	489	9								2.62	−1.16	0.75	T.	11					Lockmaster.
Danville	Boyle	540	2	53.8		85	26	27	16	39	3.18	−0.65	0.94	0	16	8	6	16	se.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	7	55.7	−1.1	88	26	30	16.	43	3.79	+0.69	1.54	0	11	9	10	11	sw.	C. W. Williams.
Eubank	Pulaski	1177	41	54.6	0.0	87	26	26	17	35	3.92	+0.06	1.09	0	9	11	6	13	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	43	54.4	−1.8	87	26	28	16	41	4.17	+0.32	1.74	0	12	8	3	19	ne.	Lockmaster.
Franklin	Simpson	601	40	59.2	−0.1	89	25†	33	16	36	3.55	−0.87	1.23	0	12	11	9	10	s.	Marcus Gatewood.
Gest, Lock 3	Henry	490	24								3.84	−0.14	1.52	0	11					Lockmaster.
Glasgow	Barren	780	9	56.8		89	26	33	16†	36	7.14		3.70	0	9	13	8	9	w.	P. L. Beatty.
Grant, Dam 38	Boone	780	10								2.88	−0.40	0.93	0	10					Lockmaster.
Greensburg	Green	581	42	55.4	−0.1	86	26	32	16	39	4.66	+0.74	1.02	0	19	4	1	25	n.	Mrs. Bettie K. H. Alcorn.
Greensburg											4.46	−0.84	1.49	0	14					Lockmaster.
High Bridge, Lock 7	Jessamine	544	33								4.26	+0.32	0.80	0	14	9	4	17	sw.	W. J. Piggott
Irvington	Breckinridge	646	37	55.7	−0.5	86	26	30	16	31	3.88	+0.85	1.22	0	13					Walter Killion.
Lancaster	Garrard	1052	9								5.40	+1.12	1.95	0	13	8	7	15	nw.	H. H. Willis.
Letterfield	Grayson	645	39	55.6	−0.3	88	26	31	16	34	4.36	+0.86	1.84	T.	15	10	6	14	w.	U. S. Weather Bureau
Lexington	Fayette	989	51	53.4	−0.9	88	26	26	16	42	3.22	−0.22	1.05	0	7					Lockmaster.
Little Hickman, Lock 8 ¶	Jessamine	560	23								4.10	+0.08	1.80	0	9					Lockmaster.
Lockport, Lock 2	Henry	485	25								2.98	−0.90	1.12	T.	11	7	8	15	n.	U. S Weather Bureau.
Louisville	Jefferson	525	62	54.2	−2.2	87	26	30	16	30	6.25		1.49	0	15	11	7	12	s	Ivan J. Ellsworth.
Mammoth Cave	Edmonson			55.2		86	26	30	17	36	4.76	+0.58	2.16	0	14	16	1	13		Sisters of Loretto.
Mc Donn	Hardin	777	39	53.6	−1.2	86	25	28	16	35	4.56	+0.89	1.85	0	11					Lockmaster.
Salvisa, Lock 6 ¶	Mercer	520	21								3.31	−0.53	1.23	0	14	7	2	21	n.	Miss Ruth Ratta,
Shelbyville	Shelby	825	46	53.2	−1.4	80	26	27	16	31	3.37	−0.83	1.04	T.	10	11	9	10		Elizabeth J. Bourne.
Taylorsville	Spencer	489	33	53.8	−0.9	84	26	29	16†	40	4.70	+0.71	1.83	0	6					Locknaster.
Tyrone, Lock 5 ¶	Anderson	524	17								3.78	+0.03	1.05	0	12	16	3	11	e.	Miss Nettie B. Simpson.
Williamstown	Grant	933	32	54.0	+0.5	89	26	24	16	42	6.57	+2.13	1.97	0	15					Lockmaster.
Woodbury, Lock 4 ‡	Butler	504	18																	
Eastern Division.																				
Annville	Jackson		4								5.24		1.06	0	14	4	11	15	sw.	W. A. Worthington.
Ashland	Boyd	534	16	54.1	−1.5	85	26†	26	16	41	4.29	+1.00	1.09	T.	11	6	6	18	sw.	Lockmaster.
Berea	Madison	1070	30	55.6	−0.2	89	26	29	16†	38	5.48	+1.89	1.94	T.	16	10	7	13	w.	Chas C. Graham.
Calico Hill, Lock 11	Madison	611	25								4.87	+1.65	2.60	0	11					Lockmaster.
Cynthiana	Harrison	684	17								4.54	+0.62	1.85	T	13					P. H. Kehoe.
Falmouth	Pendleton	600	36								3.33	−0.29	0.98	0.5	13					J. V. Oldham.
Farmers	Rowan	668	27			90b	26				5.48	+1.07	1.78	0	10	9	7	14	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	10								5.73	+1.84	1.82	0	10					C. A. Glascock
Ford, Lock 10 ¶	Clark	637	19								4.30	−0.96	1.32	0	12					Lockmaster.
Greenup, Dam 30	Greenup	540	15								3.60	+0.11	0.77	1.0	12					Lockmaster.
Harlan	Harlan	1197	7	*57.2		83a	26	32a	16	35a	5.87		1.07	0	10	12	5	13	s.	W. W. Duffield.
Harlan		869	11								5.83	+2.54	6.88		17					Chas. O. Burig.
Hazard	Perry	663	18	55.4		89	26	27	17	42	3.56	+0.88	1.05	0	14	9	2	19	sw.	Lockmaster.
Heidelberg, Lock 14	Lee										4.97		1.25	T.	10					Jas. T. Goff.
Irvine	Breathitt										5.56	+1.82	1.65	0	19					R. B. Davidson.
Jackson	Letcher	1566	11								4.23	+0.92	0.86	0	10					Lockmaster.
Louisa	Lawrence	584	31								5.11	+1.88	1.17	0	10					Jennett H. White.
Manchester	Clay		15								4.16	+0.58	1.26	0.5	11	8	5	17	e	Lockmaster.
Maysville	Mason	524	38	53.8	−1.1	84	26†	26	16	43	4.21	−0.18	1.04	0	14	11	15	4		Matthew Woodson
Middlesboro	Bell	1128	33	56.6	−0.1	89b	26†	25b	17	45b	5.38	+1.37	2.65	T.	10	13	8	9	nw.	W. R McKee.
Mount Sterling	Montgomery	930	45	52.6	−1.3	88	26	24	16†	42	3.60	−0.94	0.80	0.2	12					Lockmaster.
Osmanda, Dam 39 ¶	Campbell	497	8								4.10		0.96	0	9					Manuel Robinson.
Paintsville	Johnson	567	1								4.61	+1.05	0.72	0.5	13					Robert Popes
Pikeville	Pike	626	29								3.60		0.88	T.	19	9	0	21		August D. Angel.
Pine Mountain	Harlan													0		6	1	23		F. W. Summerfield.
Pineville	Knott	1035	1	55.4		88	26	26	17	48	5.67	+1.60	1.03	0	8					R. W. Jones.
Quicksand	Breathitt	732	9	54.8		91a	26	24a	17	45a	3.82	+0.71	0.96	0	13					Lockmaster.
Rockcastle, Lock 12	Estill	631	17								4.37	+0.85	1.58	0	10	11	2	17		J. W. Crooke.
Rockwood	Madison	926	41	55.0	−1.1	90	26	27	16	40	3.36	+0.24	1.05	0	9					Lockmaster.
Shelby View, Lock 9	Madison	571	22								3.70	+0.02	0.91	0	11					Lockmaster.
Vanceburg, Dam 32	Lewis	525	20																	G. H. Zimmerman.
Whitesburg	Letcher	1142	10								4.71	+0.65	1.81	0	12	11	11	5		H. F. Davis.
Williamsburg	Whitley	999	38	56.1	−0.5	91	26	30	17	43	3.49	+0.79	1.40	0	9					Lockmaster.
Wilmore	Lee	946	16								4.42	+0.46	5.70	T.	12	10	6	14	ne.	
Zaring, Lock 13				55.3	−0.8	92	26	24	16†	48										

Same as crops and other purposes.

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are on the Kentucky River; other Locks are on the Green River; other Locks are on the Kentucky River.

‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

T Precipitation is less than 0.01 inch rain or melted snow.

† Also on other dates. †† Received too late to be included in means and summaries.

¶ Post-office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Omeuta, California, Ky.

§Lone Oak.

Daily Precipitation for April, 1935.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Calhoun G	T	44	.06		.37	.39	1.26	.03			.59	.02	.02				.12	.46	.01	.01						T	.65		T			4.03
Farmington G		T	.60		1.16	3.33	.20	.04	T.		.14	.68	.02					.47	.72	.02							.45					6.53
Leads Ferry Dam 30 G			.14		.05	.50	1.07	.10	T		.25	.03	.01					.80	.15	.02							.75		T	.64		3.20
Greenville G		.12	.21		1.50	.20	1.45	.10			.35	.04	.02					.41	.03								.75		.16	.62		4.96
Henderson O		.66	.07			.81	1.15	.06										.41	.04								.75		.16			3.07
Hopkinsville C			.17	.03	.85	.62	.42	.12	T		.32	T	.03				.31	.74									.50		.06			3.05
Lewisburg M			.20		1.22	.75	.30				.40							.03	.26	.04							.75	.11	T	T		3.40
Marion O																		.60	.28								.99					4.77
Maxwell M		T	.18		.60	.20	T	.07			.81		.06					.53	.18	T												4.52
Murray T	T	T	.37		.25	T	T	.08	T	T	.57	T						.50	.62							.35	.45	T				4.69
Owensboro O	T		.08		.54	.02	.84	.03	T		.04	T	.02					.70	.16	.02							.06	.80		.02			4.35
Owensboro, Dam 46 O	.02		.02		.36	.05	.03	.04	.01		.55	.03	.03					.34	.30	.02							.60	.76	T	.05			4.02
Padducah O			.18		1.24	.33	1.84	.04			.46	.04	.01					.28	.05	.09							.60	.04					4.70
Princeton O			.02		1.38	.42	1.42				.75	.02						.32	.20								.58					6.64
Ramsey, Lock No. 2 G	.15		.26		1.15	.65	.25	.08			.36	.06						.32	.06													4.63
Russellville G			.44		.64	.27	1.25				.57						.05	.77	.15						T	.74		.02				4.69
Uniontown O				.04	.81	.61	.30	.60			.34	.01	.13					.25	.22							.15	.45					5.64
Uniontown Dam 49 O			.76		.35	.10	1.10	.61	T		.24	.02	T.					.19		.16							.75	.01				3.49
Central Division																		.67	.12	T.						.10	.10	.03	.02			3.69
Addison, Dam 45 O	.01		.50	.01	.13	.03	.05	.05	.01		.65	.09	.05	T.																	
Anchorage O		.25			.32	.75	.57	.13			.34	.06						.35	.18	.02							.16	.84		.06			4.63
Bardstown S		.30	.15		.45	1.20	.25	.05			.30	.05															.40			.03			3.80
Bowling Green G			.22	.20	.16	1.82	1.22	.02	.06		.35	T.	T.					T.	.25	.06							.60	.18					3.09
Bowling Green, No. 2 G																		T.	.25	.06							.60	.18					5.67
Brownsville, Lock No. 6 G																																
Burnside C			.48	.09	.50	.98	1.49	.75	.03		.20	.03	.05					.07	.62	.09							.50	.15	T.	.08			5.76
Carrollton (Lock No. 1) K	.15		.13	.26	.08	1.39	.60	1.02	.07		.05	.16							.55	.07	.06									.12			5.12
Cedarcreek, Dam 36 O	T.	T.		.01		.36	1.44	.58			.39	.30																					8.54
Danville K		.01	.34	T.	.22	.51	.94	.58	.01	T.	.18	.05	.11				.06	.02	.01	.04						T.	.62	.06	.18				2.62
Dix Dam, Burgin K		.36			.12	1.54	.46	.02			.23	.47					.04									.17		.14	T			8.18
Eubank C			.41			1.03	1.09	.25				.41						.15	.21							.12	.67	.13				3.79
Frankfort K	T		.38		T.	.68	1.74	.46	.02		.11	.37	.01	T.				.01	T.	T								.16	.21			3.92
Franklin S	.03		.32		1.23	.03	.51	.30			.07		.04					.11	.03								.97	.15	.17			4.17
Gest, Lock No. 3 K		T.	.25			.33	.02	.37	.05		.21	.50	.08		.04			T.								.65		.02				2.35
Glasgow K			.67	3.70		.26	.75	.32			.23	T.	.09					.05									.40		.67			8.84
Grant, Dam 35 O	T.		.02		T.	.49	.34	.28	.08	.14	T.	.55	.06			T			.05							.47						7.14
Greensburg K			.20	.04	.39	.87	1.02	.78	.01		.02	.83	.07	.01	.02			.04	.25	.03						T.		T.	.15			2.88
High Bridge, Lock No. 7 K	.03		.47		.04	.07	1.49	1.40	.05		.04	.38	.04					.04	T.	T.						.03	.29	.04	.04			4.09
Irvington K		.31	.32		.09	.00	.66	.80			.71	.09	.02				.11	.18		.02						.82	.23	.08	.10			4.66
Lancaster K		.31			.30	.89	1.22	.20			.46	.17					.05	.09	.06						.10		.02	.07				4.26
Leitchfield G	.20	.46	.14		.67	.23	1.25	.10	T.		.35	.06	.06				.08	.33	T.							.72	T.		.04			8.88
Lexington *** K	T	.41	.11	.01	T.	.72	1.84	.13	.01		.48	.11	.01		.01	T.	.03	T.	T.	.01						.16		.32				5.40
Locks Hickman, Lock No. 8 K			.75			.15	1.05	1.02	T.		T.	.23	.06	T.				.06								.10						4.36
Loudon, Lock No. 2 K		.30		T.	.60	1.80	.35	.10	.35	.27																.10						3.22
Louisville *** O		.29	T.		.52	.69	.50	.06			.50	.02	T.		T.		.05	.02								.58	T.		.05			4.10
Mammoth Cave			.71	.01	1.01	.71	1.49	.61	T.		.17	.02	.07	T.				.07	.05	.07						.84		.05				2.88
Melvin, Lock No 6 K	.07		.66		.12	T	1.85	.50	.10	T	.57	.10						T.		T.						.74	.30		.02			4.76
Nelhaville S	.02		.54		.01	.10	1.23	.28	.09		.55	.32	.10					.08		.02						T.	.85	.10	.20			4.46
Taylorsville K		.22	.54		.13	.91	1.61	T.			.35	.07			T.		T.	.07									.42		.07			3.91
Tyrone, Lock No. 5 K			.66			T.	1.85	.55	T.			.17	T.					T.								.46		T.	.03			3.87
Williamstown L			.10	.36		.80	1.05	.21	.11	.03		.83	.27														.48			.31			4.70
Woodbury, Lock No. 4 G			.80	.44	.06	.71	1.97	.36			.36	.02	.03					.01	.54	.03						.04	.86		.12			3.78
Eastern Division																																
Annville C	.50		.06	.05		1.06	.48	1.03	.30		.38	.04	.01						1.03	.04							.21		.10			5.24
Ashland O	.15		.21			.11	.60	.61	.70	T		.99	.10			.01																4.29
Berea K	.10	T.	.57	.01	.38	.12	1.94	1.51	.01		.42	.66	.16		T.	T.	.01	.10	.11	.06							.18		.14			5.48
Bethel Hall, Lock No. 11 K	.05		.22			.12	.65	2.65	.20			.45	.10			T.		.05		.03						T.		.06				4.87
Catlettsburg L			.23		T.	.25	1.87	1.06			.05	.60	.15	.10		T.		.05		.03								.20				4.54
Falmouth L	.2		.06			.26	.52	.45	.06	T.	T.	.75	.12	T.		.04	T.		.02							.16	.11	.04				3.03
Farmers L			.46			.11	.65	1.75	.57			.73	.29			.06										.26	.09	.24				5.48
Hendricksburg L			.16			.23	1.52	1.42	.06	.54		.44				.04										.44		.38				5.73
Ford, Lock No. 10 K	.17		.46	T.	T.	.05	1.12	.32	.09	T.		.40	.10			T.		.04	T.	.02						.10		.58				4.39
Jessamine, Dam 30 O	.43	T.	.38			.15	.55	.65	.15	T.		.77	.17			.05			.05							.20		.22				3.60
Marian C	1.05		.50			.88	1.07	.70	.05			.20							.51		.50					.21		.21				5.87
Maysville K	.84		.24	.03	.88	.86	.44	.59	.26			.32	.07	.04		T.		.10	.28	.05	.22						.01		.35			5.83
Meldelberg, Lock No. 14 K	.25		.12	.01		.12	1.94	1.51	.08			.40	.06			T.		.07	.10	.05						.05		.62				3.86
Mackson K	.74		.15		T.	.46	.60	1.25	.75	T.	T.	.58	.15			T.			.16							.26		.06				4.97
Monticello K	.65		.47	.10	.88	.12	.52	.33	.04		.13	.30	.05		.07	.23	.05	.24	.07	.20	.17							.30				5.66
Monticello, Dam 1 K	.30		.23			.10	.64	.74	.08			.86	.20													.05						4.21
Manchester K	.24		.23			.17	.65	1.16	.24			.34															.01		.35			5.11
Maysville O	.03		.08			.25	.77	1.26	.03			.92	.13	T.	T.	.04			T.								.30		.30				4.16
Middlesboro C	.50		.12	.11	1.04	.20	.59	.79			.06	.12	.02		.02				.82	.10	.72						.24		.38				4.21
Mount Sterling L						1.10	2.35	.32	.03		.46	.21	.10	T.	T.	T.		T.														5.88
Nepoma 39 O	.03	T.	.66		T.	.35	.72	.67	.03			.80	.10	T.		.01	T.		.02							.15		.02	.14			5.00
Nantsville K	.40					.70	.65	.58	.95			.56	.16			.03											.13	.08				4.10
Nicholasville K	.72		.08	.72		.46	.28	.28	.72			.46	.18	.06		T.			.12		.26							.10				4.69
Nine Mountain K	.20		.10	.08	.88	.64	.47	.27	.08	.02	.01	.15	.13	T.		T.		.04	.25	.03	.47					.01		.32	.18			3.60
Nipsaggus K																																
Nockcastle K	.97				.52	.88	1.02		T.									.18		T.												5.77
Novena, Lock No. 12 K	.13		.10			.19	.67	.48	.03			.49	.03	T.				.08	.05	.10							.07		.61				3.82
Nolamond K			.58		T.	.15	.90	1.53	.10		T.	.75	.10			T.		.04		.04						T.		.13				1.35
Nalker View, Lock No. 9 K		.46	T.		.03	1.15	1.48	T.			.38	.06		T.				.04		.04						.10		.12				8.26
Nancaster, Dam No. 32 O	.10		.12			.32	.56	.80	.08		.01	.54	.25													.13	.42					3.70
Nilliamsburg K																																
Nilliamsburg C	.81			.07		1.82	.33	.02	.03			.09						.48	.06	.30	.14							.08				4.71
Nillow, Lock No. 13 K		.88			.50		1.40	.24			.73	.05		T.		.05	.08	T.								.28						8.49

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

( ) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

Exact drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

‡ Lone Oak.

Daily Temperatures for April, 1935.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	63	62	61	67	64	62	58	54	51	59	61	54	52	66	64	52	51	66	63	68	68	69	76	81	87	85	79	82	79	66	..	65.3
	Minimum	50	48	45	45	57	49	46	41	40	42	52	43	41	44	50	24	39	47	51	52	49	44	48	53	56	58	58	59	59	44	..	47.1
Darlington	Maximum	65	63	58	68	66	62	57	53	60	61	62	55	52	66	66	54	57	66	68	68	70	71	79	83	87	88	83	83	70	67	..	66.4
	Minimum	50	49	45	47	54	56	47	39	40	42	52	44	41	38	40	33	37	48	50	53	50	40	44	50	52	55	57	57	60	41	..	47.0
Greenville	Maximum	62	62	57	67	64	62	58	50	58	59	61	61	56	64	63	54	57	64	65	68	68	75	81	85	86	88	80	77	64	..	..	65.3
	Minimum	49	47	43	44	53	50	46	37	38	35	50	41	39	33	39	32	34	46	49	53	49	41	42	49	56	53	56	56	59	41	..	45.2
Henderson	Maximum	62	60	58	67	64	62	58	50	58	59	61	61	56	64	63	54	57	64	66	71	72	73	77	82	85	89	76	84	71	61	..	66.7
	Minimum	46	46	41	41	53	46	45	38	35	46	51	42	38	37	36	31	41	44	45	47	46	41	48	54	56	54	57	56	57	40	..	45.9
Hopkinsville	Maximum	61	61	58	64	64	58	58	53	48	57	57	54	49	66	64	51	55	64	66	70	72	66	79	80	87	87	75	82	77	70	..	64.4
	Minimum	50	50	44	46	53	53	49	37	39	40	52	43	36	39	41	32	37	48	51	53	50	42	41	51	52	54	56	56	60	38	..	46.0
Lewisville	Maximum	62	62	55	69	67	67	57	49	51	58	58	50	48	63	66	50	56	57	69	67	66	69	78	77	81	87	86	78	82	75	70	..	66.3
	Minimum	50	48	42	44	49	49	46	36	38	41	48	43	40	35	38	31	40	47	49	51	46	38	44	48	54	55	55	55	59	41	..	45.1
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mayfield	Maximum	68	63	55	69	69	61	57	47	52	57	59	54	50	67	65	55	56	69	67	66	67	70	75	80	85	86	78	80	78	67	..	65.9
	Minimum	50	49	44	46	46	55	45	37	40	42	52	43	42	42	42	30	32	41	48	51	53	49	45	49	52	57	60	51	58	01	44	..	47.3
Murray	Maximum	65	62	62	73	65	70	59	48	56	61	62	51	57	70	68	58	60	69	65	71	70	71	81	85	90	90	79	85	77	70	..	68.5
	Minimum	50	48	41	45	48	52	45	33	38	38	48	41	40	36	39	30	40	39	39	46	46	40	42	46	52	56	56	57	59	38	..	43.9
Owensboro	Maximum	62	68	60	69	66	65	62	55	62	69	64	61	54	66	63	51	49	65	68	69	68	67	77	81	86	85	74	80	68	62	..	64.9
	Minimum	46	47	42	43	51	47	42	38	37	39	48	40	38	34	35	29	36	42	46	46	47	40	42	46	52	53	60	55	57	41	..	44.0
Princeton	Maximum	64	60	59	72	65	69	57	49	56	60	61	52	56	70	63	57	58	71	65	70	70	73	79	83	87	90	77	84	72	70	..	66.7
	Minimum	50	50	44	47	52	52	49	38	40	41	52	42	41	41	44	30	32	38	46	50	53	50	43	46	54	56	57	56	57	42	..	46.4
Russellville	Maximum	67	62	58	66	64	66	62	49	51	62	65	47	53	68	62	53	53	64	69	70	70	70	77	80	87	87	78	80	70	66	..	65.1
	Minimum	50	49	45	46	52	54	49	38	38	37	43	40	34	41	38	34	40	42	48	52	52	43	41	50	53	54	61	55	60	44	..	46.1
Central Division.																																	
Auburn	Maximum	64	58	55	64	62	58	51	47	46	55	56	47	48	63	54	50	50	62	64	70	68	68	73	76	79	86	72	74	69	64	..	61.6
	Minimum	46	46	41	37	41	42	45	39	38	42	43	42	38	40	38	28	38	38	42	46	45	39	39	42	54	48	51	47	51	47	38	..	42.1
Bardstown	Maximum	67	63	59	69	68	65	58	50	57	67	67	60	49	68	65	58	60	68	68	70	73	70	78	85	88	92	80	86	74	67	..	67.3
	Minimum	47	49	43	41	47	50	45	31	39	47	46	43	46	39	36	30	29	44	51	52	45	38	39	48	52	47	52	50	56	39	..	44.1
Bowling Green	Maximum	67	65	56	70	66	65	60	53	56	63	67	60	51	71	68	58	59	68	70	75	78	75	80	83	86	88	80	83	76	75	..	68.2
	Minimum	52	50	46	47	54	55	48	41	50	50	45	42	45	43	36	36	38	48	55	58	48	45	45	50	58	55	60	57	59	46	..	47.9
Danville	Maximum	65	65	53	64	63	60	60	51	47	55	64	53	51	64	58	46	52	60	67	70	64	66	73	79	79	85	75	81	71	61	..	63.3
	Minimum	48	49	42	41	46	46	46	39	42	42	41	42	38	37	39	27	28	43	45	51	49	36	41	48	51	46	50	56	54	42	..	43.2
Dix Dam	Maximum	60	58	57	66	64	62	60	53	58	57	62	60	50	64	58	49	55	65	69	72	68	69	75	81	81	88	85	81	70	67	..	65.3
	Minimum	50	52	45	43	48	48	45	43	43	44	47	48	41	38	40	30	30	35	52	54	52	39	40	44	52	45	62	58	57	45	..	46.1
Eubank	Maximum	65	62	58	61	63	58	80	78	76	68	52	62	54	58	54	41	53	62	70	64	65	68	71	77	70	87	76	80	71	56	..	64.1
	Minimum	53	51	41	43	48	50	53	51	48	46	41	39	40	39	38	28	26	41	47	51	41	36	38	42	52	52	60	54	49	37	..	44.1
Frankfort	Maximum	67	64	57	69	65	62	59	51	48	55	62	55	47	63	61	49	50	62	69	72	69	68	76	80	86	87	81	80	75	66	..	64.4
	Minimum	48	49	48	40	46	45	45	42	40	43	48	44	41	33	40	28	29	45	51	53	50	37	39	43	51	53	57	51	54	44	..	44.3
Franklin	Maximum	68	68	59	73	67	69	64	53	51	65	67	56	49	70	67	57	62	74	70	71	78	76	78	85	89	89	79	85	75	71	..	69.3
	Minimum	52	49	46	47	47	55	49	39	39	37	52	44	40	39	42	35	35	48	54	55	47	68	44	56	56	55	63	67	62	48	..	49.2
Glasgow	Maximum	67	65	60	72	62	67	61	54	47	63	66	58	47	64	59	48	60	69	71	72	76	78	77	86	87	89	82	89	72	72	..	67.5
	Minimum	49	50	46	45	50	50	48	40	40	36	52	42	41	34	42	33	38	48	52	54	54	42	41	50	56	56	56	56	59	45	43	..	46.9
Greensburg	Maximum	66	66	58	67	63	62	59	50	58	63	67	61	48	65	62	51	51	62	71	67	72	77	75	83	86	80	82	78	68	67	..	66.4
	Minimum	49	48	45	43	48	51	46	29	38	40	48	42	39	38	40	32	35	44	48	52	51	37	38	42	47	47	60	54	54	43	..	44.4
Irvington	Maximum	64	63	58	65	66	62	52	51	49	60	64	55	51	66	62	52	51	65	65	68	68	69	74	79	81	86	70	79	75	62	..	64.0
	Minimum	46	58	44	42	52	46	45	40	40	44	50	42	41	37	37	36	35	45	52	53	49	45	46	52	55	58	60	57	59	44	..	46.6
Leitchfield	Maximum	64	62	56	65	66	60	58	50	48	61	65	55	48	66	62	54	52	62	65	70	68	69	76	80	82	88	78	81	73	69	..	65.5
	Minimum	48	48	43	43	48	48	46	40	39	43	49	45	40	36	39	31	33	45	52	54	49	41	45	50	54	58	58	58	58	41	..	45.9
Lexington	Maximum	67	66	56	66	65	67	61	46	46	57	62	46	48	62	47	47	53	65	69	71	67	68	75	81	85	88	70	80	80	62	..	62.4
	Minimum	48	49	42	39	50	45	45	35	36	38	41	38	42	39	33	37	26	28	43	48	58	56	38	35	46	51	46	61	56	41	..	44.0
Louisville	Maximum	64	56	56	64	64	49	52	48	48	57	63	47	50	64	60	50	50	61	65	69	67	68	74	80	80	87	78	81	69	62	..	62.3
	Minimum	46	46	41	41	49	45	45	41	40	44	50	43	41	40	37	30	34	45	50	52	48	45	49	53	56	57	57	60	59	46	..	45.8
Mammoth Cave	Maximum	65	66	56	68	63	62	61	49	52	62	66	56	52	65	59	55	55	66	71	72	69	71	76	83	84	86	76	78	70	71	65	..	64.9
	Minimum	50	48	44	43	51	52	47	29	38	35	48	45	41	34	40	32	36	45	47	53	51	42	40	46	52	50	61	56	62	43	..	45.0
St. John	Maximum	63	61	56	65	65	60	55	53	48	59	65	58	45	61	60	52	50	61	64	70	68	70	74	81	85	87	83	85	73	65	..	63.3
	Minimum	45	46	42	39	45	47	44	40	38	39	43	43	39	38	37	27	26	43	46	48	38	40	44	48	50	50	54	55	39	..	..	43.3
Shelbyville	Maximum	66	61	54	62	63	61	59	46	56	62	57	55	49	67	64	49	47	59	66	69	66	64	74	77	79	78	80	76	78	76	69	..	62.9
	Minimum	46	47	40	38	38	39	43	41	38	42	44	43	40	38	37	27	26	43	43	47	41	33	49	47	49	56	54	57	46	..	..	43.4
Taylorsville	Maximum	65	62	56	63	61	62	57	52	48	57	65	58	47	64	58	48	51	65	66	69	66	65	72	78	79	84	76	78	69	62	..	63.3
	Minimum	47	48	43	40	46	45	45	42	40	44	46	43	40	39	39	29	29	39	45	50	50	37	37	44	55	55	55	55	55	44	..	44.4
Williamstown	Maximum	68	64	58	68	62	61	47	48	48	58	57	55	45	64	60	48	50	64	71	74	70	72	78	84	89	89	84	81	78	65	..	64.7
	Minimum	46	47	39	36	45	42	43	37	41	43	44	39	39	37	34	27	41	47	48	46	41	42	48	47	47	56	54	58	41	..	..	43.0
Eastern Division.																																	
Ashland	Maximum	67	67	60	66	66	59	53	52	49	54	58	54	48	62	61	42	48	59	71	74	68	67	71	73	76	85	75	81	75	69	..	64.0
	Minimum	53	53	44	41	55	42	45	43	40	44	46	41	39	42	36	28	34	49	52	53	38	39	41	42	43	44	57	56	48	..	..	44.3
Beattyville	Maximum	72	72	69	66	67	66	61	53	45	63	61	45	45	65	59	55	63	70	69	73	73	78	74	80	82	89	76	77	76	69	..	66.6
	Minimum	51	42	43	42	49	38	45	41	38	45	42	42	38	36	41	29	29	44	49	52	39	38	47	48	50	49	56	56	53	..	..	44.3
Farmers	Maximum	..	..	54	67	58	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	165.0
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Harlan	Maximum	74	74	72	67	62	63	58	56	56	61	61	53	61	61	60	60	61	63	70	64	64	68	77	80	80	83	79	78	..	68	..	166.0
	Minimum	57	56	50	45	49	51	49	42	41	40	46	47	41	41	43	32	42	46	58	60	61	63	58	65	63	61	57	55	53	..	..	148.4
Hazard	Maximum	70	70	59	68	62	62	64	56	45	58	63	55	47	65	58	46	55	67	66	72	67	70	77	82	84	87	78	80	72	64	..	65.1
Heidelberg	Maximum	55	56	45	45	46	48	43	41	44	42	47	42	45	43	36	37	44	50	55	54	50	54	58	68	70	75	62	72	52	43	..	44.7
Jackson	Maximum	67	69	59	67	63	60	58	53	48	59	57	58	52	48	52	45	52	63	68	70	71	68	66	75	82	80	84	84	80	64	..	65.3
Maysville	Maximum	48	46	43	38	47	42	44	44	39	42	44	49	39	35	37	36	31	40	47	46	48	37	39	41	47	42	60	55	51	45	..	43.2
Middlesboro	Maximum	78	76	69	76	71	69	62	58	47	62	61	52	48	..	76	54	63	..	73	70	64	73	77	81	85	85	79	80	76	..	..	168.5
Morehead	Maximum	54	54	47	47	47	48	46	39	37	40	47	44	38	..	51	34	45	50	58	52	50	57	63	67	72	73	67	71	66	..	..	144.2
Mount Sterling	Maximum	68	65	58	65	69	61	56	55	55	56	61	54	54	64	61	53	55	65	66	73	69	71	75	80	86	86	76	81	74	68	..	62.4
	Minimum	40	44	42	40	45	45	42	38	41	40	43	38	38	33	38	24	24	42	48	50	53	45	50	58	62	56	60	56	54	41	..	42.7
Pippapass	Maximum	70	70	66	66	63	59	59	58	54	56	64	62	54	63	61	56	60	69	72	70	68	67	75	80	81	88	84	81	77	66	..	67.1
	Minimum	65	55	45	43	45	51	42	41	40	41	41	37	39	33	44	27	26	41	50	55	51	39	37	39	44	40	55	51	50	44	..	42.7
Quicksand	Maximum	70	68	67	71	66	62	63	48	57	59	64	59	60	62	59	60	64	75	..	72	66	70	75	80	83	91	82	79	73	..	..	172.5
	Minimum	55	55	44	43	44	48	42	40	39	41	46	39	39	38	45	33	42	49	51	50	55	51	50	57	58	58	54	49	50	51	43	..	47.0
Torrent	Maximum	70	60	58	69	65	60	61	54	54	55	61	56	50	64	55	48	58	65	70	78	68	70	78	85	90	90	73	81	75	65	..	67.3
	Minimum	50	51	45	40	51	48	46	42	38	44	43	38	38	34	40	27	29	48	49	53	50	40	44	48	50	50	44	48	50	42	..	45.1
Williamsburg	Maximum	77	70	67	70	67	60	59	48	54	66	61	53	55	59	65	57	63	70	72	75	67	75	79	77	78	91	75	76	71	72	..	67.4
	Minimum	57	62	47	44	52	50	52	49	46	46	50	44	41	43	43	38	50	47	46	54	43	39	40	43	47	48	47	53	56	44	..	45.6

§§ Instruments are read in the morning; the max. min. temperature given is charged to the preceding day, on which it almost always occurs

.. etc. Indicate respectively 1, 2, 3 etc., days missing from record.

‡‡ 12-31 Louisville, 0.75-5.4-1.00

THE LIBRARY OF THE
MAY 14 1935
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

Vol. XI. LOUISVILLE, KY., MAY, 1935 No. 5

GENERAL SUMMARY.

Frequent moderate to heavy rains interfered seriously with farm work, especially in central, eastern, and northern districts. It became dry enough to plow and plant corn on two or three days in the second week, and again toward the end of the fourth week. Light showers on the last three days retarded but did not stop the work longer than a few hours. Corn planting continued during these brief favorable intervals as rapidly as the land could be made ready. It was well advanced in the bluegrass region when the month ended, but merely a good start had been made in the northern counties. Lighter rains and longer fair periods near the south border and in the southwestern counties permitted cotton and corn planting to proceed with less delay. Corn was up generally in that district, and the cultivation of cotton had commenced at the end of the month. The rise to normal temperature in the last week caused better germination.

Wheat, rye, and barley on flat lands died in spots where water stood or grew in irregular and stunted fashion. Wheat appeared unusually yellow and rusty, even on uplands, with the tendency to grow tall spindling straw and small heads. Sunshine and drier weather in the last decade caused some improvement. Barley harvest began in the southern counties in the last week.

Tobacco plants reached proper size and transplanting began near the middle of the month, but progress was slow because most land remained unprepared. Many plants became too large and yellowed in the beds.

Pastures and forage crops grew rank and weedy. Making first crop alfalfa hay succeeded fairly well in the southwestern counties, but cloudiness and showers interfered in other districts. Early strawberries in western and southern areas were seriously damaged by continued rain at time of ripening. Berries in the northern counties ripened in better weather and were not much injured.

Gardens have rarely been so backward and poor. Only cool weather growths made any progress of consequence. Except for delayed cultivation, potatoes developed fairly well. The month ended with farm work much delayed and seriously congested.

TEMPERATURE.

Except for a few warm days near the beginning, in the second week and near the end, unseasonably cool weather prevailed, with average temperatures 5° to 20° below normal. Minimum temperatures were not unusually low, but persistent cloudiness depressed the maxima. The extremes were 91° at Murray and Williamsburg on the 27th, and 26° at Middlesboro and Pippapass on the 1st.

PRECIPITATION

Precipitation averaged far above normal, and every part of the State received more than the average amount. Most heavy rain occurred in the periods 2d-7th, 10th, 15th-17th and [illegible]

and the south border [illegible]

The States is [illegible]

Days with thunderstorms: [illegible]

MISCELLANEOUS.

May 2. Approximately [illegible]

May 16. Two persons were drowned in Perry County when their boats were [illegible]

Flooding conditions [illegible]

Floods.—A rise in the Ohio [illegible]

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 7 a.m.	2 p.m.	7 p.m.	Dew-point at 7 a.m.
Cairo ..... Ill.	29.98	30.37	4	29.60	2	8.6	38	sw.	2	85	57	69	58
Cincinnati ..... Ohio	30.08	30.46	4	29.73	26	7.7	34	sw.	3	74	57	62	48
Evansville ..... Ind.	30.05	30.40	4	29.69	2	8.1	32	sw.	28	76	57	65	48
Louisville ..... Ky.	30.06	30.38	4	29.69	2	10.1	40	w.	2	77	62	64	50

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days. Precipitation .01 inch or more	clear.	Partly cloudy.	Cloudy.
1890	63.6	− 1.7	94	28	4.68	+0.01	7.61	2.46	...	..	..	..	..
1891	62.9	− 1.4	88	32	4.22	+0.18	7.25	2.46	...	..	..	..	..
1892	62.8	− 2.7	89	29	1.78	−2.26	4.39	0.05	...	..	..	..	..
1893	64.6	− 0.7	90	36	5.49	+1.45	10.05	2.65	...	..	..	..	..
1894	63.9	− 2.1	96	37	5.56	+1.55	16.41	2.59	...	..	..	..	..
1895	64.5	− 0.8	93	32	3.84	−0.56	6.23	1.85	...	..	..	..	..
1896	65.9	− 1.4	99	29	3.16	−0.88	6.62	1.44	...	8	12	11	8
1897	70.2	+ 3.3	100	42	5.24	+1.30	11.78	1.65	...	11	14	11	6
1898	64.4	− 3.6	92	32	2.27	−2.57	6.04	1.02	T	10	15	9	7
1899	67.6	+ 2.3	93	31	4.72	+0.48	6.46	2.58	0.2	10	15	11	5
1900	66.8	+ 3.5	94	42	4.76	+0.55	8.16	2.10	0	10	15	11	6
1901	66.3	+ 1.0	96	29	3.49	−0.56	6.10	0.28	0	11	13	12	8
1902	69.7	− 1.6	97	34	2.65	−1.49	4.41	1.21	0	10	12	9	10
1903	70.3	+ 4.7	98	36	3.53	−0.48	7.06	1.57	0	9	17	9	5
1904	68.5	+ 2.7	98	29	3.90	−0.95	6.18	0.52	0	8	15	10	6
1905	68.0	− 0.3	98	33	3.65	−0.97	6.93	1.48	0	10	14	9	8
1906	68.0	+ 2.7	95	38	5.24	+1.19	8.17	2.09	0	11	12	9	10
1907	69.6	+ 4.2	95	31	2.54	−1.56	5.10	0.63	T	9	16	7	8
1908	61.3	− 4.0	93	30	5.07	+1.09	9.68	2.36	0	12	12	7	12
1909	68.7	+ 1.4	96	28	4.34	+0.30	7.40	2.46	0	12	12	7	12
1910	69.9	− 1.4	98	27	4.64	+0.60	7.10	2.75	T	12	13	8	10
1911	69.1	+ 1.4	99	39	4.81	+0.77	7.61	2.18	0	12	13	6	12
1912	69.4	+ 4.1	105	39	2.46	−1.58	4.82	0.48	0	5	12	5	14
1913	66.7	+ 1.4	97	37	4.53	+0.40	7.36	2.18	0	10	16	6	9
1914	66.1	+ 0.8	99	29	2.72	−1.12	5.85	0.68	0	8	16	7	8
1915	68.5	+ 1.2	103	32	2.16	−1.84	4.06	0.66	0	8	16	7	8
1916	65.9	− 0.1	95	35	6.62	+2.78	8.89	3.84	0	15	9	5	17
1917	67.2	+ 1.9	98	33	4.05	−0.42	7.15	2.07	0	9	14	8	8
1918	58.9	− 6.4	90	33	2.23	−2.61	7.02	1.24	0	10	12	11	8
1919	69.4	+ 4.1	97	28	4.29	+0.26	7.49	1.57	0	8	16	7	7
1920	63.9	− 1.4	95	35	6.65	+2.01	11.62	3.51	0	14	8	8	14
1921	64.2	+ 1.1	94	32	4.68	+0.04	7.24	2.63	0	11	13	7	11
1922	65.2	+ 0.6	97	32	2.45	−1.59	5.85	1.10	0	8	16	6	7
1923	67.9	+ 2.6	94	38	2.87	−1.17	7.41	1.56	0	10	14	7	7
1924	63.9	− 1.4	91	27	2.98	−1.09	9.05	T	0	12	11	8	12
1925	67.8	− 5.3	99	34	5.05	+0.91	8.37	2.80	0	14	10	6	14
1926	61.2	+ 1.1	88	28	2.63	−1.44	4.44	0.17	T	7	17	8	6
1927	66.1	+ 0.9	101	31	2.66	−1.68	4.13	1.17	0	7	17	8	6
1928	65.7	+ 0.4	94	31	3.54	−0.80	12.06	0.32	0	10	16	5	11
1929	64.3	− 2.1	94	29	3.52	−0.84	6.36	1.66	0	9	16	6	9
1930	64.1	− 1.2	98	33	7.37	+3.25	13.21	3.86	T	14	7	9	14
1931	66.5	+ 1.2	94	38	2.92	−1.68	6.38	0.63	0	8	15	8	8
1932	66.7	− 2.6	97	30	2.76	−1.45	5.62	0.58	0	11	11	9	11
1933	67.1	− 0.2	92	37	1.38	−2.83	3.05	0.13	0	6	17	8	6
1934	68.7	+ 2.4	99	36	1.77	−2.47	5.63	0.24	0	6	16	9	6
1935	65.3	− 1.8	91	26	7.48	+3.26	11.66	3.16	0	11	11	9	11
Period	65.8	..	105	26	4.22	..	16.41	0.13	T	10	14	9	8

Climatological Data for May, 1935.

Stations	County	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches			Number of days					Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, inches.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
[illegible]	Mclean	437	31	64.4	− 2.2	88	12‡	41	4	32	6.80	+2.97	1.10	0	16	2	22	7	ne.	W. A. Taylor.
Calvert	Hopkins	420	45	65.9	− 1.1	89	12	43	4	34	6.51	+2.18	1.21	0	12	11	9	11	sw.	Brick Southworth.
Barlow	Crittenden	356	6	.....	.....	.....	.....	.....	.....	.....	6.50	.....	2.90	0	14	.....	.....	.....	s.	Lockmaster.
Towle Ferry, Dam 50	Muhlenburg	549	18	63.6	− 1.6	85	12‡	41	4‡	32	5.51	+1.54	1.20	0	14	9	15	7	s.	C. R. Lovell.
[illegible]ville	Muhlenburg	549	18	63.6	− 1.6	85	12‡	41	4‡	32	7.20	+3.27	1.49	0	14	6	8	17	n.	Richard Stites
Henderson	Henderson	382	21	65.4	.....	87	12	40	4‡	36	4.9+	+0.78	1.51	0	14	10	6	15	se.	W. E. Graves.
Hopkinsville	Christian	524	39	65.6	− 1.6	88	31	43	4‡	33	5.37	.....	1.38	0	7	13	6	9	s.	Blaine Malone.
Louisville	Ballard		6	65.0	.....	88	12‡	41	4	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	B. C. Paris.
[illegible]	Crittenden	571	36	.....	.....	.....	.....	.....	.....	.....	4.88	+0.66	0.95	0	6	11	15	5	s	Mrs. C. R. Sowell.
[illegible]	[illegible]	364	26	66.2	− 0.3	85	12‡	42	4	33	5.20	.....	1.30	0	9	11	8	12	e.	Harry B. Arnold
[illegible]	Calloway	412	9	65.8	.....	84	13‡	32	25	43	6.52	+2.65	1.70	0	10	12	3	16	nw.	Henry S. Berry.
[illegible]	Daviess	479	38	62.6	− 2.8	85	13	38	4	34	5.3	.....	1.02	0	13	.....	.....	.....	.....	Lockmaster.
[illegible]	Daviess	404	7	.....	.....	.....	.....	.....	.....	.....	5.2	.....	1.62	0	11	13	7	11	.....	C. J. Rhodes.
Owensboro, Dam 45	McCracken	316	18	.....	.....	.....	.....	.....	.....	.....	5.16	+0.75	1.20	0	9	.....	.....	.....	.....	J. W. Lilley
[illegible]	McCracken	341	46	.....	.....	.....	.....	.....	.....	.....	6.66	+2.18	1.19	0	11	6	16	9	n.	Dr. W. L. Cash.
Paducah, near §	Caldwell	329	58	69.8	− 1.3	89	12	42	4	36	6.66	+2.18	1.19	0	11	.....	.....	.....	.....	Lockmaster.
Princeton	Caldwell	384	18	.....	.....	.....	.....	.....	.....	.....	6.29	+2.18	1.30	0	12	.....	.....	.....	.....	Wm. Shelton.
[illegible] Lock 2	Webster	500	24	64.6	− 1.1	89	27	41	25	35	5.20	+1.33	1.22	0	10	13	7	11	s.	Lockmaster.
[illegible]	Union	357	7	.....	.....	.....	.....	.....	.....	.....	9.89	.....	3.37	0	14	.....	.....	.....	.....	
[illegible]derson, Dam 49	Henderson																			
[illegible]	Breckinridge	352	7	.....	.....	.....	.....	.....	.....	.....	8.49	.....	2.93	0	16	.....	.....	.....	.....	Lockmaster.
[illegible] Dam 45	Jefferson	500	31	60.5	− 2.9	84	12	39	4	30	8.67	+5.03	2.31	0	16	13	7	11	ne.	C. E. Barret.
[illegible]	Nelson	637	38	62.0	− 3.9	89	13	39	4	38	8.75	+4.78	1.60	0	13	15	5	11	w.	Mrs. Fanny T. Sisco.
[illegible]rdsville	Nelson	637	38	62.0	− 3.9	89	13	39	4	38	8.75	+4.78	1.60	0	13	15	5	11	w.	Mrs. Lillie G. Causey.
Bowling Green	Warren	509	46	65.0	− 2.5	88	13	44	4‡	34	6.87	+2.52	1.10	0	12	10	12	9	w.	Lockmaster.
Bowling Green, No. 2	Warren	462	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lockmaster.
[illegible]sville, Lock 6‡	Warren	420	18	.....	.....	.....	.....	.....	.....	.....	6.44	+2.79	1.19	0	16	.....	.....	.....	.....	Lockmaster.
[illegible]	Robinson	773	44	.....	.....	.....	.....	.....	.....	.....	5.15	+1.10	0.58	0	13	.....	.....	.....	.....	T. A. Lewis
[illegible]	Pulaski	773	44	.....	.....	.....	.....	.....	.....	.....	6.77	+2.71	1.77	0	13	.....	.....	.....	.....	Lockmaster.
Carrollton, Lock 1	Carroll	480	36	.....	.....	.....	.....	.....	.....	.....	9.17	+4.77	3.44	0	18	.....	.....	.....	.....	Lockmaster.
Camp Nelson, Dam 55	Campbell	480	9	.....	.....	.....	.....	.....	.....	.....	5.47	+3.46	1.04	0	15	5	12	14	sw.	Ralph C. Wyatt.
[illegible]ville	Boyle	540	2	62.0	.....	85	9‡	39	4	31	6.37	+4.76	1.53	0	15	13	14	4	s.	C. W. Williams.
[illegible] Bowman	Mercer	770	7	63.1	− 1.7	86	12‡	41	25	45	6.56	+1.97	1.27	0	14	13	7	11	s.	Mrs. Katie Payne.
[illegible]	Pulaski	1117	41	63.2	− 0.8	87	12	42	26	46	8.15	+4.75	2.25	0	15	10	11	10	e.	Lockmaster.
[illegible]	Franklin	504	43	62.4	− 2.8	87	13	40	4	35	8.03	+0.61	1.00	0	14	13	10	8	s.	Marcus Gatewood.
[illegible]	Simpson	891	40	67.4	+ 0.4	90	12	43	25	38	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lockmaster.
[illegible]	[illegible]	490	24	.....	.....	.....	.....	.....	.....	.....	9.07	+4.80	1.93	0	14	.....	.....	.....	.....	
Green, Lock 3	[illegible]	780	9	61.8	.....	91	13	41	25	34	5.56	.....	1.13	0	9	16	8	7	e.	T. L. Beatty.
[illegible]	Bourbon	780	9	61.8	.....	91	13	41	25	34	4.92	.....	1.22	0	17	.....	.....	.....	.....	Lockmaster.
[illegible]	[illegible]	750	10	.....	.....	.....	.....	.....	.....	.....	7.21	+2.95	1.63	0	20	4	5	22	n.	Mrs. Bettie K. H. Alcorn
Grant, Dam 38	Boone	581	42	61.7	− 2.8	83	9‡	38	25	37	6.41	+1.82	1.63	0	16	.....	.....	.....	.....	Lockmaster.
[illegible]	Grant	544	33	.....	.....	.....	.....	.....	.....	.....	6.41	+1.82	1.63	0	16	.....	.....	.....	.....	W. J. Piggott
[illegible] Lock 7	[illegible]sline	646	37	62.8	− 3.2	86	13	40	4	27	7.35	+3.75	1.61	0	11	9	11	11	sw.	Walter Killion.
[illegible]ington	Breckinridge	1032	9	.....	.....	.....	.....	.....	.....	.....	7.72	+3.71	1.99	0	17	.....	.....	.....	.....	H. H. Willis.
[illegible]wood	Garrard	1032	9	.....	.....	.....	.....	.....	.....	.....	7.68	+3.36	1.95	0	17	6	16	9	sw.	C. S. Weather Bureau
[illegible]	Grayson	655	28	65.2	− 2.1	87	13	43	4	39	10.42	+6.54	2.75	0	18	12	6	13	ne.	Lockmaster.
[illegible]	Fayette	989	51	61.3	− 5.1	84	13	39	4	35	8.05	+4.13	1.50	0	15	.....	.....	.....	.....	Lockmaster.
[illegible]	[illegible]sville	560	24	.....	.....	.....	.....	.....	.....	.....	9.25	+5.72	2.47	0	14	.....	.....	.....	.....	
[illegible] Jackson, Lock 8‡	Bullitt	385	25	.....	.....	.....	.....	.....	.....	.....	8.25	+4.92	2.28	0	18	6	8	17	n.	C. S. Weather Bureau
[illegible] Lock 2	Jackson	525	62	62.2	− 4.4	85	12	40	4	31	7.23	.....	2.53	0	14	11	14	6	s.	Jean J. Ellsworth.
[illegible] Cave	[illegible]	.....	.....	62.8	.....	85	12	38	25	36	7.77	+3.50	1.18	0	17	14	4	13	.....	Sisters of Loretto.
[illegible]	Bullitt	777	39	61.1	− 3.1	89	13	37	4	34	7.33	+3.75	2.20	0	12	.....	.....	.....	.....	Lockmaster.
[illegible] Lock 10	Mercer	580	21	.....	.....	.....	.....	.....	.....	.....	8.81	+4.99	2.62	0	15	9	2	20	n.	Miss Laura Batta,
[illegible]	Shelby	825	46	61.8	− 3.1	85	13	38	4	31	8.71	+4.95	.....	.....	.....	.....	.....	.....	.....	Elizabeth J. Bourne.
[illegible]sville	Spencer	489	33	.....	.....	.....	.....	.....	.....	.....	8.05	+5.10	2.50	.....	11	.....	.....	.....	.....	Lockmaster.
[illegible] Lock 5‡	Anderson	524	17	.....	.....	.....	.....	.....	.....	.....	8.52	+5.04	2.70	0	15	15	3	13	w.	Mrs. Nettie B. Simpson.
[illegible]stown	Nelson	935	32	65.2	− 0.5	86	28	38	4	35	6.11	+2.34	1.76	0	13	.....	.....	.....	.....	Lockmaster.
[illegible] Lock 14	Butler	504	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
[illegible] Dam 39	Jackson		4	.....	.....	.....	.....	.....	.....	.....	6.22	.....	1.80	0	14	6	9	16	n.w.	W. A. Worthington.
[illegible]ville	Boyd	534	16	62.8	− 1.5	83	9‡	39	25	37	7.82	+4.87	1.88	0	15	6	11	14	nw.	Lockmaster.
[illegible]	Madison	1070	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chas. C. Graham.
[illegible] Lock 11	Madison	611	25	.....	.....	.....	.....	.....	.....	.....	7.75	+3.70	1.52	0	13	.....	.....	.....	.....	Lockmaster.
[illegible]	Harrison	684	17	.....	.....	.....	.....	.....	.....	.....	8.34	+5.10	2.20	0	13	.....	.....	.....	.....	C. H. Bethel.
[illegible]	Hazelton	600	46	.....	.....	.....	.....	.....	.....	.....	8.15	+4.70	2.48	0	14	.....	.....	.....	.....	L. V. Oldham.
[illegible]	Lawson	668	27	.....	.....	.....	.....	.....	.....	.....	6.75	+3.15	1.11	0	11	7	11	13	e	Mrs. R. F. Stamper.
[illegible]	Fleming	841	10	.....	.....	.....	.....	.....	.....	.....	9.36	+6.19	2.26	0	12	.....	.....	.....	.....	C. A. Glascock.
[illegible] Ferry	Clark	667	19	.....	.....	.....	.....	.....	.....	.....	8.11	+4.88	2.07	0	17	.....	.....	.....	.....	Lockmaster.
[illegible] Lock 16‡	[illegible]	510	15	.....	.....	.....	.....	.....	.....	.....	7.55	+4.21	1.52	0	15	.....	.....	.....	.....	Lockmaster.
[illegible], Dam 30	Casenuib	1137	7	64.9	.....	84	2	42	25	34	2.12	.....	1.91	0	5	13	5	12	s.	W. W. Trunfield.
[illegible]	Bigbin	869	11	.....	.....	.....	.....	.....	.....	.....	10.09	+5.51	1.56	0	17	.....	.....	.....	.....	Geo. O. Berg.
[illegible]	Perry	663	18	63.3	.....	86	9‡	39	1	38	7.44	+2.52	1.81	0	16	7	7	17	sw.	Lockmaster.
[illegible]	Lee	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.91	.....	1.50	0	13	.....	.....	.....	.....	Jas. T. Gott.
[illegible]	[illegible]	1056	11	.....	.....	.....	.....	.....	.....	.....	7.46	+3.75	1.10	0	16	.....	.....	.....	.....	R. R. Davidson.
[illegible]	Lawrence	554	15	.....	.....	.....	.....	.....	.....	.....	7.72	+3.99	1.20	0	14	.....	.....	.....	.....	Lockmaster.
[illegible]	Harrison	.....	.....	.....	.....	.....	.....	.....	.....	.....	10.12	+6.58	2.69	0	12	.....	.....	.....	.....	Samuel H. White.
[illegible]	[illegible]	.....	15	.....	.....	.....	.....	.....	.....	.....	8.18	+4.78	2.02	0	14	.....	.....	.....	.....	Lockmaster.
[illegible]	Logan	533	.....	62.8	− 1.7	86	28	39	4	37	7.47	+3.54	1.88	0	14	13	7	13	s.	Lockmaster.
[illegible]	Bell	1135	5	664.1	.....	864	2	36	1	4	8.25	−2.66	1.88	0	14	15	10	12	.....	Jas. C. Woodson
[illegible]	Montgomery	950	15	61.4	− 2.6	87	12	39	4	35	8.25	+3.97	1.57	0	22	15	1	20	w.	C. K. McKee.
[illegible]	Campbell	807	8	.....	.....	.....	.....	.....	.....	.....	5.75	.....	1.75	0	15	.....	.....	.....	.....	Lockmaster.
[illegible]	Jessamine	967	1	.....	.....	.....	.....	.....	.....	.....	8.5	.....	2.40	0	18	.....	.....	.....	.....	Manuel Robinson.
[illegible]	[illegible]	633	29	.....	.....	.....	.....	.....	.....	.....	9.67	+6.01	2.12	0	18	.....	.....	.....	.....	Robert Bepiss.
[illegible]	[illegible]	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.87	.....	2.73	0	18	15	1	20	.....	August D. Angel.
[illegible]	Marion	1035	1	65.2	.....	86	13	39	1	44	.....	.....	1.06	.....	14	6	6	25	.....	A. W. Summerfield.
[illegible]	Union	500	5	663.2	.....	880	9	37	1	39	5.80	+5.27	1.06	0	5	T	.....	.....	.....	R. W. Jones.
[illegible]	[illegible]	671	17	.....	.....	.....	.....	.....	.....	.....	7.82	+3.56	1.25	0	16	.....	.....	.....	.....	Lockmaster.
[illegible]	[illegible]	671	11	61.8	− 3.7	86	11	41	4	31	8.08	+4.78	1.73	0	16	13	1	17	.....	W. Crooke.
[illegible]	[illegible]	671	11	.....	.....	.....	.....	.....	.....	.....	5.85	+2.56	1.56	0	14	.....	.....	.....	.....	Lockmaster.
[illegible] Lock 6	[illegible]	671	10	.....	.....	.....	.....	.....	.....	.....	7.82	+4.43	1.53	0	16	.....	.....	.....	.....	Lockmaster.
[illegible]	[illegible]	671	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lockmaster.
[illegible]	[illegible]	1130	10	.....	.....	.....	.....	.....	.....	.....	5.64	+3.45	1.20	0	13	18	10	3	.....	H. F. Davis.
[illegible]	[illegible]	806	18	66.9	+ 1.0	91	12	41	1	50	7.54	+3.75	2.15	0	16	.....	.....	.....	.....	Lockmaster.
[illegible]	[illegible]	806	10	.....	.....	.....	.....	.....	.....	.....	7.68	+3.75	2.12	0	12	18	10	1	s.	

[illegible] temperatures are based upon self-registering thermometers.

‡ Temperatures and precipitation are means for [illegible] years of record, but all remaining items are for [illegible] years of record, but all remaining items are for 10 years of record, but all remaining items are for 10 years of record, but all remaining items are for 10

Daily Precipitation for May, 1929.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																														
Allegan																														
Bee Tavern																														
Berrys Ferry Dam 30																														
Bloomfield																														
Brandenburg																														
Brownsboro																														
Buechel																														
Burkesville																														
Calhoun																														
Campbellsville																														
Carrollton																														
Cave City																														
Clarkson																														
Cloverport																														
Corydon																														
Cynthiana																														
Dawson Springs																														
Dixon																														
Dry Ridge																														
Eddyville																														
Elizabethtown																														
Falmouth																														
Flemingsburg																														
Fort Thomas																														
Frankfort																														
Franklin																														
Georgetown																														
Glasgow																														
Glasgow Junction																														
Grayson																														
Greensburg																														
Greenup, Lock No. 7																														
Harrodsburg																														
Hartford																														
Hawesville																														
Hazard																														
Henderson																														
Hickman																														
Hickman, Lock No. 1																														
Hodgenville																														
Hopkinsville																														
Irvington																														
Jackson																														
Jamestown																														
Kuttawa																														
Lancaster																														
Lebanon																														
Leitchfield																														
Lexington																														
Liberty																														
Livermore																														
Louisa																														
Louisville																														
Louisville, Cannelton Canal																														
Louisville, Lock No. 41																														
Louisville, Lock No. 42																														
Louisville, Lock No. 43																														
Louisville, Lock No. 44																														
Louisville, Lock No. 45																														
Louisville, Lock No. 46																														
Louisville, Lock No. 47																														
Louisville, Lock No. 48																														
Louisville, Lock No. 49																														
Louisville, Lock No. 50																														
Louisville, Lock No. 51																														
Louisville, Lock No. 52																														
Louisville, Lock No. 53																														
Louisville, Lock No. 54																														
Louisville, Lock No. 55																														
Louisville, Lock No. 56																														
Louisville, Lock No. 57																														
Louisville, Lock No. 58																														
Louisville, Lock No. 59																														
Louisville, Lock No. 60																														
Louisville, Lock No. 61																														
Louisville, Lock No. 62																														
Louisville, Lock No. 63																														
Louisville, Lock No. 64																														
Louisville, Lock No. 65																														
Louisville, Lock No. 66																														
Louisville, Lock No. 67																														
Louisville, Lock No. 68																														
Louisville, Lock No. 69																														
Louisville, Lock No. 70																														
Louisville, Lock No. 71																														
Louisville, Lock No. 72																														
Louisville, Lock No. 73																														
Louisville, Lock No. 74																														
Louisville, Lock No. 75																														
Louisville, Lock No. 76																														
Louisville, Lock No. 77																														
Louisville, Lock No. 78																														
Louisville, Lock No. 79																														
Louisville, Lock No. 80																														
Louisville, Lock No. 81																														
Louisville, Lock No. 82																														
Louisville, Lock No. 83																														
Louisville, Lock No. 84																														
Louisville, Lock No. 85																														
Louisville, Lock No. 86																														
Louisville, Lock No. 87																														
Louisville, Lock No. 88																														
Louisville, Lock No. 89																														
Louisville, Lock No. 90																														
Louisville, Lock No. 91																														
Louisville, Lock No. 92																														
Louisville, Lock No. 93																														
Louisville, Lock No. 94																														
Louisville, Lock No. 95																														
Louisville, Lock No. 96																														
Louisville, Lock No. 97																														
Louisville, Lock No. 98																														
Louisville, Lock No. 99																														
Louisville, Lock No. 100																														
Louisville, Lock No. 101																														
Louisville, Lock No. 102																														
Louisville, Lock No. 103																														
Louisville, Lock No. 104																														
Louisville, Lock No. 105																														
Louisville, Lock No. 106																														
Louisville, Lock No. 107																														
Louisville, Lock No. 108																														
Louisville, Lock No. 109																														
Louisville, Lock No. 110																														
Louisville, Lock No. 111																														
Louisville, Lock No. 112																														
Louisville, Lock No. 113																														
Louisville, Lock No. 114																														
Louisville, Lock No. 115																														
Louisville, Lock No. 116																														
Louisville, Lock No. 117																														
Louisville, Lock No. 118																														
Louisville, Lock No. 119																														
Louisville, Lock No. 120																														
Louisville, Lock No. 121																														
Louisville, Lock No. 122																														
Louisville, Lock No. 123																														
Louisville, Lock No. 124																														
Louisville, Lock No. 125																														
Louisville, Lock No. 126																														
Louisville, Lock No. 127																														
Louisville, Lock No. 128																														
Louisville, Lock No. 129																														
Louisville, Lock No. 130																														
Louisville, Lock No. 131																														
Louisville, Lock No. 132																														
Louisville, Lock No. 133																														
Louisville, Lock No. 134																														
Louisville, Lock No. 135																														
Louisville, Lock No. 136																														
Louisville, Lock No. 137																														
Louisville, Lock No. 138																														
Louisville, Lock No. 139																														
Louisville, Lock No. 140																														
Louisville, Lock No. 141																														
Louisville, Lock No. 142																														
Louisville, Lock No. 143																														
Louisville, Lock No. 144																														
Louisville, Lock No. 145																														
Louisville, Lock No. 146																														
Louisville, Lock No. 147																														
Louisville, Lock No. 148																														
Louisville, Lock No. 149																														
Louisville, Lock No. 150																														
Louisville, Lock No. 151																														
Louisville, Lock No. 152																														
Louisville, Lock No. 153																														
Louisville, Lock No. 154																														
Louisville, Lock No. 155																														
Louisville, Lock No. 156																														
Louisville, Lock No. 157																														
Louisville, Lock No. 158																														
Louisville, Lock No. 159																														
Louisville, Lock No. 160																														
Louisville, Lock No. 161																														
Louisville, Lock No. 162																														
Louisville, Lock No. 163																														
Louisville, Lock No. 164																														
Louisville, Lock No. 165																														
Louisville, Lock No. 166																														
Louisville, Lock No. 167																														
Louisville, Lock No. 168																														
Louisville, Lock No. 169																														
Louisville, Lock No. 170																														
Louisville, Lock No. 171																														
Louisville, Lock No. 172																														
Louisville, Lock No. 173																														
Louisville, Lock No. 174																														
Louisville, Lock No. 175																														
Louisville, Lock No. 176																														
Louisville, Lock No. 177																														
Louisville, Lock No. 178																														
Louisville, Lock No. 179																														
Louisville, Lock No. 180																														
Louisville, Lock No. 181																														
Louisville, Lock No. 182																														
Louisville, Lock No. 183																														
Louisville, Lock No. 184																														
Louisville, Lock No. 185																														
Louisville, Lock No. 186																														
Louisville, Lock No. 187																														
Louisville, Lock No. 188																														
Louisville, Lock No. 189																														
Louisville, Lock No. 190																														
Louisville, Lock No. 191																														
Louisville, Lock No. 192																														
Louisville, Lock No. 193																														
Louisville, Lock No. 194																														
Louisville, Lock No. 195																														
Louisville, Lock No. 196																														
Louisville, Lock No. 197																														
Louisville, Lock No. 198																														
Louisville, Lock No. 199																														
Louisville, Lock No. 200																														
Louisville, Lock No. 201																														
Louisville, Lock No. 202																														
Louisville, Lock No. 203																														
Louisville, Lock No. 204																														
Louisville, Lock No. 205																														
Louisville, Lock No. 206																														
Louisville, Lock No. 207																														
Louisville, Lock No. 208																														
Louisville, Lock No. 209																														
Louisville, Lock No. 210																														
Louisville, Lock No. 211																														
Louisville, Lock No. 212																														
Louisville, Lock No. 213																														
Louisville, Lock No. 214																														
Louisville, Lock No. 215																														
Louisville, Lock No. 216																														
Louisville, Lock No. 217																														
Louisville, Lock No. 218																														
Louisville, Lock No. 219																														
Louisville, Lock No. 220																														
Louisville, Lock No. 221																														
Louisville, Lock No. 222																														
Louisville, Lock No. 223																														
Louisville, Lock No. 224																														
Louisville, Lock No. 225																														
Louisville, Lock No. 226																														
Louisville, Lock No. 227																														
Louisville, Lock No. 228																														
Louisville, Lock No. 229																														
Louisville, Lock No. 230																														
Louisville, Lock No. 231																														
Louisville, Lock No. 232																														
Louisville, Lock No. 233																														
Louisville, Lock No. 234																														
Louisville, Lock No. 235																														
Louisville, Lock No. 236																														
Louisville, Lock No. 237																														
Louisville, Lock No. 238																														
Louisville, Lock No. 239																														
Louisville, Lock No. 240																														
Louisville, Lock No. 241																														
Louisville, Lock No. 242																														
Louisville, Lock No. 243																														
Louisville, Lock No. 244																														
Louisville, Lock No. 245																														
Louisville, Lock No. 246																														
Louisville, Lock No. 247																														
Louisville, Lock No. 248																														
Louisville, Lock No. 249																														
Louisville, Lock No. 250																														
Louisville, Lock No. 251																														
Louisville, Lock No. 252																														
Louisville, Lock No. 253																														
Louisville, Lock No. 254																														
Louisville, Lock No. 255																														
Louisville, Lock No. 256																														
Louisville, Lock No. 257																														
Louisville, Lock No. 258																														
Louisville, Lock No. 259																														
Louisville, Lock No. 260																														
Louisville, Lock No. 261																														
Louisville, Lock No. 262																														
Louisville, Lock No. 263																														
Louisville, Lock No. 264																														
Louisville, Lock No. 265																														
Louisville, Lock No. 266																														
Louisville, Lock No. 267																														
Louisville, Lock No. 268																														
Louisville, Lock No. 269																														
Louisville, Lock No. 270																														
Louisville, Lock No. 271																														
Louisville, Lock No. 272																														
Louisville, Lock No. 273																														
Louisville, Lock No. 274																														
Louisville, Lock No. 275																														
Louisville, Lock No. 276																														
Louisville, Lock No. 277																														
Louisville, Lock No. 278																														
Louisville, Lock No. 279																														
Louisville, Lock No. 280																														
Louisville, Lock No. 281																														
Louisville, Lock No. 282																														
Louisville, Lock No. 283																														
Louisville, Lock No. 284																														
Louisville, Lock No. 285																														
Louisville, Lock No. 286																														
Louisville, Lock No. 287																														
Louisville, Lock No. 288																														
Louisville, Lock No. 289																														
Louisville, Lock No. 290																														
Louisville, Lock No. 291																														
Louisville, Lock No. 292																														
Louisville, Lock No. 293																														
Louisville, Lock No. 294																														
Louisville, Lock No. 295																														
Louisville, Lock No. 296																														
Louisville, Lock No. 297																														
Louisville, Lock No. 298																														
Louisville, Lock No. 299																														
Louisville, Lock No. 300																														
Louisville, Lock No. 301																														
Louisville, Lock No. 302																														
Louisville, Lock No. 303																														
Louisville, Lock No. 304																														
Louisville, Lock No. 305																														
Louisville, Lock No. 306																														
Louisville, Lock No. 307																														
Louisville, Lock No. 308																														
Louisville, Lock No. 309																														
Louisville, Lock No. 310																														
Louisville, Lock No. 311																														
Louisville, Lock No. 312																														
Louisville, Lock No. 313																														
Louisville, Lock No. 314																														
Louisville, Lock No. 315																														
Louisville, Lock No. 316																														
Louisville, Lock No. 317																														
Louisville, Lock No. 318																														
Louisville, Lock No. 319																														
Louisville, Lock No. 320																														
Louisville, Lock No. 321																														
Louisville, Lock No. 322																														
Louisville, Lock No. 323																														
Louisville, Lock No. 324																														
Louisville, Lock No. 325																														
Louisville, Lock No. 326																														
Louisville, Lock No. 327																														
Louisville, Lock No. 328																														
Louisville, Lock No. 329																														
Louisville, Lock No. 330																														
Louisville, Lock No. 331																														
Louisville, Lock No. 332																														
Louisville, Lock No. 333																														
Louisville, Lock No. 334																														
Louisville, Lock No. 335					

Daily Temperatures for May, 1935.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	75	76	72	52	54	65	65	70	82	76	81	88	88	76	72	69	72	76	68	68	72	78	74	69	75	80	81	84	78	80	85	74.3
	Minimum	47	62	47	41	45	53	52	45	66	69	58	62	69	66	51	54	50	49	52	69	52	51	51	39	47	48	57	64	64	66	64	54.6
Darlington	Maximum	78	80	77	58	56	68	67	80	85	78	84	86	87	80	76	72	76	78	72	69	72	74	77	70	75	78	83	85	82	84	86	76.6
	Minimum	44	70	61	43	45	54	52	56	61	60	54	64	70	66	51	51	47	51	55	49	50	49	56	51	44	54	66	65	63	64	67	55.2
Greenville	Maximum	77	80	76	56	55	68	66	78	88	77	82	85	85	80	78	65	69	78	71	71	70	72	75	65	71	76	81	83	79	84	87	74.6
	Minimum	43	64	55	41	43	52	50	46	60	58	51	58	65	62	52	50	49	50	53	45	53	55	55	41	43	53	60	62	63	60	68	52.5
Henderson	Maximum	74	75	73	49	50	67	66	74	82	81	86	87	85	76	72	64	71	78	67	69	76	79	78	73	78	80	83	86	81	84	85	74.1
	Minimum	41	61	47	40	44	50	51	47	61	51	64	66	67	51	51	51	47	51	51	53	49	53	47	46	48	56	63	62	63	60	63	52.6
Hopkinsville	Maximum	76	80	78	56	56	66	65	78	84	80	82	87	87	78	73	69	72	76	73	72	76	78	76	73	76	76	84	85	79	87	88	76.3
	Minimum	41	68	56	43	45	54	53	47	58	71	55	60	64	63	56	57	47	50	56	57	50	49	55	42	43	45	55	59	65	66	61	54.9
Lovelaceville	Maximum	80	77	72	58	60	70	73	80	84	74	85	86	85	82	76	72	76	76	72	73	77	74	76	71	75	78	84	84	79	84	87	77.1
	Minimum	48	62	56	41	48	52	52	50	60	57	56	61	60	56	56	53	46	53	57	56	51	49	52	39	41	44	56	65	62	60	61	51.0
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mayfield	Maximum	79	82	75	50	54	66	71	78	82	76	82	86	88	82	77	72	69	72	82	78	69	72	78	71	72	78	81	83	78	85	89	75.8
	Minimum	45	70	58	42	45	53	54	52	61	60	56	65	68	66	55	55	49	55	60	58	51	57	56	49	47	50	62	63	62	60	66	56.5
Murray	Maximum	83	85	77	57	57	70	73	84	88	79	85	90	93	86	78	75	77	79	80	80	74	77	78	70	73	79	83	86	82	88	90	76.3
	Minimum	46	68	55	42	43	53	53	46	63	58	55	63	64	61	51	50	51	55	59	59	50	47	52	45	46	50	59	60	60	62	58	57.5
Owensboro	Maximum	74	78	72	58	54	66	68	78	80	78	81	83	85	76	66	64	70	73	70	69	73	76	75	69	73	78	81	83	79	83	86	73.9
	Minimum	47	65	58	38	42	50	50	44	58	57	52	59	65	62	49	43	42	45	46	49	45	46	46	39	41	46	56	59	59	61	60	52.3
Princeton	Maximum	81	80	75	61	56	69	70	84	85	79	86	90	87	82	75	66	71	75	77	77	76	75	77	70	75	78	85	87	83	87	90	76.7
	Minimum	46	66	61	42	45	54	54	48	60	56	57	61	66	63	50	50	50	52	57	58	51	47	51	42	45	50	59	62	61	62	64	54.8
Russellville§§	Maximum	77	79	78	66	65	68	68	79	86	74	84	88	91	85	79	75	75	79	75	69	74	75	69	74	75	80	85	89	85	79	88	76.5
	Minimum	48	53	55	44	44	51	53	55	57	58	55	57	63	64	55	56	47	52	55	57	50	46	51	51	41	43	55	55	64	62	60	53.7
Central Division.																																	
Apperson	Maximum	68	73	73	68	65	67	69	72	82	72	78	85	83	70	61	61	67	70	60	57	69	72	68	64	70	73	78	81	74	78	78	70.9
	Minimum	48	60	44	29	44	51	50	51	54	56	49	55	62	54	51	51	45	45	51	48	45	42	50	45	45	41	48	48	50	51	56	49.8
Bardstown	Maximum	79	76	78	70	62	69	69	72	82	77	85	87	87	81	71	69	72	76	75	79	63	69	75	68	68	71	80	80	80	81	86	75.5
	Minimum	44	59	59	35	41	45	44	42	52	55	51	61	62	46	43	44	42	43	45	44	42	38	43	41	42	42	47	46	60	58	65	48.6
Bowling Green	Maximum	78	83	78	68	61	68	65	80	84	79	84	85	88	83	73	69	70	74	68	73	71	75	78	69	72	79	84	86	78	83	83	75.6
	Minimum	45	63	54	44	45	53	52	47	55	57	53	57	60	53	54	55	48	52	53	55	50	50	52	48	47	51	57	58	63	63	63	53.6
Danville	Maximum	75	75	79	69	71	72	65	76	80	77	77	84	85	71	68	61	63	72	66	70	72	78	73	70	74	80	82	75	79	80	78.4
	Minimum	43	54	59	39	42	53	51	49	55	57	53	58	61	61	51	42	43	48	52	52	50	49	52	48	46	49	56	58	59	60	60	50.5
Dix Dam	Maximum	72	75	79	78	71	72	66	76	83	83	81	87	87	74	69	64	66	73	71	68	70	74	71	68	71	77	81	83	82	81	82	74.9
	Minimum	41	54	61	42	47	57	56	51	62	69	47	59	47	64	53	48	46	44	53	54	50	50	48	48	41	43	46	57	60	60	66	51.3
Eubank	Maximum	73	85	82	65	70	73	75	75	75	82	79	72	75	70	66	68	74	69	69	76	63	82	70	64	73	78	82	77	81	78	73	73.4
	Minimum	56	60	56	47	49	56	54	52	59	57	49	57	52	60	56	61	50	56	51	52	51	52	48	48	50	53	58	58	59	63	61	53.7
Frankfort	Maximum	67	75	79	68	62	71	67	77	83	77	76	85	88	71	64	61	67	71	72	68	68	74	75	69	74	78	83	86	82	83	86	74.1
	Minimum	44	60	60	40	46	54	52	55	59	60	46	52	62	60	51	47	46	45	52	52	50	48	49	44	42	43	46	53	61	63	62	52.7
Franklin	Maximum	82	82	80	71	67	67	73	85	88	83	88	90	89	86	80	71	70	77	75	75	73	75	79	77	74	81	86	86	79	89	87	77.8
	Minimum	48	68	61	49	48	48	47	49	58	58	56	63	72	68	66	56	50	49	47	50	51	50	51	50	48	51	55	57	62	64	67	55.3
Glasgow	Maximum	79	82	80	67	67	70	68	81	87	86	86	89	91	86	77	67	68	75	74	73	74	77	78	71	74	78	82	84	82	84	86	76.8
	Minimum	45	64	60	43	46	62	54	53	54	53	60	62	67	67	54	56	47	48	54	55	52	49	52	43	41	44	52	52	57	61	63	53.7
Greensburg	Maximum	77	77	77	66	67	66	65	78	83	78	84	86	86	77	70	65	68	72	70	69	68	73	73	69	73	77	81	83	79	83	85	73.2
	Minimum	41	68	58	46	44	55	59	41	56	46	55	61	61	72	55	43	43	50	52	48	45	50	45	36	40	44	54	61	60	58	58	50.2
Lexington	Maximum	73	75	76	54	54	68	64	70	80	74	77	85	86	70	69	66	69	73	69	68	68	72	71	65	71	75	80	83	74	81	80	72.2
	Minimum	48	63	54	40	41	54	49	46	60	59	54	62	66	64	51	50	48	49	53	52	49	49	53	47	44	46	53	63	63	61	60	53.5
Litchfield	Maximum	78	79	77	54	58	68	64	76	83	76	80	85	87	80	73	68	68	73	72	70	72	75	73	69	73	78	81	84	80	82	83	73.4
	Minimum	47	65	56	40	44	54	49	46	56	54	50	58	63	62	49	46	47	47	53	52	50	47	54	46	44	45	52	62	63	62	60	52.4
Lexington	Maximum	71	74	77	59	70	70	65	76	82	74	79	83	84	75	68	60	70	74	66	64	70	76	68	64	71	78	81	84	75	81	86	73.1
	Minimum	43	61	55	39	44	53	50	43	55	56	49	56	61	55	50	45	40	46	52	49	48	50	48	42	40	41	49	50	53	50	50	50.6
Louisville	Maximum	69	75	75	47	55	60	60	73	81	76	77	85	85	69	66	62	69	71	62	65	72	72	71	68	73	77	80	83	77	80	80	71.1
	Minimum	48	60	44	40	45	52	51	49	57	56	53	62	66	62	54	51	46	48	50	53	51	49	53	46	47	51	57	66	64	63	66	53.4
Mammoth Cave	Maximum	77	79	78	58	65	67	67	77	83	77	81	86	87	78	73	67	69	73	72	71	72	75	75	69	73	78	83	85	81	83	85	74.5
	Minimum	42	55	60	42	43	56	51	49	58	59	53	58	63	64	53	48	46	48	52	50	47	46	49	44	43	45	52	62	63	62	60	51.2
St. John	Maximum	72	76	78	48	53	66	67	78	82	76	80	86	89	80	74	69	71	75	73	72	74	77	76	71	75	78	84	86	81	84	86	72.5
	Minimum	41	62	53	37	42	52	48	43	53	56	50	56	55	52	49	37	45	46	50	50	47	45	50	44	42	43	47	58	62	60	60	49.9
Shelbyville	Maximum	65	74	77	57	57	69	64	77	81	76	77	84	85	78	69	64	69	73	70	67	74	76	73	69	73	78	81	83	79	82	84	73.2
	Minimum	44	58	57	38	44	52	50	45	55	57	45	58	62	58	49	45	45	48	52	50	45	42	50	44	42	43	50	55	65	62	64	51.4
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	68	77	73	71	57	71	65	78	85	79	80	83	85	81	68	66	75	78	71	67	75	76	77	68	75	81	83	86	80	83	86	75.3
	Minimum	42	64	59	38	43	56	51	45	55	56	48	55	64	62	47	45	40	45	51	52	50	45	48	40	40	42	52	61	62	63	58	51.2
Eastern Division.																																	
Ashland	Maximum	65	80	82	53	77	73	67	77	85	81	75	82	82	80	67	67	72	73	71	64	77	75	72	64	73	80	81	86	82	79	80	74.5
	Minimum	43	61	62	42	46	56	47	51	60	60	56	48	60	62	51	48	51	42	46	52	50	46	52	46	39	43	58	57	58	65	59	51.0
Berea	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Farmers	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Harlan§§	Maximum	77	84	84	74	72	74	70	79	80	75	78	83	86	69	63	65	67	69	63	66	69	73	74	72	76	79	83	86	77	82	86	76.1
	Minimum	60	66	68	54	51	61	56	57	62	61	63	68	68	62	56	59	56	53	53	54	56	55	53	54	52	47	53	60	63	63	65	58.7
Heidelberg	Maximum	76	81	83	75	70	74	66	81	86	76	82	85	86	72	68	68	71	76	69	69	73	76	73	69	73	77	81	84	79	81	84	76.9
	Minimum	39	60	57	46	46	59	57	46	56	60	48	49	60	61	54	51	49	51	53	52	48	50	51	48	44	43	51	56	59	58	60	51.7
Maysville	Maximum	62	77	78	54	68	80	64	76	82	69	76	86	86	69	69	71	76	69	63	73	77	81	78	72	78	81	83	84	82	84	85	75.8
	Minimum	54	61	61	39	46	51	52	46	59	59	46	56	60	55	49	46	52	44	49	51	48	52	48	44	41	43	46	55	58	58	58	50.5
Middlesboro	Maximum	78	76	81	78	83	74	76	81	83	81	84	83	81	81	78	71	72	73	81	68	74	85	78	71	73	82	86	88	85	85	86	78.3
	Minimum	56	67	60	50	59	61	54	56	58	54	59	56	58	58	56	55	56	55	60	59	55	60	58	58	62	63	70	70	70	68	68	59.6
Mount Sterling	Maximum	73	75	80	51	75	68	64	77	86	78	82	86	86	77	70	67	70	75	67	65	69	72	69	65	69	73	78	82	78	80	83	73.8
	Minimum	41	53	54	36	48	54	51	49	54	56	47	54	60	57	49	46	45	47	48	48	46	48	48	43	41	42	48	52	56	57	56	49.6
Pineville	Maximum	79	85	81	76	81	70	74	81	81	80	82	86	86	76	73	69	71	74	71	71	74	78	74	71	74	78	83	86	82	84	86	77.4
	Minimum	36	47	48	40	37	40	37	47	49	49	40	40	60	61	56	53	48	49	51	50	47	46	49	46	43	43	46	52	57	58	58	47.3
Richmond	Maximum	76	86	83	82	85	76	76	82	86	86	84	84	87	77	71	71	65	71	77	71	73	75	75	71	75	79	84	86	82	84	86	78.0
	Minimum	37	47	50	41	42	48	50	44	48	50	46	47	57	60	51	48	46	44	47	45	44	45	49	45	40	41	45	50	56	56	56	47.4
Williamsburg	Maximum	75	86	86	77	85	76	78	83	85	84	84	85	88	78	73	73	73	76	73	73	76	78	76	73	76	80	85	87	83	85	87	78.4
	Minimum	51	56	61	50	49	63	57	57	57	56	62	64	65	64	57	58	56	54	58	57	54	53	54	52	51	51	54	57	62	62	62	57.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

†† Dix Dam, Inglefield, reapportionable 1, 2, 3 etc., days missing from record.

W. B. O. Louisville 6-25-35 10m

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XL LOUISVILLE, KY., JUNE, 1935 NO. 6

GENERAL SUMMARY.

Cool rainy weather during the first three weeks, with but little sunshine, was exceptionally unfavorable for farm operations and the growth of crops. Fair progress with plowing and planting occurred in the brief periods of good weather in the first decade; but toward the end of the rainy spell conditions grew so much worse that the soil could not be prepared. The rains culminated in excessive downpours on the 21st, that flooded lowlands, damaged standing and shocked wheat, and made field work impossible for several days. This was followed by a decade of fair weather in which the temperatures rose to normal and crops began to make seasonal growth. Much land in the western counties intended for tobacco could not be made ready, until very late for transplanting. Not all the corn crop could be put out in that section. In the eastern counties lighter rainfall and somewhat longer periods of fair weather permitted better progress. On the well drained uplands most farmers succeeded in getting out the staple crops, although the work had to be done piecemeal and was unduly prolonged. Cultivation of early corn was better in this section, but the crop suffered more or less everywhere. Areas with slow drainage became exceedingly foul with weeds and grass. During the wet three weeks there was practically no weather entirely suitable for haymaking. The heavy growth of alfalfa and the wet ground made curing slow, therefore much hay was lost or put up in unsatisfactory condition.

Wheat developed fairly well on the uplands, but was often drowned out on the flat sections. Harvest proceeded under such difficulties and was so delayed that wheat became too ripe. In this condition the windy rains caused much lodging and falling, with heavy loss in some western sections.

Fair, warm weather in the last decade permitted the completion of harvest and resumption of other delayed farm work. Gardens, potatoes, and other minor crops suffered from weediness and lack of cultivation. Pastures continued luxuriant. The rains caused considerable damage to strawberries.

TEMPERATURE.

A few days with temperature slightly above normal occurred at the beginning, in the middle, and at the end of the month; otherwise abnormally cool weather prevailed. The low daily averages were due mainly to the influence of cloudiness and rain on the maximum temperatures. The extremes were 96° on the 30th at Maysville and 44° on the 9th at Mammoth Cave and on the 10th at Heidelberg.

PRECIPITATION.

With one exception, June, 1928, this was the wettest month of the name on record. In an area two to three counties wide, extending from Ballard east to Rockcastle, the total rainfall ranged between 8.0 and 16.0 inches, with the region of heaviest rain centering about Muhlenberg County. A few counties in the upper Kentucky Basin received 8.0 to 10.0 inches. North of this belt of excessive rainfall amounts diminished irregularly to about 6.0 inches in counties along the middle and upper Ohio. To the south and they fell off to about 4.0 inches in the southwestern and southeastern corners of the State. Moderate to heavy rains occurred in the periods 2d-5th, 7th, and 10th-22d, with excessive downpours on the 3d, 18th, 21st, and 22d. A few stations in the south central and western counties report d from 4. to 1.0 inch of rain on the 21st. For the state amounts averaged between 3.19 inches at Middlesboro and 17.61 inches at Greenville. Days with thunderstorms were: 2, 3, 5, 7, 8, 9, 11, 12, 13, 14, 16, 17, 18, 20, 21, 26, 29, 30.

MISCELLANEOUS.

June 21—Excessive rains flooded homes and business houses in Farlington, Madisonville, Nortonville, Slaughters, and other places in Hopkins and Muhlenberg counties. Damage by wind in Rocke Counties, mainly to barns, was estimated at $50,000. Highways and bridges were damaged by floods in Caldwell County, and destroyed crops in northern Graves County. Near Greenville the Illinois Central trains were stopped by the floods. Near Bar Ford a mother and her three children were drowned in swollen West Fork Creek.

Floods—The Ohio was above flood stage in the Cairo district in the periods 1st-3d, 10-14th, and 26-30th. The rains of the 21st raised Green River and its tributaries above flood stage, and again submerged about 50,000 acres of farm lands, a considerable part of which had been prepared for crops.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 7 a. m.	2 p. m.	7 p. m.	Percentage of sunshine.
Cairo .....Ill.	29.95	30.16	9	29.53	13	7.7	27	sw.	12	86	72	76	63
Cincinnati .....Ohio	29.95	30.18	25	29.52	18	6.6	24	sw.	19	79	62	76	58
Evansville.....Ind.	29.54	30.16	24	29.50	18	8.5	33	s.	21	79	62	88	56
Louisville .....Ky.	29.97	30.19	24	29.54	18	9.4	30	sw.	17	80	60	66	61

COMPARATIVE DATA FOR JUNE.

Year.	Temperature. Mean.	Departure.	Highest	Lowest	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days. Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1930	70.6	−3.2	99	38	5.27	+1.11	8.04	1.88	..	..	..	..	..
1931	72.4	+4.6	104	51	4.56	+0.77	9.66	0.84	..	..	..	..	..
1932	77.1	+3.3	97	51	4.18	+0.91	8.40	2.63	..	..	..	..	..
1933	68.8	+2.6	101	48	4.23	+0.04	8.45	0.77	..	..	..	..	..
1934	72.3	−0.5	97	48	4.61	+0.45	9.30	1.11	..	..	..	..	..
1935	70.6	+1.8	102	35	3.69	−1.50	5.18	0.93	..	..	..	..	..
1926	73.9	+2.1	104	37	5.62	−1.56	9.09	1.29	0	9	15	10	5
1927	73.5	−0.3	98	46	4.64	+0.45	11.22	2.02	0	10	11	12	7
1928	73.4	−0.4	101	41	3.51	−0.58	7.36	0.80	0	9	14	12	4
1929	74.2	+2.4	104	45	3.90	−0.29	7.94	1.55	0	9	15	12	3
1930	70.1	−2.3	100	41	2.80	−1.39	5.72	0.14	0	8	15	10	5
1931	73.9	+0.1	100	46	6.14	+1.95	13.31	1.88	0	14	8	12	10
1932	75.6	+1.8	104	42	3.97	−0.22	6.81	0.72	0	8	15	9	6
1933	73.4	−0.4	101	39	4.75	+0.56	7.77	1.40	0	11	13	9	8
1934	68.6	−5.4	96	37	3.61	−0.58	7.31	0.83	0	10	14	8	8
1935	73.2	+0.6	99	48	3.14	−1.05	6.03	1.45	0	11	14	10	6
1936	74.8	+1.0	103	45	4.45	+0.80	7.65	1.40	0	10	16	6	8
1937	73.9	+0.1	99	42	5.52	+0.34	10.10	2.62	0	13	10	8	8
1938	70.2	−3.6	95	41	4.90	+0.72	9.41	1.21	0	11	12	9	9
1939	77.4	+4.4	103	43	4.39	+0.15	7.21	0.65	0	7	17	8	5
1940	71.5	+0.5	99	42	5.03	+0.84	10.20	2.31	0	13	10	11	9
1941	70.0	−3.8	99	36	5.20	+1.01	9.31	0.41	0	10	16	5	9
1942	75.2	+1.4	100	45	4.06	−0.13	5.71	1.81	0	10	17	8	5
1943	70.2	−3.6	95	38	3.48	−0.71	6.52	1.20	0	10	17	8	5
1944	69.8	−4.2	97	38	2.87	−1.32	5.75	0.52	0	7	15	6	9
1945	73.8	+4.8	98	45	2.30	−1.89	5.54	0.26	0	5	18	8	4
1946	71.7	−2.1	95	42	4.78	+0.60	9.18	1.99	0	12	12	8	6
1947	70.1	−3.7	99	35	4.94	+0.75	8.99	2.88	0	11	13	10	7
1948	70.9	−2.9	100	39	4.30	+0.11	6.71	2.59	0	10	15	9	6
1949	72.7	−0.2	104	37	3.63	−0.56	7.64	1.22	0	8	16	8	6
1950	75.6	+2.9	103	51	4.00	−0.19	8.04	1.48	0	10	11	10	9
1951	71.9	−1.9	100	44	3.42	−1.17	6.32	0.50	0	7	17	6	7
1952	77.8	+4.0	100	46	2.90	−1.29	5.95	0.76	0	7	17	6	7
1953	75.4	+1.6	100	44	3.50	−1.09	6.86	0.35	0	9	14	11	5
1954	71.4	−0.3	93	42	4.59	+0.40	8.98	2.10	0	9	16	8	6
1955	71.2	+0.4	97	42	4.39	+0.20	8.87	1.92	0	12	15	10	5
1956	77.0	+3.2	103	48	3.50	−0.29	7.53	1.67	0	7	16	8	6
1957	70.9	−2.9	98	42	3.45	−0.74	6.86	0.86	0	7	16	8	6
1958	69.5	−4.3	93	42	1.13	−3.06	7.53	2.61	6	11	14	9	7
1959	69.7	−4.5	93	45	10.88	+6.69	19.22	2.57	6	18	7	10	13
1960	74.7	−2.1	97	48	4.11	−0.08	6.91	1.96	0	9	17	7	6
1961	75.3	+1.5	103	50	1.76	−2.43	2.89	0.53	0	6	19	7	4
1962	74.8	+2.0	103	40	2.86	−1.36	5.46	1.31	0	8	17	8	5
1963	76.5	+2.7	105	39	4.88	+0.69	8.77	1.03	0	11	13	10	7
1964	77.8	+2.6	103	50	1.57	−2.62	5.07	T.	0	4	21	2	7
1965	75.5	−3.2	98	44	4.58	+0.55	8.15	0.76	0	6	25	2	3
1966	73.8	.....	103	45	4.19	−0.01	17.61	2.19	0	13	11	10	9
Period	73.8	.....	103	35	4.19	.....	19.22	T.	0	10	14	6	7

Climatological Data for June, 1935.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches			Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Calhoun	McLean	437	31	70.9	− 4.2	85	27†	52	10	29	8.78	+4.85	4.00	0	18	2	19	9	sw.	W. A. Taylor.
Earlington	Hopkins	420	45	72.1	− 3.7	92	29	49	10	39	15.73	*	9.10	0	17	12	11	7	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	6								10.16		4.57	0	17					Lockmaster.
Greenville	Muhlenburg	519	18	69.5	− 5.0	90	29	47	10	31	17.61	**	10.10	0	14	11	14	5	s.	C. R. Lovell.
Henderson	Henderson	382	21																	Richard Stites
Hopkinsville	Christian	524	39	71.7	− 4.7	93	29	48	10	32	7.52	+3.02	1.78	0	16	10	2	18	se.	W. E. Graves.
Lovelaceville	Ballard		6	71.2		90	13	49	5	31	10.60		2.60	0	14	17	6	7	s.	Blaine Malone.
Marion	Crittenden	571	36																	B. C. Paris.
Mayfield	Graves	364	26	72.2	− 2.8	93	28	52	5	25	6.00	+2.36	1.02	0	14	12	12	6	s	Mrs. C. R. Sowell.
Murray	Calloway	412	9	69.2		90	17†	47	7†	32	4.20		0.91	0	14	12	12	6	s.	Harry B. Arnold
Owensboro	Daviess	479	38	69.4	− 4.7	89	30	50	5†	27	6.65	+2.70	2.33	0	13	14	4	12	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	7								5.70		1.40	0	16					Lockmaster.
Paducah	McCracken	516	18								10.39	+6.20	2.06	0	16	13	5	12		C. J. Rhodes.
Paducah (near)	McCracken	341	46								8.89	+4.99	2.30	0	14					J. W. Lilley
Princeton	Caldwell	529	28	72.1	− 3.2	91	26†	51	10	32	11.37	+7.13	5.31	0	17	7	12	11	s.	Dr. W. L. Cash.
Ramsey, Lock 2 ‡	McLean	384	18								8.77	+4.86	2.25	0	17†					Lockmaster.
Russellville	Logan	590	24	71.0	− 3.0	92	28	47	10	26	10.66	−7.02	4.87	0	15	11	11	8	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	7								6.81		2.23	0	17					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	7								6.68		1.75	0	14					Lockmaster.
Anchorage	Jefferson	700	34	67.6	− 4.5	89	30	47	6	32	4.93	+1.21	1.92	0	13	12	6	12	sw.	C. E. Barret.
Bardstown	Nelson	637	38	70.1	− 4.2	94	29	45	10	38	7.31	+3.26	2.30	0	14	13	10	7	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	46	71.0	− 5.0	90	26†	50	10	31	10.14	+6.28	4.20	0	12	9	11	10	s.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	469	10																	Lockmaster.
Brownsville, Lock 6	Edmonson	410	18								9.08	−5.78	2.82	0	16					Lockmaster.
Burnside	Pulaski	773	44								7.32	+3.69	1.90	0	9					T. A. Lewis
Carrollton, Lock 1	Carroll	480	36								4.93	+1.13	1.58	0	16					Lockmaster.
Cold Spring, Dam 36	Campbell	489	9								3.84	−0.17	1.18	0	15					Lockmaster.
Danville	Boyle	940	2	69.1		91	29	46	6†	28	8.05	+4.14	3.66	0	15	9	7	11	sw.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	7	71.2	− 2.7	94	30	47	10	31	7.62	+3.28	2.85	0	12	11	10	9	s.	C. W. Williams.
Eubank	Pulaski	1177	41																	Mrs. Katie Payne.
Frankfort	Franklin	566	43	70.5	− 3.2	93	30	48	10	33	6.71	+2.69	2.68	0	15	10	8	12	w.	Lockmaster.
Franklin	Simpson	691	40	73.4	− 2.8	95	28†	48	10	32	8.25	+4.28	5.83	0	16	12	12	6	sw.	Marcus Gatewood.
Gest, Lock 3	Henry	490	24								6.35	+2.47	1.85	0	13					Lockmaster.
Glasgow	Barren	780	9	71.8		93	28†	48	10	34	5.91		3.18	0	9	17	12	1	e	P. L. Beatty.
Grant, Dam 38	Boone	780	10								3.29	−0.55	0.93	0	14					Lockmaster.
Greensburg	Green	581	42	68.8	− 4.4	91	15†	45	10	34	9.79	+5.25	3.24	0	14	1	1	28	se.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	544	33								7.49	+3.31	2.89	0	14					Lockmaster.
Irvington	Breckinridge	646	37																	W. J. Pigeott
Lancaster	Garrard	1032	9								10.56	+5.94	3.55	0	14					Walter Killion.
Leitchfield	Grayson	635	39	70.1	− 3.2	91	29	49	10	27	7.43	+3.43	3.78	0	14	7	14	9	sw.	H. H. Willis.
Lexington	Fayette	989	51	70.1	− 1.1	93	29	46	10	33	6.55	+2.56	2.92	0	10	15	7	8	s.	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	560	24								7.25	+2.89	2.40	0	12					Lockmaster.
Lockport, Lock 2	Henry	485	25								6.62	+2.12	1.82	0	11					Lockmaster.
LOUISVILLE	Jefferson	525	62	70.3	− 4.4	91	30	52	9	27	4.96	+1.14	2.19	0	12	6	9	15	sw.	U. S. Weather Bureau.
Mammoth Cave	Edmonson			b69.4		92a	29	44a	9†	31a	9.06		2.11	0	11	16	7	7	w.	Ivan J. Ellsworth.
St. Joun	Hardin	777	39	68.7	− 3.9	92	29	46	6	31	6.60	+2.49	1.30	0	13	20	2	8		Sisters of Loretto.
Salvisa, Lock 6*	Mercer	520	21								6.56	+2.52	2.05	0	11					Lockmaster.
Shelbyville	Shelby	825	46	69.6	− 6.7	94	30	48	6†	32	5.77	+1.58	1.81	0	17	12	1	17	s.	Miss Ruth Batta.
Taylorsville	Spencer	489	33								6.67	+2.51	3.46	0	13					elizabeth J. Bourne.
Tyrone, Lock 5*	Anderson	524	17								5.84	+1.27	2.50	0	9					Lockmaster.
Williamstown	Grant	943	32	71.4	− 0.8	94	29†	49	6†	33	5.22	+1.56	1.54	0	14	19	2	9	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4 ‡	Butler	504	18								11.06	+6.80	3.23	0	18					Lockmaster.
Eastern Division.																				
Annville	Jackson		4								7.20		2.23	0	15	9	14	7	sw.	W. A. Worthington.
Ashland	Boyd	534	16	71.0	− 2.3	91	18†	48	10	28	7.18	+3.56	1.68	0	17	7	6	17	w.	Lockmaster.
Berea	Madison	1070	30	68.9	− 4.0	91	30	45	9	28	8.23	+3.78	2.65	0	16	9	8	13	sw.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	25								8.18	+4.14	2.50	0	15					Lockmaster.
Cynthiana	Harrison	684	17								5.71	+2.28	2.00	0	9					P. H. Kehoe.
Falmouth	Pendleton	600	46								6.98	+1.98	1.63	0	17					J. V. Oldham.
Farmers	Rowan	665	27	c72.0	+ 0.7	94a	29†	46a	16	31a	10.08	+5.82	2.53	0	13	6	12	12	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	840	10								6.02	+2.48	1.84	0	11					C. A. Glascock
Ford, Lock 10*	Clark	637	19								7.61	+3.77	1.75	0	15					Lockmaster.
Greenup, Dam 30	Greenup	540	15								6.45	+3.25	1.74	0	15					Lockmaster.
Harlan	Harlan	1197	7	69.8		88	27	49	10	30	4.10		0.74	0	9	9	11	10	s.	A. W. Enfield.
Hazard	Perry	860	11								12.02	+7.09	3.19	0	11					Chas. G. Hurig.
Heidelberg, Lock 14	Lee	963	18	70.4		93	29	44	10	34	7.09	−2.99	1.87	0	13	5	5	20	w.	Lockmaster.
Jackson	Breathitt										10.57		1.88	0	11					Jas. T. Goff.
Jenkins	Letcher	1566	11								7.59	+3.58	1.66	0	12					R. R. Davidson.
Louisa	Lawrence	584	31								5.81	+1.35	1.66	0	13					Lockmaster.
Manchester	Clay		15								9.88	+4.74	1.88	0	9					Jeanett H. White.
Maysville	Mason	524	38	71.4	− 1.6	96	30	48	10	30	5.69	+1.80	1.89	0	14	4	13	13	s.	Lockmaster.
Middlesboro	Bell	1128	39	70.4	− 2.6	93	30	45	10	34	3.19	−1.45	0.64	0	13	14	10	0		Matthew Woodson
Mount Sterling	Montgomery	930	45	70.4	− 2.1	93	29	45	10	33	7.62	+2.91	2.62	0	16	8	13	9	w.	W. R McKee.
Oneonta, Dam 35*	Campbell	497	8								4.83	+0.55	0.88	0	15					Lockmaster.
Paintsville	Johnson	567	1								4.70		1.45	0	9					Manuel Robinson.
Pikeville	Pike	636	29								6.00	+2.07	1.76	0	12					Robert Repass
Pine Mountain	Harlan																			August D. Angel.
Pippapass	Knott	1035	1								8.15	+4.51	1.57	0	10					Cane Run Com. Cen.
Quicksand	Breathitt	782	9	e71.0		95a	29	46a	9†	35a	5.32	+0.81	1.26	0	14					R. W. Jones.
Ravenna, Lock 12	Estill	631	17								7.85	+3.85	1.43	0	15	15	6	9		Lockmaster.
Richmond	Madison	926	41	68.8	− 4.7	90	30	49	10	26	7.73	+4.06	2.34	0	12					J. W. Crooke.
Rodburg View, Lock 9	Madison	571	22								5.77	+1.58	1.73	0	12					Lockmaster.
Spreadburg, Dam 32	Lewis	525	20																	Lockmaster.
Wallingford	Letcher	1142	10																	G. H. Zimmerman.
Williamsburg	Whitley	920	38	70.9	− 3.0	93	28†	48	6	35	5.71	+1.10	2.65	0	8	14	14	2		H. F. Davis.
Wilmore, Lock 13	Lee	646	16								6.18	+1.83	1.70	0	12					Lockmaster.
State averages and extremes				70.5	− 3.3	96	30	41	9†	28	7.50	−3.31	10.10	0	14	11	10	9	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.

* Post-office addresses: —Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 9, Nicholasville, Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky.

* 12.04 ** 13.35.

Daily Precipitation for June, 1935.

Stations	Day of month																																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Calhoun (G)		.15	.18	T.			.28	.60		.20	.02	.20		.37	.25	1.41	.33	.07	.06	.05	1.00											
Earlington (G)			1.53	.65			.68	.60	.23		.24	.42		.16	.24	.22	.59	.08	.14		.20	1.01	.60					.17	.05	.25		
Fords Ferry Dam 50 (O)		T	.18	.01			.68	.40	.18		.70	.74	T.	.24	.06	.36	.82	.03	.03		4.55	.40						.22		.52		
Greenville (G)		1.70	1.30				.22	.28		T.	.18	.05		.65	.34	.24	1.80	.12		T	.8							.16	T	.03		
Henderson (O)																												.44	.55			
Hopkinsville (G)		T	1.78	.55				.22	.01		.58	.32		.68	.35	.05	.67	.04	.06		1.73	.14										
Lewisburg (M)		.50	.50				.66	.25		.18	1.27		.60	.80	.15	.30	2.60	.03		.51	1.80								.11	.64		
Marion (O)																																
Mayfield (M)		.80	.57				.38	.21		.13	1.60	.05	T	.51	T	.28	.59	.05		.25	.09	T					T		T			
Murray (T)		T	.91				.35	.18		.04	.32		T.	.24	.15	.26	.56	.06	.08	T.	.60	.16					.14		1			
Owensboro (O)		T	.68	.09			.05	.32	.41		.23	.32		.05	.38	.05	.58	.17	.0		.82	1.33					.17			T		
Owensboro, Dam 46 (O)		T	.65	.21			.62	.24	.58		.24	T	.11	T	.53		.48	.11	.03		.80	.40					.11					
Padueah (O)		T	.50				.17	.84	.18		1.14	.17		1.33	.86	.05	1.55	.63	.05		2	.70					.03	T		.13		
Paducah (near) * (O)		.68	.40				.15	.05			1.15	.65		.95	.26	.60	.15	.15		.40	2.20							.40				
Princeton (G)		.75	.28				.51	.51		.05	.60	.35	T.	.36	.10	.24	1.85	.06		.21	5.81					.25		.60		.03		
Wickcliffe, Lock No. 2 (O)		.22	.14			.06		.47		.20	.15		.06	.38	.10	1.37	.18	.04		2.25	2.26						.08					
Russellville (G)			.67	.05			.88			.06	.50	.37		.45	.11	.34	.66	.09	.20		4.57	.80										
Uniontown, Dam 49 (O)		01	.30	T.	T.		.04	.24	.18		.05	1.45	.03	.03	.17	.03	2.28	.01	.01	T.	1.13	.40					.13			.25		
Central Division																																
Addison, Dam 45 (O)		.02	1.51	.28		T.	.22	.45		.02	.21	.11	T.	.42		.45	.12	T		.43	1.73					.05			.03		
Anchorage (O)		.84	.03				.13	.43		.02	.01	.24		.08	T.	.52	.54		.08		1.93					T			.07		
Bardstown (S)		.75	.33				.10	.40				.03		.10	.40	.50	.15	.08	.08		2.40					.05		T	1.52		
Bowling Green (G)			1.80	.10				.60	.02			.25			.18	.25	.95	.25	.33		4.20	.98						T	T			
Bowling Green, No. 2 (G)																																
Bowlinville, Lock No. 6 (G)			2.67	.18			.03	.15		.12	.28		.05	.18	.45	.83	.41	.07		1.76	2.52					.02			.02		
Burnside (C)			1.18	.77			.69	1.58				T.			.07	.27	T.	.55		1.90	.56										
Carrollton (Lock No. 1) (K)			1.58	.02			.27	.07			.44	.13	.05			.48	.07				1.22										
Cold Spring, Dam 36 (O)			.90	.21	T.	.17	.35	.24	.05		T				.11	.02	.17	.82	.02	.19	.10	1.13	.01	T.								
Danville (K)		1.38	.97				.15	.75	.02			.15		.22	.26	T.	.06	.37	.08		.3	.06					.21			.56		
Dix Dam, Burgin (K)		2.36					.73	.80				.10	.16	.16		.18	.04	.44		.70	2.23										
Eubank (C)																													.12	T		
Frankfort (K)			.61	.25		T.	.13	.47		.03	.23	.31	T.	.24	T	.14	.51	.28	.07	.81	2.58	T.				T.			T		
Franklin (S)		.15	.5	.09			.31		.01	.31	.11			.01	.06	.02	.41	.06	.10	.04	5.83										
Gest, Lock No. 3 (K)			1.57	T.		.05	.10	.82		T.	.30	.12		.30	.03	.42	.60	.20		.31	1.88					T.			.03		
Glasgow (G)			.6	.67																												
Grant, Dam 3 (O)			.05	.25		.11	.10	.22	.01					.25	.12		.50	.02		.3.18							.55		.01		
Greensburg (C)		T	1.45				.55	.35							.06		.08	.60	.02	.03	.08	.63										
Hite, Bridge, Lock No. 7 (K)			1.66	.68			.18	.28		T.		.05	.26		.20	.90	.37	.19	.12		1.69	3.25					.92					
Irvington (O)												.12	.01	.17	.04	.08	.12	.60		.61	2.39								1.24		
Lancaster (K)		3.55	.75				.20	.87																								
Lawrenceburg (K)		1.07	.18				.17	.36		.06		.06		.27		.14	.60	.15			3.78					.90		.02	.07		
Lexington (K)		1.08	.18				.25	.81		T.	T.	.17		.20	T.	.59	.18	.97	.05	T.	2.52		T			.02		.01	.04		
Little Benham, Lock No. 8 (K)			1.52	.52				.24	.40						.40	.05	.68	.08	.16	T.	.78	2.40						T.				
Lockport, Lock No. 2 (K)			1.52					.28	.62				.50		.40		.68	.08	.16	T.	.78	2.40										
Louisville (O)		.49	.05		T.		.12	.27		.02	T.	.20		.04	T.	.80	.48	T.	.05		2.19										
Mammoth Cave (C)			1.18			T.		.85			.09	.21			.08		1.22	.10	.05		2.11	.82							.15	T		
St. John (S)			1.28	.15				.16	.55		.02	.10	.46		.86	T.	.30	T.	.15		.80	1.59					T		1.00			
Salvisa, Lock No 6 (K)			1.05	T.				.11	.21				.20		.10	.10	.60		.50	T	.65	2.65	T.					1.20				
Shelbyville (S)			1.60	.01			.01	.16	.32		.04	.02	.20		.30	.05	.34	.86	.22	.05	.32	1.81	T.				.05					
Taylorsville (S)		.53		.09			.15		.56	.15		.65		.50		.11		.48			3.46	.01					.01			.28		
Tyrone, Lock No. 5 (K)			.92					T	.58				.18		.13		.58	.08	.43		.41	2.50										
Williamstown (L)			1.04	.62				.20	.22			.03	.10	.05	.65		.11	.20	.41		.13	1.50					.05					
Woodbury, Lock No. 1 (G)			1.03	.12				.09	.05		.17	.24		.05	.23	.12	1.34	.19	.04		3.01	3.23					.08			.17		
Eastern Division																																
Annville (C)			2.26	.87				.21	.57				.10	.26		.07	.06	.28	.20		1.26	.90						.03	.01	.27		
Ashland (O)			.63	.35		.03		.30	.58				.11		.40	.24	.22	.13	.33	.05	.04	1.08	.02	.09				.28		1.06		
Berea (K)		.31	1.55	.58			.51	.10	.04			.08		.15	.16	.02	.16	.69	.26		2.65					.17	T.		.65		
College Hill, Lock No. 11 (K)			.90	1.52				.24	.45				.18		.30	.20	.65	.15	.38	.08	.50	2.20						.25		.24		
Cynthiana (L)			1.25		.05		.06	.53	T.	T.	.66						.52	.80	T.		2.00					T.	T.					
Falmouth (L)			1.10	.91	.01	.18	.16	.33			.15	.12		.57	T.	.15	.14	.21	.05		1.68						.02		.08			
Irvington (L)			1.72	.33			.56	.43				1.21		.42	.05		.51	.78	.24	.30	2.50							.86				
Blue Licks (L)			1.32	.17				.43	.96				.40	.46	.34	.47	.26			.27	1.84										
Ford, Lock No. 10 (K)			1.57	.81	.01		.35	.20		T.	T.	.87		.14	.04	.37	.31	.21	.01		1.66	1.75					T.	.91		T		
Greenup, Dam 30 (O)			.61	.41	.02		.07	.31		.03	.0	.21		.09	.02	.14	.75	1.74	.05	.02	1.05	.01	.01							.02		
Harlan (C)			.20	.74				.72					.13			.15		.46		.57	.72										
Hazard (K)			3.19					.54	.82				.59		T.	.22	1.95	1.68	.56	1.62	1.87							.45				
Heidelberg, Lock No. 14 (K)			1.87	.51				.35	.21				.05		.45	T.	.03	.04	.19		.66	1.43						.10		.02		
Jackson (K)			1.87	1.45	.12		.18			1.89	1.43				1.68	.80				.80	.70								.25		
Jenkins (B)			.93				.14	.63				.37		.80			.85	.03	.18	.33		1.66							1.27			
Lewis (L)			.65	1.60		.12		.45	.33				.17		.42			.16	.14	.09	.05	1.20										
Manchester (K)			1.80	1.45				.85							1.42	.33		.24	.46		1.28	1.88					.48					
Maysville (O)			1.36	.10				.16	.31				.04	.12	T.	.50	.05	T.	.22	.90	.02	.08	1.80									
Middlesboro (C)		.02	.16	.20					.08				.18		.12	.35		.06	.05	.54		.44	.04						.05			
Mount Sterling (L)			1.09	.50	.02		.06	.70							.15	.80	.16	.32	.30	.13	.02	2.59	.08				.40		T.			
Oneonta Dam 35 (O)				.78	.53		.11	.05	.20	.09		T		.48		.58	T.	.08	.25	.49	.07	.04	.48		T.					.11		
Paintsville (B)			.66	1.46					.40	.48			.20		.50				.58	.19							.58					
Pikeville (B)			1.12	.52				.16	.56						.20		.32	.12	.12	.16	.32	1.76								.28		
Pine Mountain (K)																																
Pippapass (K)																																
Quicksand (K)			1.97	1.77			.31		.29				.29		.82		.41		.45	T.	.76	.98					T.					
Ravenna, Lock No. 12 (K)				.77	.46			.27	.57				.20		.87	.14	T.	.09	.40	.07	.58	1.25										
Richmond (K)			1.43	1.17				.47	.62				.16		.45	.07	.15	.16	.40	.03	.76	1.25					.10	.05				
Valley View, Lock No. 9 (K)		2.54	.35				.27	.24				.12		.18	T.	.32	.20	.23		.70	2.15							.83		.81		
Vanceburg, Dam No. 32 (K)			.72	.17				.39	.57				.12		.58		.17	.55	.83		.03	1.73	.03				.48					
Whitesburg (K)																																
Williamsburg (C)				.62				.02	.64																							
Willow, Lock No. 13 (K)		1.70	.46					.80				.10		.37	.05		.25	.85			1.25					.22	.25		.28		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark **) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

(‖) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

* Lone Oak §10.10.

Daily Temperatures for June, 1935.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	86	82	76	77	69	82	75	62	78	71	77	82	88	80	79	78	84	81	73	77	72	75	80	75	84	88	89	84	83	89	..	79.0
	Minimum	61	70	66	58	55	53	60	57	55	62	62	67	65	68	76	69	70	73	58	58	64	57	59	58	58	61	64	69	66	69	68	62.8
Earlington	Maximum	88	84	78	79	74	85	80	64	77	74	83	87	91	85	73	84	85	83	74	80	74	75	81	86	87	89	90	89	92	91	..	82.2
	Minimum	62	68	66	56	54	52	64	57	56	49	62	66	63	69	71	70	69	73	59	58	64	57	56	53	56	60	69	63	68	69	..	62.8
Greenville	Maximum	86	81	75	77	75	80	74	64	74	72	80	84	89	85	78	83	87	84	72	77	77	73	76	81	82	83	84	88	90	89	..	80.1
	Minimum	57	63	63	54	53	49	56	56	55	47	59	64	62	65	68	67	62	68	56	62	61	65	62	52	54	58	68	62	64	65	..	58.9
Henderson	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Hopkinsville	Maximum	88	83	77	79	74	83	76	67	77	73	82	86	91	82	79	85	87	82	72	80	79	81	83	85	87	89	90	92	93	90	..	82.4
	Minimum	63	68	64	58	53	51	60	58	55	48	63	65	64	68	69	70	68	69	56	62	64	56	59	53	55	61	69	65	67	67	..	61.0
Lovelaceville	Maximum	86	84	78	78	77	85	76	78	76	78	84	88	90	80	80	85	85	80	75	79	79	80	84	86	87	89	89	88	85	86	..	81.9
	Minimum	63	65	63	52	49	52	55	55	51	62	69	66	65	76	69	69	68	64	57	54	66	56	56	56	57	61	67	62	67	65	..	60.6
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mayfield	Maximum	86	84	79	79	76	80	77	66	75	73	82	85	88	70	80	83	85	81	74	77	79	78	82	85	84	86	90	92	90	90	..	81.5
	Minimum	64	70	64	56	52	60	59	57	57	55	61	66	68	66	70	70	69	69	58	56	67	56	57	60	61	64	70	67	69	68	..	62.9
Murray	Maximum	82	80	81	79	75	86	77	70	80	68	76	80	83	84	84	80	80	77	77	84	80	79	84	83	80	82	82	86	85	90	..	80.8
	Minimum	58	66	61	51	49	50	47	55	53	47	58	63	60	64	67	68	65	65	57	53	62	55	59	51	51	52	55	66	61	65	63	57.7
Owensboro	Maximum	88	84	76	74	70	81	74	65	71	73	89	83	87	81	76	81	85	81	74	76	72	73	78	82	82	85	86	88	87	89	..	79.2
	Minimum	59	64	63	55	50	55	56	54	53	50	59	63	62	66	69	65	65	70	55	54	61	56	64	58	57	61	65	61	66	65	..	59.6
Princeton	Maximum	88	83	80	78	75	85	76	65	78	76	83	87	88	80	80	85	87	84	76	79	77	77	82	86	88	91	91	90	87	89	..	82.4
	Minimum	63	70	66	55	53	53	57	58	56	51	61	66	65	68	71	70	69	71	58	54	64	56	55	60	58	60	69	65	68	69	..	61.8
Russellville§§	Maximum	87	86	78	79	75	85	76	68	73	74	83	86	90	79	79	85	87	82	72	83	77	77	78	82	85	88	87	92	91	87	..	81.6
	Minimum	61	64	62	56	52	55	58	58	57	47	62	63	63	68	68	69	67	71	57	65	62	58	55	62	55	59	67	65	65	67	..	60.5
Central Division.																																	
Anchorage	Maximum	80	80	73	74	69	79	69	59	71	70	76	78	84	78	79	80	82	82	68	76	68	73	74	76	81	85	88	85	88	89	..	77.0
	Minimum	56	61	63	54	51	47	56	54	49	47	55	63	64	67	65	65	70	68	58	52	63	54	51	52	54	59	65	63	61	65	..	58.3
Bardstown	Maximum	89	82	73	80	75	84	76	70	78	65	88	85	92	85	79	85	86	82	76	80	72	72	71	81	84	89	87	90	94	91	..	81.2
	Minimum	55	61	62	55	48	46	58	59	54	45	55	62	63	68	69	65	69	71	56	54	62	55	52	52	53	57	66	66	65	65	..	58.0
Bowling Green	Maximum	89	79	73	79	75	83	78	67	76	74	82	86	87	85	78	85	88	77	78	85	76	81	82	86	90	91	90	90	87	..	..	81.7
	Minimum	58	63	63	57	53	52	56	58	57	50	59	61	62	66	68	67	67	68	58	55	60	58	56	55	58	60	67	68	65	..	..	60.4
Danville	Maximum	84	82	79	76	71	78	76	62	71	74	78	81	84	79	76	84	84	82	74	72	76	76	79	82	85	85	84	87	..	..	..	79.2
	Minimum	56	61	64	58	54	46	58	55	55	46	54	62	60	66	67	65	69	68	60	55	60	58	54	52	53	54	62	59	62	..	..	58.0
Dix Dam	Maximum	83	83	79	78	73	80	80	62	73	76	80	82	86	83	78	83	85	85	79	80	75	72	76	81	84	90	88	92	93	91	..	81.1
	Minimum	57	61	65	60	56	49	62	57	58	47	57	63	62	67	70	66	71	70	62	57	63	60	63	54	55	59	66	65	67	67	..	61.2
Eubank	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Frankfort	Maximum	82	81	80	78	73	80	74	61	73	74	86	83	88	83	79	83	84	85	78	79	78	74	78	82	86	89	88	92	92	93	..	80.8
	Minimum	54	58	64	59	54	50	60	57	53	48	57	64	62	69	70	65	72	71	59	56	64	59	54	54	55	58	64	65	66	66	..	60.2
Franklin	Maximum	91	84	75	82	75	86	78	74	77	79	86	90	94	84	83	88	89	85	79	72	80	79	83	86	90	92	91	95	95	90	..	84.5
	Minimum	60	68	64	68	54	54	61	60	59	48	67	66	66	69	69	70	68	69	60	59	62	60	58	54	58	60	70	66	70	69	..	62.4
Glasgow	Maximum	85	82	80	79	75	83	81	69	75	76	80	85	91	85	85	85	85	83	76	82	87	79	78	84	88	91	88	92	87	93	..	82.8
	Minimum	60	65	64	58	52	49	57	61	57	48	58	65	62	65	68	68	68	71	59	55	65	62	57	52	55	56	64	65	66	66	..	60.7
Greensburg	Maximum	78	78	71	76	72	78	73	63	75	72	76	81	91	81	75	83	82	82	77	79	75	77	77	86	80	91	83	91	90	88	..	79.4
	Minimum	58	60	62	57	52	46	55	57	56	45	58	61	61	66	68	65	67	68	59	55	60	57	61	58	54	57	62	62	65	63	..	58.2
Irvington	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Leitchfield	Maximum	85	78	74	77	71	81	73	62	72	73	79	85	88	79	76	80	84	80	69	78	71	73	77	81	82	87	88	89	91	90	..	79.1
	Minimum	59	66	65	57	52	57	58	57	55	49	58	64	65	69	70	68	68	67	57	57	62	57	56	54	57	61	68	66	68	69	..	61.1
Lexington	Maximum	85	88	80	77	72	81	75	63	72	77	79	80	90	79	78	85	85	86	69	78	73	72	76	81	87	90	87	92	93	91	..	80.3
	Minimum	56	64	65	59	54	48	56	55	54	46	58	64	61	68	69	68	70	68	58	54	61	58	54	53	54	61	68	65	64	67	..	59.9
Louisville	Maximum	82	78	73	75	69	81	69	60	74	70	80	81	86	76	76	80	82	81	66	77	70	72	76	78	84	87	84	91	91	91	..	78.0
	Minimum	59	66	66	60	59	54	56	54	52	55	60	68	65	70	70	67	67	70	58	57	63	59	60	60	62	65	71	66	71	70	..	62.6
Mammoth Cave	Maximum	85	79	71	77	72	81	75	75	75	73	79	84	88	77	..	83	85	82	70	78	76	74	78	83	77	87	86	89	92	88	..	*80.0
	Minimum	55	64	65	57	51	46	62	57	44	44	57	62	62	67	70	..	67	71	58	58	62	57	53	51	53	57	66	62	65	63	..	*58.7
St. John	Maximum	83	78	74	78	74	75	70	60	69	75	77	83	87	78	79	79	84	80	67	80	67	75	80	83	82	87	88	90	92	90	..	78.8
	Minimum	57	64	63	54	51	46	56	55	52	46	55	60	60	66	68	65	67	70	56	56	62	54	53	52	53	57	66	64	67	64	..	58.6
Shelbyville	Maximum	86	83	83	75	71	80	71	59	69	74	79	81	90	76	78	83	84	81	73	79	72	72	73	76	85	85	84	92	93	94	..	79.3
	Minimum	55	62	63	56	54	48	57	55	54	48	56	64	61	69	69	65	70	70	58	57	63	56	55	54	56	59	68	64	69	67	..	59.8
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	86	83	80	78	73	83	76	60	76	76	82	79	90	86	84	85	86	86	73	79	76	78	79	84	88	92	91	96	94	94	..	82.4
	Minimum	59	60	64	58	54	49	61	54	49	49	60	63	63	66	69	66	72	70	60	58	63	57	54	56	58	60	68	68	68	68	..	60.3
Eastern Division.																																	
Ashland	Maximum	80	83	83	79	76	76	83	62	74	76	78	79	84	87	87	82	86	91	76	80	76	74	77	81	86	80	87	90	91	91	..	81.2
	Minimum	58	59	67	64	56	51	59	56	55	48	59	62	60	59	60	67	71	70	63	58	63	67	55	54	58	57	63	67	69	65	..	60.8
Berea	Maximum	81	83	81	76	80	68	64	62	69	71	77	82	87	82	77	85	85	82	77	76	77	74	76	76	81	87	87	88	93	91	..	78.9
	Minimum	57	58	65	61	54	49	48	50	46	46	56	61	61	61	67	67	69	68	62	58	66	55	56	53	52	56	69	62	66	65	..	58.9
Farmers	Maximum	82	..	86	79	77	82	80	64	67	75	80	83	89	78	74	87	85	86	76	80	74	74	80	83	88	87	89	91	94	..	..	*81.6
	Minimum	61	..	65	56	56	53	61	58	57	46	60	63	69	64	64	66	71	71	63	60	64	63	59	53	57	60	66	71	73	73	..	*62.4
Harlan§§	Maximum	80	80	78	79	75	75	80	69	70	74	75	81	84	83	84	84	86	76	76	80	80	78	77	82	85	88	87	86	84	..	..	79.6
	Minimum	57	63	65	64	54	60	56	61	60	59	54	61	63	67	65	66	67	64	61	59	62	60	60	57	56	58	64	65	67	..	..	60.0
Heidelberg	Maximum	84	82	80	78	75	81	82	66	74	78	78	85	87	81	82	84	86	88	77	79	77	74	77	81	84	86	88	87	93	90	..	81.8
	Minimum	54	57	61	54	56	47	53	59	58	44	55	60	62	62	66	66	66	67	57	54	64	60	58	53	53	57	62	66	65	65	..	59.2
Maysville	Maximum	85	81	81	78	73	80	79	61	76	76	83	80	90	82	86	85	86	87	73	78	67	73	79	84	86	86	91	94	94	96	..	81.8
	Minimum	56	63	69	62	58	51	57	55	51	48	61	63	61	64	70	72	68	66	60	63	59	58	56	58	61	67	67	71	78	71	..	61.1
Middlesboro	Maximum	89	83	78	81	81	82	84	79	76	79	78	82	89	83	77	81	80	88	77	83	81	86	81	84	86	87	91	90	89	88	..	83.2
	Minimum	53	59	64	61	49	51	54	60	56	50	60	62	65	66	69	67	69	67	46	60	60	51	50	51	55	57	62	66	62	63	..	57.7
Mount Sterling	Maximum	88	84	76	79	82	81	82	67	72	78	80	77	89	83	84	85	86	90	74	80	70	72	79	83	86	91	93	92	92	92	..	82.0
	Minimum	56	60	63	58	53	47	57	54	56	45	56	62	58	63	67	65	68	68	59	53	62	60	52	51	53	58	65	63	64	65	..	58.7
Pippapass	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum	86	84	81	80	75	80	84	70	74	76	78	83	92	83	83	86	86	94	78	80	81	78	82	..	86	91	90	94	95	94	..	*84.0
	Minimum	51	56	64	64	53	48	56	58	46	46	54	59	61	60	65	64	66	66	60	57	61	53	54	..	54	57	61	64	65	64	..	*58.0
Richmond	Maximum	80	77	70	77	76	70	78	74	60	71	74	76	77	85	76	77	81	85	85	69	75	70	70	74	79	82	87	83	86	90	..	77.0
	Minimum	54	62	64	60	56	51	61	56	55	49	59	63	62	68	66	66	67	69	61	56	61	59	55	56	57	61	65	64	68	67	..	60.7
Williamsburg	Maximum	89	87	84	82	78	73	76	75	69	73	73	81	90	85	80	84	90	89	81	86	85	76	72	75	78	81	83	93	90	93	..	81.4
	Minimum	56	55	67	64	53	48	54	56	59	49	54	62	63	65	68	70	67	70	57	57	62	60	54	54	56	60	66	66	68	67	..	60.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, †, ‡ etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville 7-25-35 1100

THE LIBRARY OF THE
U. S. BUR.
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XL LOUISVILLE, KY., JULY, 1935 No. 7

GENERAL SUMMARY.

Except for deficient moisture at times in hilly and upland sections, weather conditions during the month were favorable for all growing crops. The fair weather and relatively high temperature of the first three weeks enabled farmers to finish clearing out the accumulation of weeds. Early corn could not be given the usual amount of plowing, hence it was laid by with some weeds and grass in the rows. In this condition it offered rather poor resistance to the dry weather. Corn that stood too long in the weeds before plowing turned yellow in spots. Toward the end of the dry period there was some firing on warm slopes. Medium and late planted corn and all tobacco were properly cleaned out and cultivated. Hardening and cloddiness of soil, due to the rapid drying of previously super-saturated ground, interfered seriously with the quality and completeness of tillage.

Showers that began in the third week and continued for several days reached most sections with moderate to heavy rainfall and restored ideal growing conditions. By softening the clods and top soil these rains greatly aided cultivation. The cooling of the soil and atmosphere by the showers and cloudiness brought conditions more favorable for planting late potatoes. The rains were helpful but not sufficient in the lower valleys of the Licking and Green, and also in the Purchase.

Grass on hills and warm slopes began to deteriorate during the dry spell, and growth fell off decidedly in all types of pasture. In about half of the State pastures were thoroughly revived, but in most western and some extreme northern counties they need more rain.

The dry weather retarded the growth of tobacco, but after the rains it developed rapidly. Topping of early tobacco became general toward the close, with soil moisture favorable for quick spreading. As a rule there was ample opportunity for haymaking, oats harvest, and threshing during the first three weeks. The lowered quality and yield of grain showed the damaging effect of the wet spring. The weather in the cotton district, which was somewhat warmer and drier than normal, caused that crop to regain most of the time lost because of the unfavorable early season.

TEMPERATURE.

Temperature above normal predominated during the first two weeks and occurred almost daily in the last half. Maxima of 100° were recorded in the western counties where the rainfall was lightest, but temperatures at most stations were considerably lower and relatively moderate for this month. Minimum temperatures on most days were comparatively high. The extremes were 103° at Murray on the 31st, and 55° at Middlesboro on the 15th.

PRECIPITATION.

The rainfall increased irregularly from about 1.0 inch in the the extreme western counties to 8.0 inches or more in eastern districts. In the lower Licking Valley and westward along the Ohio River most sections received from 1.5 to 4.0 inches. A few stations in the Green River Basin reported 5.0 to 7.5 inches. In southeastern border districts, the central bluegrass region, and most northeastern counties from 4.0 to 11+ inches occurred. Amounts in the State ranged between 0.80 inch at Pennyrile and 11.21 inches at Pine Mountain. Nearly all of the rainfall accompanied thunderstorms and was quite irregular in daily as well as seasonal distribution. Daily showers occurred in the periods of 7th and 21-31st. They were heaviest and most frequent on the central and eastern counties. Hearse to 67[illegible] local rains occurred in the central and northeastern bluegrass region and Ohio River Valley in the third week. Days with thunderstorms were: 1, 2, 3, 4, 5, 6, 17, 18, 20, 27, 23, 24, 25, 26, 28, 29, 31.

MISCELLANEOUS.

July 4.—A man was killed by lightning while [illegible] a street at Ashland.

July 5.—A woman was killed by lightning at home [illegible] while standing on her porch. A man was killed by lightning at [illegible] while standing [illegible] Lexington [illegible] water [illegible].

July 31.—A wind storm caused damage to [illegible] tobacco, corn, tobacco, and crops in Jefferson and Oldham counties estimated at [illegible].

Floods.—The lower [illegible] in the Ohio [illegible] rivers [illegible] the beginning of the month and subsided [illegible] were [illegible]. A [illegible] and [illegible] under [illegible] resulted from the [illegible] rains in the last week.

Frosts.—May 1934, page 18: Mean temperature for Middlesboro should be 64.6 and for Williamsburg 66.1.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity	Maximum velocity.	Direction.	Date.	Relative humidity 7 a. m.	12 noon	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.92	30.24	19	29.81	7	6.2	36	nw.	6	85	64	66	80
Cincinnati ..... Ohio	30.00	30.24	19	29.74	6	5.7	29	sw.	3	81	58	72	79
Evansville ..... Ind.	30.01	30.27	19	29.83	6	6.5	21	ne.	20	78	52	59	70
Louisville ..... Ky.	30.01	30.29	19	29.77	6	8.2	37	w.	6	80	57	64	80

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall	Number of days. Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889....	75.1	− 2.2	98	50	5.62	+1.48	8.41	2.62	..	..	..	..	..
1890....	73.0	− 4.3	101	44	2.66	−1.46	6.55	0.75	..	..	..	..	..
1891....	73.0	− 4.3	91	47	4.08	−0.06	5.86	1.65	..	..	..	..	..
1892....	76.5	− 0.8	100	48	3.42	−0.84	4.81	0.85	..	..	..	..	..
1893....	75.8	+ 1.6	101	50	3.48	−0.06	7.58	0.81	..	..	..	..	..
1894....	76.2	− 1.1	105	43	2.03	−2.11	5.38	0.17	..	..	..	..	..
1895....	75.2	− 2.1	99	49	6.75	+1.81	9.96	2.54	..	9	10	13	9
1896....	77.4	+ 0.1	103	47	7.44	+3.30	18.61	2.76	0	11	11	12	8
1897....	77.8	+ 0.5	107	50	4.72	+0.65	9.05	0.92	0	10	14	11	6
1898....	77.8	+ 0.5	102	48	4.71	+0.57	12.10	0.41	0	11	13	13	5
1899....	77.3	0.0	100	47	3.78	−0.26	7.51	0.97	0	10	15	13	6
1900....	77.9	+ 0.6	101	50	4.91	+0.77	12.84	2.24	0	11	15	11	6
1901....	81.7	+ 4.4	112	48	1.72	−2.42	4.82	0.18	0	6	21	7	3
1902....	78.1	+ 0.8	107	48	1.91	−2.23	4.27	0.26	0	6	19	9	3
1903....	77.5	+ 0.2	104	49	3.53	−0.61	7.51	0.83	0	8	17	9	5
1904....	76.2	− 2.1	99	46	3.40	−0.74	6.13	1.68	0	10	16	9	6
1905....	76.9	− 1.4	102	52	5.93	+1.79	10.48	2.61	0	13	14	9	8
1906....	75.2	− 2.1	100	51	6.02	+1.88	11.52	1.98	0	11	14	9	8
1907....	78.1	+ 0.8	102	49	4.71	+0.57	8.87	1.13	0	9	18	8	5
1908....	76.9	− 0.4	100	50	3.94	−0.26	8.92	0.83	0	10	16	8	7
1909....	74.8	− 2.5	99	48	6.01	+1.87	9.94	2.76	0	11	14	9	8
1910....	77.2	− 1.1	96	51	8.63	+4.49	13.60	3.80	0	16	10	9	12
1911....	75.8	− 1.5	105	42	2.28	−1.84	6.56	0.80	0	7	16	8	6
1912....	76.8	− 0.5	100	53	5.56	+1.56	8.82	1.84	0	12	13	10	8
1913....	79.9	+ 2.6	109	48	2.51	−1.60	6.67	0.76	0	7	17	10	4
1914....	78.8	+ 1.5	109	43	3.26	−0.92	7.90	T.	0	7	17	10	4
1915....	75.7	− 1.6	102	49	5.30	+1.12	10.10	1.20	0	11	14	10	5
1916....	78.6	+ 1.3	102	52	4.17	+0.03	10.01	0.69	0	9	17	9	5
1917....	75.3	− 2.0	100	50	4.38	+0.24	8.16	1.80	0	11	12	10	9
1918....	73.8	− 3.5	103	46	3.28	−0.86	8.25	0.48	0	8	15	8	7
1919....	79.5	+ 2.2	104	50	2.10	−2.04	4.62	0.77	0	5	20	6	5
1920....	76.2	− 1.1	99	44	3.85	−0.31	7.95	1.73	0	9	15	9	6
1921....	81.1	+ 3.8	106	52	2.65	−1.49	6.81	0.94	0	7	17	10	4
1922....	76.4	− 0.9	102	47	4.75	+0.63	9.04	1.55	0	9	17	8	5
1923....	76.8	− 0.5	99	44	3.59	−0.61	5.79	0.21	0	8	17	8	5
1924....	73.7	− 3.6	96	45	5.03	+0.81	8.47	0.80	0	8	18	8	5
1925....	76.7	− 0.6	103	45	3.12	−0.50	9.21	0.48	0	9	15	10	6
1926....	77.3	+ 0.0	107	48	4.30	−0.32	10.72	0.83	0	9	16	9	6
1927....	75.7	− 1	101	45	5.71	+1.09	9.72	1.81	0	9	17	9	5
1928....	77.0	− 0.3	100	50	3.77	−0.85	9.80	0.58	0	9	17	9	5
1929....	78.7	+ 0.9	101	46	3.97	−0.17	9.87	0.65	0	9	17	10	4
1930....	80.5	+ 3.2	114	45	1.15	−2.99	5.27	0.10	0	5	21	7	3
1931....	79.9	+ 2.6	104	51	3.35	−0.79	9.31	0.48	0	8	18	8	5
1932....	78.5	+ 1.2	103	49	4.31	+0.17	8.85	1.36	0	8	18	8	5
1933....	77.0	− 0.3	106	47	5.05	+1.05	12.76	1.20	0	10	15	8	8
1934....	83.2	+ 5.9	110	57	3.83	−0.17	8.02	1.12	0	10	18	10	6
1935....	78.8	+ 1.5	103	56	5.16	+1.16	11.21	0.80	0	10	16	10	5
Record.	77.3	....	114	40	4.12	....	12.76	0.07	0	9	16	9	6

Climatological Data for July, 1935.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall unmelted	With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	
Western Division.																				
Calhoun	McLean	437	31	80.0	+ 1.6	97	31	63	17	26	7.59	+3.93	2.66	0	7	3	28	0	se.	W. A. Taylor.
Earlington	Hopkins	420	45	81.1	+ 2.2	99	31	62	14†	33	3.49	−0.32	1.47	0	7	24	4	3	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	358	6								1.86		0.92	0	6					Lockmaster.
Greenville	Muhlenburg	519	18	78.2	+ 0.2	98	31	59	17	33	3.33	−0.10	1.10	0	7	23	8	0	s.	C. R. Lovell.
Henderson	Henderson	382	21			102‡	31	63‡	15†	33‡			1.33							Richard Stites
Hopkinsville	Christian	524	39	80.4	+ 1.3	101	31	62	15†	36	3.96	+0.08	2.05	0	10	6	14	11	se.	W. E. Graves.
Leachgeville	Pallard		6																	Blaine Malone.
Marion	Crittenden	571	36																	R. C. Paris.
Mayfield	Graves	364	26	80.4	+ 1.5	99	31	64	15	29	3.85	+0.21	1.02	0	7	17	11	0	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	9	79.5		103	31	57	15	40	4.52		1.33	0	6	18	9	4	n.	Harry B. Arnold
Owensboro	Daviess	479	38	78.5	+ 0.7	96	31	61	15	29	1.39	−1.84	0.33	0	6	22	5	4	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	7								1.35		0.34	0	0					Lockmaster.
Paducah	McCracken	516	18								0.59	−2.67	0.44	0	5	22	9	0		C. J. Rhodes.
Paducah (near)	McCracken	341	46								1.00	−1.99	0.55	0	3					J. W. Lilley
Princeton	Caldwell	529	28	80.5	+ 1.9	100	30	63	15	31	1.41	−2.29	0.35	0	8	9	20	2	n.	Dr. W. L. Cash.
Tilghman, Lock 2	Livingston	381	18								6.51	+3.91	2.53	0	7					Lockmaster.
Russellville	Logan	590	24	79.0	+ 0.8	96	31	60	15	32	5.89	+1.53	2.49	0	9	21	9	1	s.	Wm. Shelton.
Uniontown, Dam 19	Union	357	7								2.47		1.17	0	8					Lockmaster.
Central Division.																				
Addison, Dam 40	Breckinridge	352	7								5.33		2.15	0	9					Lockmaster.
Anchorage	Jefferson	700	34	76.6	+ 0.3	93	31	58	14†	28	3.79	−0.43	2.07	0	11	16	14	1	sw.	C. E. Barret.
Bardstown	Nelson	637	38	78.4	+ 0.2	96	17†	58	15	34	5.08	+1.11	1.85	0	9	19	7	5	s.	Mrs. Emily T. Sisco.
Bowling Green	Warren	506	46	79.8	+ 0.5	96	31	64	15†	30	5.04	+0.84	2.14	0	8	20	10	1	s.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	10																	Lockmaster.
Brownsville, Lock 6	Edmonson	479	18								5.48	+2.05	1.28	0	12					Lockmaster.
Burnside	Pulaski	773	41								6.80	+2.13	1.67	0	12					T. A. Lewis
Carrollton, Lock 1	Carroll	480	36								6.21	+2.91	2.51	0	11					Lockmaster.
Cool Spring, Dam 36	Campbell	489	9								2.56	−1.47	0.42	0	14					Lockmaster.
Danville	Boyle	540	2	77.5		94	12†	59	14	31	3.82	−0.84	1.16	0	10	12	16	3	sw.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	7	79.7	+ 1.9	96	2†	61	10†	31	3.03	−1.02	1.05	0	8	16	10	5	s.	C. W. Williams.
Eubank	Pulaski	1177	41								3.27	−1.07	1.12	0	7					Mrs. Katie Payne.
Frankfort	Franklin	560	43	79.0	+ 1.8	97	31	60	14†	31	7.81	+3.76	2.82	0	12	19	9	3	w.	Lockmaster.
Franklin	Simpson	691	40	81.4	+ 2.8	101	31	63	15	36	3.69	−0.46	1.26	0	9	15	14	2	s.	Marcus Gatewood.
Gest, Lock 3	Henry	490	24								3.59	−0.57	1.46	0	10					Lockmaster.
Glasgow	Barren	780	9	77.8		95	12	58	15	30	8.93		3.70	0	7	21	5	2	e.	P. L. Beatty.
Grant, Dam 38	Boone	780	10								4.06	−0.49	1.24	0	12					Lockmaster.
Greensburg	Green	581	42	77.8	+ 1.2	99	31	56	15	32	6.04	+1.93	1.98	0	14	4	2	25	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38								3.74	−0.50	1.25	0	9					Lockmaster.
Irvington	Breckinridge	646	37	78.8	+ 1.2	94	31	62	15	26	5.71	+2.61	1.49	0	10	16	10	5	sw.	W. J. Piggott
Lancaster	Garrard	1032	9								4.59	+0.12	1.75	0	9					Walter Killion.
Leitchfield	Grayson	835	39	79.2	+ 2.1	96	31	62	8†	29	5.93	+2.10	1.87	0	9	13	14	4	sw.	H. H. Willis.
Lexington	Fayette	969	51	79.0	+ 3.1	99	15	61	10	32	9.66	+6.01	2.70	0	13	17	12	2	sw.	U. S. Weather Bureau.
Little Beckman, Lock 8	Jessamine	580	24								2.80	−1.28	0.85	0	6					Lockmaster.
Lockport, Lock 2	Henry	485	25								3.96	+0.14	1.17	0	9					Lockmaster.
Louisville	Jefferson	525	62	80.2	+ 1.6	96	31	65	8	23	4.21	+0.51	1.37	0	11	11	12	8	n.	U. S. Weather Bureau.
Mammoth Cave	Edmonson			78.4		98	8	57	15	34	5.17		0.95	0	12	17	5	9	w.	Ivan J. Ellsworth.
St. Joan	Hardin	777	39	77.8	+ 1.4	95	6†	59	15	32	3.65	+0.15	1.65	0	6	28	1	2		Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	21								8.58	−0.82	0.90	0	10					Lockmaster.
Shelbyville	Shelby	825	46	79.0	+ 2.2	97	18†	61	14†	31	4.08	+0.02	0.99	0	9	14	2	15	sw.	Miss Kathigatta.
Taylorsville	Spencer	489	33	77.2	+ 0.9	92	6†	56	15	33	5.68	+1.58	1.20	0	12	23	6	2		Elizabeth J. Bourne.
Tyrone, Lock 5	Anderson	524	17								2.82	−1.36	0.65	0	8					Lockmaster.
Williamstown	Grant	945	32	80.4	+ 4.2	99	31	62	14†	34	5.79	+2.10	1.05	0	12	25	3	3	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	18								6.66	+3.29	3.33	0	8					Lockmaster.
Eastern Division.																				
Annville	Jackson		4								5.46		1.47	0	11	9	18	4	sw.	W. A. Worthington.
Ashland	Boyd	534	16	78.4	+ 1.9	94	12	59	14	31	5.13	+1.25	1.16	0	12	15	10	6	sw.	Lockmaster.
Berea	Madison	1070	30	77.6	+ 1.8	98	25	59	15†	33	6.92	+2.69	1.62	0	12	17	8	6	sw.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	25								4.80	+0.38	0.95	0	14					Lockmaster.
Cynthiana	Harrison	684	17								4.45	+1.07	1.85	0	9					P. H. Kehoe.
Falmouth	Pendleton	609	46								2.77	−0.92	1.01	0	12					A. V. Hildebrand.
Farmers	Rowan	668	27	78.6	+ 3.5	96	18	56	14	33	6.47	+1.87	1.51	0	11	10	11	10	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	10								5.31	+1.62	1.71	0	9					C. A. Glascock
Ford, Lock 10	Clark	637	19								8.08	+3.00	2.52	0	11					Lockmaster.
Greenup, Dam 30	Greenup	540	15								5.97	+1.62	1.83	0	12					Lockmaster.
Harlan	Harlan	1197	7	76.1		90	31	59	14	30	6.98		1.33	0	14	7	16	8	s.	W. W. Dillehl.
Hazard	Perry	869	11								5.32	+0.78	0.95	0	11					Chas. O. Ilting.
Heidelberg, Lock 14	Lee	683	18	78.2		95	17	57	14	33	4.46	−0.46	1.07	0	14	6	6	19	w.	Lockmaster.
Jackson	Breathitt										7.90		1.60	0	11					
Jamestown	Letcher	1566	11								6.04	+1.65	2.03	0	10					R. P. Davidson.
Louisa	Lawrence	584	31								5.82	+2.16	1.39	0	12					Lockmaster.
Manchester	Clay		15								5.97	+0.77	1.05	0	15					Jennett H. White.
Maysville	Mason	504	28	80.0	+ 3.2	97	11	61	14	31	8.90	+4.57	4.24	0	14	12	10	9	s.	Lockmaster.
Middlesboro	Bell	1198	33	76.6	+ 1.3	98	30	55	15	37	4.06	−1.01	0.70	0	9	13	18	0		Matthew Woodson
Mount Sterling	Montgomery	929	15	78.2	+ 2.1	96	12	59	14	30	6.28	+1.22	1.56	0	12	19	10	2	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	8								4.51	+0.26	1.17	0	12					Lockmaster.
Paintsville	Johnson	567	1								7.46		2.64	0	14					Manuel Robinson.
Pikeville	Pike	695	29								7.59	+3.31	2.16	0	12					Robert Repass
Rockcastle	Rockcastle										11.24		2.95	0	16	12	2	17		August D. Angel.
Rowena	Knox	1035	1			95	12				7.95		2.50	0	10	12	12	7		Canes Run Coal Co.
Stanford	Lincoln	752	9	78.4	+ 1.9	98	17	59	14	32	8.05	+2.62	1.60	0	12					R. W. Jones.
Tyrone, Lock 12	Estill	631	17								6.64	+2.07	1.43	0	14					Lockmaster.
Versailles	Woodford	926	44	77.4	+ 0.5	92	19	62	14	23	5.83	+1.50	1.63	0	13	17	5	9		J. W. Crooke.
Wallace, Lock 9	Madison	571	22								7.36	+3.03	1.95	0	11					Lockmaster.
Wheelwright, Dam 32	Lewis	525	20								7.92	+2.80	1.70	0	11					Lockmaster.
Wooton	Leslie	1142	10																	H. H. Zimmerman.
Worthington	Greenup	939	38	79.1	+ 1.9	96	11†	59	14	34	6.27	+1.46	1.99	0	11	17	10	4		H. E. Davis.
Yatesville, Lock 13	Lawrence	636	12								4.63	−0.79	0.71	0	12					Lockmaster.
State average and extremes				78.8	+ 1.5	103	31	55	15	40	5.16	+1.02	3.70	0	10	16	10	5	s.	

All temperature data are taken from self-registering thermometers.

For departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining extreme and departure values.

Dispatch, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, 6 represents two days, etc.

* Also on other dates. †† Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

‡Date of occurrence. ‖Lock 5, Lewisburg, W. Va.; Lock 6, Versailles, Ky.; Lock 9, Nicholasville, Ky.; Lock 10, Red House, Ky.; Oneonta, California, P. C.

* 12-04. ** 13-35.

Daily Precipitation for July, 1935

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Calhoun					2.66																											
Carrington	.07		T			1.47														.40	.60	2.50	.60	.40				T				7.27
Fords Ferry Dam 50			.02		T	.21	.01						T																			8.24
Greenville																			T			T	T	.50		T						1.00
Henderson																																
Hopkinsville																				1.30		.84		1.00								
Lovelaceville						.56													.60	.40	.25	.60	.65	.80		.40						3.95
Marion																																
Mayfield	.82	.22	T			T																										
Murray	.27	T	T			1.33												T		1.02		.16	.67		T	.20						
Owensboro						T												.14		1.14	.76	.86	T					T				
Owensboro, Dam 16																				.20	.10		.06									
Paducah	.01	T					.67						T								.24	.24	.17	T	.27	.36						
Paducah (near) *																				T	.04		.05	T						.64		
Princeton																					.55											
Salbury, Lock No. 2					.30	.28														.18	.14	.10	.05					.15			.30	
Russellville						2.17															.45											
Smithtown, Dam 49					.14	.56															2.44		1.20	.25	.20	.20	.55		.27	.01		
Central Division																				.16	1.17		.18	.40	T	.10						
Addison, Dam 45																																
Ambergate			.03		.16	.26															.34	T	.18	.20	.2 16	.54	T		1.08			
Bardstown	.32		T		.01	.10														.01	.07	.13	.59	.05	.2 .7	.20					.05	
Bowling Green	.8 .22				.45	.10		.25													6.		12	T	.20	1.40						
Bowling Green, No. 2	T				.20	.22	1.60															2.14	.10	T		.05	.50		.20			
Brandenburg, Lock No. 6																																
Brownsville	.19		.32		.10	.21	.07													.12	.88	1.28	.11		.14	.18		.2				
Burkesville (Lock No. 1)	.42		.36	.46	1.67	.38	.42													T	.14	.21	.32	T	.5	.40		1.37	T			
Cold Spring, Dam 36			.10	.60		.24														2.61	.54	.25		.50	.57		1.10		.21		
Danville	.09	.04		.25	T	.01														.30	.27	.42	.17	.15	.40	.11		.06				
Dix Dam, Burgin		T		.36	.24		.48						.01							.03	.03	.07		.07	1.10						
Eubank			.53			.70														.10	.25	.08		.15			1.66		.32		
Frankfort	.09		.48	.09	.61																	.08		.15		1.05			.17		
Franklin	.05		T		.89	2.82	.91																	.48	1.12					.70		
Gest, Lock No. 3	.05			.29	.48	.25														.33	1.44	.07	.03	.58	.43	.66		.41				
Glasgow	.32		.05		.45	.10	.10													1.26	.60		.82	.30				.11				
Grant, Dam 34				.78	2.00														T	.06	1.05	.04		1.45	.18			.28				
Greensburg				.69	.10		.05												T	3.50	.12			.68	.15			1.15				
Green River Bridge, Lock No. 7	.77		.05	.66		.01	.22												.05	.41	1.14	.08	.11	.25	1.05	.02		.05				
Harrison				.47			.73										.17			1.38	.10	.27	.01		.31	.94		.48		.10		
Hanover				.27	.19		.18													.88	.13	.05	.02		.12	.09		1.25				
Hartford				.05		.30													T	.62	.25	1.04	.10	1.49	1.01			.56				
Litchfield	T				.10															.02	1.76	.28		.07	.73		1.10		.25		
Lexington ***				.03	1.83	T.	.08		T.										.05	1.25	.24	.32	.02	.90	1.87			.04				
Little Rockm, Lock No. 8				.48			.04												.51	.50	.40	.08	1.19	1.18	2.50	.01	1.16	T		.09		
Lockport, Lock No. 2			.15	.61			.30													.33			T			40	.10		.85			
Morrisville ***				.30	.54	.40													T	.33	.36	.10		1.17	.73			.48				
Mammoth Cave	.19		.18	.40	.55	.95												T.	.17	.50	.03		.30	1.08	.01		.57	.41				
New John			.25			T.													.17	.33	.34	.22		.91	.13			.50				
Nelsonville	.50		.25		.20	.30	.40												.60	T.	.30	.50			1.05			.35				
Owensville				.08	.05		.48												T.		.23	.15	.15	.50				.90				
Pleasure, Lock No. 5			.29	.12	.02		.15														.09	.50	.39	.22	.55			.82				
Williamstown			.2		.58	.18	.52													.78	.28	1.20	.10	.37	.45		1.03		.85		
Woodbury, Lock No. 4				.04	.35	.35	1.05																									
Eastern Division				.12		.32														.03	.03	1.03	.27		.89	.09		.33				
Barbourville																																
Beaulah			.35	.45	.93	.52	.12													.01		.20		.06	.45	.80		1.47				
Berea				.34	.72	.04	.03													.62	.89	.14		.21	1.16			1.04		.24		
College Hill, Lock No. 11	.01	1.25		1.26	.16		.57																									
Cuthiana	.30		.05	.30	.40	.33	.25													.42	.43		.30		.85	.20		.62		.05		
Dixmouth			T.	T.	T.		1.85													.05	.38	T	.35		.37	.39		.40	T.			
Farmers					.75	.01	1.01													.01	.13	.07	.27	.03	.85	.64		.81				
Georgetown				.23	.66		.14														1.51	.16	.17	1.10	1.37	.74		.19	.26			
Ford, Lock No. 10					.44		.18																									
Jessamp, Dam 30	T.			.34	.37	.42														1.08	.50	.13		1.16	.24		1.74		.12		
Harlan	.34	.02		.71	T.															2.52		.26	.18	.57	.66	.60		1.55		.35		
Hazard		.15		.33	.70		.10					.22		.20	.22					.46	.80	.16	.44	.28	1.53	.04		.27		.62		
Heidelberg, Lock No. 14	.92				.72	.95	.10				.08									.97	.90		.12	1.30		.06		.58				
Jackson	1.07				1.05	.10	.14													.55	.53		.24		.78	.10		.60				
Jenkins			T	.20	1.50		.80								.40					.42	.17	.04	.08	.16	.10	.15		.90		.08		
Louisa	.35	.25	.84	.38																1.25	.26	.20		.95		.85	.40	1.00		.75		
Manchester	.12	.26	.04	.58	.10								.69							2.03	.11	.32					.64					
Mayesville	.17			.18	.42		.05	.13			.03	.29								1.30	.58		.17	1.15	.58	.17		.74				
Middlesboro	.01	.06		.10	.90	.42	.05													.30	.30	.25	.11	1.05			1.50	.31				
Mount Sterling			.33	.67	.60															1.56	.02	.14	T.	.61	4.24	.08		.65		.06		
Mountain Dam 35	.19		.05	.65	.60		.39													.70	.15	.22		.57	.16			.66				
Pikeville		.68		.69	.28		.13	.03											T.	1.56	.02	.40	.50	.86	.13		T		.25		
Somerville		.10		.36	1.20	1.64	.10													.73	T	1.17	.04	.25	.40	.42		.29				
Stone Mountain	.26	.12			1.00	.24			.08							.10				1.30	.70	.43	.28	.10	.20	.02		.98				
Stoopass				2.00			1.56	1.75	1.00											2.81	.78		.50	2.10	.46		.62				
Tuckasad	.75	.15	.50					T										.25	.38	.13	.62	.25	.18	.34	.67	.62		.52		.23	11.24	
Vanceburg, Lock No. 12	.90	.10		.50	1.66		.28											T		2.50		.50		.70	.16	1.30		.15		1.10	7.85	
Warsaw			.80	.11	.64	.03	.26												1.04		.46	.86	.18		.66		1.49		.18			
Whitesburg	.50				.50	.28	.46											.09		T.	.20	.42	.21	.68	.05	.43	1.48		1.25			6.64	
Woodburg, Dam No. 32			.80	.03	1.10	.03	.46												.07		.06	.08	.52	.05		.30	1.02	T.	1.66		.10	5.58	
Wolfesburg	.22		1.01	.06			.65													1.80		.33	.07	T.		1.08		.95		.35	7.76	
Williamsburg																				1.51	.16	.25		1.67	1.70			.60		.25	7.12	
Dow Lock No. 13	.10		.15	.90	1.09																											
			.55	.88	.18													.18				.48		.46	.54	.74		.73	.06		6.27	
										.10			.05						.45	.74	T.	.26		.25	.25		.56			1.6	4.03	

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi. *Lone Oak §10.10.

Daily Temperatures for July, 1935.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	93	92	88	90	88	93	90	81	85	90	95	94	85	89	90	90	89	90	89	88	79	87	89	91	88	91	90	93	96	95	97	89.8
	Minimum	70	72	73	73	70	71	69	65	64	66	69	70	72	65	65	65	68	69	72	71	72	71	70	72	74	78	72	73	77	72	75	70.2
Earlington	Maximum	91	94	92	93	92	95	92	86	85	91	95	94	91	91	92	91	95	94	92	90	90	92	91	93	90	92	90	93	96	98	99	92.3
	Minimum	68	70	71	74	75	72	68	66	64	67	69	73	62	63	65	62	68	74	74	72	72	71	71	73	73	72	71	77	70	73	78	69.9
Greenville	Maximum	91	93	90	89	89	93	90	85	81	87	92	91	84	87	89	88	92	92	92	94	86	86	88	90	89	91	85	90	93	95	98	89.7
	Minimum	65	68	69	70	70	68	65	64	64	62	65	66	70	60	60	64	59	65	68	69	70	68	66	66	70	68	70	68	70	68	68	66.8
Henderson	Maximum	..	..	..	..	..	..	..	..	..	..	99	94	93	94	96	92	99	98	94	91	93	95	92	92	92	93	95	97	101	99	102	...
	Minimum	..	..	..	..	..	..	..	..	..	..	76	63	64	64	63	63	64	68	73	71	70	71	71	72	73	73	72	73	70	76	74	...
Hopkinsville	Maximum	91	94	91	91	89	95	93	87	85	92	95	94	91	92	94	92	98	93	92	90	89	90	89	93	90	93	92	92	96	98	101	92.3
	Minimum	66	68	71	70	71	70	67	66	63	63	67	68	71	64	62	64	62	70	69	71	72	68	67	71	72	70	70	71	74	70	72	68.4
Lovelaceville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mayfield	Maximum	89	90	89	89	91	96	92	88	81	87	91	91	87	87	93	89	95	91	92	87	93	90	88	91	91	93	89	92	96	94	99	90.8
	Minimum	68	70	70	69	73	73	69	69	65	66	69	71	72	65	64	67	66	70	71	71	71	71	70	72	73	70	72	73	74	73	75	70.1
Murray	Maximum	88	91	90	90	92	94	90	84	84	88	93	90	88	87	90	87	92	92	91	89	89	88	87	90	88	89	88	91	92	93	96	89.7
	Minimum	67	69	69	70	73	68	65	63	63	65	65	68	65	61	64	64	65	70	71	71	71	68	67	69	68	70	70	70	69	69	71	67.8
Owensboro	Maximum	91	91	93	93	91	94	93	88	81	86	91	91	93	88	89	91	93	93	92	90	90	88	87	87	89	95	91	93	90	93	97	90.9
	Minimum	69	70	71	72	73	71	69	68	64	64	67	70	72	67	63	67	65	70	72	73	73	71	72	72	73	71	72	72	73	74	75	70.1
Princeton	Maximum	88	92	91	93	87	92	92	83	81	86	91	95	85	87	92	83	94	92	90	90	88	90	90	92	92	84	91	93	90	93	97	90.0
	Minimum	66	69	71	71	73	70	67	66	64	62	65	68	71	62	60	61	61	67	69	71	72	68	69	70	72	70	69	71	71	70	72	68.0
Russellville§§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Central Division.																																	
Anchorage	Maximum	88	89	88	88	89	90	88	81	81	88	93	89	84	86	86	86	91	91	90	86	86	89	84	85	79	84	85	87	88	89	93	87.0
	Minimum	65	66	68	68	63	68	64	61	62	64	65	66	66	58	58	59	66	67	68	68	67	68	70	70	71	70	68	67	69	68	70	66.3
Bardstown	Maximum	91	94	92	91	92	95	92	83	73	92	95	92	89	90	88	91	96	96	93	89	83	91	88	90	83	90	90	90	91	93	96	90.3
	Minimum	65	68	68	69	67	62	64	62	60	62	65	67	67	60	58	61	62	69	68	68	71	72	70	71	70	71	70	70	68	67	72	66.6
Bowling Green	Maximum	93	92	93	90	88	93	93	86	86	84	92	95	88	91	94	91	95	95	95	93	94	96	85	91	88	85	90	92	94	95	96	90.6
	Minimum	67	70	70	70	72	70	69	67	68	68	67	70	72	68	64	66	64	70	69	71	70	68	68	70	72	70	69	70	72	71	72	69.1
Danville	Maximum	88	92	91	88	89	91	90	84	84	88	93	94	89	90	90	89	94	91	91	89	87	90	89	92	89	83	89	89	88	92	89	89.3
	Minimum	63	65	68	68	69	68	62	65	64	62	64	65	69	59	62	62	63	64	67	66	70	67	65	69	69	68	66	67	67	65	70	65.7
Dix Dam	Maximum	90	96	93	90	91	94	93	87	81	89	93	90	89	90	90	91	94	96	93	90	90	87	92	90	94	92	85	89	92	90	92	91.0
	Minimum	66	67	70	70	73	70	64	67	67	61	65	68	71	61	61	61	63	71	65	69	67	68	73	73	73	72	72	68	68	70	76	68.4
Eubank	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Frankfort	Maximum	90	92	91	91	93	94	93	84	84	90	94	94	88	90	91	89	92	94	92	89	86	90	89	90	86	89	88	92	90	93	97	90.5
	Minimum	66	67	69	70	70	68	65	66	66	64	68	68	70	60	60	61	62	68	68	68	72	68	70	73	72	73	73	68	69	68	67	67.6
Franklin	Maximum	91	97	93	93	87	93	96	90	85	89	94	97	90	90	96	92	100	97	94	93	84	91	90	96	92	92	92	88	93	95	98	101	93.2
	Minimum	67	70	73	71	73	70	69	67	65	64	68	70	72	64	63	64	64	72	70	72	69	70	69	72	73	72	69	72	74	72	74	69.5
Glasgow	Maximum	91	93	92	88	90	92	91	78	82	87	93	95	81	85	88	89	94	93	93	85	74	90	85	93	88	90	89	92	90	91	93	88.0
	Minimum	67	67	70	70	70	68	65	68	62	68	65	67	72	61	58	63	65	72	68	68	68	69	69	71	72	68	66	70	70	69	70	67.6
Greensburg	Maximum	90	93	87	86	92	93	89	88	91	86	86	90	95	85	88	86	90	93	96	95	84	89	86	89	87	88	86	89	87	88	89	89.9
	Minimum	63	64	66	67	69	67	64	65	64	60	63	67	69	59	56	60	61	66	66	66	66	67	67	79	69	67	66	67	66	69	69	65.6
Irvington	Maximum	88	90	89	88	91	90	88	83	80	86	90	94	85	87	88	89	92	92	91	89	84	88	87	89	83	88	88	89	89	90	91	94	88.4
	Minimum	67	70	71	73	70	70	69	63	67	65	67	70	70	65	62	64	65	69	73	71	72	70	70	72	72	73	71	70	70	70	74	69.8
Leitchfield	Maximum	91	92	90	91	93	93	91	80	81	89	93	95	85	88	91	87	92	95	92	90	79	88	88	91	87	88	87	91	90	92	94	89.5
	Minimum	65	70	72	72	72	68	67	62	67	64	67	68	73	64	62	64	67	70	70	73	71	70	70	71	71	71	71	71	70	70	74	68.9
Lexington	Maximum	93	97	93	89	90	94	91	84	80	89	93	94	87	90	91	88	94	95	94	93	85	91	88	93	90	90	90	94	92	95	97	91.6
	Minimum	67	68	70	69	69	69	64	66	66	61	66	69	69	63	61	61	63	71	69	69	70	69	70	69	71	71	73	68	67	69	68	68	67.6
Louisville	Maximum	89	92	90	90	88	93	91	76	80	90	94	92	86	87	88	87	92	93	92	87	82	88	86	89	84	88	88	91	91	92	96	88.8
	Minimum	71	72	73	72	73	70	72	63	66	68	72	73	71	69	70	65	71	74	75	72	72	72	72	72	72	75	71	74	74	72	78	71.9
Mammoth Cave	Maximum	91	90	90	90	91	93	98	81	82	89	94	93	87	87	90	90	95	92	92	88	79	88	88	91	87	88	87	89	89	93	95	89.8
	Minimum	65	67	68	70	70	69	68	64	66	66	66	68	71	60	57	61	61	67	70	71	70	69	68	70	72	69	65	66	70	68	70	66.9
St. John	Maximum	90	93	89	91	93	95	93	81	81	88	93	95	85	88	89	90	96	97	94	94	89	93	86	91	86	90	87	91	88	94	97	90.4
	Minimum	65	68	68	69	68	67	66	66	65	65	65	65	68	65	59	62	64	67	68	69	69	69	67	65	66	66	67	68	68	71	74	67.7
Shelbyville	Maximum	88	94	92	91	90	94	92	83	80	88	93	95	87	89	90	89	94	96	95	93	86	91	88	92	87	89	89	93	91	93	96	90.7
	Minimum	67	70	70	69	70	69	64	62	63	65	67	69	68	61	61	62	64	70	69	70	69	70	67	67	70	69	69	71	71	72	68	68	67.8
Taylorsville	Maximum	88	90	89	89	88	92	89	81	79	88	92	92	85	87	89	87	91	92	90	88	85	89	86	88	84	87	86	89	87	91	93	89.1
	Minimum	66	69	70	69	69	68	65	63	63	62	64	66	70	58	58	61	62	67	67	67	70	69	69	70	69	71	70	72	68	68	68	67.1
Williamstown	Maximum	93	96	95	90	94	96	95	89	82	93	97	97	90	94	96	92	98	97	94	92	89	94	89	92	92	88	89	94	93	94	99	92.8
	Minimum	67	68	69	70	69	70	65	64	65	65	69	70	68	62	62	63	62	70	70	71	71	70	70	72	71	73	73	69	70	67	64	69.0
Eastern Division.																																	
Ashland	Maximum	90	91	91	87	87	91	91	85	80	87	91	94	88	90	91	85	91	92	93	93	86	90	91	90	82	84	88	92	85	90	91	88.9
	Minimum	65	65	68	70	70	70	67	72	68	68	69	72	70	68	68	68	69	72	73	73	75	72	73	73	75	72	69	70	71	69	72	69.7
Berea	Maximum	84	89	90	90	85	86	91	86	80	86	88	90	91	92	91	88	82	92	91	90	91	89	91	89	92	88	86	82	90	87	89	91	88.7
	Minimum	63	64	66	70	69	63	61	69	65	61	69	68	59	59	59	61	66	67	68	68	69	70	70	70	72	67	68	68	69	67	68	65	66.4
Farmers	Maximum	93	94	94	90	91	93	92	86	84	92	89	94	89	91	91	88	94	95	95	91	89	91	91	93	82	88	89	92	84	89	92	90.6
	Minimum	72	73	73	70	71	72	72	68	65	70	72	75	69	68	69	67	68	70	72	73	73	73	73	73	73	73	73	73	73	73	73	70.8
Harlan§§	Maximum	88	88	88	85	84	86	89	81	82	84	89	89	89	90	89	89	90	90	89	89	87	88	88	89	89	89	89	89	89	89	89	88.0
	Minimum	68	67	64	66	69	69	65	67	66	63	68	69	68	68	69	68	69	69	68	69	68	69	69	69	69	69	69	69	69	69	69	66.2
Heidelberg	Maximum	96	93	93	91	91	91	92	86	83	89	91	93	88	89	90	89	95	91	91	93	88	88	88	91	90	90	88	88	88	85	86	89.8
	Minimum	67	66	68	69	69	70	64	67	64	64	63	65	68	69	57	62	63	62	66	66	68	72	67	70	70	70	69	69	67	67	67	66.7
Maysville	Maximum	92	93	93	87	91	93	94	88	84	94	97	95	90	92	89	88	93	96	95	91	86	90	91	89	86	89	86	89	92	93	93	91.1
	Minimum	69	70	69	71	70	71	67	71	68	66	66	67	69	67	65	65	69	68	73	71	72	68	74	73	72	69	70	70	71	69	69	68.8
Middlesboro	Maximum	93	89	92	85	85	95	97	88	85	89	91	93	90	92	93	95	90	88	97	88	85	84	91	89	86	85	93	85	89	98	83	91.3
	Minimum	64	63	62	66	65	65	67	63	62	53	63	66	65	59	55	58	58	61	61	61	67	66	68	66	65	66	65	63	61	60	61	65.0
Mount Sterling	Maximum	91	95	93	91	91	92	91	84	82	88	92	96	87	89	91	88	94	95	93	93	82	91	84	91	84	89	88	92	89	91	91	90.0
	Minimum	64	64	67	67	69	69	62	68	66	62	65	67	64	59	62	61	63	68	66	68	68	67	67	69	69	71	71	70	68	66	67	66.5
Pippapass	Maximum	94	92	90	87	87	88	89	85	83	87	92	95	89	89	89	89	93	90	91	89	88	88	89	91	91	89	88	89	89	89	89	89.0
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum	95	95	91	90	89	90	91	92	85	91	92	97	93	91	90	91	98	93	94	91	84	90	87	92	90	87	91	91	93	90	87	91.3
	Maximum	65	66	65	67	66	69	64	68	64	63	66	69	65	59	60	61	61	64	65	65	68	65	68	69	70	70	69	65	66	64	66	65.4
Richmond	Maximum	88	84	90	89	87	87	88	87	81	80	85	88	91	85	85	85	85	91	92	87	79	85	87	88	89	86	85	87	90	89	87	86.9
	Minimum	67	68	69	70	68	67	63	68	66	63	71	70	71	62	61	62	65	70	69	69	69	70	70	71	69	69	69	67	69	67	69	67.9
Williamsburg	Maximum	92	91	94	91	88	92	94	89	85	91	93	93	91	95	93	93	94	94	95	93	85	90	89	93	90	89	94	93	93	94	92	91.8
	Minimum	66	67	69	68	66	68	62	67	64	62	65	70	69	59	60	62	63	66	65	65	72	68	68	71	70	68	68	67	65	69	66	66.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*,** etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville 8-25-35 1100

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.

J. L. SUNDALL.

VOL. XL. LOUISVILLE, KY., AUGUST, 1935 No. 8

GENERAL SUMMARY.

Abnormally warm weather in the first two weeks, in connection with local moisture shortages, caused marked variation in crop conditions. These were most pronounced in the hilly districts of the central and western counties early in the month, and in the southern counties toward the end. The long period of warm, dry weather permitted threshing to go on almost without interruption until practically completed. A large quantity of excellent hay resulted from this favorable weather. Moderate to heavy showers in all sections in the third week revived pastures and greatly benefited the growing crops. Some early corn in dry localities, mostly west and south, had fired during the dry period and was too far gone to be helped. These rains were timely, however, for the late corn, which had developed large root systems and responded to the abundant moisture with very rapid growth. Most of it had reached the tasseling stage by the end of the month. Several days of abnormally cool weather at the end of the month were unfavorable for this late corn.

The dryness of the first half retarded late tobacco, and some localities west and south became too dry for this crop later in the month. Rapid advancement followed the rains of the third week, and this growth was maintained in the northern counties by the heavy rains of the last week. Much tobacco was topped very late, and in southern districts plants of the latest settings were often small and undeveloped. Some parts of the bluegrass region received too much rain for tobacco as well as other crops, and local downpours caused considerable damage. Cutting commenced in the burley district in the second week, with temperatures rather high but the weather otherwise favorable. The humid weather of the third week and the cold winds of the last few days were unfavorable for housed tobacco. Late potatoes, field tomatoes, gardens, and forage crops improved decidedly during the last half of the month.

TEMPERATURE.

Temperatures above normal prevailed during the first three weeks and below the seasonal average in the last decade. They were 8° to 14° below normal on the last four days, and minima [illegible] or lower at many stations. Maximum temperatures of 100° or higher were registered early in the month at most western and some southern stations. The extremes were 104° at Lovelaceville on the 6th and 35° at Greensburg on the 31st.

PRECIPITATION.

Rainfall increased northeastward from less than 2.0 inches in some western districts to 7.0 inches or more in the bluegrass region. Most sections in the northeastern quarter of the State received from 5.0 to 7.0 inches and in the southeastern mountain districts also about 5.0 inches. In the southern and western counties precipitation varied between 1.0 and 3.5 inches. For the State amounts ranged from 0.84 inch at Russellville to 9.54 inches at Frankfort. Moderate to heavy showers occurred generally in the eastern counties on the 8th and 11th, but were local in central and western sections. The showers periods of the [illegible] and 26-28th brought good rains to all districts, but they were heavier and more general in the central and eastern sections. The rainfall was considerably below normal in most south central and extreme western sections. Days with thunderstorms were: 3, 7, 10, 12, 13, 14, 15, 17, 20, 27.

MISCELLANEOUS.

River.—The run-off affecting the Ohio was larger than usual in this month. A considerable rise occurred from the 4th to 11th, followed by a slow decline to pool stages on the 26-27th. Stages fluctuated above pool levels most of the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure reduced to sea level.					Wind.				Relative humidity.		
	Month.	Highest.	Date.	Lowest.	Date.	Average hourly velocity.	Maximum velocity.	Direction.	Date.	7 a. m.	7 p. m.	Number of cloudless days.
Cairo	Ill.	29.96	30.20	31	29.82	1	6.7	22	N.	95	62	6
Cincinnati	Ohio	30.00	30.19	21	29.82	1	6.1	28	NW.	87	60	7
Evansville	Ind.	29.98	30.20	31	29.78	1	6.8	31	N.	93	63	6
Louisville	Ky.	30.01	30.23	31	29.78	7	8.6	32	NW.	85	58	6

COMPARATIVE DATA FOR AUGUST.

Year	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1895	79.6	−5.0	104	43	1.98	−2.56	3.95	0.62					
1896	76.2	−2.4	101	46	6.56	+0.46	8.98	2.95					
1897	75.5	−2.7	105	48	5.39	+2.05	10.79	2.72					
1898	79.4	−0.2	96	45	3.35	−0.66	5.44	0.97					
1899	78.2	−0.8	99	48	1.75	−2.03	3.23	1.44					
1900	77.1	+1.5	105	51	3.42	−0.71	7.75	0.86		6	11	14	6
1901	76.6	+1.0	102	49	2.45	−1.58	5.44	0.62		6	11	14	6
1902	77.1	+1.5	105	51	2.85	−0.96	5.44	0.62		6	11	14	6
1903	76.2	−0.4	101	49	2.33	−1.48	6.42	0.56		7	11	13	7
1904	76.7	+1.1	100	55	5.81	+1.99	9.85	1.16		6	11	14	6
1905	78.1	+2.5	102	51	3.82	−0.04	7.20	1.20		6	11	14	6
1906	80.4	+4.8	104	52	5.78	+1.92	8.91	0.63		6	11	14	6
1907	75.5	−0.1	101	50	3.12	−0.74	5.24	1.42		8	12	12	7
1908	75.6	0.0	103	45	2.48	−1.38	5.78	0.85		5	12	12	7
1909	75.5	−0.1	100	49	2.27	−1.48	4.61	0.96		6	11	11	9
1910	75.2	−0.4	100	48	3.60	−1.06	5.61	1.77		8	12	11	8
1911	75.7	+0.1	99	52	3.32	−0.34	7.16	1.21		7	12	12	7
1912	77.4	+1.8	99	45	4.25	+0.65	7.20	1.20		10	12	12	7
1913	75.3	−0.8	94	45	4.17	+0.84	7.01	1.25		8	12	12	7
1914	76.3	+0.7	104	50	3.77	+0.23	5.76	1.77		7	12	12	7
1915	76.9	+1.6	103	45	2.71	−1.10	5.30	0.90		6	11	12	8
1916	74.6	−1.1	100	46	3.81	−0.01	6.40	1.30		8	12	12	7
1917	76.2	+0.6	103	45	4.13	+0.06	8.00	1.00		10	12	12	7
1918	73.7	−1.9	98	45	7.71	+6.05	14.00	2.00		12	12	12	7
1919	76.6	+0.9	103	46	3.71	+0.05	6.00	1.00		8	12	12	7
1920	78.0	+2.4	105	44	2.81	−0.85	6.61	0.77		6	12	12	7
1921	76.0	+0.4	106	49	5.66	+2.23	10.00	2.00		10	12	12	7
1922	71.3	−4.3	100	42	6.05	+2.62	12.13	2.00		8	12	12	7
1923	77.0	+1.4	101	47	4.25	−0.78	8.72	0.77		8	12	12	7
1924	72.9	−1.7	100	42	5.24	+0.21	10.00	2.00		8	12	12	7
1925	86.2	+4.6	111	50	5.18	+0.85	7.71	1.24		6	12	12	7
1926	76.0	−0.6	102	47	3.45	−0.92	6.66	1.00		6	12	12	7
1927	73.4	−2.2	98	37	5.40	+0.99	10.00	2.00		8	12	12	7
1928	76.0	+0.4	104	48	5.28	+1.57	9.00	2.00		8	12	12	7
1929	75.2	−0.4	101	44	2.45	−1.26	6.05	0.65		6	12	12	7
1930	75.4	−0.2	99	43	6.64	+2.93	12.00	2.00		8	12	12	7
1931	76.5	+0.9	103	43	5.64	+1.93	9.00	2.00		8	12	12	7
1932	76.5	+0.9	105	44	3.46	−0.25	6.00	1.00		6	12	12	7
1933	77.3	+1.7	104	51	4.71	+1.00	12.00	2.00		8	12	12	7
1934	72.1	−4.5	97	45	3.71	+0.00	7.00	1.00		8	12	12	7
1935	77.0	+0.4	101	54	4.25	+0.54	9.54	0.84		8	12	12	7
1936	74.0	−1.6	100	47	3.25	−0.46	6.00	1.00		8	12	12	7
1937	75.5	+0.9	103	42	5.80	+2.09	9.00	2.00		8	12	12	7
1938	75.2	−0.7	102	45	3.66	−0.05	7.00	1.00		6	12	12	7
1939	76.7	+0.9	103	44	4.25	+0.54	9.54	0.84		8	12	12	7
1940	76.1	+1.0	104	48	4.76	+1.05	9.00	2.00		8	12	12	7
1941	77.1	+1.4	105	53	3.20	−0.39	6.00	1.00		6	12	12	7
1942	75.4	..	103	37	3.25	..	7.00	1.00		8	12	12	7

Climatological Data for August, 1935.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, inches	With precip. .01 in. or more	Clear	Pt. cloudy	Cloudy		
Western Division.																				
Calhoun	McLean	437	31	78.4	+ 1.2	101	6	50	31	27	3.19	−0.74	1.45	0	9	5	26	0	sw.	W. A. Taylor.
Earlington	Hopkins	420	45	79.6	+ 2.4	101	7†	47	31	34	3.02	+0.31	1.26	0	8	22	6	3	sw.	Brick Southworth.
Earlington	Hopkins	420	45								1.98		0.72	0	5					Lockmaster.
Fords Ferry, Dam 50	Crittenden	350	6								2.92	−0.68	1.05	0	9	18	13	0	s.	C. R. Lovell.
Greenville	Muhlenburg	519	18	77.4	+ 1.3	100	11	44	31	35	2.96	−0.68	1.21	0	9	18	13	0	s.	C. R. Lovell.
Henderson	Henderson	382	21	80.2		102	6†	50	31	34	1.85	−1.86	1.21	0	2	15	11	5	w.	Richard Stites
Hopkinsville	Christian	524	39	79.8	+ 1.9	102	11	48	31	34	1.07	−1.44	1.04	0	5	12	9	10	nw.	W. E. Graves.
Hopkinsville	Christian		6	78.9		105	6	52	29	39	1.97		0.85	0	4	27	3	1	s.	Blaine Malone.
Lovelaceville	Ballard																			B. C. Paris.
Marion	Crittenden	571	36																	Mrs. C. R. Sowell.
Mayfield	Graves	364	26	79.8	+ 2.8	102	11	51	31	31	2.88	−0.96	1.41	0	4	19	10	2	s.	Harry B. Arnold
Murray	Calloway	412	9	77.7		102	1†	49	31	40	2.23		1.42	0	3	19	8	4	n.	Henry S. Berry.
Owensboro	Daviess	479	38	76.2	+ 0.8	97	6†	44	31	27	3.27	−0.05	1.63	0	6	22	6	3	s.	Lockmaster.
Owensboro	Daviess	404	7								3.49		1.36	0	8					C. J. Rhodes.
Owensboro, Dam 46	Daviess	376	18								2.60	−1.10	1.20	0	6	18	7	6		J. W. Lilley
Padueah	McCracken	316	46								1.89	−3.43	0.60	0	4					Dr. W. L. Cash.
Paducah, near§	McCracken	341	46								4.11	+0.48	1.38	0	9	10	18	3	n.	
Princeton	Caldwell	529	23	79.0	+ 1.7	101	11	49	31	33	2.92	−1.08	1.10	0	9					Lockmaster.
Rumsey, Lock 2	McLean	384	18								0.91	−2.27	0.35	0	7	19	9	3	s.	Wm. Shelton.
Russellville	Logan	586	24	78.1	+ 1.1	102	7	46	31	30	1.31		0.48	0	5					Lockmaster.
Uniontown, Dam 49	Union	357	7																	
Central Division.																				
Addison, Dam 45	Breckinridge	352	7								4.54		2.17	0	8					Lockmaster.
Bardstown	Nelson	700	34	74.2	− 0.3	94	12	46	31	31	3.61	−0.08	1.33	0	9	17	12	2	sw.	C. Barrett.
Beechgrove	Jefferson	655	38	76.7	0.0	100	12	45	31	34	5.15	+1.65	1.55	0	7					Mrs. Emily T. Sisco.
Bardstown	Nelson	637	38	76.7	0.0	100	12	45	31	34	5.15	+1.65	1.55	0	7					
Bowling Green	Warren	500	46	79.4	+ 1.2	102	7†	51	31	28	2.98	−0.77	1.18	0	10	14	15	2	s.	Mrs. Lillie G. Causey.
Bowling Green	Warren	469	10																	Lockmaster.
Bowling Green, No. 2	Warren	410	18								1.96	−2.57	0.43	0	6					Lockmaster.
Brownsville, Lock 6‡	Edmonson	705	44								3.64	−0.56	1.08	0	7					T. A. Lewis
Burnside	Pulaski	480	36								6.72	−3.11	3.20	0	5					Lockmaster.
Carrollton, Lock 1	Carroll	489	9								6.02	+2.64	2.34	0	8					Lockmaster.
Cold Spring, Dam 36	Campbell	800	34	75.6		95	6†	45	31	32	4.68	+0.99	1.99	0	10	16	8	7	sw.	Ralph C. Wyatt.
Danville	Boyle	770	7	77.7	+ 1.1	98	6†	47	31	31	4.98	+1.32	0.96	0	11	14	12	5	se.	C. W. Williams.
Dix Dam, Burgin	Mercer	1177	41	74.8	+ 0.9	94	7†	43	31	29	1.53	−2.68	1.25	0	3	15	6	10	s.	Mrs. Katie Payne.
Eubank	Pulaski	560	43	77.0	+ 1.8	95	12	48	31	29	5.54	+0.57	2.78	0	13	18	8	5	sw.	Lockmaster.
Frankfort	Franklin	691	40	80.6	+ 3.5	104	11	49	31	34	5.39	+1.58	2.87	0	8	16	14	1	s.	Marcus Gatewood.
Franklin	Simpson	691	40								7.83	+4.04	2.16	0	11					Lockmaster.
Gest, Lock 3	Henry	420	24																	P. L. Beatty.
Glasgow	Barren	780	9	75.2		98‡	7	46‡	31	26‡										Lockmaster.
Grant, Dam 38	Boone	750	10								2.99	−0.30	0.91	0	10					Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	42	75.2	0.0	98	6	42	31	31	2.31	−2.07	0.82	0	8	6	2	23	n.	
High Bridge, Lock 7	Jessamine	544	33								4.78	+1.11	1.44	0	11					Lockmaster.
Irvington	Breckinridge	646	37	76.6	+ 0.7	94	1	49	31	26	3.35	−0.06	1.65	0	8	21	3	7	sw.	W. J. Piggott.
Lancaster	Garrard	695	39	77.4	+ 1.8	97	1	47	31	29	6.39	−2.59	1.95	0	10					Walter Killion.
Leitchfield	Grayson	989	51	76.0	+ 1.5	97	6†	47	31	31	2.52	−0.70	0.85	0	10	12	18	3	sw.	H. H. Willis.
Lexington	Fayette										5.66	+1.62	1.77	0	10	16	10	5	sw.	U. S. Weather Bureau.
Little Eckman, Lock 8	Jessamine	560	24								4.28	+0.14	1.00	0	10					Lockmaster.
Lockport, Lock 2	Henry	485	25								6.59	+2.56	2.32	0	9					Lockmaster.
Louisville	Jefferson	525	62	77.2	+ 0.2	94	1	52	31	28	3.68	+0.26	1.23	0	8	14	9	8	n.	U. S. Weather Bureau.
				77.8		97c	8	50b	29	32c	2.26		0.52	0	12	19	3	7	w.	Ivan J. Ellsworth.
Mammoth Cave	Edmonson										5.55	+1.32	1.75	0	9	25	2	4		Sister of Loretto.
St. Joseph	Hardin	777	39	76.2	− 1.4	97	1†	44	31	53	4.94	+1.25	2.00	0	8					Lockmaster.
Salvisa, Lock 6	Mercer	520	21								4.63	+1.21	1.46	0	9	16	6	15	s.	Miss RuthRatta.
Shelbyville	Shelby	825	46	76.6	+ 1.4	99	12	49	31	32	8.19	+4.70	3.43	0	10	20	10	1		elizabeth J. Bourne.
Taylorsville	Spencer	489	53	74.8	+ 0.6	94	12	47	31	28	6.13	+2.17	1.52	0	10					Lockmaster.
Tyrone, Lock 5	Anderson	524	17								3.31	−0.54	0.92	0	9	21	1	9	w.	Miss Nellie B. Simpson.
Williamstown	Grant	943	32	78.0	+ 3.7	98	6†	50	29	38	4.96	+1.01	1.85	0	11					Lockmaster.
Woodbury, Lock 14	Butler	504	18																	
Eastern Division.																				
Annville	Jackson		4								2.73		0.87	0	12	15	9	7	ne.	W. A. Worthington.
Ashland	Boyd	551	16	76.8	+ 2.0	95	1†	50	31	35	4.02	+0.63	0.84	0	11	15	8	8	sw.	Lockmaster.
Ashland	Madison	1070	30	75.8	+ 1.3	98	7	46	31	30	2.80	−1.46	0.88	0	9	14	9	8	e.	Luther M. Ambrose.
Berea	Madison	711	25								4.70	+0.53	1.08	0	12					Lockmaster.
College Hill, Lock 11	Madison	684	17								6.90	+2.96	2.75	0	10					P. B. Kehoe.
Cynthiana	Harrison	686	46								6.25	+2.51	1.35	0	13					J. V. Oldham.
Falmouth	Pendleton	699	46								6.82	+1.78	1.65	0	10	9	11	11	e.	Mrs. R F. Stamper.
Farmers	Rowan	668	27	74.3	+ 1.0	99a	8	45a	31	33	7.18	+2.23	1.91	0	9					C. A. Glascock
Flemingsburg	Fleming	841	10								5.57	+1.29	1.10	0	12					Lockmaster.
Ford, Lock 10	Clark	637	19								4.67	+1.19	1.90	0	10					Lockmaster.
Greenup, Dam 30	Greenup	540	15								1.54		1.80	0	8	17	7	7	s.	W. W. Duffield.
Harlan	Harlan	1197	7	75.4		92c	7	55c	30	32c	3.88	0.33	0.84	0	8					Chas. O. Brig.
Hazard	Perry	867	11								5.38	+1.20	2.19	0	10	7	11	13	sw.	Lockmaster.
Heidelberg, Lock 14	Lee	663	18	76.2		98	12	48	31	30	4.22		1.65	0	6					Jas T. Goff.
Jackson	Breathitt										3.32	0.52	1.02	0	9					R. R. Davidson.
Jackson	Letcher	1566	11								4.77	+0.65	1.35	0	12					Lockmaster.
Louisa	Lawrence	554	31								4.51	−0.15	1.80	0	8					Jeanett H. White.
Manchester	Clay		15								6.65	+2.92	1.58	0	13	12	5	11		Lockmaster.
Maysville	Mason	598	38	77.6	+ 1.8	99	11	49	29	39	2.32	1.96	0.92	0	7	24		3	s.	Matthew Woodson
Middlesboro	Bell	1128	39	75.0	+ 0.8	100a	7	46a	31	35a	5.22	+1.16	2.00	0	8	18	5	8	w.	W. R. McKee.
Mount Sterling	Montgomery	930	45	75.4	+ 1.4	98	1†	45	31	30	3.71	0.73	0.88	0	8					Lockmaster.
Oneonta, Dam 36¶	Campbell	867	8								4.52		1.12	0	9					Manuel Robinson.
Owingsville	Johnson	807	1								2.64	−1.80	0.62	0	8					Robert Repass
Pikeville	Pike	636	29								3.93		1.45	0	11	13	4	14		August D. Angel.
Pine Mountain	Harlan																			Caney Run Com. Cen.
Pippapass	Knott	1035	1								5.61	+1.13	2.18	0	7					R. W. Jones.
Quicksand	Breathitt	732	9	75.6	+ 1.0	98b	11	48b	31	45b	4.71	+0.07	1.60	0	11					Lockmaster.
Ravenna, Lock 12	Estill	651	17								4.73	+1.07	1.40	0	11	18	3	10		J. W. Crooke.
Richmond	Madison	966	41	75.8	+ 0.3	95	7	50	31	25	3.58	−0.64	0.88	0	10					Lockmaster.
Salt Lick, Lock 9	Madison	871	22								7.59	+3.22	2.61	0	10					Lockmaster.
Sandy Hook, Dam 32	Lewis	525	26																	G. B. Zimmerman.
Williamsburg	Whitley	1142	16								2.60	−1.84	1.20	0	7	17	10	4		H. E. Davis.
Williamsburg	Whitley	999	38	78.8	+ 2.7	93	12	48	31	32	6.74	+3.03	2.85	0	9					Lockmaster.
Wilson, Lock 14	Lee	646	13								4.22	+0.49	3.43	0	9	16	9	6	sw.	
State averages and extremes				77.0	+ 1.4	105	6	42	31	45										

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are included in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
+ Also on other dates. ‡ Received too late to be included in means and summaries. † Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.
¶ Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky.

Daily Precipitation for August, 1935.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Calhoun				.12	.05			.21		T		T.	1.42	.32	.51		.21															
Harrington																																
Fords Ferry Dam 50		T.			T	T		.08					.54	1.26	.75	.26		T	.32									T			
Greenville											T.		.13	.36	.72	T		T													
Henderson		T.		.25	.15									.65	1.05	.50		.56	.15												
Hopkinsville														1.21	.15																
Lovelaceville							T					T	.17	1.04	.10			.36													
Marion													.55		.62		.15														
Mayfield																																
Murray												1.85	1.41	.61	F		T														
Owensboro		T.																														
Owensboro, Dam 46	.40			T				.50				1.42	.61	T		.2	T											T			
Paducah	.29			.01				.91					.46	1.40	.16			T													
Paducah (near)		T.											.51	.43	.64																
Princeton					.14							.84	1.36	.69				.07										T			
Ramsey, Lock No. 2				1.38		T			T			.40	.60																		
Russellville			.17		.06	.22						.45	.78	.20	.01	T	.03	T						1.04							
Uniontown, Dam 49					.01								.46	1.10			.20														
				.06				.07					.35	.22	.10	.10		.05										.12				
Central Division													.08	.19	.18		.02														
Addison, Dam 45	T.																											.37	.64			
Anchorage				.54				.08					.01	.34	.40	2.17	T			T											
Bardstown			.77		T	.14							.21	.74	.17			.18	.02									T	.78	.10		
Bowling Green				.25				1.12						.13	.43	.04			10 1									.01	.28			
Bowling Green, No. 2				.20				.03					.07	.62	.05	0.1	1.18	.20	.05	.50				1 35				.15				
Brownsville, Lock No. 6																																
Burnside				.40				.20			.34			.44						.02												
Carrollton (Lock No. 1)	T.							.22					.43	1.18	.80	.57	.23		.22	T	T.		.07					T				
Cold Spring, Dam 36				.58										.36	3.26																
Danville				.83				.5					T	.47	2.31	.33	.12											1.22	.55			
Dix Dam, Burgin				.05		.5	.04					.53	.25	.13	.50		1.99	T									T	.22	.2			
Eminence						.96			.30			.66	.50	.57	.41	.64	.42	.03	T									.93	.12			
Frankfort	T.										19 1	.25																				
Franklin				.07				.75	.06		.28		.46	.11	.21	.86	.28	1.17			.69											
Gest, Lock No. 3		.04										.23	.01	.02	2.85		1.95	.02				1.43					2.75	.04			
Glasgow				.15				1.07					T	1.11	.75	.26	6	1.24		.66								.62				
Grant, Dam 38																												2.16	.38			
				.27																												
Greensburg												.31	T.	.65	.91	.04	.76	.09	T.												
Ross Bridge, Lock No. 7	.33			T				.3			.54		.14	.25	.17	.21	.82	.10			T.							.03	.61		.02	
Lexington				.21				.61					1.44	.15	.15	.27	.27	.13										.01				
Lancaster								.64					.21	.15			.81	.16										1.07	.2			
Lottsford								1.30			.03		.98	1.50	.14	.78	.25	1.20										.06	1.65	T		
Lexington				.27		T	.05			.02			.25	.88	.15			.11										.17	.03			
Little Hickman, Lock No. 8	T.					.87				.36		.08	.66	.01	.2	.05	1.77	T		.01								.26	T			
Lockport, Lock No. 2				.10				.3			1.05		.10	.58	.5	.25	.50	.10										1.13				
Louisville								.65			.25		T	.2	.79	.1	1.79	.40										.5	.60			
Mammoth Cave		.44				.15	T					.20	.06	.64		.64	T											2.32	T			
St. John				.08				.24			.04	.5	.20	.08	.01	.08	.05	.50	.17		.08							1.02	.21			
Salvisa, Lock No 6	T.			.40				.14			.18	.10	.26	.06			T	1.75	.08													
Smithville				.38				.33					.18	.55	T	.52	.52	.32	T									1.50				
Taylorsville	T.			.15			.03					.05	1.05	.15		.02	.48											2.10	.35			
Tyrone, Lock No. 5	.14				.08							.33	.09	.14	.84	.10	2.41			T								1.40	.11			
Williamstown								.57					.15	T	.24	1.28	1.41	.50			.54							.58	.33			
Woodburn, Lock No. 4								.92					.07		.21	.50	.15	.01										1.52	.29			
Eastern Division				.17				.04				12 1	.74	.02	.05	.81		1.80	.03		.66							.75	.80			
Annville								.72			.06		.01	.20	.01	.05	.87	.04	.70		.85	.05						.01				
Ashland	.05			.24				.28			.87			16	T	.80	.08	.44	.09													
Berea				T				.60			.05		.68	.20	.03	.70	.05	.30	.03									.80	.30			
College Hill, Lock No. 11	.12							1.08			.38			.19	.20	.80	.70	.18	.32	.03								.10				
Cynthiana		T.						.70						.22	.20	.25	.03	T	1.10	.48	.02							.50	.2			
Eastmouth				.60				1.35			.18			.48	.50	.70	.05	.63	.26	.02		.15						2.75	1.55			
Farmers								.85						.11	.14	.50	.15	.08	.16									1.40	.11			
Flemingsburg								.04							.41	.14	.76	.81	.24									.71	.04			
Ford, Lock No. 10	T.			.35		T.	1.10				.34			.18	.38	.71	.25	.02	.26	.08								1.65	.40			
Greenup, Dam 30				.11			.70				.74				.02	1.6	.13	.07	.07									1.91	.2			
Harlan	.27	.93					.18				.44				.22	.1	.15	.85	.07									.64	.47	T		
Harrod	.36						.70				.84				.22		1.81	.19	.14									.82	.16			
Heidelberg, Lock No. 14	.08					.74					.81		.32			.45	.56	.47		.13												
Jackson	.06						2.10				.19			.31	.02	.41	1.10	.12	.70													
Jenkins							1.05							22		1.05	.55		.30									.24	T.			
Lorain	.64	.11					1.05				.55	.35				.25	.05		.10													
Manchester	.16			.53			.24				.57			.2	.15	.93	.93	.22	.05		.17											
Maysville	.09						1.08				1.80			1.08		.21	.65	.52										1.35	.20			
Middlesboro	.01			.04			.73	.01			.47		.06	.12	.25	.18	1.8	1.34	.07									1.28	.72	T		
Mount Sterling		.2					.11				.92				.13	.10	.20	.04														
Oneonta Dam 35							.45				T		T.	T	.69	.90	.47	.03	.12		.05							2.00				
Paintsville				.41			.58				.29			T.	.15	.74	.23		T													
Pikeville	.32						1.06				.61				.11	1.12	.94	.14	.12									.85	.14	T		
Pine Mountain	.64			.36			.52				.62			.61		.08	.16	.06										.76	.09			
Pippapass								.25	.61			.37			.37	.63	.09	1.45	.03	T	.02								.28			
Quicksand	.94						.95		.25					T		2.18	.92															
Raveness, Lock No. 12	.07						1.08							.32	.25	1.41	.60	.18	.48									.50	.07			
Richmond							1.40				.55			.12	.15	.11	.54	.25	.07	.17								.25	.09			
Valley View, Lock No. 9		.08					.13				.65			.12	.49	.22	.76	.16	.28	T.								.70	.27			
Vanceburg, Dam No. 32								.10			.64			T	.18	.81	.88 2	.61	.08		.74	T						.88	.14			
Whitesburg																												1.12	.43			
Williamsburg																																
Willow, Lock No. 13							.25				.05			.26	.35	.18	.17	.10														
							2.85				.15			.20	.15	.76	1.65	1.15	.43									.65				

Except as otherwise indicated observations are generally made late in the afternoon, local sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, ending at 8 a.m. (C.S.T.)

(‖) Precipitation measured in the preceding 24-hour period then recorded is for two preceding 24 hours. * Precipitation included in the next following measurement.

? Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

*Lone Oak §10.10.

Daily Temperatures for August, 1935.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	97	95	97	91	92	101	98	87	92	93	98	97	90	85	85	89	91	87	87	81	83	84	83	85	90	87	98	77	69	76	74	88.4
	Minimum	73	76	76	74	70	74	76	76	76	76	68	76	70	70	71	76	71	69	71	69	71	74	64	63	60	62	64	72	57	54	58	60	68.5
Fairlington	Maximum	100	97	98	94	98	100	101	94	96	96	101	100	92	86	90	91	91	91	89	84	85	89	87	85	86	91	100	88	83	72	76	91.0
	Minimum	74	73	75	74	73	75	76	76	76	69	67	74	75	70	70	70	70	70	69	69	72	69	69	68	64	64	72	72	68	61	66	47	66.3
Greenville	Maximum	97	94	94	92	96	98	98	93	94	100	97	98	90	90	90	92	94	89	91	88	89	92	88	88	91	90	98	86	84	74	76	89.5
	Minimum	71	73	72	70	70	70	73	69	65	65	65	70	66	65	69	66	67	67	66	65	69	68	68	66	61	66	70	68	62	58	62	44	65.0
Henderson	Maximum	100	97	94	99	98	102	103	100	101	101	102	103	94	84	91	95	99	91	93	91	93	96	89	83	84	96	88	92	84	82	85	79	93.1
	Minimum	73	76	74	74	73	72	73	69	65	65	65	70	66	65	69	66	67	67	66	65	69	68	68	66	61	66	70	68	62	58	62	44	65.3
Hopkinsville	Maximum	102	97	95	94	98	103	104	96	100	99	102	103	95	87	93	94	93	89	90	91	93	96	89	86	86	96	88	92	84	82	86	80	93.3
	Minimum	68	67	68	64	68	71	71	71	69	68	70	69	68	70	72	69	68	67	66	65	69	68	68	66	61	66	68	70	65	62	66	48	67.2
Madisonville	Maximum	71	74	74	73	72	71	72	71	70	69	68	70	69	68	70	69	68	67	66	65	69	68	67	66	59	57	66	68	68	70	67	52	67.3
	Minimum	71	74	74	73	72	71	72	71	70	69	68	70	69	68	70	69	68	67	66	65	69	68	68	66	61	66	68	70	65	62	66	48	67.2
Loveladeville	Maximum	104	92	98	96	100	105	102	93	97	91	103	100	93	86	90	94	95	91	93	91	93	98	89	86	86	98	90	92	86	84	86	80	93.5
	Minimum	72	70	71	75	71	71	72	69	65	68	64	67	68	64	69	66	68	68	68	68	68	68	68	65	61	66	65	69	71	54	52	56	66.6
Marion	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mayfield	Maximum	97	94	95	96	99	99	100	92	96	96	102	100	88	81	91	92	95	93	88	91	89	91	85	82	85	92	94	90	89	72	77	78	90.8
	Minimum	75	75	76	73	73	74	74	71	69	72	71	73	72	70	71	72	71	69	69	70	74	73	67	59	57	56	61	68	72	58	55	57	68.8
Murray	Maximum	102	99	98	96	100	102	102	95	98	97	102	101	93	89	93	94	95	94	92	94	93	97	90	87	89	93	96	90	82	71	78	79	93.5
	Minimum	70	70	70	67	68	65	67	68	69	68	68	70	68	65	69	66	68	66	64	63	65	69	59	57	56	61	68	65	54	45	53	49	61.9
Owensboro	Maximum	98	98	96	95	97	97	97	94	91	92	92	95	91	87	93	94	94	92	92	94	93	96	89	86	86	96	90	92	87	84	86	82	93.1
	Minimum	74	72	72	71	69	71	72	67	70	68	65	70	67	68	67	70	68	65	67	67	70	69	62	61	62	67	69	68	64	62	64	56	67.4
Princeton	Maximum	99	97	98	95	95	100	99	91	95	93	101	98	90	86	90	89	93	91	89	89	89	93	87	84	85	92	93	89	86	76	77	78	91.0
	Minimum	75	75	76	73	72	73	78	74	70	70	69	74	69	71	71	72	70	70	69	70	73	72	69	68	66	66	69	72	69	63	58	59	68.2
Russellville§§	Maximum	97	96	98	97	95	97	102	97	99	94	94	95	93	87	92	93	94	92	93	93	93	97	90	87	89	93	96	92	89	80	76	71	93.2
	Minimum	75	75	74	73	71	72	72	72	69	68	68	69	70	68	68	72	71	70	67	73	67	69	65	60	57	64	68	67	59	54	57	46	67.0
Central Division.																																	
Anchorage	Maximum	94	92	90	85	86	91	94	86	87	88	90	94	84	84	92	89	85	79	85	86	86	89	80	86	81	86	81	81	71	69	76	69	83.7
	Minimum	69	70	70	69	64	64	69	68	68	68	65	69	68	69	70	70	69	69	65	65	61	61	58	56	66	66	64	48	50	46	44	46	64.7
Bardstown	Maximum	96	98	96	93	94	97	98	89	94	95	98	99	93	91	90	92	95	93	90	91	93	96	88	85	84	87	93	92	84	80	81	83	78	68	62	70	88.2
	Minimum	72	69	70	72	72	68	71	67	68	67	67	70	67	69	68	71	71	67	68	67	66	69	65	57	57	65	67	66	61	55	50	49	45	45	65.2
Bowling Green	Maximum	98	97	98	95	96	100	102	95	97	97	102	100	94	82	86	88	93	89	88	90	90	94	86	83	86	93	96	93	89	74	76	78	58	56	51	69.2
	Minimum	76	76	76	74	76	76	74	74	72	72	71	71	72	72	70	71	72	71	72	74	72	69	68	72	70	70	70	69	65	64	64	67	57	51	49	67.5
Danville	Maximum	94	93	92	91	91	95	95	93	94	94	95	95	91	86	85	84	87	86	85	87	87	92	87	79	80	87	89	88	83	77	72	73	88	83	77	85.8
	Minimum	69	74	74	70	64	69	70	68	68	68	67	68	67	68	67	72	69	69	66	65	62	66	66	63	59	59	64	65	62	49	54	55	55	53	45	61.3
Dix Dam	Maximum	96	96	96	92	94	98	98	95	92	95	93	96	93	90	87	85	86	79	80	83	89	92	87	80	82	89	89	89	82	80	76	75	75	75	73	87.9
	Minimum	70	76	76	75	67	80	75	69	68	68	67	70	74	73	71	72	72	71	68	66	69	70	62	58	58	67	68	68	67	58	57	58	57	57	47	67.4
Eubank	Maximum	93	91	91	89	91	93	94	91	90	89	94	93	88	87	85	86	87	85	86	91	89	90	86	85	85	87	88	90	86	83	81	81	79	73	69	70	86.5
	Minimum	66	73	71	69	65	66	70	66	67	65	66	65	65	67	65	68	68	64	62	63	64	68	66	62	61	62	64	66	63	61	56	58	56	53	43	63.1
Frankfort	Maximum	97	95	95	94	93	96	95	90	91	92	94	95	91	88	90	91	93	91	88	90	91	94	87	84	84	89	89	91	87	84	82	82	80	73	70	72	87.7
	Minimum	69	74	74	72	66	67	72	69	70	69	66	70	72	70	71	72	72	71	66	69	69	71	68	61	58	66	68	68	66	58	58	58	56	51	46	66.4
Franklin	Maximum	100	98	97	96	100	101	103	94	95	96	101	102	91	87	89	92	92	90	88	89	92	93	88	85	86	92	93	92	88	86	78	80	82	76	74	76	89.3
	Minimum	76	78	76	75	72	78	77	72	70	73	70	70	70	72	72	70	69	69	67	68	70	71	68	67	66	67	68	68	67	66	62	62	62	58	56	69.2
Glasgow	Maximum	92	88	86	88	87	92	89	93	94	86	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	72	73	73	74	74	76	78	69	68	64	65	68	67	68	68	68	68	67	65	66	67	67	65	63	63	65	65	63	58	58	58	58	58	58	58	68.8
Greensburg	Maximum	96	95	88	88	91	94	92	92	92	94	94	90	90	91	93	90	88	88	90	91	93	94	88	85	86	92	93	92	88	87	84	84	82	80	80	80	89.3
	Minimum	67	72	70	70	67	68	69	65	65	65	65	68	68	68	68	68	68	67	65	66	67	67	65	63	63	66	67	66	63	62	62	62	62	62	62	66.1
Irvington	Maximum	94	95	92	90	91	94	93	88	90	90	91	93	90	82	83	85	88	82	84	87	87	87	81	80	82	86	87	87	84	81	78	78	78	74	70	72	85.5
	Minimum	74	77	77	72	68	72	74	69	71	71	67	74	74	71	70	71	70	71	68	71	68	71	65	64	64	64	71	68	64	63	62	62	62	62	62	67.6
Leitchfield	Maximum	96	95	94	90	93	96	95	88	93	94	96	97	93	86	87	89	91	87	86	89	90	93	85	82	85	89	90	88	85	84	82	82	82	78	72	75	87.8
	Minimum	74	76	74	71	70	72	73	69	70	70	67	72	70	68	70	71	70	70	67	71	66	68	65	64	64	66	67	66	64	63	62	62	62	62	62	67.1
Lexington	Maximum	94	93	92	93	96	97	98	93	93	93	97	97	93	87	92	93	93	91	89	91	92	93	88	85	86	91	93	92	88	87	84	84	84	82	80	82	90.0
	Minimum	69	73	75	71	69	67	71	68	68	70	66	72	71	70	70	71	71	70	69	66	68	68	65	63	63	66	68	68	65	63	62	62	62	62	62	66.1
Louisville	Maximum	94	94	93	91	93	93	94	89	92	93	92	94	87	84	84	89	86	86	86	88	89	92	87	84	85	89	90	90	87	85	83	83	83	81	79	81	88.5
	Minimum	75	80	78	74	72	74	74	71	70	71	74	74	72	72	72	72	72	71	72	72	72	71	70	69	65	72	72	71	70	69	68	68	68	68	68	71.8
Mammoth Cave	Maximum	95	93	92	90	92	95	95	91	93	94	95	96	91	87	89	91	91	90	89	90	91	93	88	86	87	91	92	91	88	86	84	84	84	82	80	82	89.3
	Minimum	66	69	67	66	66	67	67	66	66	67	67	68	68	68	68	68	68	67	66	66	67	67	66	64	64	65	66	66	64	63	62	62	62	62	62	65.9
Mannsville	Maximum	96	96	94	92	94	96	96	92	94	94	96	96	92	88	90	92	92	91	90	91	92	94	89	87	88	92	93	92	89	87	85	85	85	83	81	83	90.6
	Minimum	72	75	74	70	67	67	72	68	68	68	67	72	72	70	70	72	72	71	69	68	69	70	66	64	64	66	68	68	66	64	63	63	63	63	63	68.0
St. Joan	Maximum	99	96	94	90	94	98	96	89	91	89	96	96	91	89	87	85	91	89	88	89	90	93	87	85	87	91	92	91	88	86	84	84	84	82	80	82	90.1
	Minimum	69	72	73	70	65	67	72	66	66	65	63	68	68	67	68	70	69	68	67	66	67	68	65	63	63	66	68	68	66	64	63	63	63	63	63	66.9
Shelbyville	Maximum	99	96	94	90	94	98	96	89	91	89	96	96	91	89	87	85	91	89	88	89	90	93	87	85	87	91	92	91	88	86	84	84	84	82	80	82	90.1
	Minimum	69	72	73	70	65	67	72	66	66	65	63	68	68	67	68	70	69	68	67	66	67	68	65	63	63	66	68	68	66	64	63	63	63	63	63	66.9
Taylorsville	Maximum	99	96	94	90	94	98	96	89	91	89	96	96	91	89	87	85	91	89	88	89	90	93	87	85	87	91	92	91	88	86	84	84	84	82	80	82	90.1
	Minimum	69	74	74	73	68	67	74	67	68	67	67	70	70	70	71	71	71	70	70	70	71	70	67	65	65	67	68	67	67	65	64	64	64	64	64	68.0
Williamstown	Maximum	97	97	96	94	97	98	98	97	96	94	95	98	93	91	88	93	95	91	88	90	92	94	88	86	86	92	94	93	90	88	86	86	86	84	82	84	91.8
	Minimum	71	77	75	70	68	69	77	71	69	71	69	70	71	70	68	70	70	70	68	68	68	68	66	64	64	66	68	68	66	64	62	62	62	62	62	67.1
Eastern Division.																																	
Ashland	Maximum	95	95	94	91	93	95	95	86	90	93	87	95	92	88	90	85	81	81	86	89	90	87	79	81	86	89	88	79	77	73	73	76	76	85.5
	Minimum	73	77	75	68	68	69	70	71	70	70	61	69	74	69	71	72	72	72	72	68	71	72	68	67	65	72	72	70	68	67	66	66	66	66	66	67.0
Paris	Maximum	94	95	94	87	93	96	98	93	92	92	92	97	96	87	88	89	91	88	87	89	91	93	87	84	86	91	92	91	88	86	84	84	84	82	80	82	90.1
	Minimum	71	76	74	71	65	66	71	69	69	69	67	71	72	69	70	71	71	70	69	68	69	70	67	65	65	69	70	68	66	65	64	64	64	64	64	68.0
Farmers	Maximum	96	96	94	90	93	96	96	92	93	94	96	97	94	88	90	92	92	90	89	90	92	94	88	86	87	92	93	92	89	87	85	85	85	83	81	83	91.4
	Minimum	69	71	71	69	65	65	69	67	67	67	66	69	70	69	69	69	69	68	67	66	67	68	65	63	63	66	67	66	64	63	62	62	62	62	62	66.1
Hazel §	Maximum	90	99	87	87	88	89	92	88	86	86	90	91	90	88	86	86	88	86	86	88	88	90	84	82	84	88	89	88	86	84	82	82	82	80	78	82	86.5
	Minimum	68	71	68	72	71	67	70	69	68	68	67	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68.0
Hyden	Maximum	94	96	94	91	94	97	94	91	93	92	92	94	92	88	90	92	92	90	89	90	92	94	88	86	87	92	93	92	89	87	85	85	85	83	81	83	91.4
	Minimum	70	72	71	72	66	66	67	66	66	66	64	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66.0
Maysville	Maximum	94	96	94	90	94	98	96	89	91	89	96	96	91	89	87	85	91	89	88	89	90	93	87	85	87	91	92	91	88	86	84	84	84	82	80	82	90.1
	Minimum	71	78	76	71	66	66	67	67	68	68	64	70	70	70	70	71	69	70	69	68	69	70	64	64	64	66	67	66	64	63	62	62	62	62	62	66.9
Mount Sterling	Maximum	93	91	92	87	90	94	94	90	90	90	94	94	90	86	86	88	89	86	86	87	89	91	86	84	85	89	90	89	86	84	82	82	82	80	78	80	88.0
	Minimum	67	75	67	68	66	62	67	66	66	66	64	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66.0
Mount Sterling	Maximum	98	96	96	94	94	96	96	92	94	94	96	96	92	88	90	92	92	91	90	91	92	94	88	86	87	92	93	92	89	87	85	85	85	83	81	83	91.4
	Minimum	69	73	75	70	64	66	69	67	68	68	63	69	72	70	70	71	71	70	68	68	68	68	66	64	64	66	68	68	66	64	62	62	62	62	62	66.9
Pittsburg	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Quicksand	Maximum	96	93	92	95	95	96	97	88	93	92	97	96	91	88	90	91	92	90	88	90	91	93	87	85	86	91	92	91	88	86	84	84	84	82	80	82	90.1
	Minimum	68	70	69	71	68	66	68	66	66	66	64	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66.0
Richmond	Maximum	97	96	94	91	94	98	96	89	91	89	96	96	91	89	87	85	91	89	88	89	90	93	87	85	87	91	92	91	88	86	84	84	84	82	80	82	90.1
	Minimum	71	77	74	72	68	68	75	68	68	70	68	73	73	69	69	71	69	70	68	66	69	68	66	66	66	67	69	68	65	64	63	63	63	63	63	68.0
Williamsburg	Maximum	95	95	94	95	94	95	98	94	95	95	96	95	94	92	89	91	94	92	89	91	92	94	89	87	88	92	93	92	89	87	85	85	85	83	81	83	91.4
	Minimum	70	73	72	71	69	86	69	68	68	67	69	70	70	68	68	71	71	70	68	68	68	70	67	69	69	70	67	69	69	61	64	60	49	54	47	68.1

§ Incomplete record July 1, 2 3 etc., days missing from record.

W B O Louisville 9 35.45 11hr

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XL. LOUISVILLE, KY., SEPTEMBER, 1935. NO. 9

GENERAL SUMMARY.

Unseasonably cool weather during the first twelve days seriously delayed the growth of late crops. In the western counties a large proportion of the corn crop had just reached the silking stage. Its progress was halted so long that its later development was impaired. This spell of weather also held back the maturing of early corn and delayed the ripening of tobacco. Tobacco in barns cured so slowly that heating was frequently used to prevent sweating. The weather was generally unfit for making late hay.

The abnormally warm and dry weather, that followed in a period of equal length, decidedly improved crop prospects but could not entirely overcome the effects of the earlier delay. The high temperature, dryness, and sunshine advanced late corn rapidly and caused the larger part of it to mature. Some very green corn that would require two weeks or maturing remained on bottom lands in the western counties. A change to very cool weather in the last week again checked its progress and rendered its ripening doubtful. Decreasing soil moisture also acted to diminish growth.

During the warm period most of the remaining tobacco ripened and was cut. The fine weather soon brought about satisfactory curing which greatly improved the quality of the late crop. Because of cold winds the last four days were much less favorable for tobacco. An unusual amount of excellent late hay, made from beans, peas, alfalfa and lespedeza, was put up on account of this weather. It was the most favorable period for curing the heavy growths that had occurred for several weeks. After the middle of the month late potatoes did not have sufficient moisture in central, western, and southern districts. Plowing for grain and preliminary seeding were hindered by the increasing dryness. Showers in the last week were helpful but generally inadequate.

Hill and upland pastures began to deteriorate late in the month. Heavy frost on the 30th in the northeastern counties came too late to cause much damage. The frost was light in central districts.

TEMPERATURE.

Temperatures 5° to 10° below the seasonal average prevailed in the first two weeks and on the last four days. They ranged from 3° to 12° above normal in the period 13-16th. During the warm spell maxima above 90° were reported from most stations. Minima only a few degrees above freezing were registered in all sections on the 30th. Extremes for the state were 99° on the 21st and 31° on the 30th, both at Murray.

PRECIPITATION.

The rainfall averaged slightly less than normal for the state, but its areal distribution varied remarkably. In a broad belt extending from the south-central counties northeast to the upper Ohio and lower Big Sandy from 4.0 to 5.[illegible] inches occurred. Northwest and southeast from this belt of relatively heavy rain the amounts fell off rapidly to 1.5 inches or less near the Ohio River and the southeast border. The rainfall was far below normal in a wide section from the Purchase to the lower Licking River. Moderate rain fell in the western and north-central counties, and heavy rains in the remainder of the State, from the 2d to 5th. Most of the month's precipitation occurred in this period. Light showers were reported on the 9-10th and [illegible]. [illegible] Days with thunderstorms were: 2, 3, 9.

MISCELLANEOUS.

[illegible] The heavy rains early in the month caused a moderate rise in the Ohio [illegible] on the 4th, with [illegible] of the local flood on the 5th and nearly [illegible] to [illegible] feet. Streams in [illegible] counties were [illegible] and [illegible].

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Mean.	Highest.	Date.	Lowest.	Date.	Wind. Average hourly velocity.	Wind. Maximum 5-minute.	Wind. Prevailing.	Date.	Relative humidity. 7 a. m.	Relative humidity. 7 p. m.	Relative humidity. Average.	Possible sunshine.
Cairo ..... Ill.	30.02	30.18	15	29.83	29	8.2	27	ne.	27	87	85	86	70
Cincinnati ..... Ohio	30.06	30.26	23	29.87	29	6.4	35	w.	21	81	65	73	70
Louisville ..... Ky.	30.06	30.23	24	29.87	29	6.5	30	sw.	9	82	67	75	70
Louisville ..... Ky.	30.06	30.23	24	29.80	29	7.3	30	nw.	9	82	67	75	70

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1895	72.1	-1.2	101	36	1.29	-1.73	12.4	1.47	..	..	..	..	..
1896	67.5	-5.8	95	36	2.71	+0.98	7.26	1.28	..	..	..	..	..
1897	68.3	-4.3	95	32	1.91	-1.09	5.56	0.43	..	..	..	..	..
1898	68.3	-2.8	93	34	3.18	+0.28	9.18	0.43	..	..	..	..	..
1899	69.1	-0.5	99	35	2.93	+0.03	8.20	1.05	..	..	..	..	..
1900	70.4	1.1	98	37	2.71	-0.25	4.80	0.98	..	..	..	..	..
1901	70.4	-2.1	100	37	1.10	-1.86	1.87	T.	0	..	..	..	..
1902	68.8	-1.1	105	30	3.77	+0.81	8.[illegible]	0.37	0	..	..	..	..
1903	67.5	-2.5	105	31	2.[illegible]	-0.[illegible]	7.[illegible]	T.	0	7	..	..	..
1904	70.3	-0.5	97	37	4.36	+1.40	9.[illegible]	1.[illegible]	0	7	..	..	..
1899	68.1	-1.0	105	30	1.66	-1.30	4.[illegible]	0.[illegible]	0	7	..	..	..
1900	70.6	1.8	102	35	2.25	-0.71	5.[illegible]	0.[illegible]	0	11	..	..	..
1901	68.1	-2.6	98	34	3.57	+0.61	6.[illegible]	1.[illegible]	0	11	..	..	..
1902	67.3	-3.9	97	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1903	69.1	-2.9	100	32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1904	71.3	-0.2	94	34	2.58	-0.40	7.[illegible]	0.[illegible]	0	11	..	..	..
1905	70.2	-0.9	97	35	2.61	-0.35	6.[illegible]	0.[illegible]	0	11	..	..	..
1906	71.6	-1.8	101	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1907	67.7	-2.8	96	32	2.51	-0.45	5.[illegible]	0.[illegible]	0	9	..	..	..
1910	70.1	+1.4	99	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1911	68.4	-0.3	96	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1912	70.0	+0.6	100	33	2.80	-0.16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1913	68.0	-1.5	100	34	[illegible]	[illegible]	4.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1914	67.5	-2.1	97	32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1915	71.3	+2.8	97	37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1916	67.4	-2.9	98	32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1917	72.2	+1.2	102	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1918	[illegible]	-2.7	98	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1919	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1920	[illegible]	+5.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1921	[illegible]	+2.8	100	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1922	[illegible]	-0.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1923	[illegible]	-5.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1924	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1925	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1926	[illegible]	+1.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1927	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1928	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1929	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1930	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1931	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1932	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1933	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1934	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1935	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1928	73.5	+5.3	98	48	13.75	1.73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1929	69.2	-1.8	96	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1930	68.3	-2.2	99	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1931	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Climatological Data for September, 1935.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days:				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Eastern Division.																				
Calhoun	McLean	437	31	70.8	−1.6	94	21	41	30	37	1.90	−1.25	0.98	0	5	15	11	4	se.	W. A. Taylor.
Covington	Hopkins	420	45	70.0	−1.6	94	17†	39	20	40	1.31	−1.66	0.36	0	6	23	2	5	sw.	Brice Southworth
Eddyville	Crittenden	356	6	.....	.....	.....	.....	.....	.....	.....	1.11	.....	0.40	0	6	.....	.....	.....	.....	Lockmaster.
Fords Ferry, Dam 50	Muhlenburg	519	18	68.6	−2.5	95	17	36	30	44	2.09	−0.94	0.85	0	4	22	7	1	s.	C. R. Lovell.
Hopkinsville	Christian	524	38	70.6	−1.6	98	21†	39	23†	39	1.11	−2.15	0.46	0	4	15	7	8	e.	Richard Stites
Henderson	Henderson	382	21	71.6	.....	94	17†	39	30	39	2.29	−0.89	0.81	0	6	17	4	9	se.	W. E. Graves.
Hopkinsville	Christian	524	38	70.6	−1.6	98	21†	39	23†	39	1.54	.....	0.86	0	3	27	0	3	s.	Blaine Malone.
Lawrence Ville	Bullard	.....	6	68.2	.....	95†	17†	36†	30	45†	.....	.....	.....	.....	.....	.....	.....	.....	.....	B. C. Paris.
Marion	Crittenden	571	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mayfield	Graves	364	26	71.8	−0.8	96	17†	42	30	37	1.17	−1.54	0.17	0	5	19	6	6	s.	Mrs. C. R. Sowell.
Mayfield	Graves	412	9	67.2	.....	89	21	31	30	38	1.92	.....	0.83	0	6	18	7	5	s.	Harry B. Arnold
Murray	Calloway	417	38	67.3	−3.1	92	21	36	20	31	1.09	−2.16	0.56	0	6	22	3	5	s.	Henry S. Berry.
Owensboro	Daviess	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.88	.....	0.42	0	5	.....	.....	.....	.....	Lockmaster.
Owensboro, Dam 46	Daviess	404	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Paducah	McCracken	316	18	.....	.....	.....	.....	.....	.....	.....	0.98	−2.33	0.47	0	6	23	1	6	.....	C. J. Rhodes.
Paducah	McCracken	311	46	.....	.....	.....	.....	.....	.....	.....	1.22	−2.90	0.69	0	3	.....	.....	.....	.....	J. W. Lilley
Paris, Bourbon	.....	750	28	70.0	−1.8	93	20†	40	29†	38	1.75	−1.74	0.52	0	6	17	8	5	n.	Dr. W. L. Cash.
Princeton	Caldwell	529	28	.....	.....	.....	.....	.....	.....	.....	1.55	−2.34	0.58	0	6	.....	.....	.....	.....	Lockmaster.
Rumsey, Lock 2	McLean	384	18	.....	.....	.....	.....	.....	.....	.....	4.92	+1.85	2.68	0	5	22	3	5	s.	Wm. Shelton.
Russellville	Logan	590	24	68.8	−3.1	93	21	36	30	38	1.18	.....	0.49	0	5	.....	.....	.....	.....	Lockmaster.
Smithtown, Dam 49	Union	357	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Division.																				
Addison, Dam 45	Breckinridge	352	7	.....	.....	.....	.....	.....	.....	.....	0.82	.....	0.35	0	4	.....	.....	.....	.....	Lockmaster.
Auburn	Logan	700	34	65.2	−3.8	88	21†	36	30	38	2.46	−0.35	1.11	0	5	23	4	3	se.	C. E. Barret.
Bardstown	Nelson	607	38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Emily T. Sisco.
Bardstown	Nelson	590	46	70.8	−2.1	91	21	42	30	35	2.42	−0.82	1.50	0	6	17	6	7	s.	Mrs. Lillie G Causey.
Bowling Green	Warren	469	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lockmaster.
Bowling Green, No. 2	Warren	430	18	.....	.....	.....	.....	.....	.....	.....	1.79	−1.60	0.85	0	9	.....	.....	.....	.....	Lockmaster.
Brownsville, Lock 6	Edmonson	430	18	.....	.....	.....	.....	.....	.....	.....	4.19	+1.01	1.40	0	6	.....	.....	.....	.....	T. A. Lewis
Burnside	Pulaski	705	41	.....	.....	.....	.....	.....	.....	.....	1.88	−1.22	0.52	0	6	.....	.....	.....	.....	Lockmaster.
Carrollton, Lock 1	Carroll	480	36	.....	.....	.....	.....	.....	.....	.....	2.53	−1.54	0.78	0	5	.....	.....	.....	.....	Lockmaster.
Cold Spring, Dam 38	Campbell	489	9	.....	.....	.....	.....	.....	.....	.....	3.52	0.00	1.59	0	4	22	2	6	se.	Ralph C. Wyatt.
Danville	Boyle	540	2	66.4	.....	89	20†	33	30	42	3.96	+0.56	2.60	0	3	19	5	6	s.	C. W. Williams.
Dix Dam, Burgin	Mercer	770	7	68.8	−3.1	92	17	38	30	39	4.15	0.83	2.70	0	3	21	4	5	s.	Mrs. Katie Payne.
Eubank	Pulaski	1177	41	67.0	−2.0	90	16†	37	29†	36	3.54	+0.55	2.28	0	6	22	2	6	w.	Lockmaster.
Frankfort	Franklin	503	43	68.3	−1.2	93	14†	38	30	38	1.33	1.58	1.22	0	6	21	6	3	n.	Marcus Gatewood.
Frankfort	Scantoon	493	40	71.7	−0.8	97	21	39	30	43	1.77	−1.66	0.76	0	5	.....	.....	.....	.....	Lockmaster.
Gest, Lock 3	Henry	440	24	.....	.....	.....	.....	.....	.....	.....	5.26	.....	2.67	0	4	26	3	1	w.	P. L. Beatty.
Glasgow	Barren	780	9	69.4	.....	93	18	38	30	40	2.74	−0.76	1.25	0	6	.....	.....	.....	.....	Lockmaster.
Grand, Dam 38	Boone	780	16	.....	.....	.....	.....	.....	.....	.....	4.52	+1.33	3.50	0	6	9	7	14	e.	Mrs. Bettie K. H. Alcorn.
Greensburg	Green	581	42	66.6	−3.2	95	21	33	30	43	4.56	−0.46	2.30	0	6	.....	.....	.....	.....	Lockmaster.
High Bridge, Lock 7	Jessamine	544	33	.....	.....	.....	.....	.....	.....	.....	0.72	−2.21	0.28	0	4	21	3	6	sw.	W. J. Piggott
Irvington	Breckinridge	646	37	67.8	−2.8	90	20†	40	30	34	4.29	−1.51	2.70	0	5	.....	.....	.....	.....	Walter Killion.
Lancaster	Garrard	1020	9	.....	.....	.....	.....	.....	.....	.....	1.63	−1.81	1.00	0	6	22	4	4	sw.	H. H. Willis.
Leitchfield	Grayson	665	39	69.4	−0.8	93	17†	37	30	40	4.46	+1.39	2.08	0	5	23	1	6	.....	U. S. Weather Bureau
Lexington	Fayette	960	51	68.3	−0.2	92	21	37	30	39	3.68	+0.23	2.25	0	5	.....	.....	.....	.....	Lockmaster.
Louisville, Lock 41	Jessamine	500	23	.....	.....	.....	.....	.....	.....	.....	1.71	−1.65	0.92	0	5	.....	.....	.....	.....	Lockmaster.
Louisville	Henry	485	25	.....	.....	.....	.....	.....	.....	.....	1.75	−1.03	0.99	0	7	18	7	5	n.	U. S. Weather Bureau
Lockport, Lock 2	Jefferson	525	62	69.4	−1.1	91	20	46	30	28	3.20	.....	3.06	0	5	23	1	6	w.	Lyal J. Ellsworth.
Mammoth Cave	Edmonson	.....	.....	68.0	.....	92†	20†	34†	30	39†	1.52	−1.58	0.52	0	6	23	2	6	.....	Sisters of Loretto.
St. Joseph	Bardin	777	39	66.2	−3.8	95	21	35	30	40	2.82	−0.35	1.05	0	4	.....	.....	.....	.....	Lockmaster.
Salvisa, Lock 6	Mercer	520	24	.....	.....	.....	.....	.....	.....	.....	2.90	+0.01	2.06	0	5	20	0	10	s.	Miss RuthRatia.
Smallhouse	Scudley	825	46	67.8	−1.8	93	17	37	30	40	2.90	+0.01	2.06	0	5	23	1	6	.....	Elizabeth J. Bourne.
Spencerville	Spencer	489	33	69.1	−3.5	88	21	34	30	38	1.88	−1.88	0.91	0	5	23	1	6	.....	Lockmaster.
Tyrone, Lock 5	Anderson	524	17	.....	.....	.....	.....	.....	.....	.....	3.07	−0.22	1.77	0	4	.....	.....	.....	.....	Mrs Nellie B. Simpson.
Walkertown	Carroll	843	32	70.0	+0.8	94	17†	39	30	41	1.58	−1.26	0.80	0	6	23	1	6	w.	Lockmaster.
Woodburn, Lock 17	Isaac	504	18	.....	.....	.....	.....	.....	.....	.....	2.14	−0.78	1.15	0	6	.....	.....	.....	.....	.....
Eastern Division.																				
Ashcamp	Jackson	.....	4	.....	.....	.....	.....	.....	.....	.....	5.42	.....	3.52	0	4	17	7	6	ne.	W. A. Worthington.
Ashland	Boyd	544	16	68.9	−1.6	90	19†	39	30	37	2.17	−0.58	0.68	0	4	24	2	4	w.	Lockmaster.
Ashland	Madison	1050	30	67.4	−2.5	90	21	36	30	42	3.28	+0.52	2.44	0	6	18	5	7	sw.	Talmer M. Ambrose.
Beattyville	Madison	611	25	.....	.....	.....	.....	.....	.....	.....	4.61	+0.46	1.94	0	5	.....	.....	.....	.....	Lockmaster.
Clay, Dam, Lock 11	Madison	611	25	.....	.....	.....	.....	.....	.....	.....	3.25	−0.36	1.50	0	5	.....	.....	.....	.....	P. B. Kobee.
Clayhole	Morrison	684	17	.....	.....	.....	.....	.....	.....	.....	1.66	−0.92	0.62	0	7	.....	.....	.....	.....	J. V. Oldham.
Falmouth	Pendleton	660	16	.....	.....	.....	.....	.....	.....	.....	4.35	+1.40	2.45	0	4	14	7	9	e.	Mrs. R. F. Stamper.
Grayson	Rowan	668	27	67.6	−0.7	94†	17	38§	29	41†	1.62	+1.27	2.02	0	4	.....	.....	.....	.....	C. A. Glascock
Hazard, Dam 40	Perry	841	10	.....	.....	.....	.....	.....	.....	.....	3.81	0.26	2.60	0	5	.....	.....	.....	.....	Lockmaster.
Hazel, Lock 10	Clay	667	19	.....	.....	.....	.....	.....	.....	.....	3.19	+0.71	1.17	0	6	.....	.....	.....	.....	Lockmaster.
Greenup, Dam 30	Greenup	550	15	.....	.....	.....	.....	.....	.....	.....	1.42	.....	0.85	0	4	19	4	7	n.	W. W. Duffield.
Harlan	Harlan	1197	7	68.6	.....	86	19	38	30	39	1.48	−1.72	0.70	0	4	.....	.....	.....	.....	Chas. O. Bing.
Jackson	Breathitt	869	11	.....	.....	.....	.....	.....	.....	.....	4.65	+1.48	2.28	0	5	22	1	7	sw.	Lockmaster.
Jenkins, Lock 14	Lee	663	18	67.7	.....	90	17	38	30	36	4.23	.....	2.00	0	4	.....	.....	.....	.....	Jas T Goff.
Jenkins	Breathitt	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.66	2.01	0.33	0	5	.....	.....	.....	.....	E. R. Davidson.
Jenkins	Letcher	1566	11	.....	.....	.....	.....	.....	.....	.....	3.62	+1.78	1.86	0	4	.....	.....	.....	.....	Lockmaster.
Lancaster	Lancaster	984	31	.....	.....	.....	.....	.....	.....	.....	4.06	+1.72	3.25	0	4	.....	.....	.....	.....	Signett B. White.
Manchester	Clay	.....	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lockmaster.
Maysville	Mason	524	33	68.2	−1.5	92	19	39	30	36	3.75	+0.22	2.10	0	8	17	8	5	s.	Lockmaster.
Maysville	Mason	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	27	2	0	.....	.....	Matthew Woodson
Middlesboro	Bell	1128	29	66.4	−0.2	94	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. B. McKee.
Mount Sterling	Montgomery	939	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mount Sterling	Montgomery	939	15	.....	.....	.....	.....	.....	.....	.....	1.60	−1.69	0.58	0	6	.....	.....	.....	.....	Lockmaster.
Owingsville	Bath	797	8	.....	.....	.....	.....	.....	.....	.....	3.42	.....	1.52	0	6	.....	.....	.....	.....	Manuel Robinson.
Pendleton	Jessamine	767	1	.....	.....	.....	.....	.....	.....	.....	1.18	1.84	0.46	0	6	.....	.....	.....	.....	Robert Bryson
Pikeville	Pike	636	29	.....	.....	.....	.....	.....	.....	.....	1.18	.....	0.46	0	6	.....	.....	.....	.....	August D. Angel.
Pine Mountain	Harlan	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.16	.....	1.05	0	4	14	3	13	.....	Camp Run Com Cen.
Pippa Passes	Knott	1005	1	66.6	.....	84†	17	35†	30	45†	0.65	.....	0.36	0	4	.....	.....	.....	.....	R. W. Jones.
Quicksand	Breathitt	732	9	68.6	−2.4	91	17†	38	30	38	3.78	−0.67	1.74	0	5	.....	.....	.....	.....	Lockmaster.
Quicksand, Lock 12	Breathitt	631	17	.....	.....	.....	.....	.....	.....	.....	3.82	+0.26	1.86	0	5	.....	.....	.....	.....	Lockmaster.
Riverton	Madison	926	44	68.6	−2.5	95	18†	40	30	32	4.25	+1.30	2.36	0	6	23	0	7	.....	T. W. Cowhe.
Riverton, Lock 13	Madison	571	22	.....	.....	.....	.....	.....	.....	.....	4.81	+0.86	2.46	0	6	.....	.....	.....	.....	Lockmaster.
Salyersville, Dam 42	Magoffin	575	22	.....	.....	.....	.....	.....	.....	.....	3.47	+1.10	0.68	0	6	.....	.....	.....	.....	Lockmaster.
Salyersville	Magoffin	1112	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. H. Zimmerman.
Whitesburg	Letcher	935	38	71.6	+0.8	97	22	45	29	42	1.66	−1.76	1.26	0	8	19	7	4	.....	H. F. Davis.
Williamsburg	Whitley	1100	13	.....	.....	.....	.....	.....	.....	.....	3.56	0.90	2.00	0	4	.....	.....	.....	.....	Lockmaster.
Wilmore	Jessamine	845	16	.....	.....	.....	.....	.....	.....	.....	2.75	0.21	3.00	.....	5	21	5	4	s.	.....

Temperature data are as read from self-registering thermometers.

Precipitation, temperature and wind movement are computed only for such stations as have ten or more years of record, but all complete reports are published.

Dashes indicate missing records, or data in regular reports from regular stations not received in time for compilation.

Normals, Records and Averages are based on the records at Louisville, Lock 41, Jessamine Co., Ky., for the Ohio River stations; Lock 7, Carroll Co., Ky.; Lock 14, Lee Co., Ky.; Lock 10, Clay Co., Ky.; Lock 9, Owsley Co., Ky.; Lock 8, Estill Co., Ky.; Lock 4, Anderson Co., Ky.; Lock 1, Oldham Co., Ky.; Lock 2, Shelby Co., Ky.; Lock 3, Henry Co., Ky.; Lock 5, Trimble Co., Ky.; Lock 6, Carroll Co., Ky.; Lock 7, Nicholasville, Ky.; Lock 10, Red House, Ky.; Lock 11, Estill Co., Ky.; Lock 12, Lawrenceburg, Ky.; Lock 13, Versailles, Ky.; Lock 14, Nicholasville, Ky.; Lock 16, Red House, Ky.; Lock 17, Frankfort, Ky.; Lock 18, Frankfort, Ky.; Lock 19, Frankfort, Ky.; Lock 20, Frankfort, Ky.; Lock 21, Frankfort, Ky.; Lock 22, Frankfort, Ky.; Lock 23, Frankfort, Ky.; Lock 24, Frankfort, Ky.; Lock 25, Frankfort, Ky.; Lock 26, Frankfort, Ky.; Lock 27, Frankfort, Ky.; Lock 28, Frankfort, Ky.; Lock 29, Frankfort, Ky.; Lock 30, Frankfort, Ky.; Lock 31, Frankfort, Ky.; Lock 32, Frankfort, Ky.; Lock 33, Frankfort, Ky.; Lock 34, Frankfort, Ky.; Lock 35, Frankfort, Ky.; Lock 36, Frankfort, Ky.; Lock 37, Frankfort, Ky.; Lock 38, Frankfort, Ky.; Lock 39, Frankfort, Ky.; Lock 40, Frankfort, Ky.; Lock 41, Frankfort, Ky.; Lock 42, Frankfort, Ky.; Lock 43, Frankfort, Ky.; Lock 44, Frankfort, Ky.; Lock 45, Frankfort, Ky.; Lock 46, Frankfort, Ky.; Lock 47, Frankfort, Ky.; Lock 48, Frankfort, Ky.; Lock 49, Frankfort, Ky.; Lock 50, Frankfort, Ky.; Lock 51, Frankfort, Ky.; Lock 52, Frankfort, Ky.; Lock 53, Frankfort, Ky.; Lock 54, Frankfort, Ky.; Lock 55, Frankfort, Ky.; Lock 56, Frankfort, Ky.; Lock 57, Frankfort, Ky.; Lock 58, Frankfort, Ky.; Lock 59, Frankfort, Ky.; Lock 60, Frankfort, Ky.; Lock 61, Frankfort, Ky.; Lock 62, Frankfort, Ky.; Lock 63, Frankfort, Ky.; Lock 64, Frankfort, Ky.; Lock 65, Frankfort, Ky.; Lock 66, Frankfort, Ky.; Lock 67, Frankfort, Ky.; Lock 68, Frankfort, Ky.; Lock 69, Frankfort, Ky.; Lock 70, Frankfort, Ky.; Lock 71, Frankfort, Ky.; Lock 72, Frankfort, Ky.; Lock 73, Frankfort, Ky.; Lock 74, Frankfort, Ky.; Lock 75, Frankfort, Ky.; Lock 76, Frankfort, Ky.; Lock 77, Frankfort, Ky.; Lock 78, Frankfort, Ky.; Lock 79, Frankfort, Ky.; Lock 80, Frankfort, Ky.; Lock 81, Frankfort, Ky.; Lock 82, Frankfort, Ky.; Lock 83, Frankfort, Ky.; Lock 84, Frankfort, Ky.; Lock 85, Frankfort, Ky.; Lock 86, Frankfort, Ky.; Lock 87, Frankfort, Ky.; Lock 88, Frankfort, Ky.; Lock 89, Frankfort, Ky.; Lock 90, Frankfort, Ky.; Lock 91, Frankfort, Ky.; Lock 92, Frankfort, Ky.; Lock 93, Frankfort, Ky.; Lock 94, Frankfort, Ky.; Lock 95, Frankfort, Ky.; Lock 96, Frankfort, Ky.; Lock 97, Frankfort, Ky.; Lock 98, Frankfort, Ky.; Lock 99, Frankfort, Ky.; Lock 100, Frankfort, Ky.

† Precipitation is less than 0.01 inch rain or melted snow. ‡Lone Oak.

Daily Precipitation for September, 1935.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																														
Calhoun		T	.58	.2						.42																				
Carrington			.18	.3						.5	.28														T	.2	.2			
Fords Ferry Dam 46			.4	.6						.4	.22															.6	.4			
Glasgow		.06	.3	T						.6								T								.3	.3			1.11
Jamestown		E	.42							.6																.2				
Leitchfield	F		.24	.34							.53													21						
Lovelaceville										.5															T	.2				
Marion																														
Maxfield				.23	.1																									
Murray		F		.83	.17					.28															D	.4	.3			
Owensboro				.83	.6						.26																			
Owensboro, Dam 6				.95	.4					.2																				
Paducah				.17						.3																				
Paducah (Upper)										.4															.05	.4				
Perryville		.6	.48	.44						.52																.4				
Ramsey, Lock No. 2			.10	.18							.3														1	.24				
Russellville			.2	.48	1.10					.15	1.06															.1	.1			
Owensboro, Dam 45				.6	.32					.10																.20				
Eastern Division																														
Addison, Dam 45					.30						.20																			
Anchorage					.11																									
Bardstown																														
Beaver Creek				.06	.50	.08				.22																				
Bowling Green, No. 2																														
Brooklet, Dam Lock No. 6		.05		.2	.85	.14				.3	.10															.2	.2			
Burnside		.2		.72	1.08	1.10					.2															.2	.2			
Carrollton (Lock No. 1)		.14	.48	.40							.2								.4								T			
Cold Springs, Dam 50		F	.60	.75							.24															.15				
Danville		.1.0	.61	.59						.2																.12	.10			
Dix Dam, Burgin			.03	.6						.2															T.	T				
Eminence				.5	2.50						.62																			
Frankfort		.43	.2	.30						.2																				
Frenchburg			.12	.22	.16					.2																.05				
Guist, Lock No. 3			.5	.75	.32					.2																.02				
Gypsy																										.02				
Grant, Dam 38		1.0	1.41	2.05						.1																				
Greensburg			.05	.15						T	.57																			
Greenupsburg		.45	.13	1.80	.40					D	.2															.12	T			
High Bridge, Lock No. 7				.8	.2	.3					.2															.0				
Irvington				.38	.05						.2															.6				
Jamestown				.2	.8						.2															.6				
Lexington		.21	.0	.2	.7	.06				.4															T.	.1				
Leitchfield			.26	1.6	.03					.2																.1				
Lexington		.2	1.3	.38						.3															T					
Little Buckman, Lock No. 8			.38	.6	.2					.10	.2															.1	.01			
Lockport, Lock No. 2			.1	.02	.45					.1																				
Louisville			.28	.42	.01					.2																				
Mammoth Cave					3.06					.03	.12														.08	T.	.17				
Stanford				.4	.32					T	.1															.0		T			
Sadieville, Lock No 6			.7	.78	1.03					T.	.24															.0					
Shelbyville			.12	.2.6	.65	.02																									
Taylorsville			.4	.91						.31																				
Tyrone, Lock No. 5		E		.17	.51						.22															T.	.0				
Williamstown			.0	.40	.80	.11					.48																				
Woodburn, Lock No. 4				1.15	.9					.0	.19																				
Eastern Division																														
Annville					3.53	1.37					.2																				
Ashland				.48	.78	.40				.6																				
Berea		.50	.27	2.14						.03	.15								T							.02				
College Hill, Lock No. 11			.1.0	.7	.91	.15					.2								.15												
Cynthiana		.0	1.50	.9	T					T.	.38															.6	.2			
Falmouth		.2	.3	.62	.01						.26															.1	T			
Farmers			.1	.3	1.0	.11					.33																				
Georgetown				.67	2.02	.24					.27																				
Ford, Lock No. 10		.28	.1.2	.4	.10						.27																				
Greenup, Dam 30				.80	1.15	.42					.67																T	T			
Harlan				.27						.32	.15																	.05			
Hazard		.4			.57						.17																				
Heidelberg, Lock No. 14				.50	2.28	1.08					.22								.44		.24										
Jackson				.55	2.10	.1													.20												
Jenkins		.31				.31	.19				.11																				
Louisa				1.24	.80	1.80					.26																	.02			
Manchester			.65	.20	5.13	2.28																									
Maysville				.05	2.15	.17				.01	.10																				
Middlesboro					.21						.1																.02	.0			
Mount Sterling																														
Owensville, Dam 45			.65	.20	.45						.58															.18	.17				
Paintsville				.30	.82	1.54					.24																				
Pine Mountain				.06	.06	.12					.18								.88												
Pippapass			.60	.1	1.02	.2				.15	.72															T	.04				
Quicksand										.16	.04															T				
Ravenna, Lock No. 12				.30	.81	2.1.58					.42								.02												
Red mond				.32	.68	1.80	.30																								
Valley View, Lock No. 6			.20	1.45	2.60	1.1																					T				
Vanceburg, Dam No. 32			.05	1.25	2.46	.04				.2																				
Versailles				.52		.15				.08																				
Williamsburg																										.04	.02			
Williamsport					.15	1.2																								
Willow, Lock No. 13			.58	2.66	1.1					.28	.05																			

Except as otherwise indicated observations are generally made here at 8 a.m. each morning, and precipitation recorded is for the preceding 24 hours ending at the time of observation.

(B) Bureau mark (***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

. Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation recorded in the next following measurement

, separate dates of falls not recorded. T Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

[1] Long Oak [2] 0.10.

Daily Temperatures for September, 1935.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Calhoun	Maximum	78	83	78	76	76	75	83	85	80	78	81	85	87	89	93	91	92	92	91	92	94	88	88	91	86	79	73	68	70	78	..	83.3
	Minimum	54	60	68	64	58	52	52	53	64	54	50	50	51	59	61	62	65	65	64	66	62	62	52	58	62	64	51	51	48	41	..	57.3
	Mean	66	72	73	70	67	64	68	69	72	66	66	68	69	74	77	77	79	79	78	79	78	75	70	75	74	72	62	60	59	60	..	70.8
Darlington	Maximum	78	85	77	77	76	77	82	85	79	78	80	84	88	90	91	92	93	92	91	92	94	93	89	91	92	87	80	75	68	71	78	86.2
	Minimum	52	62	69	65	49	50	48	51	64	58	49	47	54	57	61	61	60	65	66	69	60	60	50	55	62	65	62	51	44	39	36	55.2
	Mean	65	74	73	71	63	64	65	68	72	68	65	66	71	74	76	77	77	79	79	81	77	77	70	73	77	76	71	63	56	55	57	70.7
Greenville	Maximum	79	85	76	79	79	76	85	85	74	74	80	82	85	89	91	94	95	92	93	93	94	88	91	93	87	82	75	68	70	77	..	82.4
	Minimum	56	66	68	61	59	51	50	48	56	52	44	40	51	55	56	60	64	65	68	72	66	58	57	47	51	61	64	53	49	39	35	53.8
	Mean	68	76	72	70	69	64	68	67	65	63	62	61	68	72	74	77	80	79	81	83	80	73	74	70	69	72	70	61	60	58	56	68.1
Henderson	Maximum	86	85	78	84	81	79	87	90	78	79	81	82	90	94	97	97	99	99	97	99	97	96	92	94	94	93	87	77	74	67	77	87.7
	Minimum	60	61	67	66	61	59	59	60	65	61	51	48	58	59	61	62	63	65	64	69	61	63	56	58	48	47	47	47	45	39	35	55.4
	Mean	73	73	73	75	71	69	73	75	72	70	66	65	74	77	79	80	81	82	81	84	79	80	74	76	71	70	67	62	60	53	56	71.6
Hopkinsville	Maximum	88	87	76	77	79	79	84	86	77	77	85	88	91	92	94	94	95	93	93	94	95	93	93	94	94	93	90	82	77	74	77	87.1
	Minimum	56	61	62	64	61	53	52	51	64	55	48	51	57	56	58	60	62	63	63	69	59	59	49	58	57	65	60	54	51	39	33	56.4
	Mean	72	74	69	71	70	66	68	69	71	66	67	70	74	74	76	77	79	78	78	82	77	76	71	76	76	79	75	68	64	57	55	71.8
Lovelaceville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	48	44	50	54	54	52	45	41	50	54	57	55	57	59	57	55	57	58	60	54	60	61	54	50	38	36	..	52.2
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mayfield	Maximum	84	88	86	79	76	76	82	88	86	76	80	86	90	93	95	94	96	98	92	95	96	95	93	95	92	84	74	69	75	79	..	85.7
	Minimum	56	62	68	64	58	54	50	53	64	55	53	53	56	61	62	62	63	67	64	61	63	61	62	60	68	60	51	53	43	42	..	58.0
	Mean	70	75	77	72	67	65	66	71	75	66	67	70	73	77	79	78	80	83	78	78	80	78	78	78	80	72	63	61	59	61	..	71.9
Murray	Maximum	85	90	83	80	77	80	84	89	73	68	85	87	91	93	93	95	96	93	92	95	96	93	93	96	91	78	67	68	74	77	..	85.4
	Minimum	47	56	64	60	47	45	41	47	57	50	39	44	47	53	50	52	54	55	55	56	54	52	52	51	47	45	54	47	45	37	31	49.1
	Mean	66	73	74	70	62	62	62	68	65	59	62	65	69	73	72	73	75	74	73	75	75	72	72	73	69	61	60	57	59	57	41	67.3
Owensboro	Maximum	77	79	75	75	73	75	77	83	76	75	78	79	88	87	88	89	92	94	91	93	94	92	92	94	93	85	78	73	74	76	..	84.0
	Minimum	55	60	61	61	56	51	48	46	62	50	43	41	49	54	57	56	59	61	60	59	57	62	48	54	61	60	62	48	40	36	..	53.6
	Mean	66	70	68	68	65	63	63	65	69	63	61	60	69	71	73	73	76	78	76	76	76	77	70	74	77	73	70	61	57	56	..	68.8
Paducah	Maximum	78	83	80	78	77	74	80	86	76	77	80	81	86	89	91	93	92	91	91	93	93	91	93	93	92	87	80	78	78	80	78	85.4
	Minimum	54	62	68	65	54	54	51	52	64	56	48	49	55	58	59	60	62	65	64	66	61	62	54	58	62	64	61	53	49	42	38	57.0
	Mean	66	73	74	72	66	64	66	69	70	67	64	65	71	74	75	77	77	78	78	80	77	77	74	76	77	76	71	66	64	61	58	71.2
Princeton	Maximum	85	88	86	79	76	76	82	88	80	76	80	86	90	93	94	95	96	96	93	95	96	95	93	95	92	84	74	69	75	79	..	85.7
	Minimum	54	62	68	64	58	54	50	53	64	55	53	53	56	61	62	62	63	67	64	61	63	61	62	60	68	60	51	53	43	42	..	58.0
	Mean	70	75	77	72	67	65	66	71	75	66	67	70	73	77	79	78	80	83	78	78	80	78	78	78	80	72	63	61	59	61	..	71.9
Ross Ilvilles	Maximum	78	86	78	75	74	76	80	85	72	75	78	84	87	89	91	90	92	93	89	91	93	91	87	89	86	79	73	68	71	74	..	81.8
	Minimum	51	59	67	60	54	52	48	51	61	57	46	52	56	64	59	59	60	65	63	65	57	58	50	55	61	58	63	51	40	36	..	55.9
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central Division																																	
Anchorage	Maximum	69	66	62	73	72	74	76	78	68	71	73	76	80	84	86	86	86	87	86	87	88	89	84	84	83	84	79	64	66	74	..	77.5
	Minimum	48	57	58	59	50	46	48	56	58	46	44	45	48	53	58	61	63	61	69	58	56	49	48	53	60	58	56	48	39	36	..	52.9
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bardstown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bowling Green	Maximum	76	84	74	74	76	75	80	85	75	76	85	86	87	87	90	88	87	90	88	87	90	91	87	87	88	88	82	74	67	70	77	82.1
	Minimum	53	61	70	64	56	55	55	58	54	55	50	50	58	58	59	61	63	65	65	65	63	62	61	55	57	66	58	64	51	42	42	58.5
	Mean	64	72	72	69	66	65	68	72	65	66	68	68	73	73	75	75	75	78	77	76	77	77	74	71	73	77	70	69	59	56	60	70.3
Danville	Maximum	74	79	69	75	75	78	84	89	74	76	79	82	84	86	87	87	88	88	89	89	89	87	85	89	87	85	79	75	66	68	75	82.1
	Minimum	48	54	55	60	53	49	51	50	63	58	48	47	52	53	58	59	58	60	59	57	59	59	60	48	49	59	52	50	50	48	46	53.6
	Mean	61	66	62	68	64	64	68	70	69	67	64	65	68	70	73	73	73	74	74	73	74	73	73	68	68	72	66	63	58	58	61	67.9
Dix Dam	Maximum	74	73	70	70	70	78	80	76	72	74	79	81	85	85	86	87	89	90	91	90	91	92	91	90	94	80	74	69	73	77	..	81.1
	Minimum	54	51	65	67	56	54	57	62	63	46	47	52	54	60	60	61	62	62	62	58	59	62	54	52	60	60	60	55	51	38	..	56.6
	Mean	64	62	68	69	63	66	69	69	68	60	63	67	70	73	73	74	76	76	77	74	75	77	73	71	77	70	67	62	62	58	..	68.9
Elkton	Maximum	78	83	78	78	77	78	80	85	76	76	78	80	83	85	89	90	89	90	88	89	88	87	89	88	87	85	80	79	75	78	69	83.4
	Minimum	53	58	63	68	58	56	54	58	56	54	50	53	54	50	54	56	56	60	58	57	58	54	56	58	55	50	57	51	47	37	37	54.6
	Mean	66	71	71	73	68	67	67	72	66	65	64	67	69	68	72	73	73	75	73	73	73	71	73	73	71	68	69	65	61	58	53	69.0
Frankfort	Maximum	74	67	72	76	77	79	80	85	75	74	80	82	85	87	92	90	91	91	93	93	94	93	91	93	93	87	82	78	76	76	..	84.0
	Minimum	50	58	61	60	54	51	52	54	62	52	48	49	51	55	57	62	60	61	61	59	57	61	62	56	57	58	63	53	42	38	..	55.0
	Mean	62	63	67	68	66	65	66	70	69	63	64	66	68	71	75	76	76	76	77	76	76	77	77	75	75	73	73	66	59	57	..	69.5
Franklin	Maximum	84	89	78	78	77	77	80	86	79	77	85	88	91	92	94	94	95	93	90	92	94	93	92	93	92	87	81	84	74	78	..	86.8
	Minimum	51	61	66	64	55	52	50	54	62	59	50	50	54	58	60	58	58	60	58	56	57	60	62	54	55	57	60	62	53	44	39	56.9
	Mean	68	75	72	71	66	64	65	70	71	68	68	69	73	75	77	76	77	77	74	74	76	77	77	74	74	72	71	73	64	61	59	71.9
Glasgow	Maximum	85	75	71	76	77	75	85	87	75	75	87	87	89	89	93	90	88	87	87	88	92	89	87	92	87	81	84	74	68	72	80	84.0
	Minimum	50	60	67	66	52	50	50	52	66	50	51	48	56	56	55	57	60	65	70	68	58	56	55	52	54	58	50	50	48	46	42	54.9
	Mean	68	68	69	71	65	63	68	70	71	63	69	68	73	73	74	74	74	76	79	78	75	73	71	72	71	70	67	62	58	59	61	69.5
Greensburg	Maximum	79	74	74	72	71	69	81	85	73	77	83	84	89	89	88	92	94	92	91	93	94	93	91	93	93	88	84	80	77	80	80	85.1
	Minimum	47	53	64	65	54	49	52	51	58	54	46	50	54	52	54	58	60	61	66	64	56	55	46	48	54	55	48	48	43	39	36	53.0
	Mean	63	64	69	69	63	59	67	68	66	66	65	67	72	71	71	75	77	77	79	79	75	74	69	71	74	72	66	64	60	60	58	69.1
Irvington	Maximum	74	72	72	76	72	73	74	80	74	73	79	79	82	85	87	88	89	89	87	90	91	89	87	90	91	89	84	82	78	76	78	82.6
	Minimum	51	60	67	65	53	52	51	52	63	53	48	47	50	51	57	61	62	64	63	66	59	61	58	56	55	64	56	50	41	40	36	56.6
	Mean	63	66	70	71	63	63	63	66	69	63	64	63	66	68	72	75	76	77	75	78	75	75	73	73	73	77	70	66	60	58	57	69.6
Leitchfield	Maximum	78	79	70	75	74	76	81	88	72	75	78	82	86	88	90	91	91	92	93	91	92	93	91	92	93	88	82	78	76	78	80	84.0
	Minimum	53	60	67	64	56	54	52	53	63	53	47	50	52	57	57	60	61	63	66	65	60	59	60	53	54	58	52	50	46	42	37	55.2
	Mean	66	70	69	70	65	65	67	71	68	64	63	66	69	73	74	76	76	78	80	78	76	76	76	73	74	73	67	64	61	60	59	69.6
Lexington	Maximum	73	67	70	70	70	74	80	82	73	73	77	79	83	84	87	89	91	91	91	91	92	91	89	91	92	86	80	77	74	76	80	82.1
	Minimum	51	57	69	65	58	56	54	54	61	51	47	50	54	57	61	61	63	64	63	62	63	63	53	59	62	58	60	54	51	49	47	57.0
	Mean	62	62	70	68	64	65	67	68	67	62	62	65	69	71	74	75	77	78	77	77	78	77	71	75	77	72	70	66	63	63	64	69.6
Louisville	Maximum	79	69	72	76	78	78	78	82	71	74	78	79	83	85	89	88	90	89	88	90	91	90	89	90	91	90	87	84	82	84	86	84.3
	Minimum	59	59	65	64	65	58	56	56	58	53	51	53	56	61	63	67	68	68	70	68	69	64	58	63	65	66	64	59	56	54	51	60.1
	Mean	69	64	69	70	72	68	67	69	65	64	65	66	70	73	76	78	79	79	79	79	80	77	74	77	78	78	76	72	69	69	69	72.2
Maxumalo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maxumalo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mount Sterling	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paris	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mean	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pineville	Maximum	76	68	75	77	79	80	79	85	78	76	77	81	86	87	87	91	91	91	89	91	89	85	85	87	85	78	69	70	45	58	..	81.9
	Minimum	44	54	61	65	61	59	55	57	56	55	48	50	54	54	54	60	59	61	60	61	58	57	58	59	60	58	58	58	38	33	..	54.9
	Mean	60	61	68	71	70	70	67	71	67	66	62	66	70	71	71	76	75	76	75	76	74	71	72	73	73	68	64	64	42	46	..	68.4
Russell	Maximum	79	74	80	76	72	76	74	79	85	78	74	78	80	82	84	85	86	86	87	87	87	86	85	87	87	85	83	82	74	76	78	81.2
	Minimum	54	57	59	63	54	50	54	56	58	54	50	52	56	58	58	58	60	61	62	62	61	61	58	59	60	58	58	58	48	44	41	56.7
	Mean	66	66	70	70	63	63	64	68	72	66	62	65	68	70	71	72	73	74	75	75	74	74	72	73	74	72	71	70	61	60	60	68.9
Somerset	Maximum	78	82	82	80	76	82	84	86	80	80	82	84	87	89	92	93	92	92	90	91	92	92	87	90	91	86	81	80	77	78	78	85.7
	Minimum	45	58	64	65	62	58	55	55	56	57	49	52	56	58	58	59	60	61	62	61	59	56	55	56	56	54	48	50	43	42	38	55.4
	Mean	62	70	73	73	69	70	70	71	68	69	66	68	72	74	75	76	76	77	76	76	76	74	71	73	74	70	65	65	60	60	58	70.6

Dashes (—) record in the meridian. The mean is computed from the hourly temperatures. The mean is charged to the preceding day, on which it almost always occurs
.. = Data not received in time for publication. [ ] = Incomplete record. days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XL. LOUISVILLE, KY., OCTOBER, 1935. NO. 10

GENERAL SUMMARY.

The dry weather that prevailed at the beginning of the month continued through the first three weeks. Fall plowing and seeding proceeded with increasing difficulty in muddy soil that toward the end of the dry period lacked moisture enough to sprout the grain. The showers that occurred on the 21st and 22d were beneficial in conditioning the soil and bringing about germination, but the rains did not penetrate deeply and the moisture content of the soil remained inadequate to maintain growth. In many places the showers were not even sufficient to bring up thinned. Good rains over the State in the last week, for the first time since seeding began, furnished moisture enough to insure general sprouting of grain and continued growth.

The long dry spell prevented late potatoes from developing sizeable tubers, and the heavy to killing frosts in the first week cut short the fall period of growth. They had already been seriously delayed by a decade of abnormally cool weather. The frosts caused extensive damage to late corn, especially in the western counties. Practically all tobacco had been saved before the frosts. They ended the tomato canning season rather early and damaged some late vegetables. The unvailing degrees increased the salvage of corn from the frosted portion of the crop by rapidly extracting the staples moisture from the ears before sprouting or molding could occur. The drying of corn and curing of late tobacco were accelerated by the high temperatures of the second decade. Cured tobacco could not be handled or stripped until the showery weather late in the month.

Pastures deteriorated steadily and became very poor. The first showers caused a slight revival and the rains near the end, in connection with the high temperature, brought about considerable growth. In the uplands and hilly sections water supplies for live stock continued deficient until the late rains. Pastures and sources of water supply needed much more rain at the end of the month.

TEMPERATURE.

Daily mean temperatures in the first week ranged from 8° to 23° below normal, with maximum on the 4th and 5th near freezing, and generally below freezing on the 7th. Mild weather followed in the second decade, when temperatures averaged 10 to 15° above normal. The warmth ended with another warm period of several days duration. Extremes for the State were 91° at several stations in the period 12-14th, and 22° at Farmers on the 7th.

PRECIPITATION.

The rainfall was above normal in some extreme eastern counties and the lower Ohio Valley, where it ranged from 3.01 to 5.6 inches at most stations. It was considerably lighter and generally below the average for this month in central and southern districts, where most stations reported 1.5 to 2.5 inches. The driest section included about twenty south-central counties, in which precipitation ranged from 1.2 to 1.7 inches. For the state amounts varied between 1.46 inches at Franklin and 7.1 inches at Lexington. Light and local showers occurred on few days in the first half of the month, except near the [illegible] were moderate to heavy in some places prevailed in the period 18-24th and 28-29th. These were the two rains of importance to crops in most sections during a dry interval nearly six weeks in length. Days with thunderstorms were: 12, 15, 16, 19, 20, 21, 22, 23, 28.

MISCELLANEOUS.

Rivers: All streams were low and run-off was light during the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Month.	Highest.	Date.	Least.	Date.	Average velocity.	Prevailing direction.	Number of days clear.	Number of days partly cloudy.	Number of days cloudy.	Average.	Greatest.	Least.
Cairo ..... Ill.	30.15	30.57	25	29.26	6	7	E.	8	13	10	68	93	37
Louisville ..... Ky.	30.19	30.64	25	29.72	3	6	E.	9	13	9	68	93	37

COMPARATIVE DATA FOR OCTOBER.

Year	Mean.	Departure.	Highest.	Date.	Lowest.	Date.	Average.	Departure.	Greatest daily.	Date.	Least daily.	Date.	Number of days with 0.01 inch or more.	Number of days with 0.10 inch or more.	Number of days with 0.50 inch or more.	Number of days with 1.00 inch or more.	Number of days with snow, sleet or hail.	Clear.	Partly cloudy.	Cloudy.
1934	52.0	− 6.2	86	12	23	24	4.58	5.10	1.32											
1933	58.2	− 2.5	87	1	23	7th			1.35											
1932	50.2	− 4.4	87	1	21	6	−1.04	2.61	1.16											
1931	50.3	− 6.6	87	1	19	0.51	−2.21	2.21	1											
1930	56.4	− 1.8	90	1	19	4	+1.28	1												
1929	59.6	+ 3.4	92	25	28	1.36	−1.36	3.05	0.62			8								
1928	52.2	− 6.0	89	14	28	1.24	−1.48	3				4	2							
1927	55.8	− 2.4	90	25	28	1.71	−1.01	3.08				5	4							
1926	63.2	+ 5.0	93	3	28	3.11	+0.39	4	0.10	0.0		3	3	3						
1925	54.1	− 4.1	93	21	28	1.47	−1.47	6.65	1.46	T.	T.	14	3							
1924	61.3	+ 3.1	93	26	28	0.50	−2.50	4.15	0.85	0.5	0.5	5	1							
1923	64.5	+ 6.3	94	3	28	2.29	−0.43	5												
1922	61.1	+ 2.9	91	1	25	1.97	−1.15	3.12				4	1							
1921	61.1	+ 0.9	90	2	28	2.75	−0.37	4	1			5	1							
1920	57.7	− 0.5	96	3	28	2.32	−0.80	4	0.95	T.		5	1	1						
1919	57.2	− 1.0	93	1	27	1.92	−2.20	4.46				2	2							
1918	57.5	− 1.2	90	1	28	3.44	+0.32	4												
1917	54.5	− 1.3	91	3	28	1.24	−0.93	3.35	T.			15	5	1						
1916	54.5	− 2.7	87	20	28	2.27	+0.11	4.45	1.15	T.		7	1	1						
1915	57.1	− 1.1	92	20	28	2.68	+0.09	5.48				6	2	1						
1914	59.2	− 3.6	94	18	28	3.11	−0.03	4.86				6	2	1						
1913	64.1	− 3.2	87	1	28	4.76	+1.76	11.46	1.62	0.1		6	2	2						
1912	58.3	+ 1.7	94	12	28	1.73	−0.76	3.42	0.78	0.0		4	1							
1911	60.5	+ 1.3	93	3	28	1.61	−1.01	3.08	0.0	0.0		4	1							
1910	59.2	− 1.3	97	3	28	2.41	−0.21	4.62	2.41	T.		5	1	1						
1909	58.7	+ 1.5	91	3	28	3.03	+0.41	5.44	1.40	0.1		6	2	1						
1908	60.6	+ 3.3	90	1	28	2.08	−0.54	3.62				6	1							
1907	57.6	− 0.6	97	24	28	1.59	−1.29	3.71	T.			5	1							
1906	51.1	− 7.1	86	20	28	1.18	−1.70	3.01				12	5							
1905	62.2	− 1.1	91	22	28	3.11	+0.23	4.46				6	2	1						
1904	57.3	− 1.7	90	1	28	2.53	−0.35	4.46				5	2	1						
1903	61.1	+ 2.9	91	14	28	1.39	−1.39	3.08				4	1							
1902	52.9	− 5.3	88	12	28	1.41	−1.37	3.08				11	4	1						
1901	54.1	− 4.1	89	3	28	1.98	−0.80	3.78	T.			11	3	1						
1900	58.3	− 0.1	94	3	28	2.38	−0.40	3.78				7	2	1						
1899	62.2	+ 3.8	93	3	28	3.11	+0.33	4.46				6	2	1						
1898	54.4	− 4.0	91	1	28	1.41	−1.37	3.08				12	4	1						
1897	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1896	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1895	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1894	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1893	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1892	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1891	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1890	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1889	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1888	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1887	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1886	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						
1885	58.4	+ 0.0	91	1	28	2.78	−0.00	4.46				6	2	1						

Climatological Data for October, 1935.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																					
Calhoun	McLean	437	31	62.0	+ 2.1	88	13	30	7	36	3.42	−0.02	0.96	0	9	9	20	2	se.	W. A. Taylor.
Earlington	Hopkins	420	45	61.7	+ 2.1	89	13	26	7	39	1.71	−1.17	1.04	0	8	19	4	8	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	6	.....	.....	.....	.....	.....	.....	.....	3.67	.....	0.95	0	12	.....	.....	.....	.....	Lockmaster.
Greenville	Muhlenburg	519	18	60.2	+ 0.9	90	13	24	7	42	1.80	−2.06	0.75	0	7	20	9	2	s.	C. R. Lovell.
Henderson	Henderson	382	21	62.0	.....	91	14	31	4†	33	3.77	+0.59	1.12	0	7	12	13	6	s.	Richard Stites
Hopkinsville	Christian	524	39	61.0	+ 0.2	88	13	29	7	38	2.84	−0.41	1.05	0	8	10	9	12	se.	W. E. Graves.
Lawrenceville	Ballard	.....	6	60.9	.....	88	12†	25	7	43	6.04	.....	2.50	0	8	17	8	6	s.	Blaine Malone.
Marion	Crittenden	571	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	B. C. Paris.
Mayfield	Graves	364	26	63.0	+ 2.5	89	12	32	7	35	2.30	−0.64	1.11	0	6	17	7	7	s.	Mrs. C. R. Sowell.
Murray	Calloway	412	9	.....	.....	91	13	.....	.....	.....	2.85	.....	1.51	0	6	19	2	10	s.	Harry B. Arnold
Owensboro	Daviess	479	38	59.1	+ 0.4	87	13	31	25	36	3.54	+0.22	1.34	0	8	19	3	9	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	7	.....	.....	.....	.....	.....	.....	.....	3.40	.....	0.92	0	14	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	516	18	.....	.....	.....	.....	.....	.....	.....	2.50	−0.38	0.70	0	12	13	6	12	.....	C. J. Rhodes.
Paducah (near)	McCracken	341	46	.....	.....	.....	.....	.....	.....	.....	3.59	−0.06	1.74	0	7	.....	.....	.....	.....	J. W. Lilley
Princeton	Caldwell	529	28	62.0	+ 2.8	90	13	32	7	39	2.99	+0.05	1.22	0	9	14	7	10	s.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	384	18	.....	.....	.....	.....	.....	.....	.....	2.84	−0.41	0.64	0	11	.....	.....	.....	.....	Lockmaster.
¶Russellville	Logan	590	24	59.5	+ 0.1	88	13	26	7	42	1.27	−1.61	0.59	0	8	19	5	7	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	7	.....	.....	.....	.....	.....	.....	.....	2.74	.....	0.60	0	14	.....	.....	.....	.....	Lockmaster.
Central Division.																					
Addison, Dam 45	Breckinridge	352	7	.....	.....	.....	.....	.....	.....	.....	1.99‡	.....	0.84	0	8	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	31	57.4	+ 0.7	88	13	26	21	40	2.35	−0.50	1.12	0	5	19	7	5	sw.	C. E. Barret.
Bardstown	Nelson	637	38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	46	61.2	+ 1.3	85	13	31	7	34	1.56	−1.35	0.61	0	9	17	4	10	w.	Mrs. Lillie G Causey.
Bowling Green, No. 2	Warren	469	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lockmaster.
Brownsville, Lock 6	Edmonson	420	18	.....	.....	.....	.....	.....	.....	.....	1.84	−1.76	0.68	0	9	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	44	.....	.....	.....	.....	.....	.....	.....	1.71	−1.13	1.05	0	6	.....	.....	.....	.....	T. A. Lewis
Carrollton, Lock 1	Carroll	480	36	.....	.....	.....	.....	.....	.....	.....	1.73	−1.03	0.83	0	4	.....	.....	.....	.....	Lockmaster.
Cold Spring, Dam 36	Campbell	489	9	.....	.....	.....	.....	.....	.....	.....	2.03	.....	0.86	0	8	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	540	2	57.8	.....	87	13	27	7	35	2.00	+0.08	0.89	0	9	15	9	7	sw.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	7	60.8	+ 2.0	87	16	31	7	39	4.72	−1.26	1.68	0	4	18	7	6	sw.	C. W. Williams.
Eubank	Pulaski	1177	41	59.1	+ 2.1	84	17	23	6	39	1.70	−1.14	0.80	0	4	22	0	9	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	43	58.4	+ 1.0	88	13	29	7	40	2.76	+0.26	1.20	0	10	15	6	10	w.	Lockmaster.
Franklin	Simpson	691	40	61.8	+ 1.3	91	13	29	7	42	1.16	−.43	0.57	0	6	15	11	5	s.	Marcus Gatewood.
Gest, Lock 3	Henry	490	24	.....	.....	.....	.....	.....	.....	.....	2.31	−0.85	1.31	0	5	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	780	9	59.0	.....	85	11†	30	7	40	2.20	.....	1.33	0	6	23	2	6	s.	P. L. Beatty.
Grant, Dam 38	Boone	780	10	.....	.....	.....	.....	.....	.....	.....	1.91	−0.54	0.93	0	7	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	42	57.0	− 0.1	89	13	23	7	39	3.73	−0.75	1.49	0	12	5	3	23	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	33	.....	.....	.....	.....	.....	.....	.....	1.99	−0.84	1.12	0	7	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	37	59.6	+ 2.4	86	13	31	7	31	1.78	−1.21	0.67	0	9	13	9	9	sw.	W. J. Piggott
Lancaster	Garrard	1032	9	.....	.....	.....	.....	.....	.....	.....	1.91	−1.57	0.95	0	8	.....	.....	.....	.....	Walter Killion.
Leitchfield	Grayson	635	39	60.5	+ 2.0	88	13	29	7	38	2.41	−0.81	0.65	0	9	13	10	8	sw.	H. H. Willis.
Lexington	Fayette	989	51	58.1	+ 0.7	88	13	31	7	36	2.81	+0.22	1.27	0	11	20	5	6	sw.	U. S. Weather Bureau.
Little Pickman, Lock 8	Jessamine	560	21	.....	.....	.....	.....	.....	.....	.....	2.11	−0.84	1.05	0	5	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	25	.....	.....	.....	.....	.....	.....	.....	2.53	−0.57	1.53	0	5	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	525	62	60.0	+ 0.7	86	13	35	6	32	1.96	−0.69	0.83	0	11	12	13	6	s.	U. S. Weather Bureau.
Mammoth Cave	Edmonson	.....	.....	58.8	.....	88	14	25	7	42	1.43	.....	0.70	0	10	21	2	8	w.	Ivan J. Ellsworth.
St. Joan	Hardin	777	39	.....	.....	.....	.....	30	7	35	1.68	−1.42	0.40	0	8	20	4	7	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	21	.....	.....	.....	.....	.....	.....	.....	2.26	−0.57	1.26	0	3	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	46	59.3	+ 2.1	90	13	30	7	39	1.98	−0.73	0.80	0	10	14	1	16	s	Miss Ruth Ratta.
Taylorsville	Spencer	489	33	56.1	− 0.1	83	15	25	7	34	1.87	−1.23	0.88	0	7	15	9	7	.....	Elizabeth J. Bourne.
Tyrone, Lock 5	Anderson	524	17	.....	.....	.....	.....	.....	.....	.....	3.89	+0.41	1.29	0	7	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	32	61.1	+ 4.2	91	13	31	4†	42	1.98	−0.98	0.68	0	9	15	7	9	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	18	.....	.....	.....	.....	.....	.....	.....	2.87	0.61	1.62	0	11	.....	.....	.....	.....	Lockmaster.
Eastern Division.																					
Annville	Jackson	.....	4	.....	.....	.....	.....	.....	.....	.....	2.58	.....	0.97	0	8	13	9	9	sw.	W. A. Worthington.
Ashland	Boyd	534	16	58.6	+ 0.7	86	14	31	7	39	2.67	0.60	0.77	0	10	18	4	9	w.	Lockmaster.
Berea	Madison	1050	30	*58.6	0.0	83a	12†	27a	6	29a	2.16	−0.75	0.55	0	10	12	8	11	sw.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	25	.....	.....	.....	.....	.....	.....	.....	1.96	−1.18	0.60	0	9	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	17	.....	.....	.....	.....	.....	.....	.....	2.77	+0.11	1.30	0	6	.....	.....	.....	.....	F. H. Kehoe.
Falmouth	Pendleton	600	46	.....	.....	.....	.....	.....	.....	.....	2.04	−0.37	0.95	0	11	.....	.....	.....	.....	J. V. Oldham.
Farmers	Rowan	668	27	56.6	+ 0.1	89b	12†	22b	7	45†	2.48	−0.52	1.16	0	7	14	8	9	e.	Mrs. P. P. Stamper.
Glenmoore	Fleming	841	10	.....	.....	.....	.....	.....	.....	.....	2.82	+0.48	1.30	0	7	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	837	19	.....	.....	.....	.....	.....	.....	.....	1.84	−0.88	0.80	0	8	.....	.....	.....	.....	Lockmaster.
Greenup, Dam 30	Greenup	540	15	.....	.....	.....	.....	.....	.....	.....	2.84	+1.08	1.12	0	11	.....	.....	.....	.....	Lockmaster.
Harlan	Harlan	1197	7	58.2	.....	83	13	24	7	38	2.70	.....	1.24	0	5	13	13	5	s.	W. W. Duffield.
Hazard	Perry	869	11	.....	.....	.....	.....	.....	.....	.....	2.63	0.41	0.99	0	7	.....	.....	.....	.....	Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	663	18	57.8	.....	81	11†	28	7	43	3.18	+0.14	0.88	0	9	12	7	12	e.	Lockmaster.
Jackson	Breathitt	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.40	.....	2.36	0	2	.....	.....	.....	.....	Jas. T. Goff.
Jamestown	Letcher	1566	11	.....	.....	.....	.....	.....	.....	.....	2.72	+0.21	1.48	0	9	.....	.....	.....	.....	R. B. Davidson.
Louisa	Lawrence	584	31	.....	.....	.....	.....	.....	.....	.....	2.51	−0.32	0.80	0	8	.....	.....	.....	.....	Lockmaster.
Manchester	Clay	.....	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leander H. White.
Maysville	Mason	521	38	57.8	+ 0.4	89	13†	30	24	46	4.43	+1.86	1.81	0	11	13	10	8	s.	Lockmaster.
Middlesboro	Bell	1125	39	.....	.....	84*	18	.....	.....	.....	1.17	−1.14	0.25	0	4	18	15	1	e.	Matthew Woodson
Mount Sterling	Montgomery	890	45	59.0	− 0.2	89†	13	30†	4	39†	2.84	0.04	1.52	0	7	.....	.....	.....	.....	W. K. McKee.
Oneonta, Dam 39	Campbell	497	8	.....	.....	.....	.....	.....	.....	.....	1.51	−0.41	0.62	0	7	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	567	1	.....	.....	.....	.....	.....	.....	.....	3.01	.....	0.90	0	10	.....	.....	.....	.....	Manuel Robinson.
Pikeville	Pike	683	29	59.2	.....	87	13	29	7	41	2.28	−0.51	1.36	0	9	16	3	12	e.	Robert Pepess
Pine Mountain	Harlan	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.36	.....	1.20	0	9	15	0	16	.....	August D. Angel.
Pippapass	Knott	1035	1	59.6	.....	89	13	25	7	43	3.22	.....	1.10	0	8	17	1	13	.....	Caney Run Com. Cen.
Quicksand	Breathitt	723	9	*57.2	− 0.4	89a	13	26a	7	46a	3.24	0.23	1.65	0	6	.....	.....	.....	.....	H. W. Jones.
Ravenna, Lock 12	Estill	631	17	.....	.....	.....	.....	.....	.....	.....	2.36	−0.53	0.67	0	9	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	44	60.3	+ 1.3	90	14	30	7	40	1.62	−1.05	0.75	0	6	15	1	15	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	22	.....	.....	.....	.....	.....	.....	.....	2.70	+0.49	1.60	0	6	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	20	.....	.....	.....	.....	.....	.....	.....	3.56	+0.85	1.82	0	11	.....	.....	.....	.....	Lockmaster.
Whitesburg	Letcher	1142	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. H. Zimmerman.
Williamsburg	Whitley	920	38	61.2	+ 1.7	91	13	25	7	46	2.09	−0.54	1.25	0	4	20	7	4	.....	H. F. Davis.
Worthville, Lock 13	Lee	646	16	.....	.....	.....	.....	.....	.....	.....	2.21	−0.81	0.90	0	8	.....	.....	.....	.....	Lockmaster.
State averages and extremes				59.5	+ 1.3	91	12†	2†	8	46	2.51	−0.21	2.50	0	8	15	7	9	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have 10 or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, *, †, ‡, appearing in the table indicate number of days missing; for example, a represents two days, etc.

a Also on other dates. b Received too late to be included in means and summaries. † Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

¶Post-office address is Lock 3, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky.

Daily Precipitation for October, 1935.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Calhoun	G				.05			T		.08				.06				.02	.41	T	.48	.52	.18			T	.56					2.06
Earlington	G				.60					.07									.14		.05	1	.14				.49					1.90
Fords Ferry Dam 50	O				T	.01		T		.14	T			T	.28			.07	.2	.35	.15	.38	.16				.44					1.77
Greenville	G				.10													.28				.20										.48
Henderson	O				.06													.12			.19	.21	.32	.04	.17	.22	.12					1.19
Hopkinsville	C				T	.01				.18					T			.19	.12		.42	.1										1.52
Lowisville	M								.20					2.50				.22	1.28		.18	.80	1									4.18
Marion	O																															0.00
Maynard	M																															0.00
Murray	F				.06			T		T				T				T	.30		.28	.34	.04			T	1.10					2.32
Owensboro	O				T			T		T				1.51				T	.16	T	.28	.44	.42									2.30
Owensboro, Dam 46	O				.09									.04				.24	.44		.02	.28	.19			T	1.24					2.30
Paducah	O				T	.10		T	.01	.03	T			.12	.02			.12	.21	.32	.04	.17	.22	.12				.54				1.84
Paducah (near)	O				T	T			.03	.14				.02	.11			.12	.76	.36	.12	.15	.52	.11				.42	T			2.30
Princeton	G									.18					.44				1.74		.18	.03				.15		.5				2.60
Ramsey, Lock No. 2	G				.08		T		T	.06				1.22				T	.27	.01	.34	.16	.11			T	.55					2.83
Russellville	G					.03				.08					.16				.50	.22	.26	.64	.06	.15				.40	.26			2.84
Uniontown, Dam 49	O					.01				.02				.05					.13			.16	.44				.5					2.81
Central Division					.02	.12	T		.06	.05					.02			.01	.02	.6	.16	.11	.21	.51				.18	.02			2.74
Addison, Dam 45	O				T	.08				.04								T	T	.2	.81	.23	.49	.16				.41				1.80
Anchorage	O																															0.00
Bardstown	S									T									.23	T	1.12	.04						.02	.04			1.45
Bowling Green	G					.05																										0.00
Bowling Green, No. 2	G									.02					.30				.02		.02	.01	.01					.32	.18			1.56
Brownsville, Lock No. 6	G																															0.00
Burnside	S		.05			.03				.07					.28				.16	.05		.78	.01	.04				.32	.21			1.34
Carrollton (Lock No. 1)	K														.28	T.	T.					.15		.15								1.71
Cold Spring, Dam 36	O	.12		.06							T.	T			T			T	.05			.42	.16					.52				1.53
Danville	K	.05			.01				T					.06				T	.17	T.	.04	.31	.46					.80	.01			2.10
Dix Dam, Burgin	K																	.04	T		.58	.62	.32			.85	.11					2.72
Eubank	S																					.50	.42			1.88						1.72
Frankfort	K	.04				.05																.25	.36				.57	.80				2.76
Franklin	G														.07				.08	.06	1.11	.05	.04				1.21					2.56
Gest, Lock No. 3	K	.11								.02				.58							.11	.04	.04				.37					1.16
Glasgow	G																			T.	T.		.80	.03	T			.04	.21			1.08
Grnal, Dam 34	O	.04		.08										.30				.10		.28	.11	.68					1.53					2.20
Greensburg	G				.05						T							.17	.05	T.		.36						.94				1.60
High Bridge, Lock No. 7	K	T	.02			.02				.02				.06	.19			.86	.13	.02	.45	.16	.31				1.48					3.73
Irvington	O				.12					.16	T.								.02	.03		.67	T.	.12				1.12				1.99
Lancaster	K	.10																.07	.06		.54	.01	.09				.67	.08				1.73
Leitchfield	G				.07									.57				.08		.07	.26	.01	.12				.95					1.91
Lexington	K	.06	T.		.04				.02					.06	.02			T.	.30		.62	.6	.15				.51					2.41
Little Hickman, Lock No. 8	K	.12												.05				.60	.08	.16	.95	.01	.16				1.01	.26				2.81
Lockport, Lock No. 2	K																		T.	.06		.81	T	.08				1.05				2.11
Louisville	O				.07														.06	.12		.72	.10				1.55					2.53
Mammoth Cave	G					.05				T.				.01				.06	.22	.01	.83	.5	.04				.12	.26				1.86
Mt. Johns	S									.01	T.			.04	.10			T.	.13		.01	.70	.08	T.			.68	.27				1.43
Salvisa, Lock No 6	K	T								T.				.22					.20	.10		.40	.21	.16				.37				1.68
Shelbyville	S	.01			.01										T.			T.	T.			.86	T.	.20			T	1.20				2.26
Taylorsville	S		T.		.01									.04				.04	.12	.01	.56	.11	.05				.80	.52				1.86
Tyrone, Lock No. 5	G													.04				.08	.11		.58	.05	T.				.63					1.87
Williamstown	L	.11			.02	.13									.68				T.	.18	.83	.14	.17					1.25				3.30
Woodbury, Lock No. 4	G																	.39	.05		.49	.03	.05				.68	.18				1.98
Eastern Division						.04				.01	T.			.17	1.62				.13	T.	.01	.59	.02	.03				.35	.05			2.87
Annville	C		.16												.04	.05				.16		.68	.15	.37					.97				2.58
Ashland	O		.51			.05									.33				.12		.11	.71	.17	.21				.88	.08			2.67
Berea	K	.22			.20										.04			.15	.12		.46	.62	.37				.55	.13				2.16
College Hill, Lock No. 11	K		.15		.02										.03	.40			.12	.10		.45		.10					.60			1.97
Cynthiana	L	.22	T.			T.									.05							1.30	.35					.82	.03			2.77
Falmouth	L	.15		.01		T.		T.			.05							.05	.23	.02	.09	.51	.29	.01			T.	.65	T.			2.04
Farmers	L		.31						.03		1.16	.09	.06																			2.48
Flemingsburg	L					.32													.02		.12	1.30	.18				.78	.02				2.42
Ford, Lock No. 10	K		.01																			.83	.04				.81	.04				2.82
Greenup, Dam 30	O		.30			.05					T.				.02		T.		.12	T.	.03	.67	.01	.14				.86				1.81
Harlan	K		.10		.20						.44				.14				.06	T.	.11	1.12	.71	.10			F.	.71	.10			3.84
Hazard	K		.17												.56									.17					.23			2.70
Heidelberg, Lock No. 14	K		.09			T.									.60				.06		.35		.11	.55				.95				2.66
Jackson	K													T.	.57				.12	.05	.54	.41	.22	.20				.88				3.18
Jenkins	B		.09			.03						T.									T.		.10				2.30					2.49
Louisa	B			.33			.04							1.18	.03				.04		.11		.53	.19				1.22				3.72
Manchester	K										.27				.10						.19	.38		.40				.80				2.51
Maysville	O																															0.00
Middlesboro	C	.01	.35	.01		.04				T									.16	.62	1.08	1.81	.18	.03				.74	.62			4.43
Mount Sterling	L	.11																				.13					1.20	.08				1.47
Oneonta Dam 35	O	.15		.06		T												T	.01	T.	1.52	.28	.16				.71	.02			2.84
Paintsville	K		.14			.02												T	.20		.04	.25	.18	T.				.63	T.			1.51
Pikeville	K	.06			.04										.02				.11	.01	.85	.39	.03	.42				.90				3.01
Pine Mountain	K	.12			.01	.01												.02	.08	.16	.95	.01	.16				1.01	.26	T		2.81
Pippapass	K	.14			T.													T.	.24		.05	.66					1.20	.16				3.30
Quicksand	K					.76										.05			.05	.05	T.	.91	.01				1.10	.21				3.22
Ravenna, Lock No. 12	K		.25		.05						T.					.05			.18		.45	.20					1.63					3.21
Richmond	K		.12											T.	.42				.05	.10	.11	.48	T.	.2				.57				2.36
Valley View, Lock No. 9	K													T.					.05			.50	.05	.15				.75				1.82
Vanceburg, Dam No. 32	O		.31	.03		.16													.04	.03	T.	.73		.14			1.60					2.70
Whitesburg	K					.03													.05		.12	.01	1.82	.39	.05				.05	.12			3.56
Williamsburg	O																															0.00
Willow, Lock No. 13	K	.08												.71										.05	.08			1.25					2.09
														.46				.12	.08	.38	.38	.12					.90	T				2.21

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak. §10.10.

Daily Temperatures for October, 1935.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division																																	
Calhoun	Maximum	71	70	75	68	57	57	66	68	77	77	82	86	88	82	83	86	88	78	71	60	74	72	68	62	71	74	69	63	72	82	87	74.1
	Minimum	53	30	43	56	36	33	30	48	40	55	45	52	58	64	66	66	65	63	62	57	58	62	47	55	56	44	47	52	53	46	56	49.8
Earlington	Maximum	71	72	76	68	58	57	64	73	77	78	83	88	89	82	85	86	83	79	73	76	74	72	67	59	70	74	71	65	72	81	86	74.3
	Minimum	55	36	48	53	36	35	36	37	38	55	49	52	55	57	58	55	46	46	48	55	49	49	48	50	52	42	43	50	52	49	50	49.1
Greenville	Maximum	70	70	76	65	60	57	69	75	79	78	84	89	90	83	84	89	90	83	78	78	80	71	72	67	63	63	74	72	69	70	82	83	74.5
	Minimum	50	33	43	55	32	32	34	41	51	52	48	50	60	62	55	54	53	62	55	54	55	58	48	50	48	39	42	46	46	41	48	46.0
Henderson	Maximum	75	72	78	65	49	47	66	72	78	80	86	84	90	91	89	88	82	76	77	82	78	72	72	68	71	70	73	64	76	82	85	76.5
	Minimum	50	56	48	52	38	32	38	47	43	54	48	51	53	64	67	54	59	62	59	58	57	58	56	48	51	46	48	52	53	47	47	48.6
Hopkinsville	Maximum	69	71	76	71	54	60	66	68	75	76	83	87	88	81	84	86	83	76	72	76	74	69	64	61	71	76	71	64	73	80	83	73.6
	Minimum	52	35	44	45	30	34	39	46	48	51	49	53	63	63	56	58	62	61	61	56	56	60	47	44	53	42	42	53	44	44	61	48.5
Lovelaceville	Maximum	69	73	76	74	58	55	63	72	73	72	81	88	88	83	86	86	82	74	69	77	74	81	68	60	73	68	62	72	81	82	84	74.5
	Minimum	66	32	40	51	37	34	25	35	39	56	49	54	51	58	54	58	62	62	62	60	54	62	47	54	51	40	46	52	40	42	60	47.3
Marion	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Mayfield	Maximum	72	75	78	72	58	57	67	72	77	77	86	89	87	85	87	89	84	77	69	78	80	77	76	69	74	69	71	68	67	78	80	84	75.4
	Minimum	55	39	46	58	38	36	32	38	45	57	53	55	63	64	67	52	64	64	62	64	64	62	44	46	47	44	45	53	45	46	55	50.6
Murray	Maximum	68	73	76	70	53	49	63	68	77	77	85	90	91	84	85	89	84	75	72	81	77	77	69	61	71	67	68	67	74	83	85	73.0
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Owensboro	Maximum	64	68	72	56	56	55	62	73	74	74	80	85	87	81	79	81	83	70	71	80	75	71	70	67	71	67	64	59	77	83	84	71.2
	Minimum	38	33	46	32	33	32	32	46	37	43	52	51	52	60	61	52	54	57	54	55	54	56	44	45	52	41	45	51	53	54	57	47.0
Princeton	Maximum	67	73	76	65	55	58	65	73	76	78	84	89	89	84	85	89	84	77	74	78	78	76	74	68	73	70	71	68	74	82	84	74.6
	Minimum	54	36	45	46	41	34	32	36	40	56	51	55	62	58	58	65	64	63	60	58	58	58	47	50	48	46	46	52	48	45	53	49.8
Russellville	Maximum	69	73	76	69	56	56	65	73	76	78	84	89	89	84	85	89	84	77	74	78	78	76	74	68	73	70	71	68	74	82	84	74.6
	Minimum	50	34	37	37	38	34	26	38	43	51	50	53	54	61	59	57	56	58	60	56	54	63	49	47	46	45	45	51	47	44	45	48.5
Central Division																																	
Auburndale	Maximum	64	66	71	58	50	55	59	66	75	72	70	88	88	82	85	90	85	82	74	65	82	71	72	66	68	72	70	77	67	71	77	84	71.9
	Minimum	39	36	43	28	30	28	34	41	46	42	45	46	52	60	57	56	58	62	61	57	51	51	53	46	52	42	39	53	43	42	48	43.0
Bardstown	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Bowling Green	Maximum	70	70	76	71	48	45	62	67	75	77	82	88	88	76	76	83	80	73	74	76	74	72	67	59	70	74	71	65	72	81	86	73.0
	Minimum	53	40	48	41	38	37	31	37	38	50	54	57	62	65	60	58	55	54	53	52	54	54	41	39	52	43	41	49	44	43	50	48.3
Danville	Maximum	65	66	78	69	51	51	61	66	69	74	78	82	84	87	86	88	84	82	80	84	76	76	74	68	73	70	71	67	71	80	83	74.1
	Minimum	38	36	42	38	29	26	27	27	37	41	44	49	51	58	59	46	52	56	54	58	50	50	48	46	49	46	46	47	44	44	45	44.7
Dix Dam	Maximum	72	69	74	69	71	61	62	72	75	76	79	85	87	82	83	87	83	77	73	77	77	74	73	69	72	70	71	67	71	77	80	74.7
	Minimum	50	35	51	56	42	36	34	39	39	41	46	53	56	58	56	54	56	58	58	56	54	56	52	48	50	49	48	50	48	46	49	48.9
Eubank	Maximum	73	70	73	68	56	55	58	55	71	73	80	78	79	82	80	80	81	79	80	81	80	79	74	69	73	71	72	69	73	77	83	75.9
	Minimum	38	40	37	38	28	29	31	34	32	41	46	50	51	56	54	52	53	54	55	54	51	51	49	51	51	51	50	51	52	53	55	51.9
Frankfort	Maximum	69	69	74	67	53	48	63	68	74	76	81	86	87	83	84	86	84	77	74	78	78	76	74	68	73	70	71	67	73	80	83	74.9
	Minimum	49	37	44	38	33	29	27	37	38	48	48	52	52	59	56	54	55	56	54	54	52	52	49	46	50	46	45	48	46	45	48	46.8
Franklin	Maximum	71	74	79	70	66	66	66	69	70	79	85	88	86	86	87	89	85	82	78	82	82	78	76	73	76	74	73	70	74	82	86	77.6
	Minimum	39	37	42	37	36	35	29	43	46	49	52	52	56	65	60	56	56	60	58	58	55	55	51	49	52	49	48	51	50	49	52	49.6
Glasgow	Maximum	67	67	69	67	51	50	65	68	68	72	78	82	84	82	82	84	82	76	72	76	76	74	72	68	71	68	69	66	71	78	82	73.5
	Minimum	41	44	37	38	34	34	30	36	38	51	50	52	56	55	60	55	54	52	50	54	52	50	47	44	48	45	44	47	45	44	47	46.1
Greensburg	Maximum	68	72	69	67	53	49	62	68	72	77	84	85	89	76	71	82	77	74	74	78	78	76	74	69	73	72	72	69	74	81	84	74.2
	Minimum	42	31	43	31	30	32	28	36	41	45	48	46	54	61	62	46	49	54	54	54	53	52	48	44	48	44	43	46	44	42	46	45.0
Irvington	Maximum	64	64	72	64	49	53	62	67	72	74	79	85	86	77	80	86	86	77	77	81	79	77	75	69	75	73	73	69	75	82	84	75.6
	Minimum	56	35	50	55	34	33	31	35	44	52	50	55	62	62	60	59	62	62	61	60	58	58	56	54	56	54	53	52	56	57	58	52.9
Leitchfield	Maximum	68	71	75	66	59	56	64	68	75	78	84	88	88	80	83	86	84	77	76	80	80	77	76	69	75	73	73	69	74	81	84	75.6
	Minimum	50	35	48	49	39	42	39	44	50	54	55	57	62	64	62	58	58	62	60	58	56	56	54	52	54	52	51	50	52	53	54	51.6
Lexington	Maximum	65	68	68	68	50	55	62	71	75	68	80	82	88	76	79	84	82	76	74	80	77	74	72	67	73	72	72	69	73	78	81	74.6
	Minimum	44	35	50	52	33	33	31	30	41	46	50	50	56	58	60	48	50	59	56	54	52	52	46	44	48	45	44	46	43	43	45	46.1
Louisville	Maximum	66	66	73	66	51	54	62	68	73	72	78	81	86	78	78	82	79	75	72	78	78	76	74	68	73	72	72	69	74	80	83	73.8
	Minimum	50	42	47	48	40	36	36	47	47	54	54	56	62	64	62	58	58	62	60	58	56	56	54	52	54	52	52	50	52	52	54	50.2
Mammoth Cave	Maximum	68	71	74	71	49	53	62	67	74	74	79	83	85	77	80	84	84	77	76	80	80	77	76	69	74	73	73	69	74	81	84	75.6
	Minimum	51	39	45	52	36	33	25	41	48	50	49	52	54	61	56	55	58	60	58	56	54	54	52	50	52	50	50	48	50	51	52	47.9
Mayfield	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
St. Joseph	Maximum	47	51	45	42	41	36	36	36	36	41	46	50	48	52	56	60	54	52	56	55	58	56	54	52	55	58	56	48	48	48	45	48.5
	Minimum	36	34	37	32	32	32	32	32	32	36	38	42	42	46	48	46	46	48	48	46	46	46	44	42	44	42	42	42	42	42	42	42.1
Shelbyville	Maximum	66	66	74	68	56	56	62	68	77	77	82	86	87	80	83	87	84	77	76	80	80	77	76	69	75	73	73	69	74	81	84	75.6
	Minimum	50	35	48	49	39	42	39	44	50	54	55	57	62	64	62	58	58	62	60	58	56	56	54	52	54	52	51	50	52	53	54	51.6
Taylorsville	Maximum	67	68	72	66	50	53	58	66	70	71	79	85	86	78	80	84	82	76	74	78	78	76	74	68	73	72	72	69	73	79	82	73.8
	Minimum	46	33	46	42	31	30	26	37	37	48	46	49	48	52	52	48	50	50	52	52	50	50	48	46	48	45	44	46	44	43	45	46.0
Williamstown	Maximum	72	71	75	73	61	60	66	74	80	78	84	90	90	84	84	88	86	82	79	82	82	79	78	72	77	76	75	72	77	83	86	77.2
	Minimum	52	36	49	51	31	32	31	36	38	45	48	46	54	61	58	56	61	58	59	61	58	58	56	54	56	54	53	52	56	57	58	52.1
Eastern Division																																	
Ashland	Maximum	69	66	75	69	53	54	58	61	70	71	80	73	65	66	72	75	74	84	73	73	76	78	80	78	76	77	77	76	76	78	77	76.9
	Minimum	48	30	51	57	35	36	31	30	37	40	47	49	51	52	45	53	53	52	51	50	51	54	54	54	52	54	54	52	50	50	51	46.1
Beattyville	Maximum	65	60	74	71	50	50	56	70	72	70	79	83	82	74	77	80	77	74	71	74	75	74	74	71	73	72	72	71	73	77	79	74.0
	Minimum	36	32	40	43	31	27	28	45	46	48	48	50	52	54	52	50	50	50	50	50	50	50	48	46	48	46	46	46	46	46	46	44.9
Berea	Maximum	66	66	74	71	51	52	58	65	74	74	81	84	84	76	78	82	80	76	74	77	77	76	74	70	74	73	73	70	74	80	83	75.4
	Minimum	36	32	40	43	31	27	28	45	46	48	48	50	52	54	52	50	50	50	50	50	50	50	48	46	48	46	46	46	46	46	46	44.9
Farmers	Maximum	66	66	74	71	50	50	56	70	72	70	79	83	82	74	77	80	77	74	71	74	75	74	74	71	73	72	72	71	73	77	79	74.0
	Minimum	36	32	40	43	31	27	28	45	46	48	48	50	52	54	52	50	50	50	50	50	50	50	48	46	48	46	46	46	46	46	46	44.9
Harlan	Maximum	72	74	74	68	64	58	63	67	73	70	78	80	82	82	80	82	80	78	77	78	78	78	78	74	74	74	74	74	74	76	78	76.0
	Minimum	58	38	56	57	38	41	34	54	55	57	41	47	51	49	50	48	47	52	50	48	47	52	50	48	48	44	44	44	44	46	44	49.6
Heidelberg	Maximum	64	67	76	61	52	56	60	70	72	67	74	77	85	81	77	82	81	77	74	77	77	74	73	71	73	71	71	69	72	76	78	74.0
	Minimum	34	30	39	39	32	28	30	36	38	44	44	46	48	50	48	46	46	48	46	46	46	46	44	42	44	42	42	42	42	42	42	42.1
Maysville	Maximum	64	68	72	69	51	53	60	67	71	74	79	83	84	77	80	84	82	76	74	78	78	76	74	70	74	73	73	70	74	80	83	74.9
	Minimum	38	38	46	51	35	34	30	40	43	50	50	52	54	56	54	52	52	54	52	52	52	52	50	48	50	48	48	48	48	48	48	47.0
Middlesboro	Maximum	73	67	78	72	66	66	63	67	71	74	...	82	84	84	86	82	79	77	74	77	77	74	72	67	71	69	69	67	71	77	78	73.1
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Monte Sterling	Maximum	70	66	72	75	66	61	...	...	...	...	...	...	...	89	88	87	84	85	83	77	78	74	80	67	75	68	64	70	78	83	86	77.5
	Minimum	58	34	57	56	43	44	39	46	48	52	54	56	58	67	66	64	62	62	60	58	58	58	56	54	56	54	53	52	56	57	58	53.7
Mount Sterling	Maximum	73	68	74	68	66	64	63	70	75	76	83	82	82	85	77	82	84	77	77	78	78	76	76	71	73	72	72	70	74	79	82	75.3
	Minimum	43	41	46	39	33	40	29	38	42	42	48	48	50	52	48	46	46	46	46	46	46	46	44	42	44	42	42	42	42	42	42	44.6
Pikeville	Maximum	66	70	75	74	62	57	65	74	76	76	82	86	88	83	86	86	84	82	79	80	79	78	78	74	76	74	74	73	76	78	80	76.8
	Minimum	42	36	44	46	33	40	35	38	38	49	49	49	50	52	50	48	48	48	48	48	48	48	46	44	46	44	44	44	44	44	44	44.5
Pineville	Maximum	76	76	77	74	62	57	65	74	76	76	82	86	86	84	86	86	84	82	80	82	82	80	80	78	80	78	78	76	78	82	84	78.8
	Minimum	42	36	44	46	33	40	35	38	38	49	49	49	50	52	50	48	48	48	48	48	48	48	46	44	46	44	44	44	44	44	44	44.5
Quicksand	Maximum	65	68	75	68	58	54	62	68	73	74	80	84	84	80	82	84	82	78	76	78	78	76	76	72	74	72	72	70	74	78	80	75.0
	Minimum	40	38	40	34	32	34	29	35	36	46	44	46	48	48	48	46	46	46	46	46	46	46	44	42	44	42	42	42	42	42	42	42.1
Richmond	Maximum	68	68	74	68	52	54	60	68	74	74	80	84	84	78	80	84	82	76	74	78	78	76	74	70	74	72	72	70	74	80	82	74.6
	Minimum	38	38	46	35	29	32	30	38	38	50	48	50	52	54	52	50	50	50	50	50	50	50	48	46	48	46	46	46	46	46	46	45.6
Williamsburg	Maximum	74	73	80	74	64	64	70	76	78	80	85	91	92	86	88	90	88	84	82	84	84	82	82	78	80	78	78	76	80	84	86	80.1
	Minimum	42	34	41	42	34	39	27	34	34	43	45	46	48	49	51	50	48	48	48	48	48	48	46	44	46	44	44	44	44	44	44	44.2

‡ Instrument was read in the morning; the maximum temperature shown read is correct for the previous [illegible]

* Estimated or [illegible] respectively. † [illegible] missing from record.

W. B. O. Lemmel in charge.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XI. LOUISVILLE, KY., NOVEMBER, 1935. NO. 11

GENERAL SUMMARY.

High temperatures and moderate to heavy showers in the first half of the month caused marked improvement in autumn vegetation. Grains that had been sown late in dry and improperly pulverized soil started into rapid and vigorous growth. These late seedings had just come up at the beginning of the month, and needed a long period of favorable weather in which to make preparations for the winter. In the decade of abnormally high temperature, when growth was rapid, and another ten days with moderate warmth that permitted slow advancement, the most backward wheat, rye, and barley made sufficient progress to give the fields a green appearance. Some of the early sown grain reached the usual size for entering winter, but most of the acreage consisted of undersized plants when the hard freezes of the last week practically stopped its development. The unusual lack of sunshine was the most unfavorable feature during this period.

Precipitation occurred frequently in light to moderate amounts, which were often extended into long continued drizzles. The character of the rainfall, together with the persistent cloudiness, rendered most of the month too damp for shocked corn, and particularly unfavorable for the soft and partly frosted corn that had been cut late in the preceding month. The state of this corn induced early gathering, which was pushed as rapidly as possible in muddy fields and moist weather. As a result much corn was cribbed with its moisture content too high for satisfactory keeping. In the last decade several days with strong drying winds improved its condition both in shock and crib. The weather favored tobacco stripping, which progressed exceptionally well for this early stage of the work. Rye and grass pastures developed to a condition where some grazing was possible for two weeks or more. Abnormal cold near the end stopped their growth and increased feeding requirements.

TEMPERATURE.

Although the temperature averaged near normal, there were many sharp changes. The warmest weather occurred in the periods 1st-4th and 9-11th, when daily means ranged from 6° to 20° above normal and maxima reached 80° at some stations. In the short cold spells of the 22d-24th and 29-5 th minimum temperatures of 15° to 20° occurred quite generally. Extremes for the State were 85° at several stations from the 1st to 4th, and 11° at Farmers on the 24th.

PRECIPITATION.

Precipitation averaged slightly above normal, but varied considerably in distribution over the State. It was fairly heavy in the central and southeastern counties, where amounts ranged from 4.0 to 6.5 inches, with the wettest area in Bell and Harlan counties. From 2.0 to 3.0 inches occurred in most counties along the Ohio River. A broad belt south of the river counties received from 3.0 to 4.0 inches. Most of the rain fell in the period 6-13th, but local and irregular precipitation, which was heaviest in the southeastern counties, extended to the 20th. These rains finally overcame the local deficiencies in water supplies. Light to heavy rains occurred generally from the 27th to 29th. Snow flurries were reported from a few stations on the 29th. Precipitation for the State varied between 1.3 inches at Henderson and 6.62 inches at Harlan. Days with thunderstorms were: 9, 10, 11.

MISCELLANEOUS.

Rivers: The rains of the 10-13th caused some run-off that raised streams moderately, otherwise stages continued low.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure reduced to sea-level					Wind.			Relative humidity			
	Mean.	Highest.	Date.	Lowest.	Date.	Mean hourly velocity.	Maximum velocity.	Direction.	Date.	7 a. m.	2 p. m.	7 p. m.	Percentage of possible.
Cairo ..... Ill.	30.15	30.58	6	29.78	28	7.5	27	n.	28	86	64	79	69
Cincinnati ..... Ohio.	30.20	30.59	29	29.65	3	8.6	22	sw.	3	86	63	84	57
Evansville ..... Ind.	30.17	30.60	24	29.79	2	7.2	25	"	21	74	51	66	50
Louisville ..... Ky.	30.16	30.68	24	29.72	27	10.1	28	s.	4	81	71	69	27

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1899 ...	48.1	− 3.4	85	10	6.64	+2.77	7.80	3.76	...	...	...	...	...
1900 ...	48.6	+ 2.1	81	10	4.87	+1.16	7.79	1.75	...	...	...	...	...
1901 ...	46.5	− 3.0	78	16	6.04	+2.57	10.14	3.45	...	...	...	...	...
1902 ...	46.8	− 3.7	78	9	3.47	−0.08	6.46	0.25	...	...	...	...	...
1903 ...	44.3	− 5.2	79	2	3.32	−0.56	4.64	1.96	...	...	...	...	...
1904 ...	46.5	− 3.2	82	8	1.92	−2.07	3.78	0.35	...	4	...	...	...
1905 ...	46.8	− 0.7	85	15	4.23	+0.80	9.04	0.90	...	8	10	7	13
1906 ...	49.3	+ 2.8	84	11	7.43	+4.00	9.58	3.05	...	13	6	12	12
1907 ...	47.8	+ 1.3	78	15	3.43	+0.20	9.29	2.34	T	10	13	7	10
1908 ...	43.9	− 3.3	80	30	2.79	−0.48	4.42	1.51	0.5	8	12	8	11
1909 ...	49.8	+ 3.3	79	20	2.32	−1.35	3.97	0.88	T	8	11	11	12
1910 ...	47.0	+ 0.5	85	15	7.58	+4.31	11.06	4.51	1.6	15	6	15	9
1911 ...	46.8	+ 1.7	84	11	1.67	−1.05	2.41	0.76	T	4	19	7	6
1912 ...	53.4	+ 7.1	86	26	3.42	+0.56	5.66	2.60	3	10	11	9	13
1913 ...	42.5	− 4.0	81	3	2.61	−0.16	4.51	1.21	2.0	8	14	8	11
1914 ...	44.7	− 1.8	79	14	0.87	−2.05	3.56	0.11	T	5	21	4	5
1915 ...	40.4	− 6.1	79	14	3.55	+0.68	6.61	1.50	T	7	14	9	9
1916 ...	46.1	− 0.4	82	11	6.62	+1.55	12.66	2.12	3	7	18	6	11
1917 ...	44.2	− 2.3	73	15	3.49	+0.62	5.47	1.21	0.1	7	14	9	7
1918 ...	48.6	+ 2.1	80	8	2.61	−0.86	7.78	1.02	T	9	14	5	11
1919 ...	50.7	+ 5.2	86	10	2.26	−1.18	3.74	1.76	T	6	15	9	9
1920 ...	43.1	− 5.4	78	11	2.61	−1.43	4.29	1.09	T	6	16	5	6
1921 ...	44.6	− 3.9	75	9	4.51	−1.04	11.26	4.08	8	8	10	4	16
1922 ...	48.2	− 1.4	80	10	1.39	−2.26	2.20	0.52	2	4	16	5	9
1923 ...	49.5	+ 4.0	81	8	3.25	−0.22	6.61	0.80	2	12	7	11	12
1924 ...	45.9	+ 0.4	84	5	1.23	−2.08	2.45	0.36	1	5	15	5	8
1925 ...	49.8	+ 3.3	85	16	4.50	+1.35	8.05	2.50	4	9	15	7	8
1926 ...	45.8	+ 1.3	82	8	1.56	−1.66	2.40	0.85	T	4	20	4	6
1927 ...	43.3	− 2.2	73	14	1.93	−2.11	3.84	0.55	1	6	14	6	11
1928 ...	46.1	− 0.2	77	16	3.21	−0.35	5.28	1.44	T	6	14	5	11
1929 ...	47.4	+ 0.9	78	18	7.81	+4.33	10.33	4.71	T	10	13	6	10
1930 ...	44.7	− 1.8	73	13	2.31	−1.20	4.16	0.52	3	7	12	5	13
1931 ...	43.8	+ 2.3	79	20	5.75	+2.42	15.07	1.71	T	10	13	6	11
1932 ...	48.8	+ 4.7	87	20	3.58	+0.34	4.55	0.20	0.4	6	16	6	8
1933 ...	46.4	+ 2.1	82	20	3.45	+0.18	7.85	1.30	0.1	9	12	5	13
1934 ...	44.7	+ 1.0	83	13	3.13	+0.07	5.85	1.32	0.6	9	14	5	11
1935 ...	44.9	+ 1.3	85	11	4.50	+1.35	8.05	2.50	4	9	15	7	8
1936 ...	43.6	+ 0.6	78	15	3.66	+0.47	6.62	1.50	2	8	15	6	9
1937 ...	43.8	+ 1.2	77	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1938 ...	45.1	+ 2.7	80	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1939 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1940 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1941 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1942 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1943 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1944 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1945 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1946 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1947 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1948 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1949 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1950 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1951 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1952 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1953 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1954 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9
1955 ...	46.1	+ 3.7	81	15	3.61	+0.44	6.61	1.50	T	8	15	6	9

Climatological Data for November, 1935.

Stations	Counties	Elevation, feet	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																			
Calhoun	McLean	437	31	48.2	− 0.1	78	1	20	23	35	3.22	−0.26	0.98	0	14	2	11	17	ne.	W. A. Taylor.
Earlington	Hopkins	420	45	48.2	+ 0.2	80	4	17	23	35	3.59	−0.28	1.35	T.	10	7	5	18	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	6								4.97		2.99	0	13					Lockmaster.
Greenville	Muhlenburg	519	18	46.8	− 1.0	79	3†	17	24	35	3.49	−0.19	1.03	0	11	11	5	14	n.	C. R. Lovell.
Henderson	Henderson	382	21	48.0		78	4	28	30	40	1.83	−1.96	0.81	0	4	6	11	13	n.	Richard Stites
Hopkinsville	Christian	624	39	47.6	− 0.9	79	4	20	23	32	3.34	−0.66	1.05	0	10	10	0	20	n.	Blaine Malone.
Loyalsville	Ballard		6	46.4		80	3	16	23	37	2.52		0.75	0	8	10	4	16	n.	B. C. Paris.
Marion	Crittenden	571	36																	
Mayfield	Graves	364	26	48.8	− 0.3	82	3	19	23	35	3.66	0.22	0.90	0	10	10	4	16	n.	Mrs. C. R. Sowell.
Murray	Calloway	412	9	46.2		85	4	15	24	47	2.93		1.18	0	6	9	7	14	s.	Harry R. Arnold
Owensboro	Daviess	479	38	45.5	− 1.5	77	4	17	30	32	2.73	−0.61	0.55	0	7	7	4	19	nw.	Henry S. Berry.
Owensboro, Dam 46	McCracken	404	7								2.51		0.56	T.	11					Lockmaster.
Padueah	McCracken	516	18								2.48	−1.56	0.58	0	13	7	3	20		C. J. Rhodes.
Paducah, near §	McCracken	341	46								2.13	−2.29	0.68	0	7					J. W. Lilley
Princeton	Caldwell	529	28	48.1	+ 0.8	80†	3	19	23	34	2.91	−0.57	0.81	0	13	6	6	18	n.	Dr. W. L. Cash.
Rumsey, Lock 2	McLean	384	18								2.88	−0.77	0.55	0	14					Lockmaster.
Russellville	Logan	590	24	45.8	− 1.2	84†	1	17†	23	37†	4.01	+0.72	1.91	0	9					Wm. Shelton.
Uniontown, Dam 49	Union	357	7								1.84		0.48	0	9					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	7								3.09		0.54	0	12					Lockmaster.
Anchorage	Jefferson	700	34	45.6	+ 0.8	79	4	13	23	34	3.35	+0.81	1.24	0	8	7	6	17	se.	C. E. Barret.
Bardstown	Nelson	697	38																	Mrs. Emily T. Sisco.
Bowling Green	Warren	530	46	49.6	+ 1.7	79	4	19	24	26	3.24	−0.61	0.79	0	10	7	8	15	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	10																	Lockmaster.
Brownsville, Lock 6‡	Edmonson	410	18								4.72	+0.60	0.96	0	13					Lockmaster.
Burnside	Pulaski	705	44								4.55	+1.08	1.05	0	10					T. A. Lewis
Carrollton, Lock 1	Carroll	480	36								2.59	−0.47	0.52	0	9					Lockmaster.
Cold Spring, Dam 36	Campbell	489	9								2.74	−0.50	0.84	T.	12					Lockmaster.
Danville	Boyle	540	2	46.4		78	4	17	24	33	4.81	+1.80	1.34	T.	12	5	5	20	w.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	7	48.2	+ 0.6	81	1	22	22†	34	3.53	+0.26	1.10	0	9	5	5	20	nw.	C. W. Williams.
Eubank	Pulaski	1177	41	47.8	+ 2.2	80	4	14	23	30	4.65	+1.32	1.35	0	6	12	3	15	s.	Mrs. Katie Payne.
Frankfort	Franklin	550	43	47.4	+ 0.8	81	1	17	24	37	3.51	+0.32	1.38	0	11	7	5	18	w.	Lockmaster.
Franklin	Simpson	691	40	49.0	− 0.1	79	1	19	23†	34	3.25	−0.33	0.80	0	11	6	9	15	u.	Marcus Gatewood.
Frost, Lock 3	Henry	450	24								3.15	−0.03	0.80	0	10					Lockmaster.
Glasgow	Barren	780	9	45.6		73	2	17	23†	38	4.92		1.30	0	9	11	3	16	n.	P. L. Beatty.
Grant, Dam 38	Boone	730	10								2.37	−0.40	0.61	0	9					Lockmaster.
Greensburg	Green	581	42	46.0	+ 0.3	77	4	14	24	34	4.88	+1.37	1.66	0	15	2	2	26	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	33								3.60	+0.49	0.88	0	10					Lockmaster.
Irvington	Breckinridge	646	37	46.3	+ 0.7	75	4	20	23†	31	4.02	−0.80	0.97	0	10	6	5	19	sw.	W. J. Piggott
Lancaster	Garrard	1032	9								5.81	+2.58	1.90	0	10					Walter Killion.
Leitchfield	Grayson	635	39	46.8	0.0	76	3	18	30	32	4.94	+0.99	1.20	0	12	6	8	16	nw.	R. H. Willis.
Lexington	Fayette	985	51	45.8	+ 0.5	78	1	19	24	28	4.24	+1.05	1.26	T.	13	11	2	17	s.	U. S. Weather Bureau
Little Eckman, Lock 5	Jessamine	860	21								4.47	+1.26	1.25	0	9					Lockmaster.
Lockport, Lock 2	Henry	485	25								3.62	+0.94	1.45	0	8					Lockmaster.
LOUISVILLE	Jefferson	525	62	46.6	− 0.1	77	4	22	23	31	2.95	−0.65	0.97	T.	10	5	10	15	n.	U. S. Weather Bureau
Mammoth Cave	Edmonson			*47.5		84	1	14a	24	35a	4.45		1.36	0	14	10	6	14	w.	Ivan J. Ellsworth.
St. John	Hardin	777	39	44.0	− 1.8	79	1	15	30	31	3.81	+0.28	0.80	0	10	13	2	15		Sisters of Loretto.
Salvisa, Lock 6	Mercer	526	21								4.32	+1.29	1.28	0	8					Lockmaster.
Shelbyville	Shelby	825	46	46.2	+ 1.4	77	1	19	23†	35	4.29	+0.89	0.91	0	15	6	1	23	n.	Miss Ruth Ratta.
Taylorsville	Spencer	489	33	45.8	+ 0.7	77	4	15	24	30	3.18	−0.01	1.08	0	7	8	7	15		Elizabeth J. Bourne.
Tyrone, Lock 5	Anderson	524	17								5.37	+2.48	1.10	0	8					Lockmaster.
Williamstown	Grant	943	32	46.2	+ 1.0	81	1	16	24	34	3.42	+0.54	0.89	0	13	6	6	15	e.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	18								4.80	+0.64	1.11	0	13					Lockmaster.
Eastern Division.																				
Annville	Jackson		4								4.13		1.30	0	9	8	10	12	sw.	W. A. Worthington.
Ashland	Boyd	534	16	48.4	+ 1.3	81	4	21	24†	33	2.55	−0.68	0.53	T.	14	5	4	21	sw.	Lockmaster.
Berea	Madison	1070	30	47.1		80	1	15	24	30	5.49	+2.35	2.65	T.	9	9	5	16	sw.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	25								4.25	+1.34	1.50	0	9					Lockmaster.
Cynthiana	Harrison	884	17								3.16	+0.01	0.85		8					P. H. Kehoe.
Falmouth	Pendleton	600	46								3.23	0.00	1.16	T.	12					J. V. Oldham.
Farmers	Rowan	668	27	47.4	+ 1.9	84	1	11	24	32	2.84	−0.13	0.69	0	8	9	3	18	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	10								4.60	+0.71	1.33	0	10					C. A. Glascock
Ford, Lock 10	Clark	637	19								4.24	+1.41	1.18		10					Lockmaster.
Greenup, Dam 30	Greenup	540	15								2.50	−0.52	0.65		13					Lockmaster.
Harlan	Harlan	1197	7	51.3		83		20	24	37	6.62		1.80	T.	8	15	1	14		W. W. Duffield.
Hazard	Perry	869	11								5.38	+2.33	0.75		13					Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	663	18	45.6		80	1	15	24	34	4.86	+1.54	1.61	0	11	7	2	21	w.	Lockmaster.
Jackson	Breathitt										4.15		1.00	0	7					Jas T. Goff.
Jenkins	Letcher	1566	11								5.94	+0.22	0.94		15					R. R. Davidson.
Louisa	Lawrence	584	31								3.67	+1.11	0.58		11					Lockmaster.
Manchester	Clay		15								4.09	+1.07	0.80		8					Sequent H. White.
Maysville	Mason	524	38	46.6	+ 1.4	79	4	15	24	32	3.69	+1.03	1.43	T.	12	4	4	22	sw.	Lockmaster.
Middlesboro	Bell	1128	39			80	1				6.55	+3.08	1.62	T.	9	6	16	6		Matthew Woodson
Mount Sterling	Montgomery	930	45																	W. R. McKee.
Oneonta, Dam 33	Campbell	497	8								3.01	+0.10	1.18	T.	11					Lockmaster.
Paintsville	Johnson	567	1								3.76		0.58	0	16					Manuel Robinson.
Pikeville	Pike	636	29	50.4		81	1	20	24	35	3.75	+0.86	0.55	T.	16	8	4	18	se.	Robert Reynes
Pine Mountain	Harlan										6.19		1.05		14	8	0	22		August D. Angel.
Poppapass	Knott	1035	1	50.6		84	1†	16	24	41	3.95		0.82		14	5	9	16		Caney Run Com. Cen.
Quicksand	Breathitt	732	9	47.8	+ 0.8	84	1	13	24	36	3.41	−0.43	0.83		8					R. W. Jones.
Ravenna, Lock 12	Estill	661	17								5.11	+2.39	1.88		10					Lockmaster.
Richmond	Madison	996	41	49.1	+ 1.9	85	1	18	24	29	5.05	+2.88	1.10		12	8	9	23		H. W. Crooke.
Valley View, Lock 9	Madison	571	22								5.43	+1.81	1.23		12					Lockmaster.
Vanceburg, Dam 32	Lewis	525	20								3.43	−0.02	1.25		11					Lockmaster.
Wallsburg	Letcher	1142	10																	G. H. Zimmerman.
Williamsburg	Whitley	939	38	50.1	+ 2.5	81	4	15	24	35	3.56	+0.29	0.71		8	10	12	8		H. F. Davis.
Wilson, Lock 13	Lee	646	16								5.24	+2.56	2.80		9					Lockmaster.
State averages and extremes				47.3	+ 0.8	85	1	11	24	47	3.86	+0.39	2.80		11	7	6	17	n.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

[Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

§Lone Oak.

* Also on other dates. † Received too late to be included in means and summaries. T. Precipitation is less than 0.01 inch rain or melted snow

‡ Post-office addresses: — Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky.

Daily Precipitation for November, 1935.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Albonn	.02				.50		.08		.01	.60	.98	.45	.03			.61	.05			.18	.01											3.12
Burlington					.82		.12		T.	.47	1.45	.48	.01			T.	.02	.02		.14	T.											3.76
Fords Ferry Dam 50		T.			.78		.03	.08		.56	2.09	.20	.07				.02	T.		.14	.02											3.34
Greenville					.46		.10		T.	.75	.01	.05			.04	.02	.03			.19												1.05
Henderson										.81	.59	.19																			2.89
Hopkinsville					.32	T.	.06		T.	.60	.35	1.05	.14	T.		.01			.12							.34					1.64
Lovelaceville	.15				.80		.15		.75	.20		.50														T.	.10	.03	T.		2.73
Marion																		.10									.52				4.17
Mayfield	T.			T.	.72		.10		T.	.62	.90	.47			T.	.06			.31												3.60
Murray	T.				.85	T.	.12			.90	.20	1.18	T.	T.	T.	T.	T.										.03	.12			3.60
Owensboro				T.	.50		T.		.05	.50	.55	.55			T.	T.	.25								T.	T.	T.	T.			2.95
Owensboro, Dam 46					.50	T.	.06			.35	.24	.40	.18	T.	T.	.01	T.		.17	.09							.33				2.70
Paducah		.05			.51		.08	.09		.58	.31	.20	.03			.07			.20	T.					.02	.27	.02	T.			2.54
Paducah (near) *		.11		.43			.08			.50																.62					2.48
Princeton	.08				.81	T.	.15	.02	.01	.15	.25	.64	.01		T.	.02			.21						T.	.27	.01				2.91
Ramsey, Lock No. 2		.05			.56		.03			.52	.55	.44	.28			.03	.02		.17	.02						.10	.29	.04			2.91
Russellville					.39			.14		.60	.25								.08	.06						.04	.55				1.80
Tunnelton, Dam 49					.38		.08			.48	.80	.46	T.			.06	T.		.18	T.						.25	.05	T.			1.84
Central Division																																
Addison, Dam 45					.44		.05		.45	.43	.39	.54		.02	T.				.01	.24					T.	.26	.26	.01			3.09
Anchorage					.04		.05			.48	.26	.41	.05	.03														1.24			2.35
Bardstown																																
Bowling Green					.27	.10	.10	.05		.68		.40	.05						.11	.09								.79			3.24
Bowling Green, No. 2																																
Brownsville, Lock No. 6					.08	.24		.08		.96	.61	.58	.51		.03	.02			.05	.08								.60			4.72
Burnside					.32	.24	.22		.09	.68	.88	1.05	T.		T.	.06			.04									.97			4.55
Carrollton (Lock No. 1)								.52		.47	.36	.18	.23						.12	.15								.24	.38		2.59
Cold Spring, Dam 36		.02			.17	.13		.12		.89	.07	.57	.05		.02	.02	T.	T.		.09					T.	.81	T.	T.			2.74
Danville					.20	.02	.20			.68	.28	1.34	.02	.01		.02	T.		.05		T.				.02	.95					2.97
Dix Dam, Burgin					.08	.16	.08	.54	.08	.68	.80	1.10							.07												3.89
Eubank						.69				.81	.96	1.35																			3.99
Frankfort					.19	.26	T.	.07		.30	.55	.24	1.38	.02	T.	T.	T.		T.	.09					T.	.01	.60	T.	T.		4.03
Franklin					.38	.04	.12			.78	.36	.80	.05		.03				.06							.68	.56				3.51
Gest, Lock No. 3					.35	.10	T.	.08		.31	.30	.33	.78	T.	T.					.08					.02	.80					3.26
Glasgow					.28		.26		1.00		1.50	.82	.14	.05					.15							.04					3.15
Grant, Dam 38		.05				.05		.21		.61	T.	.24	.48							.02					T.	.04	.57				4.92
Greensburg					.20	.02	.10		.02	1.16	1.06	.75	.11	.01	T.	.03			.05	.06					.01	.16	.65				2.97
High Bridge, Lock No. 7					.05	.31	.05	.08		.86	.20	.76	.56			T.											.15	.97	T.			4.88
Irvington					.51		.06		T.	.85	.50	.69	T.	T.	.04	.02	T.		.12	.03												3.99
Lancaster					.19	.06			.55	.77	1.90	1.16	.03														.25	.57	T.			4.60
Leitchfield					.61	T.	.04			.57	.88	1.20	.05		.05	.03	T.		.15	.04												4.64
Lexington ***					.31	.05	.09	.01		1.10	.81	1.00	.02	.01	.03	T.				.08						.02	.86	T.			5.84
Little Beckman, Lock No. 8					.05	.26	T.	.25		.36	.62	.85	1.25	T.						.05							.85				4.30
Lockport, Lock No. 2					.26	.10				.45	.19	.52	.66							.15							1.45				4.42
Louisville ***			T.	T.	.19		.09		.13	.31	.45	.25	.05	T.	T.	T.			.20							.94	.03	T.			3.52
Mammoth Cave					1	.45	.15		T.	1.56	.61	.70	.05	.01	.01	.04	T.		.14	.01	.01					.23	.48				2.56
Mt. John					.69		.06		T.	.65	.72	.80	.02		T.	.05	T.		.20							.15	.50				4.45
Salvisa, Lock No 6					.10	.27	T.	T.		.92	1.28	.45	1.05	T.					T.	.19					T.	.70					5.81
Shelbyville				.55	.22		.10	.02	.02	.74	.11	.71	.12	.03		.05			.14	.05						.22	.01					1.22
Taylorsville					.80		.06			1.05	1.08	.17	T.	T.	T.				.61	.01					T.	T.	T.				3.39
Tyrone, Lock No. 5				1	01		.14	T.		.38	.07	.40	1.10	T.						1.01					.76						3.18
Williamstown					.55		.07			.35	.25	.51	.50	.02	.03	.02			.05	.07						.20	.80					5.37
Woodbury, Lock No. 4					.41	.02	T.	.12		1.11	.61	.29	.80		.02	.01			.09	.05						.10	.73					3.32
Eastern Division																																4.50
Annville								.32		.47		.23	1.30			.77				.06	.01						.90					
Ashland								.33	.08	.12		.18	.29	.37	.53		T.	.03	.20		.03	.02	.02				.29	.06			4.13
Berea								.05		.45			.25	2.05	.80	.22	.02										.14	.88				5.73
College Hill, Lock No. 11								.22		.60	.20	.56	.20	1.50	.82																	5.49
Cynthiana																																
Falmouth		.28			.65	.16				.30	.28	.45	.85	T.	T.					.03		T.				T.	.68	T.			4.25
Farmers					.23	.21	.01	.06		.37	.16	.24	1.16	.01	T.	T.	T.			.05					.01	.85					3.16
Flemingsburg						.13	.11	.17		.35	.43	.48		.48												.78	T.	T.			3.23
Ford, Lock No. 10						.26	.16			.52	.25	.54	1.53	.04	.05						10					.69					2.84
Greenup, Dam 30					.12	.20	.07	.12		.58	.26	.93	1.18	.01	T.	T.	T.		T.		T.					.50					4.09
Harlan						.18	.05	.10		.29	.60	.24	.65	.01	T.	.65	.11		.04							1.07	T.	T.			4.24
Jacard							1.00			.53	1.60	.46				1.8		.05	.03							.42	.06				2.56
Heidelberg, Lock No. 14						.24	.42		.15		.48	.26	.59	.21	.27	.53	.30	.71					.47			1.21	T.				6.62
Jackson						.27	.22	.27		.38	.32	1.61	.86	.68	T.	.16	T.		.67	T.						.55	T.				5.58
Jenkins								.71		.55	.26	.44	1.00	T.		.65										.67					4.56
Louisa						.05	.94	.10		.11	.16	.45	.50	.07			.18	.29		.10	.05					.55					4.15
Manchester						.48	.27	.89		.37	.22	.51	.58			.08	.35	.03								.68	.06	.07			3.04
Maysville		.80								.78		.70	.51	.01		.46										.36					8.47
Nicholasville						T.	.26	.01	.12	.33	.09	.52	1.45			.02	.01	.01	.04						T.	.56					4.09
Paris								.97	.02		1.37	1.62	.09			1.16															2.79
Riddlesboro																										(5)	1.30	.05			6.57
Pineonta Dam 35			02																													
Prestonville						.24	.13		.26		.20	.05	.32	.43	.02	T.	T.	T.	.08							1.18	T.	T.			3.01
Pikeville							.32	.48	.36		.34	.32	.33	.58	.03	.03	.35	.09	.04	.06		.05				.31	.01				3.76
Pine Mountain							.06	.26	.46		.02	.40	.88	.54	.04		.24	.55		.06	.04	.01				.36	.08	T.			5.75
Pippapass						.07		.95	.10		.05	.65	1.42	.24			1.05	.13	.02	.05						10	1.65	T.			6.19
Quicksand						.05		.63	.13		.28	.25	.86	.21	.02	T.	.82	.10	.03	T.	.05		.16			T.	.58	T.			5.93
Ravenna, Lock No. 12							.35	.30	.15		.26	.37	.42	.81		.02															3.44
Raymond							.20	.11	.26		.58	.35	1.88	.73	.08		T.	T.	.08		T.											5.11
Valley View, Lock No. 9						.05	.15	.15	.26		.60	.80	1.09	1.10	.05		.05			.05							.85					5.65
Vanceburg, Dam No. 32						.22	.10	1.23	.34		.40	1.00	1.07	.05	.03	.08			T.	.05							.93	T.				5.43
Whitesburg							.27	.03	.13		.32	.08	.37	1.25			.08	.05		.04							.81					3.43
Williamsburg																																
Willow, Lock No. 13			.02			.29	.15	.21		.65	.53	.71	.52		.29	.07										.43	.47				3.56
						.30	.18	.26		.38	.32	2.80	.91	T.		.05		T.	T.								.50					5.94

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

( ) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak §10-10.

Daily Temperatures for November, 1935.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	78	63	77	76	76	56	56	64	61	71	66	62	48	48	47	42	43	52	53	53	58	44	43	46	55	53	64	63	41	51	..	57.0
	Minimum	51	51	47	59	41	50	45	35	39	55	51	44	42	45	41	40	40	41	40	40	38	24	20	21	26	42	43	38	28	21	..	39.5
Earlington	Maximum	77	63	77	80	76	58	50	63	64	66	66	63	48	50	48	44	44	51	54	51	48	45	40	45	55	54	65	64	42	53	..	56.6
	Minimum	54	51	45	60	41	30	45	33	36	56	61	47	42	46	42	40	40	41	39	41	35	25	17	18	23	44	45	42	31	20	..	39.7
Greenville	Maximum	77	64	79	79	75	60	56	62	63	65	65	62	47	48	49	43	43	51	53	50	60	46	39	45	55	54	62	62	40	51	..	56.3
	Minimum	52	48	42	57	40	27	4	33	34	54	50	42	40	43	39	38	38	39	36	39	32	24	18	17	22	40	41	39	29	16	..	37.4
Henderson	Maximum	72	60	67	78	78	58	50	68	66	66	65	61	49	48	51	49	47	51	58	59	61	60	49	41	52	51	57	62	86	49	..	57.5
	Minimum	51	51	40	41	38	31	32	36	41	53	50	42	41	40	39	37	39	39	42	44	41	36	30	27	27	41	29	34	29	28	..	38.6
Hopkinsville	Maximum	74	68	77	79	73	52	49	63	64	63	62	46	47	47	43	42	51	52	52	60	50	41	46	55	52	61	61	42	53	..	..	56.3
	Minimum	52	49	47	56	41	31	45	37	38	55	56	42	40	44	41	38	38	38	39	39	34	24	28	16	19	24	40	40	30	20	..	39.0
Lovelaceville	Maximum	74	66	80	77	75	51	49	65	62	71	70	54	46	47	47	45	42	57	53	60	45	44	46	45	50	59	63	60	42	57	..	56.2
	Minimum	46	47	46	58	39	28	44	30	35	52	54	41	41	43	43	37	38	39	39	34	24	28	16	19	24	40	40	38	30	20	..	36.5
Marion	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mayfield	Maximum	77	80	82	80	75	50	51	65	63	70	67	58	47	49	48	44	44	53	57	55	62	50	39	47	52	53	65	61	45	57	..	58.2
	Minimum	49	49	49	62	40	33	45	31	41	56	57	42	41	44	41	38	39	33	44	37	37	27	19	42	30	40	44	39	31	25	..	39.5
Murray	Maximum	63	65	82	85	72	51	50	63	65	68	67	60	48	49	49	45	44	62	57	58	65	49	48	55	58	59	69	60	43	58	..	58.2
	Minimum	44	45	35	38	36	25	40	27	28	51	55	37	36	40	36	33	32	30	38	30	27	28	17	15	40	28	43	38	31	20	..	34.3
Owensboro	Maximum	75	75	73	77	64	51	50	61	59	65	64	49	48	47	46	44	44	49	51	51	56	48	35	45	47	53	61	56	40	49	..	54.3
	Minimum	57	44	48	64	34	25	44	30	35	52	51	45	37	37	35	37	40	37	44	37	32	23	18	20	23	30	40	36	27	17	..	36.7
Princeton	Maximum	78	65	80	80	74	52	50	65	61	66	65	48	50	48	46	44	51	54	54	60	48	42	49	57	54	65	61	58	37	57	..	57.4
	Minimum	51	50	48	53	41	30	44	35	37	56	60	42	41	46	42	39	39	40	43	38	30	28	20	23	43	44	36	29	20	18	..	38.8
Russellville§§	Maximum	71	67	75	79	45	55	52	59	63	64	..	..	..	..	..	..	..	64	53	51	60	60	38	38	42	55	55	61	46	31	50	155.2
	Minimum	55	49	43	52	42	29	51	37	36	45	56	..	..	..	..	..	..	..	38	37	40	30	25	17	20	19	23	42	38	30	18	136.3
Central Division.																																	
Anchorage	Maximum	77	64	70	79	70	56	53	64	69	64	67	60	47	45	42	44	44	48	49	47	56	45	46	47	51	56	59	54	49	46	..	55.5
	Minimum	52	52	53	53	38	25	52	30	35	53	53	45	32	46	38	39	40	37	33	31	27	21	13	15	19	33	40	36	25	29	..	35.7
Bardstown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Bowling Green	Maximum	76	70	75	79	70	59	53	62	63	64	64	63	49	48	48	45	47	50	50	61	53	45	45	53	75	60	58	46	49	..	..	57.9
	Minimum	57	54	55	58	44	46	45	43	43	40	59	47	46	41	42	44	42	42	42	41	39	29	21	19	28	42	40	47	32	21	..	41.2
Danville	Maximum	85	68	75	78	71	54	55	65	62	67	64	62	53	45	44	48	45	45	48	47	49	47	39	47	58	58	58	53	41	43	..	54.9
	Minimum	57	51	51	51	41	28	43	22	32	52	54	52	43	42	40	41	39	38	34	37	26	25	18	17	20	38	43	40	26	24	..	37.8
Dix Dam	Maximum	76	70	74	78	72	56	56	60	63	62	63	62	56	45	46	45	47	50	50	49	58	46	46	49	56	56	57	58	58	42	..	56.5
	Minimum	57	53	52	53	44	33	45	38	36	54	53	46	45	43	41	41	42	41	37	42	28	22	23	22	38	37	45	42	28	37	..	40 9
Eubank	Maximum	76	77	73	80	78	71	65	64	69	66	69	65	61	51	53	44	49	43	49	46	46	39	45	48	47	53	56	54	51	51	..	57.7
	Minimum	50	53	57	51	51	49	44	46	47	45	45	43	41	49	41	38	34	24	26	32	24	26	12	15	17	33	34	32	29	28	..	38.0
Frankfort	Maximum	81	64	69	79	73	54	57	64	64	61	64	63	50	46	46	44	47	47	51	56	59	51	37	40	57	58	60	60	42	41	..	55.9
	Minimum	53	53	52	43	42	31	45	35	33	55	60	49	44	41	40	40	42	42	36	41	30	25	20	17	29	38	44	41	26	26	..	38.2
Franklin	Maximum	79	73	82	80	73	58	59	65	64	64	65	64	52	48	47	46	43	55	50	52	61	51	39	44	51	56	60	51	45	53	..	57 6
	Minimum	57	50	48	56	43	33	45	40	39	55	56	45	42	45	41	40	39	40	40	41	34	27	19	19	21	43	47	41	30	21	..	40.2
Glasgow	Maximum	70	73	68	70	60	60	53	62	60	66	65	59	50	44	47	42	42	53	41	40	60	42	41	47	58	55	59	50	41	49	..	54.0
	Minimum	54	53	50	55	42	30	56	38	35	45	48	48	42	44	40	38	38	38	37	34	27	26	17	18	26	40	39	34	30	17	..	37.3
Greensburg	Maximum	74	73	75	77	74	56	53	68	66	62	64	64	55	47	47	45	48	47	51	51	53	53	44	42	51	54	58	68	44	47	..	56.3
	Minimum	53	52	54	48	40	27	41	36	30	51	56	52	42	41	40	38	38	34	33	39	24	26	18	14	17	32	36	38	27	16	..	35.8
Irvington	Maximum	73	57	73	75	72	49	49	60	61	59	61	60	46	46	44	44	51	52	53	51	53	41	36	44	51	56	60	59	37	44	..	53 9
	Minimum	55	52	51	66	41	30	43	34	39	50	51	46	43	42	39	36	39	37	41	39	37	25	20	20	24	41	41	37	26	20	..	38.7
Leitchfield	Maximum	75	64	76	74	73	51	56	63	60	62	62	62	46	47	48	45	41	54	50	56	58	46	37	43	53	51	59	58	48	46	..	55.4
	Minimum	58	51	48	58	41	30	45	32	28	55	60	46	43	43	39	39	39	38	38	39	28	25	19	19	24	40	45	38	27	18	..	38.8
Lexington	Maximum	78	69	70	74	52	54	55	62	63	59	60	61	44	42	44	42	46	44	48	40	55	36	33	37	51	55	55	43	29	41	..	51.0
	Minimum	58	51	48	54	52	29	43	34	39	52	58	50	42	40	39	39	40	40	37	39	30	25	21	19	24	28	44	41	29	24	..	39.6
Louisville	Maximum	70	62	70	77	70	52	58	61	61	64	64	60	46	46	43	45	43	48	51	48	54	36	28	40	52	56	61	46	35	41	..	53.2
	Minimum	54	51	55	59	29	34	44	42	43	54	60	44	43	40	39	40	40	40	39	38	29	23	19	23	28	43	46	38	24	23	..	40.0
Mammoth Cave	Maximum	75	64	76	74	73	51	56	63	60	62	62	62	46	47	48	45	41	54	50	56	58	46	37	43	53	51	59	58	48	46	..	55.4
	Minimum	58	51	48	58	41	30	45	32	28	55	60	46	43	43	39	39	39	38	38	39	28	25	19	19	24	40	45	38	27	18	..	38.8
Mayfield	Maximum	78	69	70	74	52	54	55	62	63	59	60	61	44	42	44	42	46	44	48	40	55	36	33	37	51	55	55	43	29	41	..	51.0
	Minimum	58	51	48	54	52	29	43	34	39	52	58	50	42	40	39	39	40	40	37	39	30	25	21	19	24	28	44	41	29	24	..	39.6
Shelbyville	Maximum	70	62	70	77	70	52	58	61	61	64	64	60	46	46	43	45	43	48	51	48	54	36	28	40	52	56	61	46	35	41	..	53.2
	Minimum	54	51	55	59	29	34	44	42	43	54	60	44	43	40	39	40	40	40	39	38	29	23	19	23	28	43	46	38	24	23	..	40.0
Taylorsville	Maximum	74	71	79	78	72	57	57	64	66	64	64	63	48	46	46	43	47	50	52	55	44	41	45	50	64	60	68	42	47	..	..	56.8
	Minimum	54	51	49	58	42	31	45	33	36	52	58	48	43	41	40	40	40	39	34	37	26	25	15	14	32	39	42	39	28	16	..	39.0
Williamstown	Maximum	80	67	70	81	72	56	53	58	69	65	72	64	61	45	43	47	51	46	51	54	59	55	26	39	51	53	64	62	46	41	..	57.1
	Minimum	49	55	45	51	46	35	44	37	36	51	56	50	45	42	41	42	44	43	38	41	23	29	25	24	21	26	34	43	29	24	..	39.4
	Maximum	80	66	70	77	72	55	52	57	65	65	67	63	52	46	45	45	45	43	45	43	60	53	32	45	47	57	62	57	44	..	..	55.2
	Minimum	57	52	52	51	42	31	43	38	35	50	59	49	43	40	41	40	40	39	36	35	20	19	15	15	20	38	43	42	27	25	..	39.0
Farmers	Maximum	84	77	76	80	70	60	54	64	69	66	63	65	64	48	48	47	48	47	51	54	59	45	37	51	54	59	65	64	45	..	..	59.1
	Minimum	58	52	44	44	29	36	36	25	46	54	57	42	40	38	36	36	40	40	28	29	30	27	13	11	22	29	36	40	25	24	..	35.7
Harlan§§	Maximum	81	73	83	79	79	69	66	66	66	62	68	63	52	51	59	58	63	52	54	59	56	48	46	56	48	60	47	40	45	59	49	59.6
	Minimum	52	53	57	57	62	45	50	54	59	54	55	52	47	48	47	47	43	43	38	41	30	32	25	20	22	23	30	45	31	29	..	43.0
Heidelberg	Maximum	80	70	78	71	75	55	51	61	61	61	61	61	47	47	47	47	47	47	52	46	58	54	38	42	51	55	66	60	45	53	..	54.7
	Minimum	51	51	52	46	48	36	45	39	32	47	57	50	45	45	42	44	44	42	34	42	29	28	18	18	24	34	43	39	28	27	..	37.9
Maysville	Maximum	67	69	76	79	66	55	55	65	65	62	64	61	54	46	43	44	45	45	50	49	58	50	38	42	51	56	58	58	41	41	..	55.0
	Minimum	53	52	46	51	43	31	45	35	33	52	52	46	38	36	36	36	40	40	28	34	26	27	25	22	15	27	36	41	30	26	..	38.1
Middlesboro	Maximum	80	76	77	75	76	64	61	64	61	66	66	61	54	56	56	46	48	53	50	54	53	38	44	54	57	62	54	49	41	..	..	58.5
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mount Sterling	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Pikeville	Maximum	80	65	80	80	80	61	64	63	69	65	73	64	61	50	51	52	49	47	60	56	61	45	35	40	53	54	68	58	50	45	..	59.3
	Minimum	48	52	56	48	54	38	48	43	37	53	53	50	49	46	44	45	45	40	33	43	32	34	20	26	20	30	33	48	34	29	..	41 4
Pineapass	Maximum	84	76	84	82	81	63	64	74	68	73	64	60	49	48	48	45	50	54	64	66	58	42	36	50	58	62	66	56	52	49	53	61.1
	Minimum	49	51	48	48	54	47	47	42	34	56	52	50	48	45	42	44	45	42	33	41	27	33	23	16	19	30	42	38	28	28	..	40.3
Quicksand	Maximum	83	67	81	80	73	61	62	64	70	68	65	60	49	48	48	46	45	46	55	54	60	47	38	43	58	58	68	68	45	46	..	59.3
	Minimum	47	51	49	44	52	33	44	37	36	51	57	42	46	40	40	43	39	41	39	39	37	27	17	13	16	29	32	37	26	26	..	36.3
Richmond	Maximum	85	82	82	78	76	64	65	64	65	67	62	63	62	45	46	45	44	46	46	50	45	60	38	38	44	57	58	60	48	32	..	57.2
	Minimum	62	53	50	52	50	40	46	52	56	60	53	41	40	41	40	41	37	40	32	28	19	18	24	40	45	42	36	24	40	24	..	42 0
Williamsburg	Maximum	80	66	86	84	77	66	70	69	67	68	69	67	60	58	52	52	48	46	45	54	62	59	54	55	55	58	64	66	66	..	..	62.0
	Minimum	58	53	56	47	48	35	48	42	35	57	53	47	35	44	43	43	41	42	34	42	28	24	15	19	30	33	35	37	29	..	..	38.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

a, b, c, etc. indicate respectively 1, 2, 3, etc., days missing (non-record).

W. B. O. Louisville 11 5 35 10p

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XL LOUISVILLE, KY., DECEMBER, 1935 No. 12

GENERAL SUMMARY.

The month averaged decidedly cold, with much inclement weather that was unfavorable for outdoor activities. Severe freezes in the first week stopped the growth of fall grains and pastures. Because the soil was relatively dry when frozen, grains suffered no apparent injury. This cold spell was followed by more than a decade of showery weather, in which there was some freezing and thawing but no special damage to grains. Soft and muddy fields during this period hindered corn gathering and caused farmers to center their attention on tobacco stripping, for which the long humid interval continued favorable. Many tobacco growers completed the preparation of their crops for market, while others succeeded in advancing the work farther toward completion than is usual so early in the winter. Although damp and rainy, the weather was too cold to permit much growth, therefore winter grains remained generally dormant after the hard freezes early in the month.

Unseasonably cold weather prevailed during the last two weeks, with temperatures frequently descending to zero. This cold spell was comparable in extent and severity with like periods in the coldest Decembers of the past. At its beginning the ground froze deeply without snow cover, but the top soil had drained fairly well and grain fields became solid without the usual lifting or heaving of the surface. A light snow that fell later made it convenient for several days to remove corn and fodder from the grain fields. Blizzard conditions on the 25th with light snow were followed on the 28th by heavy snow that remained on the ground at the end of the month. The dry cold seriously interfered with handling tobacco. Feeding requirements increased greatly and the milk supply diminished. Snow and ice on streets and highways impeded traffic and rendered travel unusually dangerous.

TEMPERATURE.

With the exception of 1919 and 1917, this was the coldest December since State averages were established. Mild weather prevailed in the period 7-9th and temperatures near normal from the 13th to 18th, otherwise daily means were abnormally low. After the 18th deficiencies ranged between 10° and 30° on most days. Temperatures below zero were registered generally on the 27th and 31st. The extremes for the State were 63° on the 9th at Harlan, and −14 on the 27th at Farmers and on the 30th at Taylorsville.

PRECIPITATION.

Precipitation averaged about two-thirds of the normal amount, and was rather evenly distributed over the State. At many central and eastern stations about one-half of it fell as snow. The snowfall ranged from 5.0 to 8.0 inches in the western division, 7.0 to 13.0 inches in the central counties, and 8.0 to 17.0 inches in most of the eastern third of the State. From 4.0 to 8.0 inches remained on the ground when the month closed. Snow occurred in moderate amounts in the period 22d-25th and in heavy quantities on the 28th. Moderate to heavy rain occurred in the period 6-8th, and showers that were heavy at some stations from the 11th to 13th. Precipitation ranged from 1.26 to 2.75 inches in the western counties and the valleys of the Green and Kentucky. East of the Kentucky River most stations reported 2.75 to 4.0 inches. The range for the State was between 1.21 inches at Pineville and 4.82 inches at Flemingsburg.

MISCELLANEOUS.

Rivers.—The Ohio rose rapidly from the 6th to 17th, then declined to a good stage as the cold spell began. Ice commenced to form generally on the 26th, followed by suspension of navigation in the section above Louisville on the 28th. A gorge developed at Madison, Ind., and the river remained nearly full of light to heavy ice to most of the upper section until the end of the month. During this period no marked confidence in the stretch below Louisville.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Relative humidity. Date.	7 a. m.	12 noon	7 p. m.	Percentage of sunshine.
Cairo .....Ill.	30.18	30.62	4	29.72	25	9.0	26	nw.	25	82	69	64	48
Cincinnati .....Ohio	30.16	30.64	4	29.58	23	8.5	29	w.	25	86	74	76	29
Evansville .....Ind.	30.18	30.65	4	29.67	23	9.6	28	nw.	19	80	60	67	48
Louisville .....Ky.	30.19	30.67	4	29.70	23	10.8	33	w.	25	81	64	68	37

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature. Mean.	Departure.	Highest.	Lowest.	Precipitation. Average.	Departure.	Greatest monthly.	Least monthly.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889....	50.2	+12.4	76	13	1.57	−2.38	5.15	0.63	....	..	..	..	..
1890....	37.8	0.0	70	12	3.51	−0.58	7.70	1.75	....	..	..	..	..
1891....	42.4	+ 4.6	70	15	4.10	+0.13	5.85	2.74	....	..	..	..	..
1892....	34.6	− 3.2	74	− 5	4.22	+0.23	7.52	1.60	....	..	..	..	..
1893....	33.0	− 1.2	78	10	2.63	−1.26	4.79	1.30	....	..	..	..	..
1894....	38.7	+ 0.9	76	−11	4.31	+0.26	6.05	2.44	....	10	..	..	..
1895....	38.8	+ 1.0	77	6	4.83	+0.58	6.68	2.28	....	9	7	9	15
1896....	39.6	+ 1.8	73	7	3.82	−2.13	8.36	0.49	....	4	14	3	9
1897....	38.6	+ 0.2	72	3	3.75	−0.20	6.07	2.32	2.5	10	5	8	18
1898....	34.1	− 3.7	70	−12	2.74	−1.31	4.57	1.31	5.7	8	14	7	10
1899....	34.8	− 3.0	70	−15	4.26	+0.20	6.22	2.43	2.6	10	12	8	11
1900....	38.6	+ 0.8	70	12	2.59	−1.36	5.36	1.01	6.2	8	13	6	12
1901....	32.3	− 5.5	72	−22	4.99	+0.95	7.70	1.58	5.7	10	8	7	16
1902....	35.7	− 1.1	72	− 3	7.36	+3.41	11.47	4.07	2.4	12	7	5	18
1903....	30.7	− 7.1	58	0	2.88	−1.07	4.85	1.19	2.0	7	16	6	9
1904....	36.4	− 1.4	72	− 2	4.30	−0.05	6.51	2.98	2.4	11	10	5	16
1905....	32.3	− 0.5	66	11	4.38	+0.43	6.12	2.69	1.2	9	11	5	15
1906....	39.0	+ 1.2	76	− 9	5.64	+1.69	7.83	3.35	1.6	15	6	3	21
1907....	28.8	− 6.7	70	8	3.20	−0.75	4.48	1.80	1.0	11	8	5	18
1908....	39.8	+ 2.0	74	7	2.42	−1.53	4.68	0.67	0.4	9	11	6	14
1909....	29.9	− 7.9	79	−14	5.46	+0.49	8.77	1.17	3.8	9	10	5	16
1910....	33.1	− 6.7	66	− 3	3.37	−0.58	4.80	2.12	6.6	8	11	5	15
1911....	41.6	+ 3.8	74	11	6.28	+2.38	10.36	4.03	0.4	12	9	4	18
1912....	37.2	− 0.6	78	5	8.68	+6.03	6.81	2.12	5.2	9	14	7	12
1913....	35.7	+ 1.7	70	11	2.73	−1.22	4.11	1.21	1.6	7	10	5	16
1914....	32.8	− 5.0	70	−16	5.22	+1.27	9.45	3.55	7.7	14	6	4	21
1915....	37.0	− 0.8	64	9	7.56	+3.61	10.62	5.86	3.3	12	10	6	15
1916....	35.5	− 2.3	74	−14	4.23	−0.96	6.87	2.45	1.1	10	12	7	12
1917....	29.5	−11.3	72	−21	2.01	−1.94	3.08	0.73	17.3	8	10	7	14
1918....	43.8	+ 7.0	75	14	4.44	+0.49	7.16	2.44	0.7	12	10	4	17
1919....	34.6	− 2.2	68	3	4.93	+0.98	7.80	2.16	1.6	7	12	5	14
1920....	38.6	+ 0.8	68	4	2.80	−1.16	5.92	1.16	2.8	9	8	6	15
1921....	41.7	+ 3.9	73	18	4.47	+0.45	6.78	1.27	0.1	7	10	6	15
1922....	41.5	+ 3.7	77	5	5.68	+1.66	9.35	3.70	0.2	12	10	5	16
1923....	36.6	+ 0.8	75	8	6.09	+2.65	9.73	4.08	2.3	14	9	5	17
1924....	35.9	− 1.9	70	9	5.97	+2.62	11.12	3.26	1.2	6	13	5	13
1925....	31.8	− 3.0	70	5	0.88	−2.46	1.94	0.23	1.7	5	13	6	12
1926....	37.8	− 0.0	75	5	6.01	+2.60	11.21	2.77	0.3	12	8	5	18
1927....	37.4	− 0.4	77	1	3.46	−0.85	6.79	1.98	6.7	10	14	4	13
1928....	39.5	+ 1.7	72	5	2.32	−1.99	5.13	0.70	T	7	17	5	9
1929....	44.0	+ 6.2	76	−15	2.75	−1.56	4.56	1.28	6.8	11	16	5	10
1930....	35.4	− 2.4	80	2	2.21	−1.94	3.47	0.55	2.6	5	20	3	8
1931....	41.1	+ 3.3	73	17	5.44	−1.58	8.12	2.61	0.5	12	7	7	17
1932....	37.3	− 0.5	72	− 8	4.32	−0.37	10.46	1.02	1.9	12	10	6	15
1933....	44.2	+ 6.4	75	− 3	4.28	−1.63	7.97	2.19	1.4	10	8	7	15
1934....	37.0	− 0.8	69	5	2.18	−1.77	4.22	0.82	1.5	9	15	6	10
1935....	30.0	− 7.8	63	−14	2.29	−1.56	4.29	1.23	11.9	9	8	7	16
Total.	37.8	.	79	−22	.	.	11.47	.	3.0	10	10	6	15

Climatological Data for December, 1935.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches			Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																			
Calhoun	McLean	437	31			59	9				1.98	−2.20	1.08	5.4	8	5	14	12	nw.	W. A. Taylor.
Carlington	Hopkins	420	45	31.8	−7.1	58	8†	−2	30	32	1.85	−2.20	1.10	6.0	9	11	3	17	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	6								1.65		0.48	5.1	8					Lockmaster.
Greenville	Muhlenburg	519	18	30.2	−9.0	60a	9	3a	27	30a	2.00	−2.00	1.10	7.0	6	13	7	11	n.	C. R. Lovell.
Henderson	Henderson	382	21	26.9		59	9	−4	31	88	2.23	−2.40	1.22	8.5	5	11	9	11	n.	Richard Stites
Hopkinsville	Christian	524	39	31.4	−7.6	60	9	−1	30	34	2.14	−2.58	0.97	5.3	7	5	7	19	se.	W. B. Graves.
Lovelaceville	Ballard		6	31.1		59	9	−10	30	40	2.05		1.30	7.5	6	14	4	13	n.	Blaine Malone.
Marion	Crittenden	571	36																	B. C. Paris.
Mayfield	Graves	364	26	33.3	−7.1	59	9	1	30	32	2.65	−1.79	1.54	5.0	7	11	9	11	n.	Mrs. C. R. Sowell.
Murray	Calloway	412	9	32.5		62	8	−4	30	39	3.20		1.50	6.4	8	13	5	13	w.	Henry B. Arnold
Owensboro	Daviess	479	38	28.3	−8.9	57	9	−10	30	34	1.68	−1.96	0.90	7.0	6	10	4	17	nw.	Henry S. Berry.
Owensboro, Dam 40	Daviess	404	7								1.73		0.69	6.7	9					Lockmaster.
Paducah	McCracken	516	18								3.03	0.72	0.66	7.5	10	9	5	17		C. J. Rhodes.
Paducah, near§	McCracken	341	46								2.59	−1.94	1.00		3					J. W. Lilley
Princeton	Caldwell	529	28	31.4	−7.3	61	9	−3	30	34	2.62	−1.68	1.15	6.0	8	10	6	15	w.	Dr. W. L. Cash.
Ransey, Lock 2	McLean	384	18								2.85	−1.54	0.78	8.4	8					Lockmaster.
Russellville	Logan	606	24	29.8	−9.0	59	9	−2	31	30	1.75	−2.23	0.79	5.7	5	12	2	17	s.	Wm. Shelton.
Uniontown, Dam 47	Union	357	7								1.54		0.40	6.0	9					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	7								1.66		0.72	5.0	10					Lockmaster.
Anchorage	Jefferson	700	34	27.2	−7.7	56	9	−11	27	34	2.21	−1.63	1.27	8.7	7	7	7	17	nw.	C. E. Barret.
Bardstown	Nelson	657	33																	Mrs. Emily T. Sisco.
Bowling Green	Warren	500	46	32.6	−6.4	68	9	4	30	34	1.62	−2.63	0.75	13.5	5	5	11	15	w.	Mrs. Lillie G. Causey.
Bowling Green, No. 2	Warren	469	10																	Lockmaster.
Brownsville, Lock 6	Edmonson	420	18								2.38	−1.92	1.22	8.0	7					Lockmaster.
Buraside	Pulaski	705	44								1.58	−2.69	0.63	7.2	10					T. A. Lewis
Carrollton, Lock 1	Carroll	480	36								1.75	−1.85	0.63	4.0	11					Lockmaster.
Cold Spring, Dam 36	Campbell	489									1.48	−1.35	0.59	6.0	10					Lockmaster.
Danville	Boyle	840	2	29.1		56	9	2	26	32	2.25	−1.59	0.70	10.4	12	7	5	19	w.	Ralph C. Wyatt.
Dix Dam, Burgin	Mercer	770	7	30.4	−9.0	55	8†	−2	27	32	2.15	−1.55	0.98	9.0	4	8	3	20	sw.	C. W. Williams.
Eubank	Pulaski	1177	41	27.6	−9.4	56	9	−8	27	33	2.60	−1.46	0.84	10.0	4	10	2	19	n.	Mrs. Katie Payne.
Frankfort	Franklin	560	43	29.6	−7.8	58	9	−5	27	33	2.13	−1.52	0.81	9.8	9	8	1	22	w.	Lockmaster.
Franklin	Simpson	691	40	32.9	−7.8	61	9	8	30	36	1.21	−3.15	0.31	7.1	9	8	9	14	nw.	Marcus Satterwood.
Grad, Lock 3	Henry	490	24								2.22	−1.61	0.72	11.7	14					Lockmaster.
Glasgow	Barren	780	9	30.4		55	7†	−7	27	36	2.52		0.95	8.0	6	6	15	10	w.	P. L. Beatty.
Grant, Dam 38	Boone	780	10								1.35	−1.25	0.55		9					Lockmaster.
Greensburg	Green	581	42	28.8	−8.5	57	7	−9	27	37	2.31	−1.88	0.73	12.0	10	5	2	24	sw.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	544	33								2.23	−1.88	0.93	6.0	10					Lockmaster.
Irvington	Breckinridge	645	37	30.1	−7.2	55	9	−6	30	32	1.63	−2.27	0.99	10.0	6	8	3	20	nw.	W. J. Piggott
Jamesport	Garrard	1052	9								2.55	−0.61	1.00	8.5	10					Walter Killion.
Leitchfield	Grayson	635	29	29.9	−7.3	58	9	−3	27	30	2.29	−2.40	1.01	10.5	9	7	10	14	nw.	H. H. Willis.
Lexington	Fayette	980	51	28.7	−7.1	55	9	−5	27	29	3.12	−0.65	1.54	17.7	14	8	4	19	sw.	U. S. Weather Bureau.
Lockeckman, Locks 8	Jessamine	560	24								2.63	−1.09	1.00	8.8	8					Lockmaster.
Lockport, Lock 2	Henry	485	25								2.21	−1.59	0.72	9.0	7					Lockmaster.
Louisville	Jefferson	525	62	29.1	−8.5	54	9	−1	27	20	2.17	−1.57	0.99	9.8	10	6	9	16	sw.	U. S. Weather Bureau.
Mammoth Cave	Edmonson			29.1		60	9	−4	27	32	2.61		0.99	13.7	13	7	12	12	w.	Ivan J. Ellsworth.
St. Joun	Bardin	777	39								1.90	−2.55	0.75	8.5	10	13	6	12		Sisters of Loretto.
Salvisa, Lock 6	Mercer	526	21								2.74	−1.46	0.98	10.3	10					Lockmaster.
Shelbyville	Shelby	825	46	27.8	−7.9	53	8	−7	27	31	2.72	−1.30	0.70	10.5	14	8	1	22	nw.	Miss RuthRatta.
Taylorsville	Spencer	489	33	28.2	−8.2	55	8†	−14	30	40	2.45	−0.78	0.81	9.8	10	9	7	15		Elizabeth J. Bourne.
Tyrone, Lock 5	Anderson	524	17								2.37	−1.72	10.6	9.0	10					Lockmaster.
Williamstown	Grant	943	32	28.0	−6.8	57	9	−9	27	29	2.76	−0.76	0.96	8.5	12	4	15	12	w.	Miss Nellie B. Simpson.
Woodbury, Lock 4	Butler	504	18								2.05	−2.03	1.03	6.4	9					Lockmaster.
Eastern Division.																				
Annville	Jackson		4								2.98		1.20	17.2	11	7	2	22	nw.	W. A. Worthington.
Ashland	Boyd	534	16	31.2	−7.5	57	9	−2	27	31	3.86	+0.73	0.83	14.7	15	8	4	19	w.	Lockmaster.
Berea	Madison	1070	30	28.3	−9.7	55a	8	−2a	27	25a	3.72	−0.56	1.25	14.0	12	7	4	20	sw.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	25								3.37	−0.05	1.02	14.1	10					Lockmaster.
Cynthiana	Harrison	664	17								2.78	−1.35	0.82	5.0	9					H. Lemon.
Falmouth	Pendleton	690	46								2.36	−0.58	0.77	7.6	14					J. V. Oldham.
Farmers	Rowan	668	27	29.4	−7.5	58a	9	−14a	27	36	3.45	−0.38	1.26	11.3	9	5	7	19	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	10								4.32	+0.92	1.03		11					C. A. Glascock
Ford, Lock 16	Clark	697	19								2.32	−1.28	1.03		11					Lockmaster.
Greenup, Dam 30	Greenup	540	15								4.29	−1.19	0.62	8.8	14					Lockmaster.
Harlan	Harlan	1197	7	32.5		63	9	0	31	34	3.09		1.08	15.0	7	9	9	22		W. W. Duffield.
Harrod	Berry	869	11								1.99	−2.73	0.98		7					Chas. O. Burig.
Heidelberg, Lock 14	Lee	663	18	29.9		58	9	−9	31	39	2.85	−1.04	0.77	7.0	12	8	3	20	w.	Lockmaster.
Jackson	Breathitt										2.65		0.95	11.0	7					Jas T. Goff.
Jenkins	Letcher	1566	11								1.89	−1.79	0.97		9					R R Davidson.
Louisa	Lawrence	564	31												1					Lockmaster.
Manchester	Clay		15																	Jeanett H. White.
Maysville	Mason	524	36	28.3	7.0	57	9	−9	27	34	2.90	−0.81	0.89	11.0	15	3	7	21	sw.	Lockmaster.
Middlesboro	Bell	1128	39			58	9				2.72	−2.09	1.24	12.0	7	2	23	6		Matthew Woodson
Mount Sterling	Montgomery	950	45	27.6	−8.0	57	9	−8	27	30	1.98	−2.25	0.39	10.5	9	8	4	11	nw.	W. R. McKee.
Oneonta, Dam 39	Campbell	497	8								1.66	−1.81	0.58		12					Lockmaster.
Owingsville	Johnson	567	1								3.37		1.27	9.6	13					Manuel Robinson.
Pikeville	Pike	626	23	31.4		57	9	−4	31	36	2.17	−1.62	0.52	8.6	13	5	5	21	se.	Rowan Repass
Pine Mountain	Harlan																			August D. Angel.
Pippapass	Knott	1025	1	34.4		66	9	−4	31	37	1.65		0.49	10.2	15	4	7	20		Cpass Run Com. Cen.
Quicksand	Breathitt	732	9	29.8	−9.8	61	9	−10	31	43	2.21	−0.84	0.70	9.0	8					R. W. Jones.
Ravenna, Lock 12	Estill	661	17								2.47	−0.94	0.84	10.9	9					Lockmaster.
Richmond	Madison	926	31	30.0	−8.2	57	10	−2	27	24	2.58	−1.70	1.10	5.0	9	8	0	23		J. W. Crooke.
Valley View, Lock 9	Madison	571	22								2.72	−1.39	1.10	8.7	13					Lockmaster.
Vanceburg, Dam 32	Lewis	525	20								2.68	−0.94	0.91	8.5	12					Lockmaster.
Whitesburg	Letcher	1142	10																	H. F. Davis.
Williamsburg	Whitley	976	38	31.6	−9.1	60	9	−3	27	37	2.73	−1.40	1.13	8.0	9	2	15	14		Lockmaster.
Wilton Locks 13	Lee	646	16								2.54	−1.46	0.89	11.0	7					
Eight stations and averages				30.0	−7.8	63	9	−11	27†	43	2.39	−1.46	1.54	9.0	9	8	7	16	w.	

No temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Jamestown, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

a Also on other dates. † Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

‡ Post-office at Pleasant Lock 5, Lawrenceburg, KY.; Lock 6, Versailles, KY.; Lock 9, Nicholasville, Ky.; Lock 10, Red House, Ky.; Oneonta, Catlettsburg, Ky.

Daily Precipitation for December, 1935.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Calloom	G						.03	.22	1.85	.15						T		T			T	T	.[illegible]	.34					T	.[illegible]		.[illegible]
Carlington	G						.02		.14	.01	.04														.04							
Fonds Berry Dam 50	O		F		T.			.38	.35	.48						.03		T			T		T	.[illegible]	T						
Glasgow	G							.28	1.16	.04																						
Henderson	O							.14	1.23													.[illegible]										
Hopkinsville	C						T	.04	.05	T					T.				T	T												
Lovelaceville	M						.15	.45	1.20												T											
Marion	O																															
Mayfield	M						.08	.24	1.54						T							.[illegible]										
Murray	T				T	.46	.24	.45	T	.27					T	T			T		T	.10	T									
Owensboro	O		T	T.		T	.08	.20									T		T		T											
Owensboro, Dam 16	O						.04	.33	.05								T		T			.[illegible]	.[illegible]	.03	T	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	
Paducah	O					.02	.49	.60	.37													T	.[illegible]			.[illegible]						
Paducah (near) ¶	O						.05	.11																								
Princeton	O		T.			.14	.08	.14						T		T			T			.10	.10				2					
Ramsey, Lock No. 2	G							.24	.70													.45	.60			.10	.02	.02				
Russellville	G							.07	.30			T	.40										.15									
Uniontown, Dam 46	O						.20	.25	.25						.02							T	.04		T	.04		.10	.40	.10		
Central Division																																
Addison, Dam 45	O		T.				.04	.22	.62		T.				.02	T.	T.			T		.6.	.07	.67	T	.05	T	.02	.05	T		
Anchorage	O						.08	1.27					.07	.04												.10						
Bandstown	S																					.[illegible]										
Bowling Green	G							.20					.02									.10			.43			.78			
Bowling Green, No. 2	G																															
Brownsville, Lock No. 6	G						.14	.23	.52																							
Burnside	C							.04	.25				.20	.03	.08				T.			.06	.0	T.		.07	T	.02	.11	T		
Carrollton (Lock No. 1)	K						.14	.44	.6		.05		.04																			
Cold Spring, Dam 36	O	T.	T.		T.		T	.9	.8		.10		.06		.04	T.	T.	T.		T		T	.17	.08	T	.06		.01	.02	T		
Danville	K			T.	T.			.09	.70	.26	T.		.21	.12	T.	T.		T.	T.		T		.11	.07	.01	.03			.07	.01		
Dix Dam, Burgin	K							.08	.42				T.				T									.20						
Eubank	C							.04	.80													.50						.09				
Frankfort	K		T.	T.			T	.04	.39	T			.13	T.	T.		T		T	T	.04	.11	.01	T	.24		T	.04	.08	T		
Franklin							.10	.33					.15									.14		.10		.01	.13					
Gen. Lock No. 3	K	.02	.02				.12	.37	.72				.1		.07	.03						.15	.07	.04	.03	.02						
Glasgow	G						.25	.37				.32										.30			.20			.10				
Grant, Dam 38	O						T	.48	.55				.08		.04	.02	T					T	.10	.02				.07	.01			
Greensburg	K		T.				.04	.7	.10			.05	.2									.13	.16	.10		.23		.45				
High Bridge, Lock No. 7	K							.06	.34		T.		.34		T.	T.				T	T.	.44	.4	.2	.01	.18		T	.11	.18		
Irvington	O					T	.28	.9				T								T		T.	.10	T	.30			.20				
Lancaster	K						1.04	.1				.2									.07	.12	.05		.10		.03	.05	.10			
Leitchfield	G						.6	1.1	.21						.02					T		.6	.04		.08			.02	.25			
Lexington	K	.01	T				.52	.86		.01		.23	.14	.03	T.	T.	T.		T.	T		.25	.17	.02	.34	T.		.12	.43	.01		
Little Hickman, Lock No. 8	K							1.05	.36		T.		.30								T	.26	.46		.03				.18		
Lockport, Lock No. 2	K		T.				.14	.43	.72				T				T		T.	T.	T.	.10	.15	.14					.40			
Louisville	O	T.	T.			T	.04	.73		T.		.08		.04	T.	T.	T.		T.	T.		.15	.02	.01	.18			.41	.27			
Mammoth Cave	G					T	.43	.59	.08	T		.09			.01				.02	.01	.12		.10	.02	.02			.02	.07			
St. John	S						.20	.73	.22	.03	T.	T.							T.			.16	.02	.05	.20	T.		.02	.40			
Salvisa, Lock No 6	K						T	.08	.55		T		.29									.09	.17	.09	.06	.08			.24	.25		
Shelbyville	S						.06	.70	.46	.01			.17	.04	.02						1.02	.15	.22	.12	.20				.41	.03		
Taylorsville	S	T.				T	.31	.81	.29			.38	.05		.16				T	T.		.11	.09	T	.07		T	.10				
Tyrone, Lock No. 5	K		T.					.03	.45				.04		T				T		.16	.15	.05	.01	.15	T.		.09	.11			
Williamstown	G						.20	.15	.46	.08			.13		.16				.04			.07	.20	.08	.2				.37			
Woodbury, Lock No. 4	G						.08	1.03	.39													.11	.09			.11		.03	.02			
Eastern Division																																
Annville	C		.65					1.20		.02			.62							T		.02	.22	.65		.05		.03	.38	.31		
Ashland	O		.05					.6	.60		.10		.85	.19		.01	.02	.03				.20	.08			.02			.40	.80		
Berea	K		T.				.03	.07	.2	.01		1.25	.20		.02	T.		T.	T.			.17	.08		.05	.02		.05	.07	T.		
College Hill, Lock No. 11	K							1.02	.10		.8		.31			T.					.21	.25	.05			.07		.05	.70		
Cynthiana	K					.72		T	.32				.10		.05								T.	.10	T.	.20		.01	T	.20	.08	
Falmouth	L	T.	T.		T.		T.	.75	.77	T.	.07		.12		.08	T.	T.	.02	T.	T		.01	.16	.05	.05	.45		.01	.20	.08		
Farmers	L							.05	.45				.07			.04				.05		.21	.25			.38						
Flemingsburg	L							1.16	.95				.42				.25					.24	.22	.18	.30	.17	.38	.48				
Ford, Lock No. 10	K		T					1.0	.28		.02				T	T.	T.	T.		T.	T.	.01	.22	.08	.01	.18	T.		.09	.2	T	
Greenup, Dam 30	O		.01					.48	.62		.02		.53	.10	.01	.04						.01	.16	.16		.04			.07	.06		
Harlan	K		.05					.80		.01		1.18		T.			T.			T.	T	.2.		T.		.8.			.46			
Harrod	K							.32		.19			.06			.05				T.	T.	.09	T.	T.	T.	T.	.27			.09		
Heidelberg, Lock No. 14	K		T.		.02			.42	.45										T.	.03	.80	.15	.05	.04	.02	T.		.24	.30		
Jackson	K								.60				.26									.10	.20	T	.20			.22	.10		
Jenkins	B				.03			.15		.15			.07							.05	.14	.09						.20	.11		
London	B							.73	.36				.01	.07																		
Manchester	K																															
Maysville							.03	.76	.80		.01		.26		.03	.04		.01		.01		.17		.10	.06		.01	.07	.37		
Middlesboro	C							.23	.05			.30		1.21								.20			.20			.46			
Mount Sterling	L						.50		.10	.02		.21	.20		T				T	T.		.17	.19	T.			.56			.09		
Oneonta Dam 35	O	T.	T.	T.	T.		T	.5.	.5.		.07		.1.		.03	.02	T	T		.02		T	.04	.05	T	.02		T	.06	.05	T	
Paintsville	B							.03	.24		.10		1.27	.03		.05		.01		.02			.17	.05		.08			.21	.40		
Pikeville	B																															
Pine Mountain	K																															
Pippapass	K		T.		.01			.25	.10	.16	T	.07	.10	.03	T.	.16	T.	T.	.05			.13	.06	.03	.05	T.	.02		.43	T		
Quicksand	K		T				.76	.31			T.	.52		.28								.50	.20					.29	.10		
Ravenna, Lock No. 12	K		T.				T.	.84	.25		T		.36			T.	T.		T.	T.	.06	.14	.60	.07		T	T.	.57	.3.		
Richmond	K							1.05	.50				.22	.20	.05								T	.10	.05	.10			.26			
Valley View, Lock No. 9	K		T					1.10	.20		.05		.35		.04			T.				.48	.2.	.04	.05	.05			.20			
Vanceburg, Dam No. 32	O						.01	.77	.91				.41	.4.	.02	.04						.12	.6.		.15			.05	.10			
Whitesburg	K																															
Williamsburg													1.13									.8	.54	.21	.10	.25	.07	.28	.09		
Willow, Lock No. 13	K							.80	.40		T		.60			T.						.02	.6.	T	T		T		.60	.10		

Except as otherwise indicated observations are generally made at the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) R. solar Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

— Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than .005 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

‡ Lone Oak §0.10.

Daily Temperatures for December, 1835.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	51	37	45	41	50	45	52	57	59	55	40	36	42	44	44	38	43	45	42	30	23	...	...	...	...	...	56	27	27	28	35	.....
	Minimum	36	20	22	23	18	29	41	48	38	34	21	27	25	34	38	33	33	31	26	12	...	...	...	...	...	...	...	...	...	...	...	.....
Earlington	Maximum	52	36	45	39	48	45	54	58	58	58	37	37	42	45	47	39	45	47	48	31	23	31	33	33	27	24	22	25	27	30	35	39.1
	Minimum	30	32	20	23	16	26	48	50	33	44	24	27	21	33	41	34	35	32	25	13	8	22	18	30	22	10	9	2	17	22	27	24.6
Greenville	Maximum	46	36	45	41	50	45	52	59	60	48	37	35	43	42	46	...	45	48	44	29	22	30	37	30	26	24	20	28	31	34	31	*28.4
	Minimum	35	18	15	22	14	23	40	47	33	34	19	25	25	31	36	...	30	27	21	12	4	20	28	20	9	4	3	14	20	4	23	*21.9
Henderson	Maximum	41	38	41	43	41	47	46	56	59	49	31	32	39	45	41	44	47	46	42	35	36	36	24	26	19	13	10	7	4 —	2	1	0 — 2 — 2 — 4	17.4
	Minimum	18	16	18	18	21	32	37	41	36	29	19	17	21	18	21	23	32	28	24	26	19	13	10	7	4 —	2	1	0 — 2 — 2 — 4				17.4
Hopkinsville	Maximum	49	36	45	42	50	45	51	59	60	52	39	36	45	42	41	37	46	49	43	30	21	28	22	11	8	4	17	21 — 1		25	28	28.7
	Minimum	29	22	17	24	16	28	42	48	36	37	21	27	24	32	37	32	33	26	25	14	8	21	28	22	11	8	4	17	21 — 1		25	23.7
Lovelaceville	Maximum	55	38	42	40	48	44	58	56	59	50	40	40	44	45	45	38	47	47	44	31	23	32	38	33	29	25	29	29	28	30	36	39.5
	Minimum	30	22	16	22	15	26	42	51	30	36	20	25	22	29	37	32	29	28	25	15	6	22	30	19	15	11	2	18	19 — 10		21	22.7
Marion	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Mayfield	Maximum	54	40	42	42	50	48	54	57	59	54	40	41	44	46	45	44	49	51	46	33	24	32	41	35	29	33	28	25	28	33	36	41.8
	Minimum	32	22	20	28	21	31	45	51	34	39	23	27	23	36	38	34	29	30	29	15	11	23	30	10	16	11	6	18	20	1	26	25.3
Murray	Maximum	47	40	45	43	52	49	55	62	57	49	39	40	40	49	50	40	48	51	48	32	25	32	50	38	27	28	29	20	22 — 4		28	41.2
	Minimum	30	20	18	25	14	23	43	52	42	34	20	28	21	26	38	34	28	26	24	15	7	28	31	21	19	11	5	19	22 — 4		28	23.8
Owensboro	Maximum	45	44	51	41	46	42	51	55	57	46	37	35	43	39	45	40	44	42	38	30	24	32	42	35	29	20	15	14	24	26	32	39.2
	Minimum	27	17	17	20	15	28	39	45	31	29	20	27	19	32	35	33	29	28	23	9	7	18	19	18	4	6 —	2	12	19 — 10		22	20.4
Princeton	Maximum	47	38	47	42	50	46	53	57	61	45	39	37	42	45	45	39	47	48	40	32	28	31	37	32	29	25	24	25	28	30	36	39.4
	Minimum	30	28	17	23	16	26	43	50	34	35	21	27	24	35	39	34	32	26	25	18	7	22	29	20	10	8	2	17	20 — 3		27	23.5
Russellville§§	Maximum	41	35	45	41	49	50	52	56	59	45	36	34	39	45	45	42	43	46	42	33	24	34	39	34	30	27	26	22	25	26	32	38.0
	Minimum	21	21	16	19	11	19	37	46	35	35	19	22	26	36	35	32	31	36	26	14	5	11	23	28	18	3	10	14	15	8	2	21.6
Central Division.																																	
Anchorage	Maximum	40	36	40	37	45	48	47	52	56	41	37	35	40	42	43	42	40	43	36	23	24	36	34	30	23	18	15	25	23	25	31	35.4
	Minimum	28	20	15	14	12	21	40	40	38	29	15	25	31	36	36	32	26	23	24	7	2	20	28	...	...	3	6 —	11	8	20 —	9	19.1
Bardstown	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Bowling Green	Maximum	45	43	44	41	47	46	46	56	58	52	44	36	39	43	44	38	44	48	43	28	24	39	38	34	28	36	23	36	27	38	34	40.2
	Minimum	21	28	18	26	17	24	39	48	46	36	24	28	34	36	38	34	30	28	17	9	23	28	27	17	7	5	16	28	4	22	20	25.1
Danville	Maximum	48	31	40	38	46	47	52	55	56	48	35	30	35	41	44	36	39	39	26	25	29	35	43	36	26	24	27	24	26	24	26	36.3
	Minimum	31	23	18	21	14	20	29	46	43	29	19	23	32	34	35	30	32	30	24	11	3	19	27	24	10	2	8	10	19	7	4	21.9
Dix Dam	Maximum	45	37	43	43	48	49	52	58	58	55	45	38	42	44	43	38	44	43	43	24	14	5	18	26	20	6	8 —	2	10	22	8	6	24.2
	Minimum	32	25	21	22	16	24	42	52	42	32	21	27	34	37	40	33	30	30	24	14	5	18	26	20	6	8 —	2	10	22	8	6	24.2
Eubank	Maximum	46	43	41	41	40	46	45	56	60	44	38	38	41	40	35	35	41	46	36	29	30	29	20	22	23	26	34	25	26	30	36.6
	Minimum	30	26	21	20	11	17	31	35	38	24	18	26	30	35	33	29	30	26	22	22	9	16	11	7	1	0 —	8	8	1	4	11	18.5
Frankfort	Maximum	41	35	41	39	47	48	49	56	58	52	38	38	40	43	45	41	48	44	44	21	24	30	38	32	27	24	17	24	24	29	31	37.2
	Minimum	32	24	19	20	14	20	39	46	42	31	20	25	32	36	37	32	31	24	24	18	4	14	29	26	3	3 —	5	10	21	20	5	22.0
Franklin	Maximum	46	39	45	43	54	51	54	60	61	52	36	35	45	45	48	38	45	55	45	32	26	42	50	34	28	28	24	24	28	34	38	40.5
	Minimum	29	22	18	25	18	26	43	49	39	35	22	29	32	36	38	34	34	34	28	16	8	22	29	23	13	7	5	17	23	8	25	25.8
Glasgow	Maximum	46	39	43	40	50	47	55	56	55	52	41	34	38	38	40	38	42	50	34	29	28	32	38	38	32	26	27	25	25	30	40	39.2
	Minimum	27	20	15	20	14	24	40	47	36	28	20	26	32	36	36	33	33	33	28	26	31	33	35	24	24	21	27	26	32	30	37.5
Greensburg	Maximum	46	33	43	39	38	43	57	55	55	52	34	34	39	41	34	39	48	43	28	26	31	33	35	24	24	21	5	1 —	9	11	26 —	7	12	20.0
	Minimum	29	22	13	20	10	16	34	45	40	31	17	28	34	34	36	31	29	23	20	12	1	19	26	24	5	1 —	9	11	26 —	7	12	20.0
Irvington	Maximum	43	34	42	40	45	49	50	54	55	49	36	36	41	46	44	38	39	43	37	27	25	32	35	26	24	19	15	25	24	27	33	36.5
	Minimum	29	22	18	23	20	19	39	46	42	27	22	27	32	37	36	33	33	30	29	22	28	31	33	24	19	16	25	20	30	32	36.7
Leitchfield	Maximum	44	36	37	32	44	43	49	58	60	55	35	34	34	45	44	39	45	43	38	29	22	28	31	33	24	19	16	25	28	26	33	37.2
	Minimum	29	17	26	22	12	20	40	47	44	32	16	28	32	33	36	33	30	30	23	18	2	21	28	25	21	17	13	23	21	24	29	31.9
Lexington	Maximum	31	29	38	36	42	41	47	46	56	40	28	34	38	42	42	35	34	31	29	25	21	28	29	28	22	17	13	23	21	24	26	32.2
	Minimum	26	18	15	17	13	21	39	41	37	25	18	20	26	35	35	31	27	25	21	10	4	18	21	21	2	3 —	10	10	12 —	13	7	16.8
Louisville	Maximum	38	32	35	32	45	47	51	54	55	47	35	35	37	39	43	37	43	41	31	23	20	30	33	29	24	21	11	23	24	25	30	33.5
	Minimum	26	19	24	16	26	30	42	48	42	27	22	27	32	37	36	33	33	30	23	18	2	21	28	25	21	17	13	23	21	24	29	31.9
Mammoth Cave	Maximum	44	36	37	32	44	43	49	58	60	55	35	34	34	45	44	39	45	43	38	29	22	28	31	33	24	19	16	25	28	26	33	37.2
	Minimum	29	17	26	22	12	20	40	47	44	32	16	28	32	33	36	33	30	30	23	18	2	21	28	25	21	17	13	23	21	24	29	31.9
St. John	Maximum	31	29	38	36	42	41	47	46	56	40	28	34	38	42	42	35	34	31	29	25	21	28	29	28	22	17	13	23	21	24	26	32.2
	Minimum	26	18	15	17	13	21	39	41	37	25	18	20	26	35	35	31	27	25	21	10	4	18	21	21	2	3 —	10	10	12 —	13	7	16.8
Shelbyville	Maximum	3	31	39	36	46	48	53	52	47	36	35	38	42	41	36	36	45	41	25	24	28	31	33	27	21	2	2 —	7	8	19	4	7	20.6
	Minimum	29	22	18	15	15	24	39	45	39	30	20	24	30	35	36	31	29	25	22	12	5	21	28	13	4	5 —	9	10	26 —	14	5	20.2
Taylorsville	Maximum	40	33	41	38	44	49	48	55	55	47	36	37	39	43	45	39	43	45	36	28	30	28	24	32	24	21	13	4	5 —	9	10	26 —	14 —	5	20.2
	Minimum	30	22	17	18	12	19	37	45	39	29	20	25	32	36	36	33	30	28	23	12	5	21	28	13	4	5 —	9	10	26 —	14	5	20.2
Williamstown	Maximum	39	32	39	37	47	45	45	52	57	48	35	36	39	41	43	37	35	41	33	23	22	26	34	34	34	22	18	26	23	24	30	35.3
	Minimum	31	22	21	18	18	26	37	45	41	28	29	24	32	34	35	31	29	26	22	10	6	11	26	22	12	2	2 —	1	9	9	18	6	6	20.6
Eastern Division.																																	
Ashland	Maximum	41	36	39	40	46	45	53	53	57	52	41	41	39	45	46	43	44	45	40	25	22	28	35	34	31	25	26	25	28	26	30	38.2
	Minimum	31	26	24	22	17	24	33	41	42	34	21	27	34	37	36	32	29	32	26	14	7	11	24	17	11	8	5 —	2	12	21	16 —	1	24.1
Berea	Maximum	44	35	37	37	47	47	52	54	57	52	39	39	41	43	45	41	46	47	42	28	25	31	37	36	27	26	31	25	27	28	32	39.3
	Minimum	33	18	18	19	21	21	42	45	43	30	18	21	31	34	36	30	32	24	13	3	3	13	26	24	24	21	2	1	22	22	27	28	31	28.9
Farmers	Maximum	45	36	42	40	41	42	56	54	58	53	38	44	39	46	46	43	45	44	42	27	26	31	35	34	23	...	0 —	14	8	18	11	13	*20.0
	Minimum	33	23	17	19	8	15	33	42	46	29	15	25	30	36	37	32	29	28	14	12	11	0	12	23	23	...	0 —	14	8	18	11	13	*20.0
Harlan §§	Maximum	48	38	41	44	52	47	51	54	53	51	41	42	39	45	51	41	42	39	45	51	42	34	38	50	38	32	30	35	31	32	30	26	40.0
	Minimum	26	28	19	34	18	21	40	48	45	35	27	30	35	37	39	36	36	32	26	26	14	6	18	26	26	18	4	2	16	26	18	9	25.0
Heidelberg	Maximum	39	37	39	39	50	45	50	56	58	49	36	37	36	42	45	42	46	42	40	28	24	29	32	36	29	20	19	26	24	24	28	36.8
	Minimum	35	25	17	20	11	18	34	45	46	31	24	26	32	35	38	34	32	26	25	15	3	16	25	23	14	7	2	16	20	19	27	24	23.5
Maysville	Maximum	39	36	41	37	47	47	52	56	57	48	40	40	45	42	45	42	45	45	42	33	30	32	38	36	29	25	25	30	29	28	31	36.6
	Minimum	33	24	24	19	13	21	35	41	42	32	19	23	31	35	37	33	33	30	22	23	11	2	5	16	24	5	0 —	9	4	18	6	4	19.3
Middlesboro	Maximum	43	41	39	39	46	48	50	51	58	54	47	42	38	43	49	43	45	48	47	31	25	28	36	38	31	22	22	26	32	32	34	39.2
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Mount Sterling	Maximum	41	31	40	32	46	46	53	53	57	48	35	30	36	40	46	37	38	34	33	23	18	28	36	25	26	18	8	22	25	23	27	31	8
	Minimum	28	23	17	15	15	21	38	45	38	35	15	28	30	33	36	31	31	24	22	11	0	12	21	25	0	5 —	8	6	15	5	0	20.2
Pikeville	Maximum	44	37	41	39	48	48	56	55	57	54	51	51	48	51	53	48	51	50	47	36	29	33	37	37	29	23	22	28	32	33	37	39	92	39.9
	Minimum	30	28	23	20	23	18	34	41	41	32	28	25	30	35	36	30	30	28	24	15	4	11	22	28	13	7	2	11	22	10	23	1	23.1
Pippapass	Maximum	47	39	42	42	53	54	58	59	66	56	43	39	38	43	55	36	35	47	47	34	25	31	35	35	32	24	21	25	27	33	32	39	46.6
	Minimum	36	26	19	24	16	18	39	48	49	34	25	25	32	34	31	35	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	39.9
Quicksand	Maximum	44	38	42	40	50	51	50	58	58	54	50	44	39	44	49	46	46	46	37	26	24	25	30	30	28	25	18	2	16	26	32	39	9 — 10	19.6
	Minimum	32	23	20	23	20	23	39	41	40	35	32	32	33	36	36	33	33	29	20	18	4	19	20	25	18	2	4 —	8	8	19	21	36	23	23.4
Richmond	Maximum	41	32	37	40	49	50	55	58	59	49	37	36	39	42	45	41	43	45	41	30	28	30	34	34	29	21	20	7	4 —	6	8	19	4	23.0
	Minimum	32	23	16	25	11	10	33	45	36	33	19	24	32	35	36	32	32	27	24	15	3	18	27	31	24	24	20	23	18	26	25	25	25	25.0
Williamsburg	Maximum	44	38	42	40	50	51	50	58	61	54	39	39	38	44	49	46	46	46	37	26	24	28	30	28	15	4	19	20	25	18	2	16	26	12	8	23.4
	Minimum	32	23	20	23	20	23	39	41	40	35	32	32	33	36	36	33	33	29	20	18	4	19	20	25	18	2	4 —	8	8	19	21	36	23	23.4
	Maximum	51	38	43	44	50	46	55	58	60	56	33	36	38	39	40	44	41	49	50	27	28	26	36	36	27	26	23	27	31	29	31	36	40.7
	Minimum	24	24	17	24	13	19	43	49	48	32	22	24	28	30	34	32	33	27	25	13	11	5	22	21	6	13 —	3	10	14	14	9	22.6

§ Instruments are read in the morning, the maximum temperature thus read is charged to the preceding day, on which it almost always occurs.

§§ Data for Harlan commence with 2. Data for Russellville 11 days missing from record.

Data for Louisville 11 days missing.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XL. LOUISVILLE, KY., ANNUAL, 1935 No. 13

GENERAL SUMMARY.

Heavy rains late in January finally replenished surface water supplies in the northern and eastern uplands. They softened the subsoil for the extensive plowing that followed in the mild and relatively dry February and the first decade of March. Excessive and prolonged rainfall in March, particularly in the southern half of the State, prevented most spring work and started the wet spell that continued with brief interruptions until late in June. This wet weather was most pronounced and damaging in the southern and western districts. The earlier rains of the wet period benefited the northern and eastern uplands by further additions to ground water. In those sections the dry intervals were longer, and interference with seasonal planting and cultivation was less serious.

Abnormal warmth in February and March advanced early vegetation to a remarkable degree, resulting in extensive damage to the prematurely developed fruit by the severe freezes near the middle of April. The persistent low temperatures of April, May and June adversely affected planting and spring growth. The injurious effects of this long cool period with its lack of sunshine, were most seriously felt in the flat and lowland districts of the western counties, where crops were drowning from standing water and supersaturation of soil. Except in the well drained uplands, where fairly good cultivation was possible, extreme weediness resulted from these conditions. The prevailing high temperature of July and August partly overcame the effects of the cool early season, but on account of weediness and lack of sufficient cultivation, as well as deficient rain in considerable sections, the heat was often more injurious than helpful. The change to dry warm weather came in time for wheat harvest, but was too late to fill the heads. Cool weather in September delayed maturing of crops, but the light rainfall was more favorable than otherwise for late tobacco and corn. Warm weather in October and a general moisture deficiency hindered fall plowing and seeding. Grains germinated unduly late and grew too slowly. The November warmth and moisture greatly improved their condition and caused them to develop to fair size before growth ceased. Frequent light rains and long periods of moist atmosphere in November and December were exceptionally favorable for handling tobacco.

The Weather By Months.

JANUARY.---Mild weather during the first three weeks started grass and winter grains. Swollen buds appeared on early blooming trees and shrubs. Because of the relative dryness of the surface soil, the freezes late in the month had no injurious effect of consequence on wheat. Dry weather interfered with tobacco handling.

FEBRUARY.---Frequency and duration of precipitation favored the stripping and marketing of tobacco. The untimely advance of vegetation was checked by a cold wave near the end. Moisture continued to drain into the subsoil, leaving the surface of grain fields in good condition to withstand the freezes.

MARCH.---Most tobacco plantbeds were sown during the dry period early in the month. The wet weather that followed prevented potato planting and early gardening. The humid conditions favored the completion of delayed tobacco stripping and marketing.

APRIL.---Wet weather prevented the sowing of most oats, and delayed gardening and potato planting. Floods that covered about 75,000 acres of western bottom land subsided during the third week. Wheat and grass grew rank on uplands, but were largely drowned by standing water on low ground.

MAY.---There were only two short periods favorable for corn planting. Wet weather largely prevented the preparation of corn and tobacco land. Cloudiness and showers interfered seriously with early haymaking. Gardens were exceptionally backward and poor.

JUNE.---Gardens, potatoes and other early crops suffered from weediness and lack of cultivation. Heavy rains caused lodging of wheat and damaged shock barley. Corn planting continued when possible, but much land in the western counties could not be made ready.

JULY.---Early corn could not be given thorough cultivation, and was laid by in poor condition to resist mid summer heat. Hardpanning of soil interfered with tillage. The poor quality and yield of grain showed the effect of the wet spring.

AUGUST.---The dryness of the first half retarded tobacco, but rapid growth followed the rains of the third week. The warm dry weather of the first two weeks favored late crops and favored the making of hay. Late potatoes did not have enough moisture. Hill and upland pastures began to deteriorate.

SEPTEMBER.---Rough pressure and dry weather in the last half of the month helped late crops and favored the making of hay. Late potatoes did not have enough moisture. Hill and upland pastures began to deteriorate.

OCTOBER.---Showers late in the month were beneficial for seeding, but inadequate to maintain growth. Late potatoes failed to develop completely. Frosts in the first week caused extensive damage to late corn. Pastures became very poor.

NOVEMBER.---Fall grains did not reach the usual size before growth ceased. Cloudiness and extended rainfall were unfavorable for shocked corn. Pastures revived to grazing stage before the freezes stopped their growth.

DECEMBER.---Muddy fields in the first half and severe weather with heavy snow later on interfered with corn gathering. The soil froze deeply without cover, but its well drained condition prevented much damage to grains.

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature.				Precipitation					Number of Days.		
	Mean.	*Departure.	Highest.	Lowest.	Average.	*Departure.	Greatest Annual	Least Annual	Snowfall.	Clear.	Pt. Cldy.	Cloudy.
1889	55.6	−1.1	101	3	35.97	− 9.68	44.68	33.80	....	....	....	....
1890	57.1	+0.4	101	4	58.82	+13.17	67.32	47.88	....	....	....	....
1891	56.3	0.0	103	0	49.69	+ 4.04	55.56	39.20	....	....	....	....
1892	55.3	−1.6	101	− 6	44.25	− 1.78	59.51	32.12	....	....	....	....
1893	55.5	−1.4	101	−22	44.71	− 1.32	56.82	35.15	....	....	....	....
1894	57.1	+0.4	105	−12	34.81	−11.22	....	....	....	....	....	....
1895	55.0	−1.7	104	−18	48.47	− 7.54	....	....	....	156	103	104
1896	57.6	+0.9	106	12	41.08	− 1.35	54.60	29.34	....	94	164	111	104
1897	57.2	+0.5	107	−16	46.72	+ 0.97	60.47	39.26	8.1	111	168	87	109
1898	57.2	+0.5	105	−12	52.38	+ 6.73	67.40	45.13	12.5	103	163	110	102
1899	56.4	−0.3	105	−30	46.38	+ 0.73	58.44	36.51	4.6	142	185	105	106
1900	57.7	+1.0	104	− 9	44.40	− 1.63	59.33	27.79	12.9	116	166	102	104
1901	55.2	−1.4	102	−22	35.65	−10.00	58.79	17.39	11.7	88	164	85	111
1902	56.5	−0.2	107	− 2	44.35	− 1.30	59.20	29.78	14.0	102	162	91	112
1903	55.8	−0.9	104	−16	41.16	− 4.49	63.94	20.70	12.9	106	170	89	106
1904	55.3	−1.4	100	− 9	35.19	−10.55	42.94	24.90	9.7	100	162	88	116
1905	55.8	−0.9	106	−16	47.68	+ 2.03	60.12	36.46	18.1	114	161	78	126
1906	57.0	+0.3	100	12	48.81	+ 3.16	62.70	38.58	14.5	118	152	78	135
1907	56.1	−0.6	102	−11	47.76	+ 2.11	69.50	30.58	14.5	119	158	73	137
1908	57.7	+1.0	104	2	41.94	− 3.71	58.69	27.20	9.5	106	166	82	115
1909	56.5	−0.2	104	−14	51.14	+ 5.49	70.34	42.00	10.6	108	158	82	125
1910	55.3	−1.4	100	−20	50.67	+ 5.02	59.69	36.18	20.6	111	168	74	123
1911	58.0	+1.3	106	−16	46.77	+ 1.12	59.44	35.45	6.6	117	155	67	144
1912	54.6	−2.1	103	−20	47.13	+ 2.48	57.14	38.60	7.0	108	163	74	127
1913	57.9	+1.4	103	− 2	47.46	+ 1.81	66.62	30.66	5.8	107	165	77	123
1914	56.3	−0.4	100	−16	41.80	− 3.85	57.40	32.63	22.7	108	169	80	122
1915	56.2	−0.5	102	0	51.92	+ 6.27	66.33	39.32	14.4	114	150	90	122
1916	56.2	−0.5	102	−14	45.49	− 0.16	55.78	35.34	23.9	106	154	87	106
1917	53.5	−3.2	100	−21	46.01	+ 0.36	64.54	25.36	42.8	106	155	91	119
1918	56.5	−0.2	111	−20	40.64	− 5.01	69.43	34.15	21.9	105	159	87	119
1919	57.9	+1.2	104	− 1	52.13	+ 6.48	66.42	40.79	8.7	116	150	81	114
1920	55.5	−1.2	100	6	46.90	+ 1.25	64.06	36.17	9.1	104	154	81	131
1921	60.1	+3.4	106	11	49.42	+ 3.77	56.26	41.65	13.6	115	140	94	111
1922	58.5	+1.8	103	1	44.43	− 1.22	61.15	33.28	5.0	119	150	87	108
1923	57.1	+0.4	99	− 4	53.92	+ 8.27	74.18	41.63	3.9	115	161	81	123
1924	53.0	−1.7	103	− 9	42.78	− 2.87	58.26	30.68	6.2	105	169	79	118
1925	57.6	+0.9	110	− 9	41.11	− 4.54	52.40	31.17	10.1	104	168	85	112
1926	56.1	−0.6	107	−11	49.95	+ 4.30	62.03	34.28	15.1	109	149	89	111
1927	57.8	+1.1	103	− 3	53.45	+ 7.80	72.58	39.84	10.5	123	157	85	120
1928	56.0	−0.7	101	− 8	45.01	− 0.64	55.48	34.74	6.2	111	166	89	111
1929	56.2	−0.5	101	−15	48.46	− 2.81	64.36	28.88	25.4	121	155	89	124
1930	57.6	+0.9	104	−20	37.80	−13.79	48.13	18.20	9.1	95	155	87	103
1931	59.0	+2.3	106	− 9	41.58	− 3.65	51.38	32.86	4.6	114	165	77	123
1932	57.7	+1.0	103	− 8	44.19	− 0.98	64.52	34.48	1.0	117	172	76	118
1933	58.4	+1.7	106	− 9	50.61	+ 4.97	66.87	39.82	6.8	118	154	93	118
1934	55.6	+0.9	110	19	37.14	− 8.50	55.66	19.41	11.8	109	171	85	104
1935	56.5	+0.1	105	14	57.40	+11.76	70.21	28.70	2.7	151	161	53	121
Record	57.7		111	−30	43.64	....	74.18	17.39	11.8	109	169	87	117

*Comparison with 47 year normal. †47 year average.

Climatological Data for the Year 1935.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number of days				Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION																				
Calhoun	McLean	487	32	.....	101	Aug. 6	4	Jan. 24	33	61.13	13.18	Mar.	1.69	Feb.	7.4	135	63	207	95	sw.
Earlington	Hopkins	420	46	58.9	101	Aug. 7†	− 2	Dec. 30	46	66.42	14.06	Mar.	1.31	Sept.	8.5	128	168	69	133	sw.
Ford's Ferry	Critterden	382	.....	.....	.....	.....	.....	.....	7	61.39	10.10	Mar.	1.11	Sept.	5.6	124	.....	.....	.....	.....
Greenville	Muhlenburg	519	19	57.0	100	Aug. 11	0	Jan. 24	19	64.42	12.20	Mar.	1.80	Oct	10.5	116	179	121	65	s.
Henderson	Henderson	382	4	.....	102	July 31*	− 4	Dec. 31	4	.....	11.60	Mar.	1.10	Feb.	9.0	.....	.....	.....	.....	n.
Hopkinsville	Christian	524	40	58.1	102	Aug. 11	− 1	Dec. 30	40	50.91	9.41	Mar.	1.99	Aug.	11.4	123	122	68	175	se.
Lovelaceville	Ballard	450	7	.....	105	Aug. 6	−10	Dec. 30	7	.....	13.29	Mar.	1.54	Sept.	8.5	.....	.....	.....	.....	s.
Marion	Crittenden	571	36	.....	.....	.....	2	Jan. 24	34	.....	12.85	Mar.	.....	.....	.....	.....	.....	.....	.....	.....
Mayfield	Graves	394	27	59.3	102	Aug. 11	1	Dec. 30	27	51.69	12.24	Mar.	1.17	Sept.	7.0	93	162	112	91	s.
Murray	Calloway	412	10	.....	103	July 31	− 4	Dec. 30	10	53 94	11.90	Mar.	1.92	Sept.	12.4	93	160	96	115	s
Owensboro	Daviess	479	39	55.9	97	Aug. 6†	10	Dec. 30	39	47.18	7.55	Mar.	1.09	Sept.	8.0	106	173	86	136	nw.
Owensboro Dam 46	Daviess	479	.....	.....	.....	.....	.....	.....	8	44.93	10.20	Mar.	0.88	Sept.	8.9	123	.....	.....	.....	.....
Paducah	McCracken	341	.....	.....	.....	.....	.....	.....	19	53.65	13.29	Mar.	0.86	July	8.7	126	167	69	139	.....
Paducah (near)	McCracken	516	.....	.....	.....	.....	.....	.....	47	52.74	13.62	Mar.	1.00	July	.....	72	.....	.....	.....	.....
Princeton	Caldwell	529	29	58.9	101	Aug. 11	− 8	Dec. 30	31	60 52	14.65	Mar.	1.41	July	7.5	128	114	128	123	n.
Ramsey, Lock 2	McLean	384	.....	.....	.....	.....	.....	.....	16	56.56	13.13	Mar.	1.35	Feb.	9.6	105	.....	.....	.....	.....
Russellville	Logan	540	24	56.9	102	Aug. 7	0	Jan. 24	24	56 93	10.66	June	1.27	Oct.	10.7	116	.....	.....	.....	s.
Uniontown Dam 49	Union	314	.....	.....	.....	.....	.....	.....	7	46.94	10.08	Mar.	1.18	Aug.	5.1	122	.....	.....	.....	.....
CENTRAL DIVISION.																				
Addison Dam 45	Breckinridge	352	.....	.....	.....	.....	.....	.....	8	51.57	9.04	Mar.	0.82	Sept.	8.5	131	.....	.....	.....	.....
Anchorage	Jefferson	700	35	54.2	94	Aug. 12	−11	Dec. 27	56	44.17	8 67	May	0.53	Feb.	17.9	98	174	82	109	sw.
Bardstown	Nelson	637	39	.....	100	Aug. 12	0	Jan. 24	39	.....	8.75	May	2.42	Feb.	.....	.....	.....	.....	.....	.....
Bowling Green	Warren	500	47	58.8	102	Aug. 7†	4	Dec. 30	48	63.59	10.72	Mar.	1.56	Oct.	2.5	120	163	109	103	w.
Bowling Green No. 2	Warren	462	.....	.....	.....	.....	.....	.....	11	.....	10.67	Mar.	.....	.....	.....	.....	.....	.....	.....	.....
Brownsville, Lock 6	Edmonson	410	.....	.....	.....	.....	.....	.....	19	57.46	10.24	Mar.	1.79	Sept.	18.7	136	.....	.....	.....	.....
Burnside	Pulaski	773	.....	.....	.....	.....	.....	.....	45	62.66	11.62	Mar.	1.58	Dec.	8.2	117	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	422	.....	.....	.....	.....	.....	.....	37	47.20	7.25	Aug.	1.04	Feb.	.....	97	.....	.....	.....	.....
Cave Spring	Campbell	489	.....	.....	.....	.....	.....	.....	9	58.76	6.62	Aug.	1.21	Feb.	12.5	130	.....	.....	.....	.....
Danville	Boyle	953	3	55.4	95	Aug. 6†	1	Jan. 24	3	61.41	11.20	Mar.	2.00	Oct	14.3	142	115	98	152	sw.
Dix Dam, Burgin	Mercer	780	12	57.4	98	Aug. 24	− 2	Dec. 27	12	52.76	7.91	Mar.	1.72	Oct.	12.6	98	141	93	131	s.
Fitzpatrick	Pulaski	1,177	42	.....	94	Aug. 7†	− 8	Dec. 27	42	.....	10.42	Mar.	1.58	Aug.	12.0	.....	.....	.....	.....	s.
Frankfort	Franklin	544	44	56.5	98	Aug. 12	− 5	Dec. 27	45	60.66	8.54	Aug.	1.55	Feb.	13.3	133	147	68	150	w.
Frankfort	Simpson	691	39	59.7	104	Aug. 11	2	Jan. 24	29	58.22	9.99	Mar.	1.16	Oct.	13.1	130	147	110	108	s.
Gest, Lock 3	Henry	449	.....	.....	.....	.....	.....	.....	30	52 05	8.07	May	1.77	Sept.	15 6	124	.....	.....	.....	.....
Glasgow	Barren	787	10	57.2	98	Aug. 7	− 7	Dec. 27	10	.....	12.78	Mar.	2.20	Oct.	15.0	.....	.....	.....	.....	e.
Grant	Boone	806	.....	.....	.....	.....	.....	.....	11	35.89	4.94	May	1.11	Feb	.....	122	.....	.....	.....	.....
Greensburg	Green	581	43	55.7	99	July 31	− 9	Dec. 27	47	66.82	10.13	Mar.	2.21	Apr.	16.0	152	61	27	277	s.
High Bridge, Lock 7	Jessamine	550	.....	.....	.....	.....	.....	.....	34	54.56	7.86	Mar.	1.59	Oct.	.....	135	.....	.....	.....	.....
Irvington	Breckenridge	646	38	.....	94	July 31†	− 5	Dec. 30	38	.....	9.30	Mar.	0.72	Sept.	13.0	.....	.....	.....	.....	sw.
Lancaster	Garrard	1,032	.....	.....	.....	.....	.....	.....	10	70.21	11.37	Mar.	1.91	Oct.	.....	122	.....	.....	.....	.....
Leitchfield	Grayson	645	40	56.9	97	Aug. 1	− 3	Dec. 27	40	61.12	12.03	Mar.	1.61	Sept.	14.5	143	123	123	139	sw.
Lexington	Fayette	989	52	55.4	99	July 16	− 5	Dec. 27	53	65.76	10.32	May	2.23	Feb.	22.3	152	109	74	181	sw.
Lake Dickman, Lock 8	Jessamine	523	.....	.....	.....	.....	.....	.....	28	58.34	10.20	Mar.	2.11	Oct.	11.3	106	.....	.....	.....	.....
Lockport, Lock 2	Henry	476	.....	.....	.....	.....	.....	.....	28	54.83	9 24	May	1.57	Feb.	11.0	97	.....	.....	.....	.....
LOUISVILLE	Jefferson	525	63	56.4	96	July 31	− 1	Dec. 27	65	45.30	8 61	May	1 36	Feb.	13.4	126	118	100	147	n.
Mammoth Cave	.....	.....	1	.....	98	July 8	− 4	Dec. 27	1	.....	.....	.....	1.43	Oct.	.....	.....	.....	.....	.....	w.
Stephen	Hardin	777	40	.....	97	Aug. 14	.....	.....	40	55.66	9 23	Mar.	1.52	Sept	11.4	120	219	38	108	.....
Salvisa, Lock 6	Mercer	490	.....	.....	.....	.....	.....	.....	22	55 89	8 41	Mar.	2.52	Oct.	.....	102	.....	.....	.....	.....
Shelbyville	Shelby	825	47	55.6	99	Aug. 12	− 7	Dec. 27	47	54 89	8 94	May	1.86	Feb.	13.5	151	129	21	215	s.
Shelbyville	Spencer	489	34	.....	99	Aug. 12	14	Dec. 30	34	.....	8 71	May	1.87	Oct	12.2	.....	.....	.....	.....	.....
Tyrone, Lock 5	Anderson	526	.....	.....	.....	.....	.....	.....	18	57.34	8.66	May	1 82	Feb.	12.5	97	.....	.....	.....	.....
Williamstown	Grant	943	33	56.5	99	July 31	− 9	Dec. 27	33	51.09	8 02	May	1.17	Feb	11.0	126	184	63	118	w.
Woodbury, Lock 4	Butler	533	.....	.....	.....	.....	.....	.....	19	.....	12.07	Mar.	2.08	Dec.	7.0	.....	.....	.....	.....	.....
EASTERN DIVISION.																				
Auxville	Jackson	.....	.....	.....	.....	.....	.....	.....	5	62 12	9.22	May	2 58	Oct.	15 2	131	107	119	139	sw.
Ashland	Boyd	534	20	56.6	95	Aug. 14	− 2	Dec. 27	19	53.22	7 82	May	2.47	Sept.	23.7	147	129	66	170	w.
Berea	Madison	650	34	....	98	July 25	− 2	Jan. 24†	34	.....	10 58	Mar.	2 46	Oct.	21.8	102	.....	.....	.....	sw.
College Hill, Lock 11	Madison	601	.....	.....	.....	.....	.....	.....	25	61.34	8.13	Mar.	1.96	Oct.	15.3	137	.....	.....	.....	.....
Cynthiana	Harrison	684	.....	.....	.....	.....	.....	.....	18	54.72	8.04	May	1.69	Feb	.....	109	.....	.....	.....	.....
Hendrson	Hendrson	600	.....	.....	.....	.....	.....	.....	47	48 84	8 08	May	1.34	Feb	8.0	147	.....	.....	.....	e.
Morehead	Rowan	668	29	.....	99	Aug. 8	− 4	Dec. 27	30	56 00	10 08	June	2.48	Oct.	.....	110	.....	.....	.....	.....
Mount Sterling	Fleming	870	.....	.....	.....	.....	.....	.....	11	62 59	8 51	May	1.81	Apr.	.....	104	.....	.....	.....	.....
Point, Lock 10	Clark	593	.....	.....	.....	.....	.....	.....	20	62.41	9 86	May	2.45	Feb.	.....	110	.....	.....	.....	.....
Greenup, Dam 30	Greenup	540	.....	.....	.....	.....	.....	.....	16	52 02	7 55	May	1.55	Feb.	20.8	146	.....	.....	.....	.....
Harlan	Harlan	1,197	9	.....	92	Aug. 7	0	Dec. 31	8	68 04	12 56	Mar	1.42	Sept.	18.0	115	.....	.....	.....	s.
Hazard	Perry	869	.....	.....	.....	.....	.....	.....	12	66 76	12 02	Jan.	1.48	Sept.	.....	125	.....	.....	.....	.....
Jeffersonville, Lock 14	Lee	664	1	56.3	98	Aug. 12	− 9	Dec. 31	13	62 87	8 91	Mar.	2.85	Dec.	12.0	140	101	65	200	sw.
Jackson	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	10 55	June	2.40	Oct.	.....	.....	.....	.....	.....	.....
Jenkins	Bell	1,576	.....	.....	.....	.....	.....	.....	11	58.41	8 68	Mar.	0.93	Sept.	.....	136	.....	.....	.....	.....
Louisa	Lawrence	564	.....	.....	.....	.....	.....	.....	32	54.93	8.53	Mar.	1.98	Feb.	.....	119	.....	.....	.....	.....
Manchester	Clay	860	.....	.....	.....	.....	.....	.....	17	.....	10 15	May	.....	.....	.....	.....	.....	.....	.....	.....
Maysville	Mason	524	40	56.0	99	Aug. 14	− 9	Dec. 27	39	59.52	8.50	July	2.18	Feb.	12.0	146	98	68	173	s.
Middlesboro	Bell	1,128	40	.....	100	Aug. 7	− 8	.....	39	.....	11.29	Mar.	1.47	Oct.	12 2	.....	150	177	88	.....
Mount Sterling	Montgomery	920	47	.....	98	Aug. 14	− 8	Dec. 27	46	.....	8 98	Mar.	1.85	Feb	18.6	.....	.....	.....	.....	nw
Owingsville	Bath	833	.....	.....	.....	.....	.....	.....	14	40.02	5.54	Mar.	1.48	Feb	.....	128	.....	.....	.....	.....
Pendleton	Johnson	597	.....	.....	.....	.....	.....	.....	8	60 72	11 04	Mar.	2.52	Feb	14.6	132	.....	.....	.....	.....
Pikeville	Pike	696	1	.....	.....	.....	− 4	Dec. 31	20	57.00	9.62	May	1.18	Sept	.....	140	.....	.....	.....	.....
Pine Mountain	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	10.87	May	1.16	Sept.	.....	.....	.....	.....	.....	.....
Pineville	Knott	1,025	5	.....	95	July 12	− 4	Dec. 31	5	.....	.....	.....	3.15	Dec	.....	.....	.....	.....	.....	.....
Quicksand	Breathitt	732	11	57.2	98	July 15†	−10	Dec. 31	10	68.10	10.02	Mar.	2.45	Feb.	12.5	161	.....	.....	.....	.....
Rockcastle	Laurel	631	.....	.....	.....	.....	.....	.....	18	68.25	8.31	Mar.	2.35	Oct.	16.7	132	.....	.....	.....	.....
Rockcastle, Lock 12	Estill	631	.....	.....	.....	.....	.....	.....	45	64.94	10.35	Mar.	1.62	Oct.	.....	132	157	26	182	.....
Richmond	Madison	926	46	56.3	95	Aug. 17	− 2	Dec. 27	22	60.14	7 73	June	2.59	Feb.	13 2	123	.....	.....	.....	.....
Valley View, Lock 9	Madison	541	.....	.....	.....	.....	.....	.....	21	56 40	7 85	May	1.47	Sept.	13.1	.....	.....	.....	.....	.....
Wallingford, Dam 32	Lewis	535	.....	.....	.....	.....	.....	.....	41	53 18	10 91	Mar.	1.66	Sept.	.....	98	160	126	79	.....
Williamsburg	Whitley	960	40	.....	99	Aug. 12	− 3	Dec. 27	15	51 75	9.35	Mar.	2.21	Oct.	16 0	121	.....	.....	.....	.....
Wallace, Lock 13	Lee	611	.....	.....	.....	.....	.....	.....												

†Also on other dates.

All temperature data are taken from self registering thermometers.

Reference numbers, a, b, c, appearing in the future indicate number of days missing: for example, b represents 2 days, etc.

Monthly and Annual Precipitation for the Year 1935, with Departures from the Normal.

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure from Normal	Precipitation	Departure from Normal	Precipitation	Departure from Normal	Precipitation	Departure from Normal	Precipitation	Departure from Normal	Precipitation	Departure from Normal	Precipitation	Departure from Normal	Precipitation	Departure from Normal	Precipitation	Departure from Normal	Precipitation	Departure from Normal	Precipitation	Departure from Normal	Precipitation	Departure from Normal	Precipitation	Departure from Normal
EASTERN DIVISION.																										
Calvary	5.06	+0.21	1.68	−1.69	3.18	+0.65	4.25	−0.19	6.20	−2.47	8.78	+4.85	7.59	+3.1	3.19	0.74	1.50	1.55	3.43	−0.6						
Irvington	6.46	+1.31	1.61	2.50	4.06	0.23	6.56	+2.42	6.51	+2.18	15.75		3.95	−0.22	5.61	+0.51	1.31	1.46	1.71	−1.17						
Lock's Ferry	4.37		1.14		10.10		3.12		10.41				1.98	−2.4	2.10				8.87							
Greenville	6.26	+1.92	2.49	−1.12	12.23	+7.28	5.40	+0.38	5.93	+1.64	17.63		3.33	−0.1	2.92	−0.68	2.02	0.54	1.84	−0.8						
Henderson	4.22	−0.85	1.59	−1.56	11.67	+6.61	3.66	−0.61	7.26	+3.27					1.28	−1.86	1.11	2.4	3.77	+1.5						
Hopkinsville	7.47	+1.86	2.23	−1.75	9.41	+4.45	3.25	1.19	4.96	+0.78	7.52	+3.62	8.46	+0.68	1.44	2.29	−0.89	2.84	−0.41							
Lawrenceville	4.50		2.73		13.59		4.75		5.37		10.66				1.37		1.84		4.48		2.62					
Sarum	3.69	−1.09	2.78	0.28	8.83																					
Mayfield	5.88	+1.84	1.46	1.44	12.26	+7.59	4.52	+0.27	4.88	+0.46	6.01	+2.26	3.8	+0.21		−0.96	1.17	1.24	4.78	−0.44	3.60	+0.23	1.70	1.4		
Murray	8.04		2.16		11.09		3.65		5.20		4.25		2.99						2.8		2.93					
Owensboro	3.24	−0.22	1.20	1.37	5.30	+0.37	4.38	+0.37	6.32	+2.01	6.88	+2.70	1.39	−1.84	3.25	0.6	1.42	−2.16	3.54	+0.27	2.73	−0.61	1.38	1.19	47.8	
Owensboro No. 2	3.68		1.26		5.60		4.02		6.80		6.78				3.78				3.76		2.91		1.26			
Paducah	3.12	−0.81	2.05	1.79	13.25	+8.28	4.70	−0.38	6.25	+3.25	10.30	+6.20	0.9	−1.67	2.7	−1.0	0.8	−2.17	2.50	−0.58	2.48	1.56	3.0	1.7	54.1	
Paducah (Usaw)	4.91	−0.22	2.54	−0.74	15.62	+8.65	4.64	+0.42	5.14	+0.77	8.83	+1.29	1.60	−1.62	1.21	−3.43	1.32	−2.80	3.78	−0.48	3.14	−2.26	3.43	2.22	58.2	
Pennyrile	5.65	−1.05	1.52	−2.85	14.65	+9.70	4.66	+0.49	6.10	+2.18	11.35	+7.18	1.41	−2.21	4.11	0.48	1.78	−1.73	2.69	0.62	2.85	−1.87	2.60	1.48	60.52	+12.04
Ramsey, Lock No. 2 †	4.63	+0.85	1.36	−1.60	13.15	+8.18	3.61	0.62	6.29	−2.78	8.77	+4.86	6.57	−3.51	2.92	−1.68	1.36	2.14	2.84	−0.41	2.88	0.77	2.37	1.46	60.52	+12.04
Russellville	4.15	+1.89	2.69	−0.89	9.05	+4.27	3.51	1.16	6.25	+1.93	10.66	+7.02	5.04	+1.66	0.84	−2.27	4.5	+1.85	1.27	−1.43	4.0	0.72	1.96	2.28		
Uniontown	3.59		1.58		10.08		3.50				9.81		2.87		1.31		1.18		2.77		1.81		1.16		56.21	
CENTRAL DIVISION.																										
Addison	4.87		1.85		9.64		4.66		8.42		6.08		5.30		4.74		0.82		1.99		2.49		1.66		61.37	
Ambrose	5.27	−1.18	3.03	−2.23	5.70	+1.60	3.80	+0.07	8.67	+0.63	4.91	+1.21	3.79	−0.43	3.67	0.08	2.46	0.37	2.35	−0.50	3.55	+0.81	2.21	1.62	44.17	−2.83
Bardstown	5.56	+0.34	2.42	−1.21	6.80	1.02	5.75	+1.7	7.21	+3.2	6.60	+1.11	5.8	+1.6												
Bowling Green	9.92	+5.10	3.41	0.31	10.72	+6.65	5.67	+1.23	6.57	+2.35	10.28	+6.38	5.04	+0.84	2.98	−0.77	2.42	0.82	1.76	−1.35	3.24	0.61	1.12	−2.08	64.78	+14.59
Do. No. 2	9.11	+5.02	3.29	−0.07	10.07	+6.45																				
Brownsville, Lock No. 6†	4.39	−1.12	2.04	1.30	10.24	+4.72	5.76	+1.02	6.43	+2.29	9.98	+5.78	5.48	+0.2	1.96	2.57	1.79	−1.0	1.84	−1.74	4.72	+0.60	2.38	1.52	57.46	6.68
Burnside	6.43	+1.78	3.32	0.34	11.62				5.42	+1.10	7.52		6.86	+2.13	3.64	+0.58	4.40	+1.61	1.71	1.13	4.55		1.3		67.46	6.68
Campbellsburg, Lock No. 1	5.27	−0.54	1.94	−1.46	7.25	+3.05	3.51	+0.11	6.77	+2.73	4.92	+1.19	6.21	+2.00	6.72	−0.11	1.88	1.92	1.78	−1.62	2.55	0.57	1.57	1.26	57.46	7.67
Cold Spring, Dam 36	3.10	−0.19	1.21	−1.31	5.50	−0.44	2.62	1.16	4.75	+1.47	3.58	0.14	2.56	1.47	6.42	2.64	2.44	1.61	2.62	0.56	2.74	0.10	1.38	1.22	47.25	7.67
Danville	6.75	+3.02	2.78	0.30	11.27	+7.25	5.18	−0.05	7.57	+3.46	8.56	+4.14	8.82	−0.84	4.42	+0.56	5.2	0.12	2.60	+0.16	4.81	+0.57	1.9	60.41	+17.81	
Dix Dam, Bargin	5.73	+1.47	2.57	−0.60	7.31	+4.21	3.75	+0.36	6.15	+2.7	7.62	+3.28	3.03	−1.42	4.9	2.6	2.46	+0.56	1.72	−1.26	3.26	−0.29	2.51	1.89	60.41	+17.81
Eminence	5.44	+1.62	2.49	−0.37	10.42	+5.95	3.92	1.06	6.36	+1.57			3.27	−1.47	1.3	−0.2	3.15	0.3	1.76	1.13	4.65	1.12	2.06	1.26	56.76	+16.07
Frankfort	3.98	−0.15	1.62	1.24	7.58	+3.23	4.17	+0.23	8.45	+4.57	6.71	+2.69	7.81	+2.75	3.43	+0.7	3.54	0.5	2.31	+0.05	3.21	+0.02	1.52	0.91	57.39	
Franklin	3.52	+0.28	3.38	−0.93	9.90	+5.62	3.35	−0.57	6.17	+0.61	8.25	+4.50	8.05	−0.46	5.23	+1.46	2.69	0.79	1.46	1.48	2.36	−0.33	1.17	−0.10	57.39	
Goss, Lock No. 3	3.57	−0.37	1.93	−0.74	7.48	−3.11	3.84	−0.14	8.17	+4.86	6.25	+2.87	3.59	−0.57	7.83	+4.04	1.77	−1.44	2.93	−0.85	3.15	−0.63	1.61	1.24	58.43	7.92
Glasgow	4.18		3.04		12.26		7.14		5.98				8.98				5.46		2.26		4.92					
Grand Dam 3	3.35	−0.04	1.11	0.13	4.39	+1.91	2.88	0.16	4.94	−1.07	3.20	−0.55	4.40	0.46	2.19	0.39	2.72	−0.76	1.66	−1.24	2.27	−0.46	1.3	1.25	37.5	−1.11
Greensburg	7.27	−3.34	3.1	−0.47	11.18	+6.14	4.46	+0.51	7.32	+3.61	9.79	−5.25	6.44	+1.63	2.31	−2.47	4.52	+1.33	3.73	−0.75	3.98	+1.27	2.51	1.88	66.52	8.66
High Bridge, Lock No 7.	5.91	+1.47	2.52	0.68	7.86	+3.70	4.46	−0.88	6.41	−1.85	7.49	+3.34	5.74	−0.60	4.78	−1.1	3.66	−0.40	1.99	−0.84	3.00	+0.49	2.25	−1.38	54.55	+10.31
Lexington	3.84	−0.37	1.82	1.23	9.30	+4.76	4.26	−0.32	7.98	+3.72			5.71	+2.61	3.7	−0.6	0.73	−2.24	1.78	−1.21	4.62	+0.80	2.84	−1.56		
Lancaster	8.23	+4.42	2.94	+0.05	11.26	+7.24	5.88	+0.65	7.72	+3.74	5.56	+1.84	4.56	0.12	6.38	+2.54	4.29	−1.51	1.91	1.57	2.43	+0.25	2.58	1.96	58.21	7.86
Leitchfield	6.29	+1.56	2.93	1.10	12.35	+7.44	5.0	+0.1	7.54	+3.56	7.49	+3.43	5.98	+0.76	2.12	−0.6	1.67	−1.84	2.45	−0.81	4.94	+0.99	2.79	1.46	61.15	+10.49
Lexington	5.36	+1.48	2.52	−1.46	7.44	−0.19	4.26	+0.86	6.35	+1.51	6.37	0.50	9.14	+4.61	4.66	−1.62	3.43	+1.59	2.81	+0.22	4.56	+1.63	2.52	1.91	59.89	+8.55
Little Buckman, Lock 8	7.08	+2.52	2.99	0.60	10.73	+6.37	3.22	−0.22	8.66	+4.64	7.25	−5.59	2.81	−1.25	4.78	0.18	3.68	+0.25	2.11	−0.84	4.45	+1.20	2.36	1.73	58.23	10.76
Lockport, Lock No. 2	4.85	+0.57	1.51	1.04	7.45	+3.42	4.1	+0.68	9.24	−5.72	6.59	−2.13	4.25	0.44	6.58	−2.56	1.57	−1.67	2.78	−0.57	3.62	+1.04	2.37	1.74	61.37	10.76
Louisville	3.37	−0.63	1.56	2.19	7.29	+2.87	2.88	0.38	8.86	+4.92	4.96	−1.14	4.21	+0.51	3.13	+0.4	1.77	1.63	1.96	−0.69	2.96	−0.65	2.17	−1.57	49.26	
Maxumoth Cave							6.25		7.22		9.49		5.17		2.25		2.20		1.48		3.25		2.61			
Stanford	7.00	+2.28	1.89	1.75	9.35	+4.86	4.77		7.77	+3.79	6.46	+2.46	3.47	−0.15	6.76	+1.92	1.93	1.58	1.48	−1.32	3.81	+0.28	1.89	2.25	59.66	7.66
Salvisa, Lock No. 6	5.70	+0.77	2.37	−0.70	8.44	+4.69	4.36	+0.80	7.30	+3.28	7.52	+3.89	3.78	−0.53	4.04	−1.28	2.0	0.85	2.26	−0.75	4.20	+1.20	2.74	1.46	58.8	+12.24
Shelbyville	4.70	+0.55	1.88	−1.73	8.77	+4.07	3.30	0.05	8.94	+4.90	5.77	+1.75	4.08	+0.03	4.45	−1.21	2.90	+0.67	1.98	−0.72	4.36	+0.99	2.72	−1.9	73.89	+5.55
Taylorsville	4.83	−0.37	2.01	−1.48	8.60	+3.56	3.37	−0.88	8.71	+4.67	6.77	+2.61	4.48	+1.85	8.18	−4.56	1.88	−1.88	1.87	−1.23	3.18	+0.61	2.17	−1.57	49.26	
Tyrone, Lock No. 5	4.97	+0.53	1.82	−1.98	8.20	+4.58	4.70	+0.71	9.66	−6.36	5.84	−1.27	2.82	−1.86	6.13	+2.17	3.07	−0.22	3.29	−0.41	5.27	+2.48	2.27	−1.72	57.24	+12.79
Walkertown	4.34	−0.76	1.76	1.19	8.28	+4.15	3.78	+0.02	8.64	+5.04	5.23	−1.56	6.79	+2.10	2.31	0.54	1.88	−1.26	1.98	−0.58	3.42	+0.77	2.76	0.76	51.13	6.28
Woodbury, Lock No. 4	5.31	+1.28	2.75	−0.44	12.05	+7.70	6.57	+2.12	6.13	+2.51	11.06	+6.80	6.66	+3.29	4.98	+1.01	2.14	−0.78	2.87	−0.61	4.30	+0.64	2.05	−2.03		
EASTERN DIVISION.																										
Annville	6.28		3.03		7.79		5.24		9.22		7.26		5.46		2.73		5.42		2.58		4.13		2.05		62.19	
Ashland	4.73		2.44	0.40	6.58	+2.24	4.29	−1.19	7.82	+3.88	7.18	−3.29	8.15	+1.25	4.02	+0.03	2.37	−0.38	2.67	0.00	2.56	0.68	3.86	+0.78	53.22	+11.71
Beaver	7.85	+2.46	3.44	0.76	8.34	+4.00	5.48	−1.80			8.28	+3.76	6.03	+2.08	2.9	1.0	3.88	+0.32	2.16	−0.75	5.46	+2.28	3.78	−0.64		
Carrollton Dam 11, Lock No.12	6.42	+1.86	2.61	0.19	8.56	+4.87	4.85	−1.67	7.55	+3.77	8.16	+4.14	4.86	+0.18	4.70	−0.28	3.64	+0.46	1.97	−1.17	4.28	+1.84	3.87	−0.65	61.14	17.78
Catlettsburg	4.42	+0.59	1.64	−2.46	7.36	+3.84	4.71	+0.62	8.04	+5.03	5.76	−2.28	4.45	+1.17	6.96	−2.60	2.21	−0.52	2.77	+0.11	2.48	−1.43	3.45	−0.28	54.73	9.22
Cynthiana	3.72	0.22	1.75	−1.92	6.88	−2.80	3.55	−0.29	8.08	+4.88	5.48	+1.80	3.77	−0.66	6.29	+2.51	1.65	0.92	2.64	−0.87	3.82	0.66	2.56	−0.68	58.83	7.32
Falmouth	5.80	+2.53	2.85	−0.10	10.40	+6.07	5.48	−1.67	5.72	−1.79	10.08	−5.80	6.47	+1.85	6.35	−1.46	4.35	−1.46	2.48	−0.52	2.84	−0.13	3.45	−0.08	66.45	20.42
Greensburg	3.96	+1.72	2.45	−0.58	6.86	−3.14	5.73	+1.84	9.81	−6.36	6.82	−2.48	5.02	+1.12	7.15	+2.53	4.02	−1.57	2.82	−0.42	4.65	−0.71	4.32	+0.62	72.59	18.80
Ford, Lock No. 10	6.28	+2.19	3.25	−0.48	7.85	+3.95	4.25	−1.96	8.15	+4.98	7.67	−3.77	6.68	+1.85	5.25	+0.96	1.84	−0.78	4.24	+1.41	5.07	−1.28	5.44	+0.39	68.44	16.19
Greenup, Dam 30	4.00	+1.77	1.55	−1.28	5.76	+2.46	3.06	+0.11	7.45	+4.21	6.04	+3.26	5.97	+1.41	4.19	−0.71	1.84	+1.48	2.16	−0.72	3.48	+0.23	2.52	−1.28	53.02	12.65
Harlan	4.12		3.07		12.36		5.87		12.44		4.10		6.48		4.74		1.42		2.76		4.62		3.08		73.62	12.65
Hazard	4.85	+0.93	3.25	−0.24	8.56	+4.36	5.83	+2.54	11.09	+5.78	12.42	+5.46	5.26	+0.78	5.88	−0.12	1.48	1.72	2.63	−0.41	5.5	+2.02	1.99	−2.79	76.76	+21.00
Heidelberg, Lock No 17	6.90	+2.87	3.50	−0.29	8.91	+4.70	5.84	−0.88	7.18	+2.92	7.21	−2.99	4.38	−0.48	5.58	+1.21	4.57	+1.58	3.18	+0.14	4.56	+1.66	3.81	1.64	62.87	+16.79
Jackson							8.51				10.57		7.93		6.42		2.06		2.46		3.15		2.45			
Jenkins	4.95	+1.68	4.24	+0.49	8.66	+4.84	5.66	−1.85	7.48	−3.71	7.75	−4.58	6.04	+1.66	3.57	0.85	0.49	0.91	3.79	+0.21	3.04	+0.39	1.89	−1.79	78.31	−12.25
Louisa	3.93	+0.24	1.96	−1.15	8.35	+4.26	4.21	+0.07	7.93	−3.45	5.87	−1.38	5.52	+2.16	4.77	+1.64	4.82	+1.78	2.61	−0.52	3.67	+1.11	2.67	−1.34	54.82	+12.58
Manchester	4.55	−0.74	3.78	+0.57	9.20	+4.61	5.11	+1.88	10.35	−6.04	9.28	+4.74	5.95	0.25	4.61	0.16	4.46	+1.72			4.09	+1.67				
Salyersville	3.98	0.57	3.58	0.36	6.86	−3.14	4.85	+1.52	7.48	−3.31	6.89	+3.75	6.03	+1.23	3.78	+0.02	4.42	+1.80	3.69	+1.03	2.90	−0.81	2.39	−2.32	68.59	
Middlesboro	3.02	−0.62	4.20	+0.13	11.20	+6.88	4.21	−0.18	6.75	+2.88	5.21	−1.68	4.16	−1.13	2.32	1.0	1.47	−1.14	6.55	+4.18	2.75	−2.0				
Mount Sterling	5.53	+0.26	1.89	−1.87	8.38	+4.39	5.58	+1.77	7.78	−3.57	7.62	+2.51	6.29	−1.12	5.22	+1.16	3.83	−0.04			3.86		3.03			
Onoodas Dam No. 35	3.66	+0.18	1.48	−1.16	8.54	+4.54	5.16	−0.94	8.57	−2.12	4.82	+0.44	4.84	0.26	3.71	−0.73	1.60	−1.69	1.71	−0.91	2.61	+0.10	2.0	−1.85	60.63	−2.21
Palmyra Dr.	4.81		2.62		11.04		8.45		4.76		7.56		4.53		3.42		3.40		2.56		3.75		2.79		66.79	
Pikeville	3.58	+0.20	2.93	+0.27	9.52	+5.25	4.69	+1.37	9.62	−6.41	6.00	+2.67	7.56	+2.33	2.64	−1.80	1.18	−1.81	2.58	−0.5	3.75	0.86	2.17	−1.62	57.46	−13.38
Pine Mountain	5.0		3.59		9.62		3.60		10.37				11.23		3.45		1.16		3.38		6.19					
Pineapple	3.48																3.26		1.65		2.22					
Quicksand	4.86	+1.05	2.47	−1.86	10.92	+6.61	5.67	+1.60	9.86	−6.25	8.15	+4.54	8.47	−2.42	5.64	+1.12	3.78	−0.07	2.21	−0.23	3.46	+0.42	2.23	−1.34	68.10	−17.66
Raccoon, Lock No. 12	5.42	+1.80	2.48	−0.59	8.61	+4.35	5.82	+0.71	7.92	−3.50	6.22	+0.81	6.64	−2.07	4.71	+0.67	3.42	+0.20	2.76	−0.08	5.11	+2.29	2.47	−1.04	57.97	+14.38
Richmond	7.45	+3.29	2.98	0.51	10.57		5.06	+0.15	8.68	−4.36	7.85	+4.85	5.58	−1.56	4.72	+1.05	4.58	+1.56	1.52	−1.12	5.07	+2.3	2.26	−1.57	64.34	+21.16
Wilgus Lock No. 9	6.41	+1.79	2.29		11.42		5.28	+0.36	7.28	−3.41	7.50	+3.60	5.78	0.64	5.10	+0.8	2.76	−0.4	3.48	−1.81	2.75	−1.26	60.14	−13.29		
Winchester Dam No 32	4.87	+0.43	2.46	−1.14	6.64	−3.36	3.75	+0.12	7.82	−3.46	5.77	+1.58	7.02	+2.32	7.59	−3.2	1.67	−1.40	2.66	−0.90	2.21	−0.81	2.54	−1.76	54.18	−4.58
Williamsburg	4.46	+0.04	2.62	−1.22	10.92	+6.61	4.71	+0.45	5.82	+1.49	5.71	+1.12	6.27	+1.9	2.26	−1.8	1.66	−1.77	2.45	−0.54	5.56	+3.05	2.75	−1.45	64.18	−4.58
Willis Lock No. 13	6.70	+2.95	3.31	0.46	9.85	+5.45	5.73	+0.76	7.74	−3.5	6.18	+1.83	3.0	−0.7	6.7	+3.0	3.16	+0.90	2.21	−0.81	5.54	+2.98	2.31	−1.46	61.85	−17.84

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or divisional means.

† 12 04. ‡ 12-12.35. §Rumsey Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Monthly and Annual Mean Temperatures for the Year 1935, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
WESTERN DIVISION.																										
Calhoun	39.3	+ 2.2	42.0	+ 2.9	56.4	+ 8.0	56.8	− 1.6	64.4	− 2.2	70.9	− 4.2	80.0	+ 1.6	78.4	+ 1.2	70.3	− 1.6	62.0	+ 2.1	48.2	− 0.1	.....	.....	.....	.....
Earlington	39.6	+ 3.4	42.9	+ 5.1	57.3	+ 9.9	56.8	− 1.0	65.9	− 1.1	72.1	− 3.7	81.1	+ 2.2	79.6	+ 2.4	70.6	− 1.6	61.7	+ 2.1	48.2	+ 0.2	31.8	− 7.1	58.9	+ 0.9
Greenville	38.1	+ 1.1	40.8	+ 0.8	53.2	+ 7.9	55.3	− 2.0	63.6	− 1.6	69.5	− 5.0	78.2	+ 0.2	77.4	+ 1.3	68.6	− 2.5	60.2	+ 0.9	46.8	− 1.0	a30.2	− 9.0	57.0	− 0.7
Henderson	37.7	.....	40.4	.....	53.6	.....	56.0	.....	63.4	.....	.....	.....	.....	.....	80.2	.....	71.6	.....	62.6	.....	48.0	.....	26.9	.....	.....	.....
Hopkinsville	38.3	+ 0.4	40.8	− 1.6	54.8	+ 6.0	55.4	− 2.2	65.6	− 1.6	71.7	− 4.7	80.4	+ 1.3	79.8	+ 1.9	70.6	− 1.6	61.0	+ 0.2	47.6	− 0.9	31.4	− 7.6	58.1	− 0.5
Lovelaceville	39.0	....	41.8	.....	a55.6	.....	55.8	.....	65.0	.....	71.2	.....	.....	.....	78.9	.....	b68.2	.....	60.9	.....	46.4	.....	31.1	.....	.....	.....
Marion	38.6	+ 2.8	41.0	+ 4.2	55.7	+ 7.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mayfield	40.1	+ 2.8	42.8	+ 2.8	56.3	+ 6.6	56.7	− 1.6	66.2	− 0.3	72.2	− 2.8	80.4	+ 1.5	79.8	+ 2.3	71.8	− 0.4	63.0	+ 2.5	48.8	− 0.3	33.3	− 7.1	59.8	+ 0.5
Murray	38.7	.....	40.6	.....	55.8	.....	56.1	.....	65.9	.....	69.2	.....	79.5	.....	77.7	.....	67.2	.....	.....	.....	46.2	.....	32.5	.....	.....	.....
Owensboro	36.3	+ 1.1	40.0	+ 3.5	53.6	+ 7.1	54.1	− 1.6	62.6	− 2.8	69.4	− 4.7	78.5	+ 0.7	76.2	+ 0.8	67.3	− 3.1	59.1	+ 0.4	45.5	− 1.5	28.3	− 8.9	55.9	− 0.8
Princeton	39.1	− 2.9	41.6	+ 3.8	55.9	+ 8.2	56.8	− 1.4	65.8	− 1.3	72.1	− 3.2	80.5	+ 1.9	79.0	+ 1.7	70.0	− 1.8	62.0	+ 2.8	48.1	+ 0.8	31.4	− 7.3	58.9	+ 1.0
Russellville	a36.6	+ 0.5	39.6	+ 1.3	54.0	+ 6.9	56.4	− 1.0	64.6	− 1.1	71.0	− 3.6	79.0	+ 0.8	78.1	+ 1.1	68.8	− 3.1	59.5	+ 0.1	a45.8	− 1.2	29.8	− 9.0	56.9	− 0.7
CENTRAL DIVISION.																										
Anchorage	35.6	+ 2.1	37.2	+ 2.7	51.9	+ 7.5	51.6	− 2.2	60.5	− 2.9	67.6	− 4.5	76.6	+ 0.3	74.2	− 0.3	65.2	− 3.8	57.4	+ 0.7	45.6	+ 0.8	27.2	− 7.7	54.2	− 0.6
Bardstown	36.2	+ 0.3	39.4	+ 2.9	55.2	+ 8.7	55.8	− 0.1	62.0	− 3.9	70.1	− 4.2	78.4	+ 0.2	76.7	0.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bowling Green	40.1	+ 2.6	42.6	+ 3.6	56.2	+ 7.8	58.2	− 0.5	65.0	− 2.5	71.0	− 5.0	79.8	+ 0.5	79.4	+ 1.2	70.3	− 2.1	61.2	+ 1.3	49.6	+ 1.7	32.6	− 6.4	58.8	+ 0.2
Danville	36.0	.....	38.4	.....	53.1	.....	53.8	.....	62.0	.....	69.1	.....	77.6	.....	75.6	.....	66.4	.....	57.8	.....	46.4	.....	29.1	.....	55.4	.....
Dix Dam	37.8	+ 0.2	40.8	+ 0.5	54.7	.....	55.7	− 1.1	63.1	− 1.7	71.2	− 2.7	79.7	+ 1.9	77.7	+ 1.1	68.8	− 3.1	60.8	+ 2.0	48.2	+ 0.6	30.4	− 9.6	57.4	+ 0.1
Eubank	35.4	− 0.3	b38.2	0.0	55.4	+ 9.7	54.6	0.0	63.2	− 0.8	.....	.....	.....	.....	74.8	+ 0.9	67.0	− 2.0	59.1	+ 2.1	47.8	+ 2.2	27.6	− 9.4	.....	.....
Frankfort	36.6	+ 0.3	40.1	+ 3.3	54.2	+ 8.1	54.4	− 1.3	62.4	− 2.8	70.5	− 3.2	79.6	+ 1.8	77.0	+ 1.8	68.3	− 1.2	58.4	+ 1.0	47.4	+ 0.8	29.6	− 7.3	56.5	+ 0.2
Franklin	39.3	+ 0.4	42.9	+ 3.1	57.9	+ 7.9	59.2	− 0.1	67.4	+ 0.4	73.4	− 2.3	81.4	+ 2.8	80.6	+ 3.5	71.7	− 0.8	61.8	+ 1.3	49.0	− 1.0	32.9	− 7.8	59.7	+ 0.6
Glasgow	38.1	.....	41.0	.....	56.0	.....	56.8	.....	64.8	.....	71.8	.....	77.8	.....	75.2	0.0	66.6	− 3.2	57.0	− 0.1	46.0	+ 0.3	28.8	− 8.8	55.7	− 0.4
Greensburg	37.0	+ 1.5	39.6	+ 3.3	54.2	+ 8.1	55.4	− 0.1	61.7	− 2.8	68.8	− 4.4	77.8	+ 1.9	75.2	0.0	66.6	− 3.2	57.0	− 0.1	46.0	+ 0.3	28.8	− 8.8	55.7	− 0.4
Irvington	37.5	+ 1.3	39.7	+ 3.0	54.7	+ 7.9	55.7	− 0.5	62.8	− 3.2	.....	.....	78.8	+ 1.2	76.6	+ 0.7	67.8	− 2.8	59.6	+ 2.4	46.3	+ 0.7	30.1	− 7.2	.....	.....
Leitchfield	37.2	+ 1.6	39.6	+ 3.2	54.2	+ 8.1	55.6	− 0.3	63.2	− 2.1	70.1	− 3.2	79.2	+ 2.1	77.4	+ 1.8	69.4	− 0.8	60.5	+ 2.0	46.8	0.0	29.9	− 7.3	56.9	+ 0.4
Lexington	34.6	+ 1.7	37.4	+ 2.6	52.0	+ 8.3	53.4	− 0.9	61.4	− 2.9	70.1	− 2.1	79.0	+ 3.1	76.0	+ 1.5	68.3	− 0.2	58.1	+ 0.7	45.8	+ 0.5	28.7	− 7.1	55.4	+ 0.4
LOUISVILLE	36.4	+ 2.0	38.1	+ 0.9	52.6	+ 7.2	54.2	− 2.2	62.2	− 4.4	70.3	− 4.4	80.2	+ 1.6	77.2	+ 0.2	69.4	− 1.1	60.0	− 0.7	46.6	− 0.1	29.1	− 8.5	56.4	− 0.6
Mammoth Cave	.....	.....	.....	.....	.....	.....	55.2	.....	62.8	.....	a69.4	.....	78.4	.....	c77.8	.....	c68.0	.....	58.8	.....	a47.9	.....	29.1	.....	.....	.....
St. John	.....	.....	.....	.....	53.0	+ 8.1	53.6	− 1.2	61.1	− 3.1	68.7	− 3.9	77.8	+ 1.4	76.2	+ 1.4	66.2	− 3.3	.....	.....	44.0	− 1.8	.....	.....	.....	.....
Shelbyville	35.2	+ 1.3	38.4	+ 4.3	52.4	+ 7.8	53.2	− 1.4	61.3	− 3.1	69.6	− 6.7	79.0	+ 2.2	76.6	+ 1.4	67.8	− 1.8	59.3	+ 2.1	46.2	+ 1.4	27.8	− 7.9	55.6	+ 0.3
Taylorsville	a35.4	+ 0.6	a38.7	+ 2.1	a53.2	+ 7.6	53.8	− 0.9	.....	.....	.....	.....	77.2	+ 0.9	74.1	+ 0.6	65.1	− 3.5	56.1	− 0.2	45.8	+ 0.7	28.2	− 8.2	.....	.....
Williamstown	35.1	+ 1.9	38.2	+ 4.6	52.6	+ 8.9	54.0	+ 0.5	63.2	− 0.5	71.4	− 0.8	80.4	+ 4.2	78.0	+ 3.7	70.0	+ 0.8	61.1	+ 5.2	46.2	+ 1.0	28.0	− 6.8	56.5	+ 1.9
EASTERN DIVISION.																										
Ashland	36.4	− 0.1	40.0	+ 2.3	53.3	+ 6.7	54.1	− 1.5	62.8	− 1.5	71.0	− 2.3	78.4	+ 1.9	76.8	+ 2.0	68.9	− 1.6	58.5	+ 0.7	48.2	+ 1.1	31.2	− 7.5	56.6	+ 0.1
Berea	37.7	+ 0.5	40.6	+ 1.8	55.1	+ 8.5	55.6	− 0.2	.....	.....	68.9	− 4.0	77.6	+ 1.3	75.8	+ 1.3	67.4	− 2.5	a58.6	0.0	47.1	− 0.4	a28.3	− 9.7	.....	.....
Farmers	35.6	0.0	a39.2	+ 2.3	.....	.....	.....	.....	.....	.....	a72.0	+ 0.7	78.6	+ 3.6	74.3	+ 1.0	a67.6	− 0.7	a56.6	+ 0.1	47.4	+ 1.9	a29.4	− 7.5	.....	.....
Harlan	.....	.....	42.4	.....	53.6	.....	a57.2	.....	64.9	.....	69.8	.....	76.1	.....	a75.4	.....	68.6	.....	58.2	.....	51.8	.....	32.5	.....	.....	.....
Heidelberg	37.8	.....	41.2	.....	53.5	.....	55.4	.....	63.3	.....	70.4	.....	78.2	.....	76.2	.....	67.7	.....	58.8	.....	45.8	.....	29.9	.....	56.3	.....
Maysville	35.1	+ 1.4	38.7	+ 3.6	52.6	+ 8.3	55.8	− 1.0	62.8	− 1.7	71.4	− 1.5	80.0	+ 3.2	77.0	+ 1.8	68.2	− 1.5	57.8	+ 0.4	46.6	+ 1.4	28.3	− 7.0	56.0	+ 0.6
Middlesboro	38.0	− 1.4	40.6	+ 0.8	53.6	+ 5.7	c56.6	0.1	c64.1	− 0.6	70.4	− 2.6	76.6	− 1.3	a75.0	+ 0.8	c69.4	− 0.2	.....	.....	.....	.....	.....	.....	.....	.....
Mt. Sterling	34.9	+ 0.9	37.0	+ 2.7	51.9	+ 8.1	52.6	− 1.3	61.4	− 2.3	70.4	− 2.1	78.2	+ 2.1	75.4	+ 1.4	.....	.....	c56.0	+ 0.2	.....	.....	27.6	− 8.0	.....	.....
Pikeville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	59.2	.....	50.4	.....	31.4	.....	.....	.....
Pippapass	b38.8	.....	.....	.....	c55.7	.....	55.4	.....	65.2	.....	.....	.....	.....	.....	.....	.....	c70.6	.....	59.6	.....	50.6	.....	c33.4	.....	.....	.....
Quicksand	37.8	− 1.0	a42.0	+ 2.0	53.8	.....	a54.8	.....	a63.2	.....	a71.0	.....	78.4	+ 1.0	a75.6	+ 1.0	68.6	− 2.3	58.3	+ 1.3	a57.2	− 0.4	29.8	− 9.8	57.2	+ 0.2
Richmond	36.2	− 0.9	38.8	+ 1.5	54.2	+ 8.6	55.0	− 1.1	61.8	− 3.7	68.8	− 4.7	77.4	+ 0.5	77.8	+ 0.3	68.6	− 2.5	60.3	+ 1.3	49.1	+ 1.9	30.0	− 8.2	56.3	− 0.4
Williamsburg	40.4	+ 1.6	.....	.....	b57.3	+10.3	56.1	− 0.5	66.9	+ 1.0	70.9	− 3.0	79.1	+ 1.9	78.8	+ 2.7	71.6	+ 0.8	61.2	+ 1.7	50.1	+ 2.5	31.6	− 9.1	.....	.....

All temperature data are taken from self-registering thermometers.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing: for example, b represents two days, etc.

KILLING FROSTS, 1935.

STATIONS	Last in Spring.	First in Autumn.
WESTERN DIVISON		
Calhoun	April 16	Oct. 7
Earlington	do 16	do 7
Greenville	do 16	do 6
Hopkinsville	do 16	do 7
Lovelaceville	do 16	do 2
Marion	do 16	do 7
Mayfield	do 16	do 4
Owensboro	do 16	do 4
Russellville	do 16	do 7
CENTRAL DIVISON		
Anchorage	April 17	Oct. 4
Bowling Green	do 16	do 7
Dix Dam	do 17	do 7
Eubank	do 17	do 5
Frankfort	do 17	do 4
Franklin	do 16	do 7
Greensburg	do 17	do 4
Irvington	April 16	Oct. 7
Leitchfield	do 16	do 6
Lexington	do 17	do 4
Louisville	do 16	do 7
St. John	do 16	do 7
Shelbyville	do 17	do 4
Taylorsville	do 17	do 4
Williamstown	do 17	do 4
EASTERN DIVISON		
Ashland	April 17	Oct. 7
Berea	do 17	do 5
Farmers	do 17	do 4
Harlan	do 16	do 5
Maysville	do 17	do 4
Middlesboro	do 17	do 5
Mount Sterling	do 17	do 4
Richmond	do 17	do 5
Williamsburg	do 17	do 5

MONTHLY SUMMARIES, 1935.

MONTH.	Temperature. State average.	Departure.	Highest.	Lowest.	Precipitation. State average.	Departure.	Average number of days. With .01 or more rain.	Clear.	Partly cloudy.	Cloudy.	Average Snowfall.
January	37.3	+ 1.4	71	− 2	5.28	+ 0.92	9	11	6	14	3.4
February	40.1	+ 3.1	73	6	2.35	− 1.07	8	9	7	12	0.6
March	54.6	+ 8.4	86	20	9.56	+ 4.85	14	9	8	14	0.3
April	55.3	− 0.8	92	24	4.42	+ 0.16	12	16	6	14	T.
May	63.5	− 1.8	91	36	7.40	+ 3.36	14	18	10	3	0.0
June	70.5	− 3.3	96	44	7.59	+ 3.31	14	11	10	9	0.0
July	78.8	+ 1.5	103	55	5.16	+ 1.02	10	16	10	5	0.0
August	77.0	+ 1.4	105	42	4.22	+ 0.49	9	16	9	6	0.0
September	68.3	− 2.2	99	31	2.75	− 0.91	5	21	5	4	0.0
October	56.5	+ 1.3	91	22	2.61	− 0.21	5	15	7	9	0.0
November	47.3	+ 0.8	85	11	3.86	+ 0.39	11	7	6	17	T.
December	30.0	− 7.8	69	−14	2.39	− 1.56	9	8	7	16	9.0
Annual means and extremes	56.8	+ 0.1	105	−14	57.40	+11.75	123	151	91	123	13.3

aCompared with 45 years' normal.

NOTE. Tables and charts giving climatic data for Kentucky in detail during 1935 have been published for each month at the Kentucky section center, Weather Bureau Office, Louisville, Ky., and can be obtained from the Official in Charge at that office. Indexes to special articles published during past years in Kentucky climatological reports will be found in the Monthly Report for June, 1929.

W 756 Louisville, 2-11-36 1250

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XLI LOUISVILLE, KY., JANUARY, 1926 No. 1

GENERAL SUMMARY.

Mild weather prevailed during the first 18 days, with mean temperatures generally above normal. A change to much colder on the 19th was followed by 10 days of unusually severe conditions, with temperatures descending far below zero. At some northern stations the average temperature for the week ending on the 28th was the lowest, with the exception of the week of February 7-13th, 1899, since State records were established. The severe cold caused extensive damage to peaches in the western counties, and destroyed practically all buds in the northeastern districts.

The snow of the preceding months melted off in the first week, revealing the winter grains in good condition and apparently benefited. After the disappearance of the snow sandy soils and well drained uplands dried out sufficiently that plowing became possible. In some western and southern counties considerable land was plowed before the cold weather put an end to such work. Temperatures during the first three weeks were favorable for handling tobacco, and the frequent light showers usually furnished enough atmospheric moisture to condition the leaf. The mild weather enabled farmers to finish gathering corn. A snowfall that was light in the western counties and moderate to heavy in eastern districts preceded the cold spell, furnishing considerable protection to winter grains and meadows. Because of the scanty precipitation ahead of the severe cold, the soil of grain fields drained well and was in good condition to freeze solid without pushing out the plants. At the beginning of the last week, additional snow, which was heavy east and generally light west, gave further protection to grains.

The dryness of the cold period and the discomfort resulting from attempts to handle tobacco practically paralyzed the work of stripping and marketing. Some markets closed on the coldest days. Unusual difficulty was experienced with frozen water supplies. Milk and egg production fell off sharply. Exceptional efforts were required to save young animals. About double the usual time in transit became necessary on the railroads, and truck traffic was seriously impaired.

TEMPERATURE.

Despite the mildness of the first half of the month, when daily mean temperatures ranged from 5° to 20° above normal on most days, the extraordinary deficiency that accumulated after the 18th brought the average temperature down among the low records. In the cold period daily averages were 10° to 35° below normal. From the 22d to 31st temperatures below zero were reported on six days and only slightly above zero on two others. The extremes for the State were 68° at Murray on the 12th and -25° at Taylorsville on the 28th.

PRECIPITATION.

Precipitation averaged near normal in the southeastern counties, where it ranged from 4.0 to 5.0 inches. Northward from this section it diminished rapidly to 1.5 or 2.0 inches along the Ohio River, and averaged about one-half of the normal amount. The range for the State was between 0.95 inch at Owensboro and 5.69 inches at Jackson. Moderate to heavy rain occurred in the periods 2d-9th and 18-19th. These rains were lighter and less frequent in the western division. Moderate to heavy snow fell generally on the 19th and light snow almost daily thereafter. In the eastern counties the snowfall was moderate to heavy on the 25th. For the State the average ranged from 1.0 inch in the extreme western counties to 10.0 inches in the eastern mountain valleys. A limited area in the central bluegrass region received 14.0 to 18+ inches.

MISCELLANEOUS.

Floods.—A rise from rain and melting snow started on the 3d and culminated in the upper Ohio with moderately high stages on the 8th and 9th. Flood stages were slightly exceeded in the Evansville and Cairo districts from the 12th to 16th, after which the river declined slowly. Ice began to run in the upper reaches on the 23d and in the middle and lower sections on the 24th. From that time on the Ohio remained from half full to nearly full of ice. Navigation closed on the 27th. The river resisted gorging and freezing because of the moderate stage during the entire period.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to Sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Ave. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative Humidity. 7 a. m.	12 noon	7 p. m.	Percentage of sunshine.
Cairo .....Ill.	30.10	30.67	27	29.61	17	9.9	30	n.	18	83	71	73	46
Cincinnati .....Ohio	30.08	30.62	28	29.51	4	8.8	28	sw.	13	80	74	82	41
Evansville..... Ind.	30.10	30.68	28	29.60	4	9.7	34	nw.	22	70	66	67	51
Louisville .....Ky.	30.11	30.68	28	29.60	4	10.8	38	nw.	22	80	67	66	43

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation Average.	Average snowfall.	Number of days: Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889	38.0	65	13	3.52	....	..	..	..	..
1890	44.0	77	10	6.43	....	..	..	..	..
1891	37.0	68	14	5.40	....	..	..	..	..
1892	29.0	65	- 6	2.72	....	..	..	..	..
1893	26.0	67	-22	2.08	....	..	..	..	..
1894	38.0	78	12	2.91	....	..	..	..	..
1895	30.0	78	-16	5.71	....	11	8	8	15
1896	36.1	74	- 3	1.25	....	6	9	7	15
1897	32.0	75	16	3.25	4.2	8	11	8	12
1898	40.4	72	6	8.76	1.4	12	8	8	15
1899	34.4	68	-18	6.23	8.5	11	9	8	14
1900	37.2	77	- 8	2.80	0.9	8	12	8	11
1901	36.7	75	4	1.85	0.8	7	12	7	12
1902	33.7	70	5	5.14	2.3	7	14	5	12
1903	34.8	82	- 9	2.50	2.8	9	11	6	14
1904	32.3	70	- 9	3.17	2.5	10	13	5	13
1905	27.5	70	-15	2.83	12.8	11	10	5	16
1906	39.7	80	- 9	5.48	3.1	8	11	6	14
1907	43.2	83	-11	8.02	4.8	14	7	6	18
1908	35.0	62	7	2.20	1.0	8	13	5	13
1909	38.5	77	- 8	3.47	5.7	9	5	6	20
1910	33.8	70	-20	4.41	11.0	10	9	5	17
1911	29.7	73	-16	2.88	4.4	11	7	4	20
1912	25.9	61	-20	3.09	11.7	8	13	4	14
1913	42.5	76	13	11.41	1.4	14	8	6	17
1914	39.4	79	5	2.31	1.0	6	9	7	15
1915	38.0	65	0	5.03	7.0	13	8	7	16
1916	41.2	78	- 5	7.27	3.7	14	9	6	16
1917	36.7	74	-17	6.33	12.0	12	8	8	15
1918	20.6	62	-20	5.09	23.3	14	9	7	15
1919	37.9	68	- 1	3.62	1.6	7	16	6	9
1920	33.4	72	- 6	6.75	6.7	10	10	6	15
1921	39.7	71	12	3.06	4.0	10	10	7	14
1922	34.6	67	1	2.25	1.1	8	12	8	12
1923	41.0	68	11	6.11	T.	12	8	6	17
1924	31.3	66	- 8	5.05	1.2	9	15	5	11
1925	35.8	66	- 9	2.60	4.1	10	12	6	13
1926	34.4	69	-11	4.01	7.1	10	12	5	14
1927	35.8	76	- 3	6.83	2.2	12	10	6	16
1928	35.0	76	- 8	2.47	1.9	8	14	7	10
1929	34.8	76	- 6	4.54	1.8	13	9	7	15
1930	24.6	75	-20	4.85	3.8	13	11	5	15
1931	37.7	72	- 9	1.23	2.3	6	13	5	13
1932	44.9	80	14	8.54	0.2	14	11	5	15
1933	43.9	74	16	5.18	0.1	12	12	8	11
1934	40.1	72	- 3	1.85	0.2	8	11	6	14
1935	37.3	71	- 2	5.28	3.4	9	11	6	14
1936	29.4	68	-25	2.99	6.2	11	10	7	14
Period	35.9	83	-25	4.33	4.2	10	11	6	14

Climatological Data for January, 1936.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.
Western Division.																			
Bringingham	Marshall										1.42		0.76		8				
Calhoun	McLean	437	32	30.4	− 6.7	62	12†	− 6	27	33	1.14	−3.82	0.71	T.	6	5	12	14	sw.
Earlington	Hopkins	420	46	31.9	− 4.3	65	12	− 4	27	36	1.33	−3.71	0.83	0.2	8	10	6	15	n.
Fords Ferry, Dam 50	Crittenden	356	7								1.01		0.74	0.7	11				
Greenville	Muhlenburg	519	19	29.8	− 7.2	65	12	−10	27	40	0.98	−3.59	0.40	3.7	9	12	16	3	n.
Henderson	Henderson	382	22																
Hopkinsville	Christian	524	40	31.2	− 6.7	66	12	− 6	27	38	2.27	−3.05	0.86	2.8	8	9	2	20	se.
Lovelaceville	Ballard		7	29.6		64	12	− 9	24	36	1.16		0.80	7.0	4	10	10	11	n.
Maxfield	Graves	364	27	*32.1	− 5.2	65*	12	− 5*	27	29*	1.61	−3.65	0.86	2.5	6	14	6	11	n.
Murray	Calloway	412	10	31.4		68	12	− 4	24†	42	2.72		0.99	2.3	8	13	6	12	s.
Owensboro	Daviess	479	39	27.7	− 7.5	62	12	−10	27	35	0.95	−3.32	0.66	0.5	5	8	9	17	nw.
Owensboro, Dam 46	Daviess	404	8								1.24		0.61	1.3	10				
Paducah	McCracken	516	19								1.08	−3.89	0.74	3.0	9	11	8	12	
Paducah (near)§	McCracken	341	47																
Princeton	Caldwell	529	29	30.6	− 5.6	66	12	− 5	24†	33	1.43	3.54	0.75	2.5	11	9	6	15	sw.
Ramsey, Lock 2	McLean	384	19								1.00	−3.64	0.54	0.5	11				
Russellville	Logan	590	25	28.8	− 7.3	62	12	−11	27	44	2.94	−2.80	1.85	6.0	11	16	3	12	s.
Uniontown, Dam 49	Union	357	8								1.27		0.68	1.0	10				
Central Division.																			
Addison, Dam 45	Breckinridge	352	8								1.55		0.75	4.4	14				
Anchorage	Jefferson	700	35	25.8	− 7.7	61	12	−21	27	42	1.36	−2.81	0.61	6.0	6	12	5	14	sw.
Bowling Green	Warren	500	47	33.3	− 4.2	63	12	− 5	27	40	3.52	−1.70	1.45	6.6	8	9	9	13	w.
Brownsville, Lock 6	Edmonson	410	19								3.33	−2.19	1.30	6.1	13				
Burnside	Pulaski	705	45								4.46	−0.35	1.50	2.5	12				
Carrollton, Lock 1	Carroll	480	37								1.08	−2.64	0.36	1.9	12				
Cold Spring, Dam 36	Campbell	489	10								1.25	−2.03	0.51	8.5	15				
Danville	Boyle	540	3	28.6		60	14*	−12	23*	38	4.86	+1.15	1.63	9.2	14	10	6	15	se.
Dix Dam, Burgin	Mercer	770	8	31.0	− 7.6	62	14	−12	27	37	3.48	−0.78	0.94	9.0	11	7	7	17	n.
Eadsville	Wayne	622									4.40		1.27	5.0	11				
Eubank	Pulaski	1177	42	28.9	− 6.8	58	18	−17	27	42	4.20	−0.38	1.20		7	10	6	15	n.
Frankfort	Franklin	560	44	28.0	− 8.3	61	14	−15	23	39	2.04	−2.20	0.67	5.8	10	8	6	17	w.
Franklin	Simpson	691	41	31.6	− 7.3	58	12†	− 7	27	27	4.54	−0.36	1.84	11.0	16	8	13	10	n.
Frankfort, Lock 3	Henry	490	25								1.50	−2.58	0.53	1.6	11				
Glasgow	Barren	780	10	29.8	−10.3	64	18	−12	27	40	3.55		1.80	6.0	4	17	6	8	e.
Grant, Dam 38	Boone	780	11								1.26	−1.83	0.50		12				
Greensburg	Green	581	43	29.8	− 5.7	62	12	−13	27	39	3.59	−1.67	0.96	5.7	13	4	1	26	se.
High Bridge, Lock 7	Jessamine	544	34								3.91	−0.71	0.94	3.0	17				
Irvington	Breckinridge	646	38	29.0	− 7.2	58	12	− 9	23†	41	1.50	−2.91	0.85	2.5	7	8	4	19	nw.
Lancaster	Garrard	1032	10								4.16	−0.15	0.97		14				
Leitchfield	Grayson	635	40	29.4	− 6.3	60	12	−10	27	33	2.46	−2.53	0.77	5.0	10	9	10	12	nw.
Lexington	Fayette	989	52	26.8	− 6.1	58	14	−15	23	32	4.00	−0.18	0.78	15.6	16	13	4	14	sw.
Litchfield, Lock 8	Jessamine	560	25								4.00	0.41	1.00	8.0	16				
Lockport, Lock 2	Henry	485	26								1.61	−1.41	0.36	9.0	10				
Louisville	Jefferson	525	63	27.8	− 6.6	60	12	−11	23	46	1.59	−2.41	0.66	6.1	12	7	9	15	sw.
Mammoth Cave	Edmonson			28.3		56	12†	−10	27	33	3.68		1.55	5.5	13	3	15	13	w.
St. John	Hardin	777	40	25.2	− 9.1	54	12†	−18	27	33	2.58	−2.18	0.85	6.5	11	13	4	14	
Salvisa, Lock 6	Mercer	820	22								3.53	−1.14	0.80	4.0	3				
Shelbyville	Shelby	825	47	26.9	− 7.0	59	12	−16	28	41	3.59	−0.96	0.72	11.5	12	12	3	16	s.
Taylorsville	Spencer	489	34	25.8	− 9.0	57	12†	−25	28	46	2.03	−2.68	0.71	5.6	7	16	3	12	
Tyrone, Lock 5	Anderson	524	18								2.91	−1.53	0.76	15.0	15				
Williamstown	Grant	943	33	26.5	− 6.7	57	12†	−16	23	34	2.18	−1.85	0.55	6.5	9	14	7	10	w.
Woodbury, Lock 4	Butler	504	19								2.23	−2.93	0.96	3.7	11				
Eastern Division.																			
Annville	Jackson		5								4.63		1.27	5.2	17	8	9	14	sw.
Ashland	Boyd	534	17	30.1	− 6.1	59	14	−13	23	35	2.38	−1.68	0.41		17	6	5	20	w.
Berea	Madison	1070	31	29.0	− 8.2	62	18	−12	28	32	4.82	−0.03	0.91	8.6	14	12	4	15	sw.
College Hill, Lock 11	Madison	611	26								4.03	−0.45	1.00	8.8	13				
Cynthiana	Harrison	684	18								2.68	−1.60	0.75	6.0	9				
Falmouth	Pendleton	600	47								1.75	−2.96	0.44		17				
Farmers	Rowan	668	28	*26.2	− 9.4	64*	14	−20*	27	47	4.41	+0.66	1.60	7.5	8	6	5	20	e.
Flemingsburg	Fleming	841	11								3.69	−0.73	0.92		11				
Ford, Lock 10	Clark	637	20								3.52	−0.75	0.75		18				
Greenup, Dam 30	Greenup	540	16								2.34	−0.59	0.46	12.5	18				
Harlan	Harlan	1197	8	34.7		67	17	− 3	23	30	4.56		0.96	6.0	13	16	0	15	
Hazard	Perry	869	12								2.97	−0.25	0.60		9				w.
Heidelberg, Lock 14	Lee	693	19	30.2		62	18	−12	27	43	4.68	+0.42	1.14	6.5	19	10	2	19	w.
Jackson	Breathitt										5.69		2.10	10.0	10				
Jenkins	Letcher	1566	12								5.39	+1.96	0.83		15				
Louisa	Lawrence	584	32																
Manchester	Clay		16																
Maysville	Mason	524	39	26.1	− 7.6	59	14	−17	23†	40	2.96	−1.14	0.59	12.0	17	3	13	15	sw.
Middlesboro	Bell	1178	40	*32.8	− 6.6	66*	17†	− 6*	27	29*	4.95	+0.33	0.96	8.0	10	15	10	16	
Mount Sterling	Montgomery	930	46	26.3	7.7	60	14	−19	23	33	4.31	0.56	1.04	8.5	10	14	7	10	nw.
Owingsville	Bath										1.30	−2.18	0.38	8.2	11				
Owenton, Dam 35	Carnidell	497	9								5.18		1.09	7.0	16				
Paintsville	Johnson	567	2								3.88	+0.10	0.68	7.0	13	7	3	21	e.
Pikeville	Pike	636	30	33.2		62	16	− 5	27	39	4.83		0.78	8.2	16	10	7	14	
Pineapass	Knott	1035	2	33.7		61	12†	− 7	23	45	3.95	+0.04	0.80	7.5	10				
Quicksand	Breathitt	732	10	*30.8	− 7.9	65*	19	−10*	23†	46	4.68	+1.10	0.82	2.7	15				
Raccoon, Lock 12	Estill	631	18								4.05	−0.20	0.80	7.0	13	9	0	22	
Richmond	Madison	926	45	29.4	− 5.9	60	13†	−15	27	50	3.34	−1.28	0.88	9.5	11				
Valley View, Lock 9	Madison	557	23								2.22	−1.90	0.37	14.0	16				
Warsaw, Dam 32	Lewis	528	21								3.29	−1.13	1.09		11	8	13	10	
Whitley	Whitley	1639	39	32.9	− 6.9	63	17†	−11	27	45	4.95	+2.26	1.12	7.5	14				
Wilson, Lock 13	Lee	646	17								2.99	−1.34	2.10	6.2	11	10	7	14	sw.
State averages and extremes				29.4	− 7.0	68	12	−25	28	46									

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

T Precipitation is less than 0.01 inch rain or melted snow

* Also on other dates. †† Received too late to be included in means and summaries

§Lone Oak.

¶ Post-office addresses: Lock 5, Law rencburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Omeania, California, Ky.

Daily Precipitation for January, 1936.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Birmingham				.22		.76		.16									.03	.01							.11							
Calhoun	G	.12		.03		.71		.11					.04				T	.11	T			T	T		T	T			T			1.14
Barlington	G	T	.18		.03		.83		.16								T	T	.13				.01	T	T	.02						1.36
Louis Ferry Dam 50	O	T.	T.	T.	.03	.01	.71	.02	.02	.02			.02					.08	T			T	.12			T			T	T		1.05
Greenville	G				.10		.12		.20									.06	.18				.05		.03	.03			.14			0.66
Henderson	O																															
Hopkinsville	C	T	.31		.14		.86		.53								T	T	.50				.01			.09						1.85
Lovelaceville	M	.20				.80												T					.01			.03			.06			1.10
Mayfield	M	T.	.22		T		.86		.18								T	.46					.16				.20		.05			1.34
Murray	T	.20	.18				.99		.07		T							.06	T				.08			.02			.05			2.57
Owensboro	O		T			.66	T.	.05									T	.08	T			T		T		.04						0.83
Owensboro, Dam 46	O		.12	.02	.06	T	.61		.05	.02			T					.23	.02			T	T		.03	T	T		.2	T	T	1.44
Padueah	O		.08		.04		.74		.03	T				.02				.03	T			T	.10		F				.02			1.04
Padueah (near)	O					.66																										1.66
Princeton	G	.12	.01		.08		.75		.15				.01				.01	.12				.06		T	.01			.08				1.35
Rumsey, Lock No. 2	G		.12	.03	.05	.02	.54		.03	.04			.04					.08	T.				.02	.02								1.00
Russellville	G		.40		.24		1.35		.40	.05				.09				.01	.20							.15		.03				2.91
Uniontown, Dam 49	O		.04	.01	.02	.04	.68	.10	.09	.02	T		T					.17	T.						T.	.10			T	T		1.27
Central Division																																
Addison, Dam 45	O		.16	.02	.03	.12	.75	.01	.06	.15	T.			.03				.12	.02	T.		T.	T.		.05	.01			.01	T.		1.55
Anchorage	O		.15				.61		.13									.06	.29						.21				T			1.26
Bowling Green	G		.49		.20		1.45		.60										.58			T	.02			.08			.16			3.12
Brownsville, Lock No. 6	G		.70		.20	.08	1.30		.36	.10			.04		.11			.20	.17						.03		.03		.01			3.33
Burnside	C		1.60	.17	.16	.11	1.04	T	.41	.06			.18		.09			.28	.11	T			.05		T	T	.05		T.	T.			4.56
Carrollton ‡‡ (Lock No. 1)	K		.17		.11	.09	.36	.06	.02								.03	.05	.03				.05		.11							0.84
Cold Spring, Dam 36	O		.26	.05	T.	T.	.51	.02	T.	.10		.01	.02	T.			.08	.06	.05	.02			.02		.02	.02			T.	.01	T.	1.25
Danville	K	T.	.60	.03	.15		1.02	T.	.62	.32				.03		.20		.44	1.03	T		.01			.35	.05			.01	T		4.86
Dix Dam, Burgin ‡‡	K		.06		.16	.94		.22	.78				.04		.15			.18	.67	.03				.27								3.48
Eadsville			1.27	.19	.12	.27	1.08		.40	.23			.11		.04			.27	.44								T		T.			4.40
Eubank	C		1.20				1.37			.19								.87	.70						.05	.02						4.20
Frankfort	K		.35	.01	T	.12	.67	T.	T.	.23	T.			T.		T.		.01	.32	.07		.13		.15	T.	T		T	T			2.04
Franklin	G	.55	.81		.13		1.31		.65	.02				.05		.11		.02	.50	.10	10	.01			.45			.05		.03		4.54
Gest, Lock No. 3	K		.30	.06	.02	.16	.53		.03	.10								.14	.05				.06		.05							1.50
Glasgow	G	T.	.87					1.80								.26			.60													3.33
Grant, Dam 38			.18	T	T	.05	.50	T.	.63	.11	.02	.03	.03				.12	.05	.02	T				.08								1.26
Greensburg	G	.02	.72		.22		.96	.02	.56	.39				.07		.12		.10	.35						.05	.01			T.			3.59
High Bridge, Lock No. 7	K		.66	.06	.03	.16	.91	T	.10	.15				.03		.05		.12	.41	.03		.03			.26	.02	.02			.04		3.91
Irvington	T.	.21	T	.07			.85		.14	T.							T.	.05	.07			T.	T.		.11	T.			T.			1.50
Lancaster	K	.80	.09	.03	.21	.17		.50	.65				.03		.26		.15	.20	.07					.12		.03						4.16
Leitchfield	G		.57		.27		.77		.35	.04				.02			T.	.04	.20					.10	.10							2.46
Lexington ***	K		.64	.02	.16		.62		.47	.31				.01		.20		.56	.47	.02		.15		.05	.25	.03			.04	T.		4.00
Little Hickman, Lock No. 8	K		.55		.11		1.10	T.	.50	.10			T.			.28		.48	.48	T.			.10		.05		T.		T.		4.09
Lockport, Lock No. 4	K		.39	.06	.05		.32		.66	.16							T.	T.	.15	.30		T.	.05		.14				T.			1.61
LOUISVILLE ***	O	T.	.24	.03	.04		.66		.14	T.						T.	.12	.07	.08			.02		.06	.10	T.			.03			1.59
Mammoth Cave	G	T.	.06	.01	.23		1.55		.50	.04				.01		.06	.01	.04	.65	.11		T.	T.	T.	T.	.05	T.	T.		.07		3.68
St. John			.58		.09		.75		.36									.30	.08	.12		.01	T.		.03	.02			.01			2.58
Salvisa, Lock No 6	K		.70	T	T		.80		.24	.60				T		.10		.39	.36						.28							3.53
Sadieville	S		.33	.02	.18		.72		.10	.05							.10	.05	.15		.60		.05						.04			3.59
Taylorsville	S		.50		.13		.74		.11								T.	T.	.37			.05		.20		T.						2.03
Tyrone, Lock No. 5	K		.50	.05	T.	.15	.76		.03	.52				.02		.05		.30	.25	.03			.02		.40		.01		T	.02		2.91
Williamstown	I		.45		.15		.45		.15	.05				.03					.55					.10		.25						2.18
Woodbury, Lock No. 4	G		.23		.15	.03	.95		.33	.12								.08	.27						.02		.03			.01		2.23
Eastern Division																																
Annville	C		1.27	.18	.05	.28	.92	.01	.42	.40			.08		.16			.24	.48	.03					.06	.06	.04			.01		4.63
Ashland	O		.39	.44		.11	.32	.02		.27	.08		.01	.02	.01	.05	.06	.07	.27	.30			.01		.07							2.85
Berea	K		.84	.44	.30		.24	.06	.70	.27				.10		.23			.18	.89	T.		T.		.21	.06		.03				4.82
College Hill, Lock No. 11	K		.88	.16	T.	.85			.15	.30				.08		.25			.18	1.00	.04		.02	T.	.10		.02	T.				4.03
Cynthiana			.48	.03		.02	.73	.02		.45									.15	.55	.20				T.	T.	T.	T.				2.68
Falmouth	L		.40	.09	.01	.12	.44	.02	.61	.18		T.	.02	.01		T.	.08	.08	.15	.03		.01	T.		.12	.01			T.	T.	T.	1.75
Farmers	L		.75	.23			.75		.02	.60						.16		.51	1.00	.13					T.				T.	.26		4.41
Flemingsburg	L		.41	.11	.61				.65	.34			.20					.31	.92	.48					.23						.03	3.69
Ford, Lock No. 10	K		.56	.12	.01	.16	.77	T.	.63	.49	T.			.04		.22		.47	.39	.03		.02			.17	.03	.01		.01	.01	T.	3.52
Greenup, Dam 30	O		.17	.46	T.	.18	.24	.14		.45	.03		.03	.06		.10	.02	.07	.23	.33	.03		.02		.03	.05						2.54
Harlan			.55		.50			.67	.56	.48				.08		.07			.16		.96	.10	.10		.08				.10	T.		4.36
Hazard	K			.60	.42	.60	.02	.28								.28				.47	.28							.02				2.97
Heidelberg, Lock No. 14	K		1.14	.20	.07	.14	.80	.08	.34	.70				.11		.06			.31	.45	.09		.02		.06	.03	.02		.05	.01	T.	4.68
Jackson	K		2.10	.20	.20	.12		1.05		.40	.70			.12		T.			.60				.20						.20			5.69
Jenkins			.34	.48				.82	.12	.30	.60			.05		.31		.25	.76	.79			.16		.19		.17			.04		5.39
Louisa	B		.50	.68				.84		.10	.42			.16		.28		.51														
Manchester	K																															
Maysville	O		.33	.11	.03	.11	.48	.09	T	.45	T.	T.	.04	.01		T.	.03	.38	.59	.15		.05		.03	.07				.01		2.96
Middlesboro	C		.88	.05	.68		.72		.65	.60				.04		.17		.96							.20							4.95
Mount Sterling			.44		.04		.02	T.	.04	.31								.73	.65			.68			.35			.05				4.31
Oneonta Dam 35	O		.29	T.		.12	.38	T.	T.	.11		T.	.05	T.			.08	.21	.05	.01					.04	.02			T.	T.	T.	1.80
Paintsville	B		1.09	.31		.23	.78	.04	.27	.63	.01			.09		.17		.33	.85	.16		.06			.12				.05			5.19
Pikeville	B		.66	.20	T.	T.	.67		.24	.68				T	T	.10		.02	.54	.36		.06			.15	T.		T.	.05	.15		3.88
Pippapass	K	T.	.71	.31	.24	.04	.78		.50	.61				.11		.12		.12	.56	.40		.02	.01		.10	T.	.17	T.	T.				4.83
Quicksand	K		.80		.68		.80	.62		.43				.15	.12		T.		.20			.10			.05							3.95
Ravenna, Lock No. 12	K		1.11	.22	T.	.12	.82	.12	.34	.47				.12		.18	T.	.22	.59	.12		.08		.12	T.	.05			T.			4.68
Richmond	K		.80	.40	.15	.10	.80	.10	.40	.40				.05		.25		.20	.50			.20										4.05
Valley View, Lock No. 9	K	.52	.60	.05	.18	.80		.11	.62			.02			.18		.33	.35				.11										3.34
Vanceburg, Dam No. 32	O		.35	.13		.12	.35	.11		.37	.03		.04	.05		.02		.04	.36	.15			.02		.03	.05						2.22
Williamsburg				.31	.08		1.09		.48	.29				.06					.14	.18	.30					.28	.08					3.29
Willow, Lock No. 13	K	1.12	.16	.12	.18	.80	T.	.75	.38					.12	.12			.60	.45	.10			.03			.02							4.95

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

‡‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi. ¶Love Oak §10.10.

Daily Temperatures for January, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Calhoun	Maximum	43	43	48	46	45	43	43	44	49	47	50	62	62	57	57	48	43	42	51	34	41	41	10	18	22	22	14	17	25	25	20	39.1
	Minimum	25	38	35	33	26	36	35	38	39	27	35	29	34	20	34	30	32	30	32	16	21	6	5	0	15	7	6	3	14	0	2	21.6
Earlington	Maximum	43	43	50	48	46	48	48	45	49	49	52	65	63	60	56	51	46	50	51	33	43	41	9	18	26	23	16	18	26	26	20	39.9
	Minimum	31	38	36	37	28	37	36	38	39	29	37	29	35	28	35	31	30	35	28	15	24	34	2	0	15	8	5	7	15	3	0	23.9
Greenville	Maximum	42	43	49	45	45	48	44	46	47	49	53	65	62	58	52	52	47	48	52	32	43	38	16	18	25	20	16	16	24	28	21	39.1
	Minimum	28	35	34	31	24	35	33	36	37	26	35	25	32	23	31	29	29	26	21	8	18	10	6	5	13	6	10	7	12	1	6	19.4
Henderson	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Hopkinsville	Maximum	43	41	51	47	44	48	45	45	47	46	53	66	58	56	53	54	52	52	52	32	33	43	42	26	21	32	26	17	10	25	25	40 7
	Minimum	30	36	35	33	25	37	34	36	37	25	36	28	34	29	33	30	30	28	22	11	17	15	9	3	17	9	6	6	14	4	1	21.7
Lowelaceville	Maximum	42	42	51	47	47	46	44	49	49	50	54	64	63	56	52	43	41	45	50	34	44	40	15	14	23	22	18	18	25	25	24	39.1
	Minimum	30	30	29	32	24	33	35	37	24	33	28	32	26	31	28	28	28	28	32	12	26	19	2	9	14	7	5	1	11	3	0	20.1
Mayfield	Maximum	42	42	51	48	47	48	44	42	49	50	57	65	63	56	53	52	53	53	51	34	44	40	12	18	29	19	20	20	28	27	25	41.0
	Minimum	32	37	36	33	27	35	32	35	34	31	34	37	34	35	33	30	40	..	..	..	4	4	16	9	5	0	11	1	3	*23.2		
Murray	Maximum	45	42	54	46	50	49	44	44	49	51	55	68	65	59	56	56	53	51	52	35	45	45	13	24	33	24	18	21	29	26	26	41.9
	Minimum	30	37	29	30	29	37	35	37	38	25	35	26	30	22	30	30	29	27	24	8	15	13	7	4	17	10	4	1	16	4	0	26.9
Owensboro	Maximum	38	42	48	44	46	45	41	44	48	46	50	62	61	57	48	46	41	41	46	29	40	28	12	16	29	17	16	12	21	19	13	35.1
	Minimum	28	35	38	39	35	36	32	38	39	26	35	27	30	26	30	28	30	28	30	20	15	28	4	7	4	1	1	10	7	9	4	7	20.3
Princeton	Maximum	44	41	52	45	45	46	41	44	48	46	50	62	61	57	48	46	41	41	46	30	40	28	11	19	27	23	17	20	26	24	23	39.8
	Minimum	31	39	34	30	29	38	34	36	38	26	35	28	34	25	33	30	30	29	28	14	20	10	2	5	15	8	5	1	18	1	2	21.5
Russellville§§	Maximum	42	42	47	47	42	49	40	48	47	49	52	62	60	62	55	52	48	50	57	37	41	41	11	20	31	12	12	18	26	19	21	37.8
	Minimum	21	34	34	35	25	25	34	34	37	30	30	30	34	28	33	30	31	32	22	8	12	14	3	3	2	10	11	3	0	4	5	19.8
Central Division.																																	
Anchorage	Maximum	42	42	43	39	43	44	43	44	43	47	49	61	52	59	43	39	40	41	33	30	38	26	16	18	24	18	11	16	22	19	13	35.6
	Minimum	26	35	35	33	22	35	35	34	36	21	34	24	32	22	32	30	28	24	22	10	16	8	6	12	8	8	3	11	18	8	4	15 9
Bowling Green	Maximum	41	43	46	43	45	49	48	50	47	50	48	63	58	57	53	55	50	55	45	36	40	32	8	20	30	8	27	35	36	46	26	42.9
	Minimum	29	35	35	34	36	38	38	36	39	30	38	29	37	25	28	28	32	33	30	18	26	10	22	8	2	16	15	5	6	13	10	1 23.7
Danville	Maximum	41	44	43	41	40	48	47	53	51	49	46	59	54	60	53	54	49	50	47	30	38	39	11	25	24	16	12	12	25	23	14	38.2
	Minimum	25	30	31	30	26	34	35	34	39	28	37	28	36	22	36	30	31	31	19	7	6	4	12	3	16	6	11	12	6	10	5	19.0
Dix Dam	Maximum	45	45	48	42	41	49	49	53	55	50	46	59	52	62	56	56	46	59	34	36	38	40	10	20	24	17	11	18	25	25	14	39 1
	Minimum	26	38	36	32	36	36	37	36	40	28	40	29	39	25	38	32	33	34	21	6	12	7	5	11	2	10	3	12	8	7	10	8 21.0
Eubank	Maximum	39	45	44	39	44	49	50	53	55	29	31	47	51	48	51	52	55	58	53	45	39	42	35	29	21	22	25	20	25	22	31	40.3
	Minimum	29	35	33	30	33	31	34	36	38	21	21	30	31	30	28	32	30	31	29	2	1	10	11	8	10	5	17	15	5	5	10	17.5
Frankfort	Maximum	43	44	43	42	47	48	48	47	48	50	60	57	61	53	44	42	47	35	29	37	37	37	12	19	20	18	12	17	23	22	14	37.5
	Minimum	27	35	36	33	26	32	36	36	40	26	40	28	37	22	35	31	31	32	21	1	7	0	15	7	10	6	13	13	7	10	7	18.6
Franklin	Maximum	45	42	49	45	44	47	47	47	48	49	47	58	58	58	53	49	50	48	32	34	42	48	17	21	32	27	18	15	26	25	24	40.0
	Minimum	29	37	36	34	27	37	36	35	38	32	38	33	37	38	38	33	32	32	28	18	15	15	6	1	17	10	7	2	12	9	1	23 3
Glasgow	Maximum	43	40	45	40	48	50	49	54	47	49	55	66	55	52	50	50	50	54	32	34	38	32	16	25	32	24	15	15	25	22	20	39.8
	Minimum	29	39	37	31	25	34	39	37	39	30	30	30	33	23	35	33	32	32	21	6	28	2	7	1	15	6	12	8	10	1	7	19.8
Greensburg	Maximum	43	43	43	41	47	49	50	55	51	47	47	62	58	60	55	59	52	61	34	31	38	41	16	22	31	25	15	15	28	28	25	46 7
	Minimum	27	35	34	29	23	35	34	32	37	25	38	23	35	19	36	33	29	31	20	4	1	11	10	5	12	9	13	11	8	8	5	18.9
Irvington	Maximum	43	44	43	40	44	42	47	44	47	47	58	65	65	61	51	41	40	45	30	31	37	38	12	20	27	17	12	15	24	22	15	36.4
	Minimum	31	38	38	38	29	37	36	36	39	29	39	32	34	28	34	32	32	30	21	16	15	8	5	9	13	5	9	7	12	2	3	21 5
Leitchfield	Maximum	45	42	43	42	46	46	46	45	45	47	50	60	56	56	52	51	44	55	27	31	38	37	13	21	25	19	15	15	25	23	19	38.2
	Minimum	29	37	36	34	27	37	36	35	38	32	38	33	37	38	38	33	32	32	28	18	15	15	6	1	17	10	7	2	12	9	1	23 3
Lexington	Maximum	42	41	45	38	43	46	37	49	40	44	43	55	44	58	47	48	42	39	20	26	34	33	7	19	19	15	7	15	28	19	10	33.5
	Minimum	26	35	34	33	27	34	33	33	35	27	29	30	33	26	36	29	30	26	10	4	10	10	2	5	9	2	15	12	6	17	8	20 1
Louisville	Maximum	43	44	48	41	41	46	39	45	45	47	48	60	60	58	47	39	48	44	31	29	36	35	11	18	28	18	10	18	32	28	20	35.7
	Minimum	29	37	36	29	29	37	36	36	38	34	34	39	33	32	28	32	31	31	27	18	17	18	9	11	3	11	3	10	5	10	3	19.9
Mammoth Cave	Maximum	39	40	40	39	41	47	49	49	47	44	47	56	56	56	56	51	48	44	25	29	32	34	5	16	21	23	8	18	22	23	13	36.1
	Minimum	29	37	35	31	26	40	35	34	38	28	36	28	35	30	34	32	31	28	21	12	10	2	8	4	13	6	10	9	11	6	4	29.6
St. John	Maximum	40	41	39	34	40	42	40	42	44	42	45	54	50	54	36	38	38	51	29	25	34	32	12	16	20	18	13	19	23	21	22	33.1
	Minimum	26	34	34	30	24	34	34	33	32	32	35	34	36	23	34	30	30	29	4	18	7	11	1	9	10	2	18	13	9	0	12	17 2
Shelbyville	Maximum	41	41	45	38	43	46	37	49	40	44	43	55	44	58	47	48	42	39	20	26	34	33	7	19	19	15	7	15	28	19	10	33.8
	Minimum	26	35	34	33	27	34	33	33	35	27	29	30	33	26	36	29	30	26	10	4	10	10	2	5	9	2	15	12	6	17	8	20 1
Louisville	Maximum	43	44	48	41	41	46	39	45	45	47	48	60	60	58	47	39	48	44	31	29	36	35	11	18	28	18	10	18	32	28	20	35.7
	Minimum	29	37	36	29	29	37	36	36	38	34	34	39	33	32	28	32	31	31	27	18	17	18	9	11	3	11	3	10	5	10	3	19.9
Mammoth Cave	Maximum	39	40	40	39	41	47	49	49	47	44	47	56	56	56	56	51	48	44	25	29	32	34	5	16	21	23	8	18	22	23	13	36.1
	Minimum	29	37	35	31	26	40	35	34	38	28	36	28	35	30	34	32	31	28	21	12	10	2	8	4	13	6	10	9	11	6	4	29.6
St. John	Maximum	40	41	39	34	40	42	40	42	44	42	45	54	50	54	36	38	38	51	29	25	34	32	12	16	20	18	13	19	23	21	22	33.1
	Minimum	26	34	34	30	24	34	34	33	32	32	35	34	36	23	34	30	30	29	4	18	7	11	1	9	10	2	18	13	9	0	12	17 2
Shelbyville	Maximum	41	41	45	38	43	46	37	49	40	44	43	55	44	58	47	48	42	39	20	26	34	33	7	19	19	15	7	15	28	19	10	33.8
	Minimum	26	35	34	33	27	34	33	33	35	27	29	30	33	26	36	29	30	26	10	4	10	10	2	5	9	2	15	12	6	17	8	20 1
Taylorsville	Maximum	43	42	41	40	45	48	44	48	48	46	47	57	55	57	47	48	43	44	31	28	35	37	8	16	21	18	13	20	24	21	13	35.5
	Minimum	34	38	36	32	25	33	35	36	38	25	35	25	33	21	34	30	31	30	20	9	8	34	11	12	21	18	13	20	24	21	13	35.5
Williamstown	Maximum	44	42	41	38	42	43	43	41	44	48	45	57	53	57	54	56	55	41	32	29	38	34	11	19	21	18	13	20	24	21	13	35.5
	Minimum	23	33	34	30	25	33	34	33	37	26	36	28	34	23	35	30	29	26	18	2	10	0	10	1	8	2	14	11	6	13	9	17.5
Eastern Division.																																	
Ashland	Maximum	43	43	43	42	47	44	46	45	47	47	49	63	52	59	57	49	39	58	27	30	35	41	12	15	19	25	19	15	22	27	16	40.8
	Minimum	24	30	36	31	30	32	39	36	42	32	35	34	41	24	33	31	31	32	21	6	7	12	1	11	3	16	3	13	8	3	16	3 19.4
Berea	Maximum	45	51	48	38	41	51	55	56	41	41	59	69	54	62	42	42	42	62	34	22	33	40	9	18	18	18	12	14	24	24	16	37.9
	Minimum	27	28	35	32	28	34	34	34	34	30	40	31	38	23	35	31	31	38	19	5	9	8	12	4	11	5	11	12	4	12	5	20.1
Farmers	Maximum	49	49	44	41	49	46	48	46	52	50	47	60	64	59	55	45	40	38	26	40	39	39	21	21	21	17	20	26	26	27	17	37.7
	Minimum	21	32	33	27	24	29	35	34	39	24	32	27	38	31	27	30	30	18	0	7	10	17	19	2	6	20	16	3	17	16	*14.7	
Harlan§§	Maximum	44	54	40	42	45	54	54	50	56	45	53	69	59	69	62	56	59	67	61	46	51	45	17	20	26	22	24	27	28	29	22	43.2
	Minimum	29	45	39	34	30	38	44	42	46	33	39	38	39	28	42	37	37	40	22	17	12	18	3	5	28	22	2	3	12	16	2	26.2
Heidelberg	Maximum	46	37	39	41	48	46	45	48	47	48	58	66	63	56	53	55	55	55	42	37	37	42	17	20	22	24	17	18	25	28	19	39.7
	Minimum	26	27	34	31	29	28	31	39	35	33	28	35	26	33	21	31	33	34	35	22	17	3	17	10	3	10	5	12	10	5	14	3 20.6
Maysville	Maximum	45	45	47	55	53	47	41	46	48	43	51	57	56	58	56	50	60	60	43	27	32	42	35	24	30	31	24	19	26	29	24	42.2
	Minimum	24	33	34	29	24	29	36	33	39	26	33	28	36	19	32	28	29	32	17	1	6	5	17	5	25	12	9	10	15	7	5	*23.4
Middlesboro	Maximum	44	49	48	42	42	50	50	50	50	..	51	56	55	58	56	50	49	50	42	27	18	18	3	2	20	22	6	5	8	21	4	*23.4
	Minimum	23	36	39	29	28	32	46	39	42	..	39	45	46	28	37	33	31	42	27	18	9	18	3	2	14	16	14	3	18	27	23	18 36.2
Mount Sterling	Maximum	43	44	44	40	43	48	46	48	48	46	45	55	52	60	47	53	46	45	46	29	29	35	12	18	25	24	16	15	25	25	16	41.3
	Minimum	25	35	31	30	25	31	38	36	42	26	36	28	38	28	36	32	32	28	30	31	20	4	8	5	17	6	11	5	7	2	5	16 4
Pikeville	Maximum	48	58	49	43	46	57	52	57	57	49	52	59	56	61	54	52	58	59	42	27	36	37	16	18	24	11	14	5	5	18	0	22 8
	Minimum	25	34	39	30	30	33	44	31	45	30	38	28	42	26	36	31	34	30	20	10	6	18	4	1	11	14	5	5	8	7	1	25 45 0
Pippapass	Maximum	52	45	46	43	50	59	57	60	59	53	56	64	58	59	55	54	59	62	46	28	40	45	35	24	25	26	25	21	28	28	18	43.7
	Minimum	25	38	38	29	29	29	41	36	44	36	40	24	30	38	24	33	36	33	37	22	17	3	20	7	2	19	14	6	6	9	4	27 0 22.4
Quicksand	Maximum	52	43	42	43	49	59	61	53	50	62	56	62	58	62	51	..	60	59	41	43	18	25	22	26	22	25	28	28	18	48.7		
	Minimum	22	32	33	27	26	26	38	32	40	27	28	25	35	30	28	30	47	60	55	56	38	40	24	26	30	36	8	26	26	20	16	18 25 18 37.3
Richmond	Maximum	34	43	45	45	51	42	50	40	46	42	47	64	60	47	60	55	56	58	46	24	26	30	36	8	26	26	20	16	18	25	18	37.3
	Minimum	27	36	34	32	27	31	35	35	40	30	36	32	38	30	32	27	40	39	31	37	20	7	15	28	14	2	20	4	15	11	8	21.6
Williamsburg	Maximum	45	51	51	53	47	55	55	58	54	57	56	58	61	60	58	56	63	63	43	23	37	31	23	23	25	31	34	22	26	29	22	44.4
	Minimum	18	27	34	36	31	28	38	40	50	29	32	27	45	25	41	39	31	36	20	13	15	11	5	1	8	7	11	8	11	13	0	21.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, **, etc. indicate respectively 1, 2 ... etc., days missing from record.

C. F. O. Lentz, cvlo. 1-25-36. 1100.

55105
UNKE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.

J. L. KENDALL.

VOL. XLI LOUISVILLE, KY., FEBRUARY, 1936 NO. 2

GENERAL SUMMARY.

The severe cold spell that began in the preceding month continued with brief intervals of thawing until the 21st. In the last week normal or considerably higher temperatures caused the ground to thaw out completely and settle sufficiently that fields could be entered for sowing to clover and lespedeza. Freezing to depths as great as 22 inches was reported from western districts at the close of the cold spell. In the northern counties water pipes were frozen at greater depths than in any winter since 1917-18. This deep freezing was disastrous to the various types of macadam roads. Even the roads treated with oil or tarvia gave way under the usual traffic as they thawed through.

Comparatively light snow cover in central and western districts melted off at times and exposed winter grains to sudden and severe freezes with resulting injury. The snow accumulation was much heavier in the eastern counties, where grains had better protection. The disappearance of the snow about the 21st revealed serious damage to grains especially in the northern counties. The extent of damage depended on the type of soil, as well as the amount and duration of snow protection. Two short periods of excess warmth in the last week started slight growth, which showed that most wheat plants were alive although often small and weak. Grains were generally in much better condition in the southern counties. Bluegrass on warm slopes began to grow slowly at this time.

The cold dry weather was very unfavorable for stripping and marketing tobacco. It was only during the brief moist periods when temperatures were moderate that much progress could be made. The severe cold made difficult the preservation of young livestock and caused some loss. On the last two days the ground became dry enough that tobacco plantbeds could be burned and sown, but the work had barely commenced when the month closed. After the thaw the ground remained too wet for plowing. On account of the thorough freezing and absence of heavy rainfall, land already broken was in excellent condition for further preparation when sufficiently dried.

TEMPERATURE.

On most days during the first three weeks mean temperatures ranged from 5° to 35° below normal, with the greatest deficiencies in the periods, 1st, 5th, 9-10th, and 17-20th. In the eastern counties the coldest day was the 1st, when temperatures ranged from 0° to −14°. In other sections the lowest temperatures were registered on the 18th, with minima of −3 to −10° at most stations. Except on two days when temperatures were near normal, daily averages in the last week ranged from 10° to 20° above the seasonal mean. Extremes for the State were 79° at Farmers on the 26th, and −14° at Taylorsville and Farmers on the 1st.

PRECIPITATION.

Precipitation averaged slightly more than half the normal amount. From 2.0 to 2.5 inches occurred in a large district in the western division, a few extreme northern counties, part of the central bluegrass region, and the southeastern mountain counties. In the remainder and larger portion of the State amounts varied between 1.2 and 2.0 inches. The range for the State was from 1.01 inch at Ford to 3.29 inches at Middlesboro. One-third or more of the precipitation occurred as snow, which fell heaviest about the 2d and 13th. Most stations in the eastern and western divisions reported a total snowfall between 8.0 and 11.0 inches. The central counties received from 3.0 to 5.0 inches. Moderate to heavy rain occurred on the 4th at central and eastern stations, and on the 13th in the central and western districts. Moderate rains were fairly general on the 27th. Light precipitation, usually in the form of snow, occurred on the periods 1st-2d, 7-8th, and 14-18th. Thunderstorms were reported from extreme western districts on the 26th.

MISCELLANEOUS.

Rivers.—A sharp rise started in the upper river on the 27th due to rain and melting snow in the basins of southern tributaries. Light rain and melting snow started another and more rapid rise on the 28th, that continued with moderately high stages in the upper river at the end of the month.

Heavy ice ran in the Ohio during the first three weeks. Navigation was resumed between Louisville and Cincinnati on the 24th. A small amount of ice was running as late as the 28th.

An ice gorge formed in the lower Ohio near Golconda, Illinois on the 7th and held until the 24th. Heavy ice passing down against the gorge filled the river to stream to Dam 47 above Evansville. The backing of the water above the gorge caused the river to rise considerably above flood stage at Dam 47, Evansville and Lock 48, and continue above flood in that section from the 20th to 26th.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Relative humidity. Date.	7 a. m.	12 noon	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.12	30.51	18	29.40	3	9.4	30	s	24	76	67	70	49
Cincinnati ..... Ohio	30.12	30.46	1	29.27	4	8.9	34	sw.	4	78	62	66	51
Evansville ..... Ind.	30.13	30.50	18	29.37	3	9.7	32	w.	4	78	64	69	57
Louisville ..... Ky.	30.14	30.46	1	29.32	4	10.8	38	w.	4	77	68	70	44

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation. Average.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	34.1	74	3	1.91	....	..	..	..	..
1890	45.6	86	16	7.98	....	..	..	..	..
1891	42.2	76	0	4.72	....	..	..	..	..
1892	42.2	70	11	2.92	....	..	..	..	..
1893	37.7	70	3	4.40	....	..	..	..	..
1894	34.6	74	2	4.66	....	..	..	..	..
1895	25.9	80	− 18	0.66	...	5	12	8	8
1896	37.4	81	− 2	3.06	....	9	9	8	12
1897	39.8	76	18	5.75	1.2	11	8	7	13
1898	37.4	77	− 3	1.61	2.6	6	10	8	10
1899	26.2	71	− 30	3.97	10.8	11	9	6	13
1900	32.5	76	− 9	4.68	7.0	12	7	8	13
1901	32.4	71	1	1.27	2.1	6	10	7	11
1902	27.9	69	− 3	1.30	2.8	7	10	6	12
1903	37.5	75	− 16	7.28	6.1	9	11	4	13
1904	35.2	76	− 2	2.32	2.6	7	11	8	10
1905	27.9	67	− 16	2.44	3.9	9	10	5	13
1906	34.7	75	− 12	1.81	5.9	7	16	5	7
1907	35.7	73	− 10	3.96	7.6	9	11	5	12
1908	35.6	70	2	5.56	3.1	13	9	5	15
1909	42.4	76	− 8	8.17	1.0	11	12	4	12
1910	32.9	66	− 12	4.70	11.9	10	12	4	14
1911	42.0	80	11	3.25	0.4	9	10	4	14
1912	29.7	68	− 14	3.08	3.3	7	10	5	9
1913	34.8	77	− 2	2.94	1.4	7	14	6	11
1914	32.2	69	− 2	4.14	7.2	11	10	5	13
1915	41.9	75	13	1.74	0.2	8	9	5	13
1916	35.0	72	− 4	2.99	5.0	9	11	6	12
1917	34.8	80	− 9	3.51	4.7	8	9	6	11
1918	39.3	89	− 8	2.04	0.6	7	11	8	10
1919	38.6	69	12	1.79	1.1	9	11	7	12
1920	35.7	71	0	2.27	3.8	9	8	5	16
1921	41.3	77	11	3.20	8.9	19	8	5	15
1922	41.3	76	4	3.58	0.8	10	8	6	14
1923	34.6	74	− 4	4.67	1.6	10	10	5	13
1924	36.0	71	9	2.56	1.9	9	9	5	15
1925	44.0	76	8	3.91	0.6	9	12	6	10
1926	41.1	70	4	3.14	1.4	19	8	7	13
1927	45.6	81	15	2.65	4.2	11	10	6	12
1928	38.1	72	5	2.48	1.0	10	11	4	14
1929	31.2	68	− 14	3.58	12.6	9	10	7	11
1930	45.1	80	2	3.49	0.5	8	11	7	10
1931	41.6	76	12	3.20	0.3	8	12	4	12
1932	46.7	82	15	3.36	T.	8	14	5	10
1933	37.5	75	− 9	4.25	4.4	12	13	5	10
1934	31.8	72	− 19	2.20	8.0	7	12	7	9
1935	40.1	73	5	2.35	0.6	8	9	7	12
1936	32.1	79	− 14	1.95	5.5	9	12	5	12
Period	36.9	86	− 30	3.38	3.7	9	10	6	12

Climatological Data for February, 1936.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches			Number of days				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																			
Birmingham	Marshall										1.72		0.60	7.3	6					Tennessee Valley Association.
Calhoun	McLean	437	32	31.7	−7.4	72	25	−5	18	36	2.09	−1.23	0.93	5.7	10	8	10	11	nw.	W. A. Taylor.
Earlington	Hopkins	420	46	33.3	−4.5	72	25	−4	18	34	1.81	−1.72	0.65	4.5	6	15	1	13	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	7								2.10		0.72	8.5	9					Lockmaster.
Greenville	Muhlenburg	519	19	31.6	−8.4	73	25	−10	18	35	1.75	−1.46	0.51	6.7	9	15	5	9	s.	C. R. Lovell.
Henderson	Henderson	382	22	31.2		72	25	−7	18	33	2.11	−0.55	0.66	3.3	10	8	8	13	w.	Richard Stites
Hopkinsville	Christian	524	40	32.8	−6.4	71	29	−7	18	39	1.83	−1.79	0.48	7.0	9	12	5	12	se.	W. E. Graves.
Lovelaceville	Ballard		7	31.4		71	25	−9	18	34	2.69		1.10	11.5	6	14	1	14	s.	Blaine Maione.
Mayfield	Graves	364	27	b32.3	−7.7	70b	26†	−10	18	32b	1.93	−1.39	0.49	6.0	7	14	2	13	n.	Mrs. C. R. Sowell.
Murray	Calloway	412	10	33.0		72	24	−12	18	40	2.35	−0.95	0.66	7.1	10	13	4	12	s.	Harry B. Arnold
Owensboro	Daviess	479	39	31.3	−5.2	70	25	6	1	30	1.69	−1.16	0.90	4.0	8	13	6	10	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	8								2.30		1.00	6.1	9					Lockmaster.
Padueah	McCracken	516	19								1.66	−1.65	0.62	8.0	8	11	5	13		C. J. Rhodes.
Paducah, Cheart's	McCracken	341	47								1.74	−1.92	0.62		7					J. W. Lilley
Princeton	Caldwell	529	29	32.2	−5.6	74	25	−7	18	36	2.20	−1.29	0.60	6.0	9	13	3	13	n.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	384	19								1.58	−1.24	0.84	6.3	7					Lockmaster.
Russellville	Logan	590	25	30.4	−7.9	73a	25	6	18	35a	2.03	−1.45	0.91	6.6	6	14	2	13	n.	Wm. Shelton.
Uniontown, Dam 49	Union	357	8								1.87		0.60	10.3	9					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	8								2.48		1.21		10					Lockmaster.
Anchorage	Jefferson	700	35	28.6	−5.9	69	25†	−10	19	35	1.46	−1.40	0.53	4.0	7	14	3	12	nw.	C. B. Barret.
Bowling Green	Warren	500	47	34.2	−4.8	73	25	−3	18	34	2.06	−1.56	0.60	2.6	10	6	13	w.		Mrs. Lillie G. Causey.
Brownsville, Lock 6	Edmonson	410	19								2.89	−1.58	0.66	5.3	10					Lockmaster.
Burnside	Pulaski	705	45								1.20	−2.60	0.35	6.0	9					T. A. Lewis
Carrollton, Lock 1	Carroll	480	37								1.93	−0.67	0.84		8					Lockmaster.
Cold Spring, Dam 36	Campbell	489	10								2.30	−0.09	0.67	8.0	9					Lockmaster.
Danville	Boyle	540	3	31.8		72	26	−5	18	34	1.88	−1.25	0.48		11	10	5	14	w.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	8	33.6	−6.7	71	26	−4	18	34	1.75	−1.22	0.53	5.0	8	11	4	14	se.	C. W. Williams.
Eadsville	Wayne	622									1.85		0.40	5.5	10					
Eubank	Pulaski	1177	42	33.8	−4.9	70	25	−4	18†	37	2.41	−0.98	0.92	4.0	6	12	5	12	n.	Mrs. Katie Payne.
Frankfort	Franklin	960	41	30.8	−6.0	71	25	−6	18	42	1.43	−1.71	0.54	4.5	9	12	5	12	w.	Lockmaster.
Franklin	Simpson	691	41	34.0	−5.8	69	29	−4	18	34	2.08	−1.77	0.89	2.0	13	13	4	12	n.	Marcus Gatewood.
Gest, Lock 3	Henry	490	25								1.81	−1.23	0.58	1.5	11					Lockmaster.
Glasgow	Barren	780	10	33.6	−8.0	70	26	−5	18	37	2.59		1.00	5.0	8	15	3	11	w.	P. L. Beatty.
Grant, Dam 38	Boone	780	11								2.00	−0.16	0.80		10					Lockmaster.
Greensburg	Green	581	43	31.6	−4.7	72	25†	−6	18	37	1.73	−1.88	0.42	2.9	10	5	4	20	ne.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	544	34								1.84	−1.24	0.55		10					Lockmaster.
Irvington	Breckinridge	646	38	31.8	−4.9	68	25†	−5	18	36	2.15	−0.99	1.08	4.5	8	11	2	16	sw.	W. J. Pigott
Lancaster	Garrard	1032	10								1.57	−1.33	0.47		8					Walter Killion.
Leitchfield	Grayson	635	40	31.6	−4.8	72	25	−8	18	42	2.08	−1.30	0.47	7.5	10	8	13	w.		H. H. Willis.
Lexington	Fayette	980	52	29.6	−5.8	69	26	−6	18	30	2.07	−1.55	0.52	4.8	12	9	7	13		U. S. Weather Bureau
Littlefickman, Lock 8	Jessamine	560	25								1.70	−1.66	0.43	6.0	10					Lockmaster.
Lockport, Lock 2	Henry	485	26								2.98	−0.59	0.72	2.3	9					Lockmaster.
LOUISVILLE	Jefferson	525	63	29.6	−7.6	69	25	−7	18	37	2.10	−1.51	0.94	4.9	11	7	11	11	n.	U. S. Weather Bureau
Mammoth Cave	Edmonson			32.2		72	27	−6	18	38	2.22		0.59	4.6	12	8	8	13	w.	Ivan J. Ellsworth.
St. John	Hardin	777	40	30.6	−4.8	71	25	−11	18	39	1.80	−1.82	0.54	2.9	8	15	4	10		Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	22								2.08	−1.06	0.64		10					Lockmaster.
Shelbyville	Shelby	825	47	30.0	−4.1	69	25	−11	18	32	2.07	−1.33	0.58	6.8	12	10	0	19	sw.	Miss Ruth Ratta.
Taylorsville	Spencer	489	34	c27.9	−8.7	71c	26	−14c	1	37c	1.43	−1.90	0.40	3.5	8	13	3	13		Elizabeth J. Bourne.
Tyrone, Lock 5	Anderson	524	18								1.57	−1.53	0.32	6.7	10					Lockmaster.
Williamstown	Grant	945	33	29.9	−3.9	68	25†	−8	18	40	2.49	−0.22	0.77	2.0	9	12	7	10	w.	Miss Nellie B. Simpson.
Woodbury, Lock 4	Butler	504	19								1.91	−1.61	0.42	7.4	10					Lockmaster.
Eastern Division.																				
Annville	Jackson		5								1.68		0.48	4.5	10	8	9	12	sw.	W. A. Worthington.
Ashland	Boyd	534	17	32.2	−5.5	75	26	−3	1	36	1.27	−1.81	0.29	2.0	11	13	1	16	w.	Lockmaster.
Berea	Madison	1050	31	31.3	−7.5	74	27	−3	18	37	1.69	−1.50	0.89	5.6	8	14	7	8	sw.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	26								1.70	−1.14	0.86	10.8	9					Lockmaster.
Cynthiana	Harrison	684	18								1.40	−1.66	0.65	5.0	6					P. D. Redmon.
Falmouth	Pendleton	690	47								2.01	−0.98	0.51		10					T. V. Oldham.
Farmers	Rowan	565	28	31.2	−5.7	79a	26	−14a	1	45a	1.22	−1.88	0.33	3.0	9	8	7	14	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	11								1.22	−1.87	0.36		6					C. A. Glascock
Ford, Lock 10	Clark	637	20								1.01	0.96	0.31		10					Lockmaster.
Greenup, Dam 30	Greenup	540	16								1.47	−1.38	0.84	12.0	10					Lockmaster.
Harlan	Harlan	1197	8	38.0		73	25	3	1	36	3.06		1.32	7.5	6	19	0	10		R. W. Whitfield.
Hazard	Perry	869	12								2.38	−1.08	0.75		8					Chas. O. Ihrig.
Hodgenberg, Lock 14	Lee	663	19	33.4		74	26	−3	1	39	1.48	−1.58	0.42	5.0	11	10	5	14	w.	Lockmaster.
Jackson	Breathitt										3.06		1.29	4.0	6					Jas. T. Goff.
Jenkins	Letcher	1566	12																	R. R. Davidson.
Louisa	Lawrence	581	32																	Lockmaster.
Manchester	Clay		16																	Jennett P. White.
Maysville	Mason	524	35	29.6	−5.6	71	26	−8	1†	38	1.91	−1.19	0.55	4.5	10	9	7	13	w.	Lockmaster.
Middlesboro	Bell	1128	40	36.6	−3.2	69	26†	4	1	35	8.24	0.73	1.30	12.0	8	12	16	1		Matthew Woodson
Mount Sterling	Montgomery	950	46	30.2	−4.8	75	26	−7	19	31	1.77	−1.84	0.37	4.0	11	17	2	10	nw.	W. B. McKee.
Oneonta, Dam 35	Campbell	497	9								2.36	−0.57	0.68	5.7	10					Lockmaster.
Quicksville	Johnson	567	2								2.08		0.45	6.8	9					Manuel Robinson.
Pikeville	Pike	636	30	35.5		76	26	0	1	38	2.42	−1.02	0.68	9.0	8	4	9	16		Robert Reese.
Pippapass	Knott	1035	2	35.8		77	26	−4	1	52	2.22		0.53	5.0	11	11	4	14		August D. Angel.
Quicksand	Breathitt	732	10	32.0	−8.2	75a	26	−3a	1	46a	2.11	−1.55	0.83	4.0	5					Camey Run Com. Cen.
Ravenna, Lock 12	Estill	651	18								1.75	−1.32	0.36		9					R. W. Jones.
Richmond	Madison	966	45	31.0	−5.8	73	27	−5	19	36	1.95	−1.23	0.70	5.0	7	11	0	18		Lockmaster.
Valley View, Lock 9	Madison	571	23								1.45	−1.52	0.70	4.7	9					J. W. Crooke.
Lawrenceburg, Dam 32	Lewis	525	23								1.76	−1.67	0.42		9					Lockmaster.
Williamsburg	Whitley	929	39	31.0	−5.4	74	27	3	1†	42							9	15	5	Lockmaster.
W. Bow, Lock 13	Lee	646	17								1.48	−1.40	0.40	6.0	10					H. C. Groves.
State averages and extremes				32.1	−1.8	79	26	−14	1	52	1.95	−1.43	1.32	5.5	9	12	5	12	w.	Lockmaster.

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. §Lone Oak.
* Also on other dates. ** Received too late to be included in means and summaries. † Precipitation is less than 0.01 inch rain or melted snow.
Post-office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky.

Daily Precipitation for February, 1936.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Birmingham		00		.60			.30					.06						.11														
Calhoun	G	.45	T.				.06	.12	.17			.03	.93	T.			.01	.04		T						.26	.12					1.56
Earlington	G	T.	.44	T.			T.	.11	T.			.12	.65				.08	T.								.14					2.04
Fords Ferry Dam 50	O	.14	T.	.03			.01		.09				.72	.03			.05	.26		T.						.26	.14					1.81
Greenville	G	.35	T.	T.			.04	T.	.16	.02		.05	.51	T.			.12	.01													2.04
Henderson	O	.24	.10			.14		.04	.12			.38	.83				.09	.11								.40					1.79
Hopkinsville	C	.48		.03			.05	T.	.16			.16	.21				.09	.11								.60					2.11
Lovelaceville	M.	1.10				.04						.40				.20	.16	.12		T.						.41					1.83
Mayfield	M.	.40	T.				.20	.18				.26	.36				.10									.60					2.00
Murray	T.	.08	.38			.05		.40				.38	.20	T.		T.	.10	.08		.02						.40					1.59
Owensboro	O	.04	T.	T.			.02		.04			.05	.00				.04	.10								.60					2.09
Owensboro, Dam 46	O	.25	T.	.08			.05		.14	T.		1.00	.04	T.			.01	.25								.40					1.97
Paducah	O	.40	T.	.03			.08		.05			.86	T.				.01	.25									.51					2.09
Paducah (near) *	O	.35					.32					.06	.68	.16			.04	.08		T.							.62					1.96
Princeton	G	.60		.05		.01		.15				.20	.29	.03			.17									.60					1.74
Rumsey, Lock No. 2	G	.50					.03		.14				.84	.02	T.		T.	.03		T.					T.	.52					2.20
Russellville	G	.50	.32	.91										.14			.05	.11									.42					1.58
Uniontown, Dam 49	O	.60	T.	.04	T.		.20		.08				.29	.02	T.		.05	.03								.56					2.03
																														1.87
Central Division																																
Addison, Dam 45	O	.12	T.	.03	T.		.03		.16			1.21	.09	.02		.01	.12									.63					2.48
Anchorage	O	.05	.02	T.			T.		.04			.53																			1.46
Bowling Green	G	.48	T.	.60			.02		.15			.03	.42	.02			.24								.05	.55					2.06
Brownsville, Lock No. 6	G	.37		.69			.02		.08				.23	.19	.06		.15	.06		T.					.05						2.89
Burnside	C	.07	T.	.35			.04		.04				.13	.05	.15		T.	.06		T.	T.					.54					1.49
Carrollton (Lock No. 1)	K.	.02	.04	.10									.81	.32			.08									.32					1.69
Cold Spring, Dam 36	O	T.	T.	.20	T.		.03	T.	T.	T.			.67	.63	.04		.02	.11				T.		.04	.11						1.88
Danville	K	.11	.01	.48			.11		.05	T.			.17	.17			.26	.04							.11	.45					2.80
Dix Dam, Burgin	K	.16		.45			.10					.15		.18			.10	.08							.20	.15					1.88
Earlsville			.25		.32			.19		.10			.17	.07	.11		.05	.19								.53					1.75
Eubank	C			.92			.20						.18	.23			.20										.40				1.85
Frankfort	K	.07		.15	T.		.07	T.	T.			.16	.29	.06		.06	.12				T.	T.		T.	.54					2.41
Franklin	G	.05	.39	.03	.35		.03		.08			.08	.22	.15			.15	.13	.02							.32					1.43
Gest, Lock No. 3	K	.03		.32			.01		.04			.32	.82	.05		.06	.05							.03		.56					2.08
Glasgow	G	1.00					.21					.08	.09																		1.81
Grant, Dam 33	O	.03		.10			.03		T.			.80	.40	.01		.10	.15				T.				.66					2.59
Greensburg	G	.25	.02				.06		.05			.42	.14			.14	.13								.12	.26					2.09
High Bridge, Lock No. 7	K		.12		.44		.05	T.	.05			.11	.24	.13		.03	.07								.27	.23					1.53
Lexington	O	T.	.12	T.	.17		T.	T.	T.	T.		.05	1.08	.04			.04	.13								.55					1.81
Lancaster	K		.12	.47			.12						.05	.13		.12	.19							T.	.52						2.15
Leitchfield	G	.35	T.	.41			.05		.15			.04	.34	.07			.12	.10							.37						1.87
Lexington ***	K	T.	.12	.35	.17		.03	.06	.06	T.	T.	.06	.42	.16		T.	.13	.14				T.			.47						2.68
Little Hickman, Lock No. 8	K		.15		.35			.15	.08				.05	.10	.15		.17	.07							.37						2.07
Lockport, Lock No. 2	K		.06	T.	.36			T.	.05	.10			.46	.42	T.		.08	.15								.43					1.70
Louisville ***	O	.16	T.	.13	.03		.01	T.	.05		T.	.31	.63	.02		T.	.24	T.								.72					2.28
Mammoth Cave	G	T.	.58	.05	.34			.02		.05			.05	.36			.16	.05		T.					.02	.60					2.10
St. John	S		.10		.54				T.			.06	.37	.10			.10	.12						T.	.48	.01					2.22
Salvisa, Lock No 6	K		.10	T.	.14			.10		.10			.10	.26	.10		.15	.10							.46						1.80
Shelbyville	S		.07	.02	.02			.07		.10	.12		.58	.07			.06	.34							T.	.64					2.08
Taylorsville	S		.10	T.	.16			.05	T.	T.		T.	.28	.30			.15	.05							.42	.20					2.07
Tyrone, Lock No. 5	K		.08	.02	.32			.06		.02		.10		.25			.16	.12							.40						1.33
Williamstown	L				.47			.05					.77	.18			.15	.18				.02			.80	.36					1.57
Woodbury, Lock No. 4	G		.42		.80			.02		.15			.27	.09	.03		.16	.01								.41					2.49
																														1.91
Eastern Division																																
Annville	C		.14		.22			.24		.08			.08	.10	.13		.06	.16									.48					1.63
Ashland	O				.29	.01	T.	.28	.01	.05			.10	.10	.19		.04	.08									.17					1.27
Berea	K		.20					.15	.01	.06			.19	.09				.10									.89					3.69
College Hill, Lock No. 11	K		.08		.18			.10					.15	.10	.18		.10	.10									.80					1.79
Cynthiana	L			T.	.20						T.	T.	.10	.15	T.			.10	.20								.62					1.40
Falmouth	L		.03	T.	.30			.08	T.	T.		T.	.26	.41	.05	T.	.04	.21				.02	T.				.51					2.01
Farmers	L				.24			.28		.07			.05	.10	.02		.10	.04									.31					1.22
Flemingsburg	L				.32			.15					.02	.19													.36					1.22
Ford, Lock No. 10	K		.09	T.	.31	T.		.10	T.	.04		T.	.16	.02	.03		.09	.08				T.	T.		.17						1.47
Greenup, Dam 30	O				.84	.02		.25		.07			.14	.12	.10		.04	.06								.20					1.01
Harlan	K				1.52			.31	.20				.12					.58	T.							.27					1.47
Hazard	K				.44	.16		.14				.09		.04											.53						3.06
Heidelberg, Lock No. 14	K		.06		.18			.25	.14	.10			.05	.05	.07		.09	.18	T.							.50					2.38
Jackson	K		.10		1.20				.20				T.	.50			T.	.31								.42					1.18
Jenkins	B																									.70					5.00
Louisa	B																														
Manchester	K																														
Maysville	O				.32	.04		.12	T.	.05			.18	.47	.10		.03	.07		T.					T.	.55					1.91
Middlesboro	C	.30		1.30			.10		.50					.11			.28				.10					.45					3.29
Mount Sterling	L	.05	.12		.38			.37		.13		T.		.22	T.	.06	.15	.25				T.			.10	.09					1.77
Oneonta Dam 35	O		T.	T.	.43	T.		.08	T.	T.		T.	.53	.68	.02		.03	.14				.01			.02	.47					2.36
Paintsville	B		.04		.33			.15		.17			.22	.21		.11	.26								.40						2.09
Pikeville	B		.10	.02	.44			.08	T.	T.	T.	T.	T.	.07	T.		.15	.26								.40						2.12
Pippapass	K		.07	.02	.53			.47		.09			.16	.41	.11		.12	.15								.49						2.22
Quicksand	K				.85			.25		.20				.20												.61						2.11
Ravenna, Lock No. 12	K		.18	T.	.28			.30	T.	T.			.08	.11	.24		.12	.18			T.					.36						1.75
Richmond	K				.69			.10					.50	.05			.20	.20								.50						1.58
Valley View, Lock No. 9	K		.02	.50	T.		.09		T.			.10	.10	.15		.10	.16							.25							1.45
Vanceburg, Dam No. 32	O				.34			.12		.10			.25	.50	.15		.03	.10								.42						1.76
Williamsburg	C																														
Willow, Lock No. 13	K	.10		.12			.20		.20			.08			.08	.10	.15									.40		.05				1.48

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

†Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

*Lone Oak

Daily Temperatures for February, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Mean
Western Division.	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Beaver Dam	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Maximum	30	31	41	41	25	36	40	48	43	26	26	33	48	48	28	28	28	22	22	29	39	43	60	69	72	68	56	56	57	40.8
Calhoun	Minimum	12	24	29	16	7	16	20	27	7	2	6	17	34	25	16	23	22	5	1	11	21	28	32	50	59	56	34	25	40	22.6
	Maximum	34	33	45	51	25	31	40	49	41	26	29	38	50	50	28	31	28	22	25	31	41	45	62	71	72	68	54	57	68	42.8
Earlington	Minimum	14	25	30	17	9	15	22	27	8	4	6	18	35	34	16	24	24	4	1	15	23	26	31	54	62	57	36	24	36	23.8
	Maximum	31	31	42	50	25	30	39	50	43	24	30	37	49	50	28	33	30	25	24	28	42	46	62	69	73	67	53	57	69	42.6
Greenville	Minimum	10	23	28	16	5	13	19	24	6	2	2	17	32	23	14	23	27	30	25	14	24	28	45	41	62	68	52	67	69	20.7
	Maximum	27	29	42	45	31	26	43	34	29	23	26	36	46	46	22	12	25	16	7	2	3	24	27	37	46	57	46	42	47	41.2
Henderson	Minimum	14	7	27	12	5	11	31	19	4	0	7	17	32	22	12	25	16	7	2	3	24	27	37	46	57	46	42	47	36	21.1
	Maximum	30	33	40	48	28	30	41	49	45	27	33	35	46	46	27	36	31	26	22	28	44	46	63	68	67	68	54	58	71	42.7
Hopkinsville	Minimum	17	25	30	17	9	16	20	25	9	5	7	23	34	26	16	24	23	7	1	14	23	24	30	46	58	53	35	25	32	22.8
	Maximum	31	29	41	40	24	71	40	38	35	22	33	35	49	50	23	30	29	18	25	31	41	46	61	67	73	66	51	57	68	42.1
Lovelaceville	Minimum	20	25	26	13	4	15	18	22	4	4	6	20	33	28	12	18	18	9	3	17	18	21	27	50	56	51	31	24	31	20.8
	Maximum	32	33	42	49	27	29	40	44	38	27	35	36	50	49	26	31	31	...	...	...	...	...	...	...	...	...	...	...	...	[a]41.5
Mayfield	Minimum	20	25	28	15	9	17	18	26	6	5	8	23	34	26	15	20	21	10	0	17	21	26	32	58	59	52	33	29	42	22.1
	Maximum	34	36	46	51	29	31	43	50	37	24	35	37	50	48	26	32	32	23	25	32	42	49	65	72	71	70	53	61	71	44.0
Murray	Minimum	20	25	31	16	9	17	22	19	8	6	5	17	37	24	15	22	23	12	6	15	25	19	25	51	57	52	35	22	31	21.9
	Maximum	27	28	40	30	29	30	42	48	29	27	31	40	50	41	30	29	28	22	18	29	40	42	60	67	70	68	56	54	63	40.4
Owensboro	Minimum	4	22	29	12	13	20	24	22	12	9	14	25	37	30	15	21	20	4	2	9	20	27	30	42	43	43	27	30	35	22.3
	Maximum	34	34	43	48	28	30	43	47	28	23	32	36	47	47	27	33	29	22	26	31	43	48	63	69	74	67	49	61	68	42.4
Princeton	Minimum	15	25	30	16	8	15	20	19	7	3	5	20	36	23	15	22	22	7	1	16	23	25	29	53	59	49	35	26	32	22.1
	Maximum	33	35	49	27	26	30	38	49	29	12	32	45	47	47	20	31	27	15	22	28	40	43	...	61	73	70	47	57	69	[b]39.9
Russellville§§	Minimum	1	24	27	24	7	8	18	21	8	4	5	10	22	46	17	21	23	6	3	8	19	21	25	41	57	59	37	23	28	20.1
Central Division.	Maximum	29	28	43	48	33	26	39	47	28	18	25	26	46	45	33	25	28	20	18	31	28	29	60	65	69	69	54	52	63	39.1
Anchorage	Minimum	6	22	26	15	6	10	19	22	1	3	1	13	33	26	18	22	18	9	10	3	11	22	27	49	58	54	22	19	31	18.1
	Maximum	32	36	48	47	32	32	40	48	45	20	33	40	48	47	34	37	30	28	23	28	40	46	64	68	73	71	54	57	71	43.7
Bowling Green	Minimum	18	25	33	23	11	18	29	31	11	7	10	21	35	32	22	27	26	8	3	13	26	28	28	47	57	54	37	37	37	24.8
	Maximum	28	31	41	49	26	29	36	42	42	25	26	38	49	50	34	32	30	28	17	32	39	36	62	65	69	72	58	53	66	41.6
Danville	Minimum	6	22	29	21	9	14	17	17	7	8	7	14	35	31	24	24	24	8	2	2	24	23	28	43	59	54	33	23	43	21.9
	Maximum	30	33	42	48	28	30	38	48	46	25	27	39	50	50	36	33	30	30	29	25	40	41	60	64	68	71	58	56	68	42.9
Dix Dam	Minimum	2	23	31	22	10	15	20	24	8	8	7	15	37	34	25	25	25	4	3	5	25	24	27	45	58	56	38	24	31	22.7
	Maximum	30	32	43	45	30	33	36	44	31	30	29	33	51	52	43	35	30	25	33	35	41	41	60	65	70	68	68	66	68	43.2
Eubank	Minimum	6	19	31	21	7	15	18	15	12	9	5	29	32	30	21	18	9	4	4	7	26	26	23	39	56	58	56	54	56	25.4
	Maximum	28	30	40	39	29	28	37	48	46	19	27	40	49	49	34	32	30	30	22	32	38	40	60	65	71	70	58	62	68	41.6
Frankfort	Minimum	4	22	27	19	7	12	19	21	4	4	6	14	34	34	23	24	22	6	5	1	21	24	25	42	56	53	33	26	43	19.9
	Maximum	31	35	44	50	28	32	42	49	45	29	34	41	48	47	32	32	29	28	24	29	41	48	63	68	68	69	49	54	69	42.9
Franklin	Minimum	11	24	33	21	10	18	18	24	11	8	9	20	35	30	21	27	25	4	4	15	26	26	32	58	57	53	39	26	48	25.0
	Maximum	32	38	45	50	31	33	43	50	45	24	33	36	49	49	35	38	30	28	26	32	44	48	56	63	67	70	55	60	68	43.6
Glasgow	Minimum	3	24	32	18	9	17	14	24	9	7	5	21	35	30	24	27	26	3	1	13	26	26	26	49	60	52	37	23	35	23.5
	Maximum	30	37	45	51	28	33	39	44	26	13	31	40	45	49	35	34	31	30	25	30	41	46	63	66	72	65	57	57	67	42.7
Greensburg	Minimum	2	22	29	19	7	15	17	21	6	5	1	15	33	30	22	23	23	6	5	6	24	23	24	48	60	52	35	20	28	20.6
	Maximum	29	29	44	50	25	28	38	46	41	21	24	38	49	46	31	31	29	22	21	30	39	43	60	67	69	69	53	54	64	40.9
Irvington	Minimum	5	21	28	17	8	15	19	27	6	2	6	16	34	28	18	25	25	5	0	10	23	28	34	51	57	51	34	36	46	22.7
	Maximum	27	31	43	50	26	29	37	47	44	23	29	37	47	47	31	30	27	23	23	26	40	44	62	67	72	69	53	54	67	41.4
Leitchfield	Minimum	8	24	28	18	7	15	18	24	2	3	4	18	33	26	20	26	23	8	2	9	22	25	30	50	57	52	35	23	38	21.8
	Maximum	29	31	39	33	25	29	36	43	27	16	28	37	46	42	34	29	27	10	19	34	37	37	58	61	67	69	39	49	64	37.7
Lexington	Minimum	1	21	27	32	8	20	24	6	6	5	14	34	31	23	25	24	6	5	5	24	23	28	45	55	55	37	23	36	38.9	21.6
	Maximum	28	28	49	49	24	28	38	48	15	25	37	50	47	30	28	28	9	18	30	39	38	60	67	69	69	43	51	60	20.2	20.2
Louisville	Minimum	9	23	29	19	8	11	21	11	3	1	6	19	37	24	17	20	9	7	0	8	23	26	31	54	51	43	39	29	39	41.8
	Maximum	25	31	44	49	26	28	33	44	44	24	30	36	48	49	32	32	31	26	29	29	35	38	56	64	68	68	72	59	69	22.5
Mammoth Cave	Minimum	8	24	31	19	6	14	12	23	6	5	4	19	35	28	22	25	25	6	4	8	25	25	31	51	60	52	35	30	38	21.4
	Maximum	26	28	38	29	31	33	39	52	44	26	31	38	46	46	31	32	29	28	23	29	41	42	60	66	71	68	55	53	68	42.4
St. John	Minimum	3	20	26	11	7	11	19	23	4	4	3	15	33	30	20	25	22	11	8	4	20	24	29	50	57	52	35	23	51	19.9
	Maximum	29	30	40	46	25	26	37	46	43	20	25	37	46	45	37	30	28	25	21	33	36	41	59	64	69	67	54	52	62	40.3
Shelbyville	Minimum	2	21	25	18	7	11	19	23	2	3	3	15	32	31	20	22	22	11	6	1	20	24	24	44	59	54	32	24	34	19.6
	Maximum	29	31	41	47	23	29	37	46	42	20	25	38	47	47	33	30	29	22	17	30	37	39	58	66	69	71	...	...	...	[c]38.6
Taylorsville	Minimum	14	22	28	19	3	12	21	20	5	1	5	14	33	28	22	24	24	8	9	1	21	26	24	44	58	...	...	...	...	[c]17.2
	Maximum	26	28	40	46	28	26	41	46	42	25	27	38	45	49	34	31	30	27	21	37	31	34	60	61	68	68	56	54	58	40.8
Williamstown	Minimum	2	19	24	19	7	9	20	19	2	2	6	12	31	32	19	22	20	8	7	1	26	21	25	46	57	43	34	22	38	19.0
Eastern Division.	Maximum	25	28	39	50	29	30	35	48	43	29	25	36	43	55	44	36	30	28	20	34	35	35	59	65	71	75	72	49	65	42.6
Ashland	Minimum	3	21	27	25	14	12	13	9	15	13	12	12	34	36	27	20	26	5	1	6	24	22	25	33	51	43	42	24	29	21.9
	Maximum	21	33	24	24	28	30	31	44	29	20	12	15	37	39	51	52	54	43	36	34	34	29	31	50	64	66	71	72	55	43.4
Berea	Minimum	6	22	15	10	11	13	19	20	10	10	1	16	36	32	33	17	5	3	3	5	14	24	32	30	38	40	36	25	31	19.2
	Maximum	28	33	...	53	28	32	41	52	56	30	29	42	39	67	42	42	38	33	26	38	42	42	61	65	69	72	58	58	68	[a]46.1
Farmers	Minimum	14	19	...	21	8	6	20	7	9	8	0	6	22	35	25	23	24	14	3	11	5	24	22	42	61	62	73	67	66	[a]16.4
	Maximum	30	33	48	55	30	35	36	48	40	32	32	39	53	56	58	59	49	48	37	37	42	43	61	67	73	67	59	59	68	27.9
Harlan§§	Minimum	3	25	34	26	18	22	26	13	27	17	10	15	37	39	34	36	29	13	10	25	34	27	27	47	51	61	41	29	32	24.8
	Maximum	31	32	42	48	28	32	38	48	46	31	28	38	48	56	46	41	33	33	27	36	41	41	64	64	71	74	55	57	68	45.1
Heidelberg	Minimum	3	24	31	30	12	12	21	8	16	14	7	11	32	36	30	26	30	8	1	8	30	23	26	50	57	57	62	68	71	21.7
	Maximum	23	27	36	46	24	26	38	47	41	27	25	39	48	47	38	40	29	28	16	34	37	37	57	62	68	71	68	56	59	41.0
Maysville	Minimum	8	19	25	21	9	9	21	13	6	5	9	9	31	32	20	23	21	4	8	5	22	18	22	34	54	45	37	21	28	14.3
	Maximum	31	34	44	51	31	36	36	53	42	36	30	38	51	52	54	54	47	48	37	35	43	47	55	60	67	69	59	59	67	47.1
Middlesboro	Minimum	4	25	32	30	16	17	18	8	26	15	6	16	33	26	32	29	35	12	8	20	31	26	23	48	59	58	41	27	38	26.2
	Maximum	28	30	42	46	28	29	32	46	19	20	26	37	48	51	31	32	30	23	16	31	37	40	61	65	71	72	52	50	55	40.5
Mount Sterling	Minimum	2	20	26	17	7	10	20	16	9	9	5	12	35	30	24	25	23	5	7	2	24	21	25	41	57	51	33	21	31	20.0
	Maximum	30	37	46	54	32	34	36	51	45	31	29	40	44	63	52	44	43	41	30	39	40	37	63	67	73	76	68	58	67	47.1
Pikeville	Minimum	0	21	32	30	18	16	24	2	20	12	12	8	33	35	34	28	34	15	8	14	32	22	25	46	54	42	40	26	29	23.9
	Maximum	30	36	49	52	34	34	38	54	48	36	33	41	49	61	57	45	42	43	32	38	39	40	64	64	69	77	75	57	67	48.3
Pippapass	Minimum	4	24	31	31	16	14	22	2	27	15	10	10	32	30	32	27	32	12	7	15	31	29	33	63	64	70	75	55	67	23.2
	Maximum	31	35	46	55	30	30	43	50	43	29	30	40	51	58	46	43	35	37	27	39	43	40	63	64	70	75	57	46	55	[b]45.5
Quicksand	Minimum	3	22	29	4	11	12	20	4	12	11	7	9	31	35	29	29	29	6	1	9	28	19	21	28	40	30	21	26	...	[b]18.1
	Maximum	12	30	32	48	28	27	32	40	48	30	14	27	45	48	50	38	33	45	30	32	37	32	49	45	60	62	74	55	68	38.8
Richmond	Minimum	4	22	29	25	9	11	20	20	8	9	6	17	34	44	25	26	25	4	5	6	26	23	28	45	60	53	38	25	40	23.8
	Maximum	34	37	46	53	30	34	38	45	42	41	30	39	53	56	51	45	41	33	45	50	54	47	61	58	50	62	74	55	68	47.4
Williamsburg	Minimum	3	25	27	25	12	11	20	14	16	10	6	20	19	38	29	28	19	8	3	18	15	26	24	31	39	37	32	23	31	20.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

[a], [b], [c] indicate respectively 1, 2, 3 obs. days missing from record.

V. P. O. Louisville 1-25 26 1100

THE LIBRARY
OF THE
UNIVERSITY OF

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XLI LOUISVILLE, KY., MARCH, 1936 No. 3

GENERAL SUMMARY.

The month was warmer and drier than normal, with a generous amount of sunshine, consequently progress in plowing and early planting was better than usual. During the first two weeks the light precipitation scarcely interrupted farm activities. The dryness and moderate to high day temperatures provided ideal conditions at the proper time for sowing tobacco plant-beds. This weather also favored spring seeding on grain fields. Potato planting and preparation for early gardens advanced quite rapidly in the southern and western counties. During the last half of the month the weather was less favorable, because of frequent showers and considerable snow. Farm and garden activities that had commenced earlier proceeded intermittently, with soil often too wet. Progress was fairly good in the extreme western counties and generally poor in eastern districts, where rain and snow were heaviest.

Because of its dryness and the deep winter freezes, the soil worked remarkably well. Heavy rains that were inclined to cause packing occurred late in the month in the Green River Basin. A large amount of plowing was accomplished before the middle of the month, after which progress was mainly confined to some southwestern districts.

Short periods of subnormal temperature, with frequent freezes restrained growth during the first three weeks. The warm weather of the last decade caused grass and grains to show decided advancement. Some bluegrass on warm slopes became available for grazing.

Wheat, rye and barley grew from small size and apparent weakness to good size and condition. On account of sunshine and favorable temperatures, the improvement in winter grains was greater than their early appearance indicated as probable. Tobacco plants came up shortly after the middle of the month, and some in the southern counties had four leaves at its close. In the last week peaches, plums, and pears were blooming in the extreme west and south. There seemed to be practically no peach buds surviving in the northern districts.

TEMPERATURE.

Moderately low temperatures prevailed during the third week and on a few other days scattered through the month. Daily averages ranged from 8° to 15° above normal in periods of considerable length in the first half of the month and during the last week. Monthly mean temperatures ranged from 4.0° to 6.0° above the average for the month. The extremes were 81° at Murray on the 30th and 19° at Farmers on the 6th.

PRECIPITATION.

Precipitation averaged near normal, but was rather unevenly distributed. From 5.0 to 7.0 inches occurred in the south-central counties, including most of the Green River Valley and a belt across the southern bluegrass region. Similar amounts were recorded in some southeastern districts. In the northern and extreme western counties most stations reported from 3.0 to 4.5 inches. The range for the State was between 2.99 inches at Louisville and 7.79 inches at Russellville. The total snowfall varied from flurries in western districts to about 3.0 inches in the section immediately west of the mountains. The mountain region received from 6.0 to 16.0 inches, most of which fell on the 16th and 17th. The heaviest snow occurred in the valley of the Big Sandy and the extreme upper valleys of the Kentucky and Cumberland. Precipitation was light and scattered in the last two weeks. Heavy rain occurred from the 14th to 18th, and moderate to heavy rain in the periods 20th-21st, 23d-24th, and 26-27th. Days with thunderstorms were 1, 2, 15, 16, 23, 24, 26, 27, 30, 31.

MISCELLANEOUS.

Rivers:—The Ohio passed flood stage in the upper section on the 26th, and along its middle course on the 23d. It continued above flood levels until the end of the month. The crest at Cincinnati was 60.6 feet on the 28th and at Louisville 36.6 feet, upper gage, 65.6, lower gage, on the 28th. There was extensive overflow of bottom farm lands along the Ohio and the Green rivers with damage to crops by standing water and deposits of mud. Roads along the Ohio were overflowed in places.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.)					Wind.				Relative humidity				
	Mean.	Highest.	Date.	Lowest.	Date.	Av. hourly velocity.	Maximum velocity.	Direction.	Date.	7 a. m.	12 noon	7 p. m.	Percentage of sunshine.
Cairo .....Ill.	29.91	30.29	6	29.54	26	10.9	33	s	24	77	53	58	68
Cincinnati .....Ohio	29.86	30.30	6	29.51	20	9.5	29	n.	17	77	58	56	59
Evansville..... Ind.	29.91	30.30	6	29.32	20	10.6	34	n.	20	72	49	51	71
Louisville .....Ky.	29.92	30.32	6	29.38	20	12.6	46	n.	17	73	54	63	63

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Precipitation		Number of days			
	Mean.	Highest.	Lowest.	Average.	Average snowfall	Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	40.5	84	18	1.52	....	..	..	..	..
1890	41.2	78	4	8.34	....	..	..	..	..
1891	41.8	81	9	8.08	....	..	..	..	..
1892	40.6	82	7	4.08	....	..	..	..	..
1893	45.0	89	5	2.76	....	..	..	..	..
1894	50.8	86	10	2.72	....	..	..	..	..
1895	45.0	88	15	3.17	....	9	13	7	10
1896	41.1	80	8	6.16	....	12	9	9	13
1897	49.6	86	20	7.94	0.2	14	8	9	14
1898	50.7	84	16	7.59	1.0	13	8	9	14
1899	43.9	80	— 3	8.10	2.4	15	6	10	13
1900	42.8	81	— 3	2.58	3.9	9	11	8	12
1901	46.4	87	3	3.50	0.5	10	9	7	15
1902	47.2	82	7	4.44	0.1	11	10	9	12
1903	52.5	85	19	4.43	T.	12	9	7	15
1904	47.7	88	12	6.26	0.5	12	8	8	15
1905	52.2	86	22	4.45	T.	9	15	6	10
1906	39.2	75	3	6.37	2.0	16	6	5	20
1907	54.9	92	18	2.28	0.8	10	13	6	12
1908	51.8	88	19	5.42	0.7	13	10	7	14
1909	44.8	74	17	5.14	T.	11	11	7	13
1910	55.0	91	11	6.79	0.3	3	18	7	6
1911	46.0	87	7	2.57	0.6	9	14	5	12
1912	41.3	88	10	6.22	6.6	15	9	3	19
1913	46.5	85	9	7.22	0.5	10	12	7	12
1914	41.8	78	2	3.62	6.4	12	10	6	15
1915	37.8	65	11	2.11	3.8	8	12	5	14
1916	43.5	81	4	3.39	3.7	10	12	8	11
1917	45.9	84	9	6.52	8.1	14	13	6	12
1918	51.6	85	17	1.97	T.	8	15	7	9
1919	47.6	81	16	5.65	T.	9	15	6	10
1920	46.3	88	— 1	4.85	0.6	10	15	6	10
1921	56.7	87	19	5.75	T.	11	13	9	9
1922	49.4	83	19	8.11	0.5	14	9	6	16
1923	45.6	80	8	5.27	T.	9	15	7	9
1924	41.5	81	14	3.05	1.8	9	9	5	17
1925	49.2	84	4	3.59	0.4	9	16	7	8
1926	40.2	84	4	2.80	2.3	11	12	6	13
1927	48.4	82	10	6.04	3.5	11	12	7	12
1928	45.6	85	12	2.94	2.7	8	12	8	11
1929	52.0	94	9	4.17	1.2	10	13	8	10
1930	44.5	76	9	2.17	1.2	9	15	7	9
1931	41.4	73	24	3.66	1.9	17	7	7	17
1932	41.2	80	4	4.95	1.3	10	11	8	12
1933	46.6	78	10	5.62	T.	11	7	12	12
1934	43.6	80	5	4.88	2.1	13	12	7	12
1935	51.6	86	20	9.56	0.8	14	9	8	14
1936	50.7	81	19	4.85	3.2	11	14	8	9
Period	46.3	94	— 3	4.73	1.8	11	12	7	12

Climatological Data for March, 1936.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Birmingham	Marshall										3.77		1.08		8					
Calhoun	McLean	437	32	°51.8	+ 3.4	74°	30	28°	18	40°	4.41	−0.16	1.03	T	10	8	21	2	nw.	W. A. Taylor.
Earlington	Hopkins	420	46	53.5	+ 6.1	80	30	26	6	39	6.03	+1.46	2.56	T.	9	15	8	8	n.	Brick Southworth.
Fredonia	Crittenden	356	7								3.84		1.23	T.	13					Lockmaster.
Forts Ferry, Dam 50	Muhlenburg	519	19	°52.0	+ 4.7	80[b]	30	25[b]	6	41[b]	5.96	+1.57	2.20		8	14	16	1	s.	C. R. Lovell.
Greenville	Muhlenburg	382	22	50.8		80	30	26	7	43	5.16	−0.25	2.05		9	8	17	6	n.	Richard Stites
Henderson	Henderson	382	22	50.8		80	30	26	7	43	4.30	−0.57	1.26	1.5	11	16	6	9	se.	W. E. Graves.
Hopkinsville	Christian	524	40	52.8	+ 4.0	79	30	27	6	39	4.75		1.00		7	18	5	5	s.	Blaine Malone.
Lovelaceville	Ballard		7	53.1		77	26	28	5†	41	3.66	−0.37	0.92	T.	10	13	14	4	s.	Mrs. Joe Payne.
Mayfield	Graves	364	27	54.8	+ 5.1	79	30	29	18	41	3.44	−2.61	1.11	0.5	7	19	7	5	s.	Harry B. Arnold
Murray	Calloway	412	10	53.1	+ 4.5	81	30	25	6†	41	3.61	−0.66	1.10	T.	8	17	8	6	nw.	Henry S. Berry.
Owensboro	Daviess	479	39	50.6	+ 4.1	76	30	22	18	37	3.60		1.47	T.	11					Lockmaster.
Owensboro, Dam 46	Daviess	404	8								4.40	−0.11	1.21		11	14	8	9		C. J. Rhodes.
Paducah	McCracken	516	19																	J. W. Lilley
Paducah (near)§	McCracken	341	47																	Dr. W. L. Cash.
Princeton	Caldwell	529	29	52.6	+ 4.9	80	30	29	6†	40	4.37	+0.27	1.27	1.0	12	12	13	6	sw.	
Ramsey, Lock 2‡	McLean	384	19								4.22	−0.28	1.04	T.	11					Lockmaster.
Russellville	Logan	580	25	°50.6	+ 3.5	78°	30	25°	6	40°	7.79	+3.02	2.15		12	19	4	8	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	8								5.49		3.04		12					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	8								3.57		1.23		11					Lockmaster.
Anchorage	Jefferson	709	35	47.8	+ 3.4	79	30	20	6	44	3.24	−1.02	1.48	T	7	19	6	6	se.	C. E. Barret.
Bowling Green	Warren	590	47	53.6	+ 5.2	80	30	29	5	38	5.68	+0.58	2.90	T.	10	13	11	7	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 62	Edmonson	410	19								6.86	+0.63	2.62		11					Lockmaster.
Burnside	Pulaski	705	45								5.90	+0.69	1.50	T.	11					T. A. Lewis
Carrollton, Lock 1	Carroll	480	37								3.42	−0.40	1.02		9					Lockmaster.
Cold Spring, Dam 36	Campbell	489	10								3.40	−0.15	1.05	T.	13					Lockmaster.
Danville	Boyle	940	3	49.8		77	30	24	6	38	5.33	+1.42	1.76	1.0	11	6	7	16	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	8	52.0		78	30	26	6	37	4.59	+0.89	1.53		10	15	7	9	sw.	C. W. Williams.
Eadsville	Wayne	622									6.49		3.44		8					Lockmaster.
Eubank	Pulaski	1177	42	49.6	+ 3.9	78	30	21	6	41	4.12	−0.59	1.65	T.	6	16	6	9	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	44	49.8	+ 3.7	78	30	24	6	40	3.76	−0.62	0.52	T.	9	10	14	7	sw.	Lockmaster.
Franklin	Simpson	691	41																	Marcus Gatewood.
Frankfort	Henry	490	23								5.08	+0.59	1.05		13					Lockmaster.
Gest, Lock 3	Barren	780	10	51.5	+ 4.3	79	30	25	6	41	6.78		1.80	0	6	24	3	4	e.	P. L. Beatty.
Glasgow	Boone	780	11								3.41	+0.79	0.80		11					Lockmaster.
Grant, Dam 38	Green	583	43	50.6	+ 4.5	79	30	22	6†	43	6.93	+1.86	1.91	0	13	10	2	19	s.	Mrs. Bettie K. H. Alcorn
Greensburg	Jessamine	544	34								4.68	+0.38	1.34		11					Lockmaster.
High Bridge, Lock 7	Breckinridge	646	38	51.6	+ 4.3	76	30	27	6	37	3.07	+1.40	1.49	T.	9	15	7	9	sw.	W. J. Piggott
Irvington	Garrard	1032	10								5.62	+0.77	1.75		11					Walter Killion.
Lancaster	Grayson	635	40	51.4	− 4.8	76	30	25	6	37	4.41	−0.31	1.25		11	13	12	6	sw.	H. R. Willis.
Leitchfield	Fayette	989	52	48.0	+ 4.3	73	30	25	6	34	4.43	+0.11	1.70	2.1	10	13	4	14	s.	U. S. Weather Bureau
Lexington	Jessamine	560	25								4.57	+0.21	1.40		9					Lockmaster.
Littlefieldman, Lock 5	Henry	485	26								4.25	−0.15	0.65		8					Lockmaster.
Lockport, Lock 2	Jefferson	459	63	50.0	+ 4.6	77	30	22	6	35	2.95	−1.40	1.01	2.8	10	7	15	9	sw.	U. S. Weather Bureau
Louisville				51.5		78	29	33	6	41	6.21		1.79	T.	11	11	11	6	w.	Ivan J. Ellsworth.
Mammoth Cave	Edmonson			50.8	+ 3.9	75	30	25	6	44	3.13	−1.51	1.35	T.	9	20	4	7		Sisters of Loretto.
St. John	Hardin	777	40								4.12	−0.06	1.20		7					Lockmaster.
Salvisa, Lock 6	Mercer	520	22								3.64	−1.11	1.24		13	10	2	19	s.	Miss Ruthlatta,
Shelbyville	Shelby	825	47	48.7	+ 4.1	75	30	23	6	36	3.41	−1.11	0.95	T.	9	18	3	10		Elizabeth J. Bourne.
Taylorsville	Spencer	489	34	°48.6	+ 3.0	77[a]	30	25[a]	6	40[a]	3.83	+0.18	0.98		10					Lockmaster.
Tyrone, Lock 5	Anderson	524	18								3.89	−0.05	1.15	1.0	12	16	9	6	w.	Miss Nettie B. Simpson.
Wilmingstown	Grant	943	33	50.1	+ 6.4	78	30	21	6	39	5.18	+0.54	1.78	T.	12					Lockmaster.
Woodbury, Lock 4	Butler	504	19																	
Eastern Division.																				
Annville	Jackson		5								3.60		0.58	8.5	12	42	6	13	sw.	W. A. Worthington.
Ashland	Boyd	534	17	49.5	− 3.9	78	30	24	14	39	4.81	+0.70	1.70	10.0	11	15	6	10	w.	Lockmaster.
Berea	Madison	1050	31	°51.4	+ 4.8	75[a]	11	24[a]	6	40[a]	4.73	−0.28	2.00	3.0	11	14	9	8	w.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	26								4.53	−0.06	1.38	0.5	10					Lockmaster.
Cynthiana	Harrison	684	18								5.32	+1.29	0.86		10					P. B. Ecton.
Falmouth	Pendleton	600	47								3.88	−0.21	0.80		13					J. F. Oldham.
Farmers	Rowan	668	28	49.6	+ 4.6	81	30	19	6	46	5.62	+0.55	1.42		12	12	11	8	e.	Mrs. R. P. Stamper.
Flemingsburg	Fleming	841	11								4.26	+0.03	1.10		8					C. A. Glascock
Ford, Lock 10	Clark	657	29								3.68	−0.48	1.46		11					Lockmaster.
Greenup, Dam 30	Greenup	540	16								4.66	+0.47	1.66	10.0	11					Lockmaster.
Harlan	Harlan	1197	8	52.4		79	30	28	18	40	7.13		2.70	14.0	9	21	0	10		B. W. Whitfield.
Hazard	Perry	869	12								3.48	−0.72	1.13	12.0	7					Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	663	19	50.0		78	30	23	6	44	4.73	−0.02	1.48	7.0	14	11	9	11	sw.	Lockmaster.
Jackson	Breathitt										6.03		1.69	12.0	10					Jas. T. Goff.
Jenkins	Letcher	1506	12																	R. B. Davidson.
Louisa	Lawrence	584	22								4.80	+0.57	1.45		9					Lockmaster.
Manchester	Clay		16																	Leannett H. White.
Maysville	Mason	524	39	47.4	+ 3.1	78	30	22	7	39	3.93	−0.21	0.86	1.8	16	5	17	9	w.	Lockmaster.
Middlesboro	Bell	1128	40	°50.4	+ 2.8	74[b]	11	23[b]	3	39[b]	3.76	−1.48	1.85	6.0	5	12	16	3		Matthew Woodson
Mount Sterling	Montgomery	930	46	47.8	+ 4.0	80	30	22	6	40	5.71	+0.62	2.15	2.5	12	12	8	11	nw.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	9								3.68	−0.13	0.99	1.0	15					Lockmaster.
Owingsville	Bath	1035	2								4.71		1.34	8.0	15					Manuel Robinson.
Paintsville	Johnson	567	2								5.27	+0.89	1.72	13.0	16	7	10	14		U. S. Weather Bureau.
Pikeville	Pike	636	30	51.0		80	30	26	6	44	5.24		1.53	18.5	14	8	12	11		Caney Run Com. Cen.
Pippapass	Knott	1035	2	51.2		80	30	23	6	45	5.64		1.53	18.5	14	8	12	11		R. W. Jones.
Quicksand	Breathitt	732	10	°48.6	+ 3.4	79[a]	30	22[a]	6	46	6.01	+0.14	1.60	16.0	8					
Ravenna, Lock 12	Estill	631	18								5.03	+1.03	1.35		12					Lockmaster.
Richmond	Madison	926	45	49.6	+ 4.0	78	31	26	6†	48	5.76	+1.31	2.00		10	13	0	18		U. S. Crooke.
Valley View, Lock 9	Madison	571	23								4.83	+0.71	1.42	0.8						Lockmaster.
Vanceburg, Dam 32	Lewis	525	21								4.36	−0.28	1.23		13					Lockmaster.
Williamsburg	Whitley	929	29	52.2	+ 5.2	78	30	25	7†	41	5.15	+0.59	1.39		9	21	9	1		H. F. Davis.
Willow, Lock 13	Lee	646	17								4.69	+0.39	1.59	T.	12					Lockmaster.
State averages and extremes				50.7	+ 4.4	81	30	19	6	48	4.85	+0.12	3.03	3.2	11	14	8	9	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. ††Received too late to be included in means and summaries
¶Postoffice addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky; Lock 10, Red House Ky.; Oneonta, California, Ky.
T Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.

Daily Precipitation for March, 1936.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Birmingham	T.	.35							T.	.18		T	T			.57	.16			1.18	.65			.57	.32						
Calhoun	G.		.28							.48						.67	1.63			.78				.20	.49		.85					
Earlington	O.		.03							.48						1.04	.35			1.84				.20	.28		.22					
Fords Ferry Dam 50	O.		.03	T.					T.	.10	.03		.42				.09	.01		.50	.24			.02	.45	.11	.05	.15				
Greenville	G.		.10									T				.01	1.08			1.18				.02	.35		.42					
Henderson	O.									.20		.01		.04		T								.02	.35		.42					
Hopkinsville	C.		.26	T.						.03		T	T	T		12.1	.26	.05		1.20			.04	.02	.10		.42					
Lovelaceville	M.		.10							.25							.80			1.00				.02	.33		.20	.46		.03		
Maywood	M.		.15	T.						.14		T				.18	.74		T.	.90				.49	.09	.03	.22					
Murray	T.	T.		.24				T.				T.																				
Owensboro	O.							T.	.05	T.	T				.42	.67			1.11				T.			.12	.5				
Owensboro, Dam 46	O.		.10					.02	.06	T.	.01	T			T	.56			.61	.06	T		.20			.10			T		
Padueah	O.		.09						.14	T.	.01					.20	.16			.80	.05		T.	.28	.17	T	.10			T		
Paducah (near) *																																
Princeton	G.		.05						.08		.01	.01			.16	.50			.04	.50		T.	.40	.47		.25			T		
Rumsey, Lock No. 2	G.		.22						.08			T			.22	.80	.15			.42	.32			.35	.36	.14	.10					
Russellville	G.		.50	.08		.18					.01									.45	.10			.46	.55	.13	.53			.03		
Uniontown, Dam 49	O.			.02				.01	.38		.04				.02	.11	.01	T.		.45	.31			1.66	.04	T	3.45					
Central Division																																
Addison, Dam 45	O.		.16						.02	.16		T.			.05	.66	.32			.27	.07		T	.49	.14		1.20			T		
Anchorage	O.		T.												T	1.48	.10			.60				.24			.71	.60		.03	T	
Bowling Green	G.		.20		.05										.02	2.60	.48			.45	.65				1.20	.57						
Brownsville, Lock No. 6	G.		.08	.17											.02	1.05	.80			.35	.10			.18	.40	.14	.62					
Burnside	C.		T.	.40		.02									.03	T.				.26	1.50	1.03	.13	.35	.10		T.	.54	.55	.44	.55		
Carrollton (Lock No. 1)	K.		.11						.04			.03	T.		.26	1.50	1.03	.13		.35	.10		T.	.54	.55	.44	.55					
Cold Spring, Dam 38	O.		.13	.05					.03	T.		T.	.05		.02	.51	.42		.58	.58			.14			1.02					
Danville	K.	.05	.50									.01			.12	1.76	.61			.57	.09		T	.60		.41	.18					
Dix Dam, Burgin	K.		.15	.15												1.33	1.03			.25	.10		.41		.08		1.32		.04		
Eads ville	K.		.35			.24									.03	3.14		T.		.00	.15				1.29		.80					
Eubank	C.		.18			.16						T	T		T	1.05	1.15			.43				.36								
Frankfort	K.		.20	.08					T.	T.		T.	T.		T.	.96	.87			.31	.12		T.	.29	T.		.92			.04		
Franklin	G.															1.20				.64												
Grest, Lock No. 3	K.	.14	.14						.03	.17			.03		.30	1.05	.80			.70	.41			.47			.55					
Glasgow	G.		.28													1.20				.64				1.70		1.12	1.14					
Grant, Dam 39	O.		.10	.02					T.	.03			T.		.03	.58	.14			.20	.78		T	.35			.80			.25		
Greensburg	G.		.40			.51						.02			.03	1.91	.51			.21	.07		.01	.02		.98	.55			.55		
High Bridge, Lock No. 7	K.		.16	.17								T	.01			1.32	1.03	.04		.19	.12			.25	.05		1.24					
Irvington	O.		.23								.11	T.	T.			T.	1.49	.06			.20				.18	.12		.42	.18		T		
Lancaster	K.	.05	.21		.03										1.75	1.25			.25	.10			.63	.11		1.05			.18		
Leitchfield	G.		.20						T.			T.			.80	1.20	.25			.45	.03			.67	.45	.17	.52			.12		
Lexington ***	K.	T.	.47						T.		T.	T.			.33	1.60	.04	T.		.03	T.			.03	.23		.77	.24		T.	.62		
Little Hickman, Lock No. 8	K.		.20	.10												1.40	1.03			.35	.14				.90	.10		1.10				
Lockport, Lock No. 2	K.		.10					T.				T.	T.		.21	.95	.72			.67	.45				.18		.92					
Louisville ***	O.		.07					T.	.14			T			.51	.70	T.			.26		T.	.22	.12		.81	.00		.07	T.		
Mammoth Cave	G.		.26		.01					T.		T			.05	1.51	.30			.45	.01		.02	.68		1.75	1.13					
St. Joun	S.		.36					T.				1.35	.05							.20			.15	.20		.35	.36			.03		
Salvisa, Lock No 6	K.		.20	T.												.80	.98			.28	.08			.38	T.		1.36			T		
Shelbyville	S.		.13						.06			.02			.02	1.24	.35			.32	.05		.16	.12		.56	.56			.65		
Taylorsville	S.		.10					T.	T.			.80			T.	.80	.73			.27		T.	13	.12			.05			.01		
Tyrone, Lock No. 5	K.		.40	.05								T	.02			.85	.90			.40	.03			.15		.98			.05		
Williamstown	L.		.18					.10	.10				.12			1.15	.50			.73	.05		.12	.20		.41	.55					
Woodbury, Lock No. 4	G.		.12	.12						.03					.03	.77	.96			.29	.22			.15	.40	.36	1.73					
Eastern Division																																
Annville	C.	T.		.40		.12									.08		.13	.11	.17	.22	.21			.58	.38	.39	.21					
Ashland	O.		.62	.16									.13			.62	1.70	.52			.91		T.	.10	.32		.57			.04		
Berea	K.		.60			.06						.01				2.00	.36	.01		.89	.14			.65		.17	.31					
College Hill, Lock No. 11	K.		.15	.30												1.38	.51	.05	.04	.18	.16			.68	T.		1.05					
Cynthiana	L.		.35	.28				.65	.06			.05					.90				.70			.42			.96			.15		
Falmouth	L.		.12	.05					.08	.06		T.	.08	T.	.05	.80	.77	T.		.22	.58	T.	T.	.38			.59			.09		
Farmers	L.		.12	.44									.08			1.42	1.18	.13		.09	.22			.32	.04		.91			.07		
Flemingsburg	L.			.40								.05				1.10	.78	.42			.25			.50			.77					
Ford, Lock No. 10	K.		.05	.01								T.	.02			1.46	.80	.02	T	.31	.24			.45	.45		.57	T.				
Greenup, Dam 30	O.		.02	.33									.13			.63	1.65	.19	.03		.36		T.	.20	.30		.69	T.		T.		
Harlan	C.		.16		.30			T.				.11				2.70	.16	.33	T.				T	1.87		.71	.49					
Hazard	K.			.27								.08				.53	.67				.20				1.13		.60					
Heidelberg, Lock No. 14	K.	.06	.01	.33		.07							.03			1.15	1.43	.18	.03	.12	.19			.25	.43		.45					
Jackson	K.		T.	.53											T.	1.35	1.40	.40		.70	.12			.70	.26	.12	.25					
Jenkins	B.																															
Louisa	B.			.48												1.05	1.43			.48	.20			.07	.60		.42			.05		
Manchester	K.															.98																
Maysville	O.		.05	.29					.04	T			.07		.19	.84	.86	.03	.03	.01	.48		T.	.28	.15		.38	.03		.05		
Middlesboro	C.		.11													.98							.07	1.83		.40					
Mount Sterling	L.		.41									T.	.66			2.15	.38	.20		.18	.05		.07	.06		1.72	.37			.06		
Oneonta Dam 35	O.		.15	.02					.02	T.		T.	.04		.04	.71	.51	.05	T.	.05	.55		.01	.30	.05		.40			.06		
Paintsville	B.		.43										.05			.43	.34	.50		.65	.42			.27	.54		.25			.16		
Pikeville	B.	T.	.18		.03			T				.01	.01		.01	.70	1.72	.50	.10	.06	.24		.02	1.14	.01	.32	T.					
Pippapass	K.	.09	.12		.10							.06	.01		.03	.73	1.53	.60		.11	.04		T.	1.42		.30	.10			.02		
Quicksand	K.	T.											T		.90	1.10		1.00		.80				.80	.20		.22			.29		
Ravenna, Lock No. 12	K.		.12	.33	.07							T.	T.			1.03	1.35	.18	.17	.20	.20	T.		.48	.17	T.	.24					
Richmond	K.		.30	.20												2.00	.60	.30		.30	.10			.50	.10		1.00					
Valley View, Lock No. 9	K.		.18	.14									T.			1.42	1.00	.10		.35	.10		.50	.00		.95					
Vanceburg, Dam No. 32	O.			.38								.02	.06		.09	.65	1.23	.08		.37			.25	.15		.94	.03			.16		
Williamsburg	C.				.18	.42				.04		T.				.80	1.68	.07							1.47	1.59	.81					
Willow, Lock No. 13	K.		.08	.34	.03								T.	T.		1.25	1.50	.15	.05	.26	.12			.36	.15		.40					

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

† Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

§ Lone Oak

Daily Temperatures for March, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	69	70	70	62	59	65	65	57	44	51	61	61	52	59	65	69	69	63	63	64	71	74	72	°62.4
Calhoun	Maximum	57	56	65	..	..	..	..	..	29	38	44	34	32	52	56	39	31	28	35	33	34	37	56	58	47	49	45	36	52	56	37	°41.2
	Minimum	36	43	34	..	..	..	..	..	69	70	70	62	59	65	65	57	44	51	61	61	52	59	65	69	69	63	63	64	71	74	72	°65.6
Earlington	Maximum	60	61	70	67	57	50	70	73	66	74	68	54	63	70	68	54	46	53	64	65	63	55	62	72	74	71	67	70	70	75	80	°65.3
	Minimum	38	42	33	51	32	26	32	46	47	35	42	35	34	55	56	38	32	30	33	33	33	35	59	58	42	51	47	33	54	59	37	°41.4
Greenville	Maximum	60	60	71	69	57	50	69	73	..	72	66	..	62	71	66	54	46	54	65	69	66	60	72	72	72	70	68	69	74	80	76	°65.3
	Minimum	36	45	31	45	29	25	30	45	..	33	39	..	29	51	52	34	30	27	30	30	28	31	51	55	43	49	46	31	50	56	39	°38.6
Henderson	Maximum	63	62	70	71	56	55	71	69	72	77	60	63	68	73	66	51	51	57	70	61	69	66	71	74	68	74	68	73	76	81	72	°67.1
	Minimum	33	32	41	47	29	31	26	46	45	42	45	32	42	31	38	28	23	28	35	33	34	38	48	54	44	42	34	47	49	50	33	°38.6
Hopkinsville	Maximum	63	59	69	69	59	58	67	74	69	75	59	55	64	71	66	53	49	56	66	64	59	60	68	73	72	75	74	71	75	79	75	°65.8
	Minimum	38	46	33	40	32	27	31	41	40	40	41	35	31	51	53	37	31	28	34	31	28	36	53	55	47	52	48	31	47	56	36	°39.8
Lovelaceville	Maximum	63	62	70	64	56	53	67	71	70	74	71	54	66	70	70	60	51	60	66	66	69	64	75	72	66	77	71	69	73	75	71	°66.5
	Minimum	33	42	29	44	28	28	30	42	47	38	41	38	29	56	50	40	31	28	38	31	30	38	56	55	40	49	44	31	52	56	33	°39.7
Mayfield	Maximum	65	63	68	73	57	55	67	73	69	74	73	70	66	72	73	62	57	58	67	60	61	66	72	74	70	72	71	69	73	79	76	°67.8
	Minimum	36	47	38	46	31	34	35	46	48	42	35	..	30	57	52	38	31	29	37	32	35	41	57	55	45	52	46	36	53	52	36	°41.8
Murray	Maximum	65	62	70	71	56	55	71	69	72	77	60	63	68	73	66	51	51	57	70	61	69	66	71	74	68	74	68	73	76	81	72	°67.1
	Minimum	35	42	30	37	32	25	27	48	39	33	40	37	29	53	50	38	32	27	37	33	28	34	54	55	43	53	47	30	51	55	37	°39.1
Owensboro	Maximum	57	57	67	69	61	53	67	70	67	73	67	45	60	69	63	60	45	54	66	62	54	59	72	72	67	68	67	67	73	76	59	°63.4
	Minimum	34	41	31	41	29	29	30	44	45	36	43	32	32	47	43	40	30	22	21	32	29	34	45	52	37	45	39	33	41	51	33	°37.7
Princeton	Maximum	56	62	71	66	57	53	70	72	69	76	61	52	66	73	66	54	50	56	67	68	60	59	68	73	72	76	65	60	76	80	74	°65.2
	Minimum	38	45	32	46	31	29	31	39	47	37	43	35	30	54	54	39	31	29	37	33	29	34	54	56	46	53	47	32	50	49	34	°39.9
Russellville§§	Maximum	60	59	70	72	53	53	68	71	66	77	63	51	63	..	..	..	..	..	70	64	65	65	58	67	69	72	65	64	75	78	55	°63.6
	Minimum	38	40	34	37	33	25	30	34	40	38	41	32	30	46	..	..	..	..	28	31	32	25	32	53	56	46	49	30	33	42	51	37	°37.6
Central Division.																																	
Anchorage	Maximum	54	59	68	69	58	47	61	72	69	71	69	66	58	66	66	52	45	52	58	60	56	58	70	..	58	60	59	67	73	79	65	°61.9
	Minimum	28	35	24	40	25	20	21	35	39	34	35	25	26	43	43	32	32	26	35	33	34	45	58	48	38	42	43	45	55	60	48	°33.8
Bowling Green	Maximum	64	60	72	59	67	55	68	75	69	79	67	56	64	76	68	60	50	56	65	58	58	60	72	74	68	72	70	72	76	80	72	°66.7
	Minimum	40	42	35	37	29	31	40	49	46	43	40	36	32	51	58	38	33	30	33	35	33	34	45	58	48	48	50	35	38	53	39	°40.4
Danville	Maximum	54	56	66	71	62	46	64	72	64	74	72	46	65	67	71	58	42	45	63	57	54	57	68	69	66	68	65	69	73	77	72	°62.1
	Minimum	30	41	29	47	34	24	28	40	46	36	39	39	32	45	42	31	26	29	29	36	32	27	50	52	45	47	46	31	42	47	37	°37.4
Dix Dam	Maximum	52	58	66	72	70	51	64	72	65	72	72	62	61	67	67	63	44	46	64	62	55	61	67	67	67	68	68	68	76	78	76	°64.2
	Minimum	36	44	32	47	35	26	28	38	46	45	39	33	33	42	41	43	34	28	29	36	32	27	50	52	45	47	46	33	44	49	39	°39.8
Eubank	Maximum	63	65	62	72	68	62	65	71	65	75	72	56	59	61	70	60	53	58	60	65	55	63	65	66	61	63	64	69	76	78	76	°64.5
	Minimum	30	31	28	41	32	21	35	32	32	37	31	24	26	34	39	37	27	31	39	23	27	27	30	33	30	40	43	48	36	51	46	°34.8
Frankfort	Maximum	53	60	67	72	55	48	65	73	65	71	72	46	65	70	68	59	47	50	65	59	57	60	69	71	67	69	65	69	73	74	74	°63.4
	Minimum	28	40	28	40	32	24	25	33	47	31	37	31	30	34	45	40	33	27	26	36	31	27	55	51	42	49	46	31	41	45	37	°36.2
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Glasgow	Maximum	65	60	71	75	64	55	70	62	60	76	71	51	55	60	59	48	54	48	67	50	58	65	69	75	72	68	66	74	70	79	73	64.2
	Minimum	40	38	32	43	37	25	28	39	40	37	43	34	30	45	38	36	28	26	35	27	31	35	54	48	50	48	50	42	45	58	38	38.8
Greensburg	Maximum	61	59	69	73	68	53	67	73	68	74	71	50	60	70	69	53	47	54	67	58	52	61	70	72	68	67	67	71	73	79	73	65.2
	Minimum	34	40	28	40	35	22	24	31	44	30	35	32	31	41	31	28	21	26	22	35	28	26	54	49	36	47	48	30	45	50	36	°36.0
Irvington	Maximum	56	58	68	61	56	47	60	70	68	71	66	49	57	66	65	53	49	53	64	59	54	62	70	70	68	67	66	68	73	76	73	62.4
	Minimum	32	44	33	47	33	27	35	48	48	39	46	33	32	54	53	35	33	29	29	35	34	28	55	50	45	48	45	35	50	55	36	40.7
Leitchfield	Maximum	57	59	70	71	56	49	66	72	68	72	68	48	66	69	68	54	47	52	64	58	56	60	69	72	65	65	65	67	72	76	71	62.9
	Minimum	35	45	33	44	33	26	35	45	45	39	45	35	30	53	52	34	32	27	28	33	32	34	54	48	46	48	46	34	47	55	36	40.0
Lexington	Maximum	53	53	63	68	50	44	62	68	66	72	70	42	54	63	63	43	43	48	61	47	47	51	61	67	64	60	60	62	69	73	72	58.7
	Minimum	27	41	29	44	32	25	30	42	46	40	44	32	29	42	43	28	30	26	29	33	29	26	53	51	45	48	48	35	53	44	46	37	37.2
Louisville	Maximum	52	58	68	66	49	44	65	70	63	70	64	44	54	66	66	46	46	53	65	52	61	61	70	69	63	67	67	67	73	77	76	60.5
	Minimum	36	36	33	41	32	22	36	49	47	40	40	33	30	52	43	34	31	29	35	34	36	38	56	57	47	47	43	38	53	44	34	39.4
Mammoth Cave	Maximum	59	58	70	72	60	52	66	73	66	74	67	51	61	69	66	56	48	54	65	57	57	60	70	72	66	71	67	69	72	78	71	61.4
	Minimum	36	44	30	48	34	23	29	42	46	35	42	38	31	52	55	35	33	28	34	33	30	30	56	55	45	48	47	30	49	56	37	39.2
Mt. John	Maximum	63	60	69	71	59	50	70	71	63	72	68	49	64	69	65	55	51	55	65	59	59	57	70	68	60	65	67	72	75	78	73	63.8
	Minimum	34	40	30	45	32	25	29	38	46	38	40	33	29	47	50	32	32	28	26	33	28	30	52	52	42	47	46	30	46	51	36	37.7
Shelbyville	Maximum	58	59	65	68	60	43	64	69	62	69	70	45	55	62	64	59	44	48	63	58	55	57	67	67	65	67	65	68	73	77	75	61.0
	Minimum	27	42	28	41	30	22	29	41	41	37	43	28	25	41	41	30	32	26	27	34	29	30	53	56	42	46	46	32	53	52	36	°38.4
Taylorsville	Maximum	54	59	66	69	51	45	64	71	59	70	..	46	55	67	66	57	46	50	62	54	50	52	70	70	64	68	64	67	73	77	76	°61.1
	Minimum	30	42	29	42	32	25	26	35	45	30	..	33	31	37	38	31	34	28	25	34	30	28	52	52	42	48	41	29	39	45	26	°36.2
Williamstown	Maximum	53	59	68	69	56	45	64	70	64	73	72	57	59	68	64	43	44	61	59	54	57	70	72	69	61	63	68	73	78	73	73	63.1
	Minimum	25	37	30	43	28	21	28	43	45	34	45	30	25	34	48	39	31	26	27	36	29	31	45	54	44	40	48	31	47	54	35	37.1
Eastern Division.																																	
Ashland	Maximum	55	50	62	75	72	60	58	71	69	70	72	45	46	72	75	68	46	46	66	53	51	54	56	70	72	67	66	71	68	71	78	62.7
	Minimum	27	55	31	49	38	27	27	32	46	37	36	35	28	24	40	41	30	29	34	34	34	31	43	47	44	44	40	26	39	46	40	36.3
Berea	Maximum	57	59	65	69	69	57	60	76	64	73	75	..	70	71	71	60	45	46	56	56	56	65	69	76	70	65	60	69	73	72	74	°64.8
	Minimum	32	33	32	35	36	24	31	44	50	38	48	..	39	50	46	42	29	25	30	36	32	30	56	48	47	52	51	34	34	51	38	°38.5
Farmers	Maximum	60	58	69	75	71	56	64	72	73	74	73	52	51	66	75	69	48	45	58	58	52	57	73	71	69	73	71	69	77	81	78	65.7
	Minimum	27	36	23	37	34	19	22	26	46	30	38	27	26	36	41	28	26	26	26	23	25	23	45	41	41	48	48	27	41	48	33	33.5
Harlan§§	Maximum	63	59	65	70	61	59	67	72	68	71	74	64	66	67	73	64	56	55	59	48	51	63	64	62	48	62	64	71	76	79	69	64.4
	Minimum	31	39	31	34	33	28	45	32	31	32	40	40	37	35	33	37	35	28	34	38	33	31	37	45	50	48	48	39	40	39	47	40.4
Heidelberg	Maximum	57	52	65	71	68	51	64	72	67	72	73	64	57	64	72	68	44	46	60	50	54	62	72	66	67	72	66	70	78	78	75	63.8
	Minimum	35	39	31	34	43	23	25	28	40	34	40	33	35	31	38	34	31	30	30	36	31	27	45	50	45	47	51	31	42	39	44	36.2
Maysville	Maximum	49	56	63	64	64	49	45	59	68	64	68	68	48	62	66	63	42	48	62	56	55	59	66	69	70	68	67	69	73	77	76	°60.4
	Minimum	27	34	30	40	31	23	22	29	42	29	37	29	26	29	46	36	29	29	29	26	31	26	38	41	41	41	49	32	37	46	38	34.3
Middlesboro	Maximum	59	59	62	72	..	..	63	66	66	66	74	68	58	65	68	57	58	57	57	54	59	60	64	65	59	69	70	73	78	80	77	°65.7
	Minimum	33	39	23	33	..	..	26	28	34	37	41	34	37	36	34	32	36	28	27	30	33	27	47	50	46	52	55	35	55	52	47	°38.1
Mount Sterling	Maximum	60	60	70	71	54	42	64	73	64	74	70	43	44	66	74	56	46	50	58	42	45	52	62	75	66	64	67	68	75	80	80	63.1
	Minimum	24	39	29	40	32	22	27	33	47	37	43	29	29	39	47	37	32	27	27	28	33	30	42	52	45	42	40	31	43	50	37	°36.4
Pikeville	Maximum	58	58	66	75	62	53	62	72	72	69	76	65	55	71	77	67	54	55	57	51	52	62	70	62	70	62	72	70	76	80	76	64.6
	Minimum	40	37	33	35	42	26	28	40	39	35	37	33	32	38	43	38	31	28	32	31	30	41	49	46	46	45	46	34	40	50	37	°37.5
Pineapass	Maximum	67	60	66	72	72	60	63	73	71	72	72	72	57	68	75	72	56	53	55	55	52	64	67	70	67	70	69	75	80	75	66.1
	Minimum	37	36	32	38	41	24	27	29	41	35	46	31	31	35	37	43	29	27	29	30	31	28	43	48	46	41	52	34	38	40	45	°35.7
Quicksand	Maximum	61	54	65	72	59	53	64	72	64	74	72	63	56	67	77	68	45	55	56	42	54	63	72	68	70	64	71	75	..	79	71	°63.6
	Minimum	32	36	29	35	41	22	24	26	35	34	39	31	31	28	35	41	29	26	24	31	30	25	35	40	42	45	52	36	..	37	42	°33.6
Richmond	Maximum	62	56	66	71	56	48	66	74	66	74	72	46	62	70	73	60	44	48	60	46	50	52	62	72	67	65	68	65	73	78	73	59.4
	Minimum	29	35	26	36	34	24	26	33	44	34	40	31	30	41	44	40	40	40	40	40	40	40	52	52	42	47	45	38	45	50	39	°36.6
Williamsburg	Maximum	63	58	65	70	71	56	63	71	66	74	73	73	66	69	67	66	62	58	60	64	69	70	64	69	70	72	69	67	72	72	78	66.7
	Minimum	35	37	33	40	43	28	25	33	49	35	35	32	35	36	42	37	30	26	26	34	42	39	28	46	38	45	48	36	40	45	46	37.8

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
* 1st, etc., indicate respectively 1, 2, 3 etc., days missing from record.
W B O Louisville 4 25 36 110°

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

LIBRARY OF THE
APR 2 1936
UNIVERSITY OF ILLINOIS

13 KENTUCKY SECTION

J. L. KENDALL.

VOL. XLI LOUISVILLE, KY., APRIL, 1936 NO. 4

GENERAL SUMMARY.

The month was unseasonably cold, with much wind and less than normal sunshine. It was only slightly warmer than March preceding, and but little more favorable for growth. Most vegetation developed with exceeding slowness, and at the end of the month was far behind the seasonal stage. Heavy and frequent precipitation in ths first decade prevented field work. Strong winds and more generous sunshine in the two weeks that followed dried the ground rapidly and permitted the delayed potato planting and oats sowing to be completed. Except for some cool weather vegetables, gardening was held in abeyance until the last week, because the temperature continued too low for most seeds to germinate. The last killing frost occurred in most districts on the 23d.

Although much land was prepared for corn in the last two weeks, the cool weather discouraged planting. Some corn was planted in the warmer upland soils of the southern and western counties late in the third week, but progress with this work was slow until the warm days near the end of the month brought more favorable conditions for germination,

Some tobacco plants were up in the southern counties at the beginning of the month, but they had not appeared in most beds in the central and northern districts. Plants kept coming up in straggling fashion during the first three weeks. The latest had only four leaves at the end of the month, while those in some favored beds near the south border were almost normal size. As a rule they averaged about two weeks late.

Wheat, rye, and barley made fairly good progress on the warm uplands and slow growth on the colder soils. Wheat reached the jointing stage in the last week, but apparently was not injured by the latest freezes. Pastures developed irregularly and were very slow in providing sufficient grazing. The persistent low temperature accentuated the differences in growth on the warm and cold types of soil. Flood water drained off the western lowlands in the last week, but none of the overflowed ground could be worked. Late in the month it became evident that about one-third of the peach buds had survived in the extreme western counties, but prospects diminished eastward to practically nothing in central districts.

TEMPERATURE.

Daily mean temperatures during the first decade averaged about 10° below normal, with minima frequently below freezing. Cold weather equally abnormal also occurred in the periods 16-19th and 21st-24th. A few days near the middle and at the end had temperatures above the seasonal average. Extremes for the State were 19° at Anchorage on the 8th and 90° at Mayfield and Quicksand on the 15th.

PRECIPITATION.

Precipitation averaged considerably above normal and was well distributed over the State. In a few extreme northern counties monthly amounts ranged between 3.6 and 4.0 inches. Most other parts of the State received from 4.0 to 5.0 inches. In a small area north of the lower Green and another in the upper Licking Valley more than 6.0 inches occurred. Rain in measurable amounts was reported daily in the period 1st-12th. The rainfall was heavy locally on the 5th, 6th, and 7th. Light to moderate showers of a local character occurred in the periods 11th, 21st-22d, and 28th-30th. Snow (flurries) were reported generally on the 2d and 3d, and a few stations in the mountain region received 1 inch or more. The precipitation extremes were 5.2 inches at Owensboro and 7.78 inches at Mt. Sterling. Days with thunderstorms were 1, 5, 21, 1, and 2.

MISCELLANEOUS.

April 1.—Damage by wind in Hopkins County was estimated at $15,000. Barns and small buildings were unroofed or blown down and trees were uprooted in the section between Hopkins and La Rue County. Hail at Madisonville caused some windows and greenhouses.

April 5.—Hail and heavy rain, driven by a high wind, damaged the fruit crop, windows, auto tops, and tobacco plantbeds in Henderson County. The loss from hail was estimated at $25,000. Some buildings were unroofed and trees uprooted in Jefferson County.

Rivers.—The River subsided slowly from its high stage during the first 9 days to stages below flood levels in the section above Dam 44. Heavy rains on the 4th caused another rise that brought crests somewhat above flood stage in the upper and middle sections, and increased the flood in the lower river. It continued to flood stage on the 12th in the Cincinnati district, on the 13th at Louisville, on the 22d at Evansville and on the 28th at Cairo. Lowlands along the lower Ohio and the lower Green had been flooded for four to five weeks when the water finally drained away near the end of April.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum Velocity.	Direction.	Date	Relative humidity 7 a. m.	2 p. m.	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.65	30.47	8	29.42	5	10.3	30	n.	21	77	58	61	62
Cincinnati .....Ohio	30.06	30.54	8	29.45	6	9.0	39	w.	7	73	58	61	54
Evansville..... Ind.	30.06	30.52	8	29.49	5	10.2	40	s	5	69	51	54	65
Louisville .....Ky.	30.08	30.56	8	29.49	1	12.0	35	nw.	16	68	62	59	51

COMPARATIVE DATA FOR APRIL.

Year	Temperature. Mean.	Highest.	Lowest	Precipitation Average.	Average snowfall	Precipitation .01 inch or more.	Number of days Clear.	Partly cloudy.	Cloudy.
1889	57.0	89	24	1.61	....	..	..	..	..
1890	57.0	92	28	4.04	....	..	..	..	..
1891	58.0	92	24	2.52	....	..	..	..	..
1892	56.0	88	22	7.12	....	..	..	..	..
1893	58.0	94	21	6.99	....	..	..	..	..
1894	56.0	94	28	3.54	....	..	..	..	..
1895	57.2	94	22	3.18	....	9	13	8	5
1896	63.6	96	24	1.65	T.	6	13	12	9
1897	55.5	90	25	6.03	T.	11	11	9	10
1898	52.4	86	19	3.38	1.1	9	12	8	10
1899	57.2	96	20	3.16	0.3	9	13	8	9
1900	56.2	90	15	2.15	T.	8	14	8	8
1901	50.9	91	23	4.01	2.6	10	11	5	14
1902	54.2	93	22	2.65	0.1	9	14	9	7
1903	55.4	90	22	4.43	T.	12	10	7	13
1904	50.8	85	16	2.83	1.7	11	10	7	13
1905	56.7	91	23	3.00	0.2	9	12	8	10
1906	59.5	94	23	1.50	0.0	6	17	7	6
1907	48.2	87	19	2.78	0.2	11	10	5	15
1908	59.8	89	23	6.56	0.8	14	12	6	12
1909	56.1	96	21	5.98	T.	10	14	7	9
1910	55.4	88	23	5.14	0.7	14	12	6	12
1911	58.8	90	20	7.66	T.	14	11	5	14
1912	58.4	87	25	7.90	T.	12	11	7	12
1913	55.3	89	27	2.73	T.	10	14	5	11
1914	55.7	91	13	3.62	T.	10	11	8	11
1915	60.1	96	17	0.96	0.0	5	17	8	5
1916	54.0	89	23	2.64	1.4	9	11	8	11
1917	55.8	90	19	5.02	0.5	8	14	7	9
1918	53.9	87	25	4.07	0.3	12	8	8	14
1919	56.7	89	19	3.51	0.0	10	13	7	10
1920	50.8	89	22	6.16	0.2	13	9	8	13
1921	58.2	90	22	4.09	T.	10	15	7	8
1922	59.5	88	25	4.25	0.0	10	14	8	8
1923	54.8	90	13	4.88	0.0	9	13	6	9
1924	57.4	93	19	3.41	0.1	10	13	7	10
1925	51.2	88	23	3.16	0.0	10	14	7	9
1926	51.6	87	16	3.17	T.	10	13	7	10
1927	58.7	92	22	6.39	T.	13	10	8	12
1928	52.3	83	21	4.20	0.6	11	11	8	11
1929	60.1	90	23	3.57	0.0	10	14	8	8
1930	58.9	94	21	1.31	0.0	6	16	8	6
1931	55.9	89	25	4.52	0.1	8	15	6	9
1932	56.4	86	25	2.88	T.	10	13	6	11
1933	55.7	87	27	4.74	0.0	13	14	7	9
1934	56.9	90	21	2.16	T.	8	13	10	7
1935	55.3	82	23	4.42	T.	12	13	6	11
1936	53.1	89	13	4.59	0.1	11	11	8	11
Period	57.1	98	13	3.97	0.2	10	13	7	10

Climatological Data for April, 1936.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Birmingham	Marshall										4.28		1.90	0	7				sw.	Tennessee Valley Authority.
Calhoun	McLean	437	32	53.2	−5.2	79	15†	27	3†	40	4.74	+0.51	1.21	T.	10	6	17	7	sw.	W. A. Taylor.
Earlington	Hopkins	420	46	55.4	−2.4	86	15	26	3†	40	6.35	+2.25	2.20	0	10	15	6	9	n.	Brick Southworth.
Eddyville	Crittenden	356	7								4.96		2.15	0	11					Lockmaster.
Fords Ferry, Dam 50		519	19	*52.0	−5.3	82a	20	22a	3	42a	6.45	+2.09	2.00	0	13	12	15	3	s.	C. R. Lovell.
Greenville	Muhlenburg	382	22	52.7		83	14†	24	3	40	5.45	+1.95	3.54	0	5	16	5	9	e.	Richard Stites
Henderson	Henderson	524	40	53.9	−3.7	85	15	24	3	45	4.05	−0.26	1.05	T.	11	9	7	14	so.	W. R. Grates.
Hopkinsville	Christian		7	53.6		85	15	24	3	40	4.65		2.60	0	6	19	3	8	s.	Blaine Malone.
Lovelaceville	Ballard	364	27	53.4	−2.9	90	15	25	3	41	4.73	+0.47	2.40	T.	9	15	6	9	s.	Mrs. Joe Payne.
Mayfield	Graves	412	10	54.9	−2.6	87	14†	25	3	48	4.16	−0.55	0.98	T.	10	11	9	10	s.	Harry B. Arnold
Murray	Calloway	479	39	53.0	−2.7	84	15	24	3	52	4.35	+0.39	2.06	T.	10	13	4	13	s	Henry S. Berry.
Owensboro	Daviess	404	3								3.81		1.83	T.	10					Lockmaster.
Owensboro, Dam 46	Daviess	516	19																	C. J. Rhodes.
Paducah	McCracken	529	29	54.6	−3.6	86	14†	24	3	46	5.31	+0.93	1.40	T.	11	13	9	8	n.	Dr. W. L. Cash.
Princeton	Caldwell	384	19								4.37	+0.23	1.60	T.	10					Lockmaster.
Ramsey, Lock 2	McLean	590	25	52.7	−4.7	86	15	23	3	44	3.70	−0.90	1.05	0	10	13	7	10	s.	Wm. Shelton.
Russellville	Logan	357	8								3.52		1.51	0	12					Lockmaster.
Uniontown, Dam 49	Union																			
Central Division.																				
Addison, Dam 45	Breckinridge	352	8								4.60		1.62		13					Lockmaster.
Anchorage	Jefferson	700	35	50.0	−3.8	84	15†	19	8	46	4.70	+0.90	1.62	T.	9	13	6	11	w.	C. R. Barret.
Bowling Green	Warren	500	47	56.6	−1.9	88	15	26	3†	44	5.57	+1.23	1.65	0.3	10	12	8	10		Mrs. Lillie G Causey.
Brownsville, Lock 6	Edmonson	410	19								5.17	+0.81	1.25	0.0	12					Lockmaster.
Burnside	Pulaski	705	45								5.28	+1.08	2.00	2.0	13					T. A. Lewis
Carrollton, Lock 1	Carroll	480	37								4.22	+0.57	1.91		9					Lockmaster.
Cold Spring, Dam 36	Campbell	480	10								3.47	−0.19	1.87	T	9					Lockmaster.
Danville	Boyle	540	3	52.2		85	27	24	3†	42	4.94	+1.11	1.35	0.0	15	11	6	13	w.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	8	53.6	−3.2	85	15	24	8	39	5.53	+2.73	2.28	T.	9	6	8	16	sw.	C. W. Williams.
Eadsville	Wayne	622									4.65		2.00	T.	10					Lockmaster.
Eubank	Pulaski	1177	42																	Mrs. Katie Payne.
Frankfort	Franklin	560	44	51.8	−3.9	87	15	22	8	45	4.28	+0.62	1.57	0.5	15	9	8	13	w.	Lockmaster.
Franklin	Simpson	691	41	55.8	−3.5	88	15	26	8	42	3.94	−0.09	1.42	0.0	11	13	9	8	w.	Marcus Gatewood.
Gest, Lock 3	Henry	490	25								4.57	+0.83	1.73	0.3	12					Lockmaster.
Glasgow	Barren	780	10	53.4	−4.3	84	14†	24	3†	35	5.29	+1.00	1.88	0	8	20	4	6	w.	P. L. Beatty.
Grant, Dam 38	Boone	780	11								3.53	+0.19	1.69		9					Lockmaster.
Greensburg	Green	581	43	52.5	−3.0	85	15	20	8	49	4.13	+0.24	1.43	T.	10	4	5	21	w.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	544	34								7.27	+3.76	3.45	T.	15					Lockmaster.
Irvington	Breckinridge	646	38	53.3	−2.9	84	15	25	3†	40	3.83	−0.13	0.98	0	9	11	5	14	sw.	W. J. Piggott
Jamestown																				
Lancaster	Garrard	1032	10								4.37	+1.25	1.25	0	13					Walter Killion.
Leitchfield	Grayson	635	40	55.1	−2.8	86	15	24	3†	39	5.23	+0.87	1.30	T.	13	9	13	8	sw.	H. H. Willis.
Lexington	Fayette	989	52	50.2	−4.1	83	15	21	8	39	5.76	+2.26	2.31	0.5	14	14	3	13		U. S. Weather Bureau.
Lisle (Hickman, Lock 5)	Jessamine	560	25								5.19	+1.79	1.60		10					Lockmaster.
Lockport, Lock 2	Henry	485	26								5.57	+1.84	2.15		10					Lockmaster.
Louisville	Jefferson	459	65	52.2	−4.2	84	15	24	3	35	4.10	+0.22	2.11	0.1	10	10	7	13	sw.	U. S. Weather Bureau.
				52.9		86	15	20	8	39	5.84		1.38	T.	15	9	12	9	sw.	
Mammoth Cave	Edmonson																			Ivan J. Ellsworth.
Marrowbone	Wayne																			Sisters of Loretto.
St. Joan	Hardin	777	40	52.8	−2.0	85	15	23	3†	47	5.27	+1.53	1.69	T	12	19	1	10		Lockmaster.
Salvisa, Lock 6	Mercer	520	22								5.24	+1.58	1.25		11					Miss RuthRatta,
Shelbyville	Shelby	825	47	50.8	−3.8	83	15	21	3	38	4.09	+0.18	1.24	T.	13	5	6	19	sw.	Elizabeth J. Bourne.
Taylorsville	Spencer	789	34	49.9	−4.8	85	15	21	8	41	4.76	+0.81	1.15	T.	11	12	8	10		Lockmaster.
Tyrone, Lock 5	Anderson	524	18								6.22	+2.23	2.25	0.4	15					Miss Nettie B. Simpson.
Williamstown	Grant	943	33	52.2	−1.3	85	27	22	4†	41	4.92	+1.48	1.75	0	13	15	6	9	w.	Lockmaster.
Woodbury, Lock 4	Butler	504	19								4.59	+0.47	1.03	T.	12					
Eastern Division.																				
Annville	Jackson		5								3.94		1.59	2.5	10	10	8	12	sw.	W. A. Worthington.
Ashland	Boyd	534	17	52.4	−3.2	86	15	24	8	42	4.87	+1.27	2.67	0.0	14	10	9	11	nw.	Lockmaster.
Berea	Madison	1070	31	*53.2	−2.6	85a	15	24a	3†	40a	3.55	−0.10	1.41	0	9	8	8	14	w.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	26																	Lockmaster.
Cynthiana	Harrison	684	18								5.05	+1.40	2.00	T.	8					P. H. Kehoe.
Falmouth	Pendleton	600	47								4.52	+0.83	2.13		13					J. V. Oldham.
Farmers	Rowan	668	28	51.5	−3.0	85	29	20	4†	50	5.48	+1.78	2.19	0	12	6	12	12	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	11								5.57	+1.68	2.31	0	9					C. A. Glascock
Ford, Lock 10	Clark	637	20								5.97	+2.72	2.45	0	14					Lockmaster.
Greenup, Dam 30	Greenup	540	15								4.47	+0.88	2.09	0.2	11					Lockmaster.
Harlan	Harlan	1197	8	56.6		89	15	27	4	44	5.55		2.67	T.	6	19	0	11		B. W. Whitfield.
Hazard	Perry	870	12								4.76	+1.47	1.96	T.	10					Chas. O. Burg.
Heidelberg, Lock 14	Lee	663	19	53.0		86	15	23	8	47	4.92	+1.60	2.25	T	13	6	6	18	sw.	Lockmaster.
Jackson	Breathitt										4.29		2.00	1.0	8					Jas. T. Golf.
Jamestown	Letcher	1566	12																	
Lancaster	Rockcastle																			R. R. Davidson.
Lexington	Lawrence	584	32								4.14	+0.89	2.55	0	7					Lockmaster.
Louisa	Clay		16																	Jeanett H. White.
Manchester	Mason	593	39	51.0	−3.5	84	15	20	8	43	4.48	+0.91	1.64	0.2	12	4	14	12	w.	Lockmaster.
Maysville	Bell	1128	10	52.8	−3.9	83	15	24	4	44	4.75	+0.27	2.45	0.2	7	12	16	2		Matthew Woodson
Middlesboro	Montgomery	930	46	50.6	−3.9	85	16	20	8	43	7.18	+3.52	3.05	0	14	12	5	13	w.	W. R. McKee.
Mount Sterling	Campbell	497	9								3.35	−0.69	1.80	T.	9					Lockmaster.
Oneonta, Dam 35	Johnson	567	2	0		0					4.05		2.03		12					Manuel Robinson.
Paintsville	Pike	636	30	55.6		90	15	24	4	49	3.56	−0.62	1.61	T.	8	6	10	5		U. S Weather Bureau.
Pikeville	Knott	1035	2	54.6		88	15	22	4	47	4.16		1.68	0.8	10	3	18	9		Caney Run Com. Cen.
Poppenaus	Breathitt	752	10	53.0	−3.8	90	15	22	8	51	4.15	−0.60	1.66	0	7					R. W. Jones.
Quicksand	Estill	631	18								5.62	+1.31	2.22		10					Lockmaster.
Ravenna, Lock 12	Madison	996	15	52.0	−4.1	82	28	24	8	38	5.05	+1.46	1.56	T.	13	14	1	15		J. W. Crooke.
Richmond	Madison	571	23																	Lockmaster.
Ros Vaux, Lock 9	Madison	505	21								5.36	+1.02	2.03	0	12					Lockmaster.
Torrenberg, Dam 32	Lewis	629	39																	H. F. Davis.
Williamsburg	Whitley	1035	15								4.44	+1.67	2.00		8					Lockmaster.
Wilkes, Lock 13	Lee	636	17	53.1	−3.0	90	15	19	8	50	4.59	+0.82	3.54	0.1	11	11	8	11		

Dots in temperature data are taken from soil-registering thermometers.

Dots in departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. † Received too late to be included in means and summaries. ‡ Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

¶ Post-office addresses: Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky.

Stations, Counties, Observers, and extremes ...

Lockmasters, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Daily Precipitation for April, 1936

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Western Division																															
Birmingham	T.		.20		.41	1.00				.60																					
Calhoun	.44	.80	T.	T.	T.	.84	1.21			.81	.04	.16	T.			T.	.01				.22	.52							T.	.30	.10	4.66
Darlington	2.26	.06	T.			.55	1.23				.05	.07	T.	.19								.02								.47		6.00
Fords Ferry Dam 50	.08	.08	T.			3.02	3.15	T.	.20	.25			1.	T.		T.	.05					.08								.55	.15	5.10
Greenville	1.24	.02	.04		.20	2.00				.75	.10	.22	.05			T.					.22							1.	.22	.45		4.44
Henderson				3.	.04	.08				.82						.11					.22								.07		2.15
Hopkinsville	.04	.26				1.14				.81	.08	.16	.10								T.								.04	.09	2.72
Lovelaceville	.35				2.60					.60		.20									.07					.50					3.77
Mayfield	.24	T.				.52	2.40			.40	.05	.10									.31	.40				T.	.24	T.			4.06
Murray	.52	.33	T.			.35	.98			.06	.13	.14	T.			T.	T.				.14	.28				T.	.20	T.			3.35
Owensboro	.44	.42	T.			.30	2.06			.20	.43	T.	.09			T.	.05					.23					.1	.20			3.98
Owensboro, Dam 46	.03	.42	T.	T.		.41	1.85			.10	.30	T.	.08	T.		T.	.15					.19					T.	.40			3.93
Paducah																															
Princeton	.78	T.	.01	T.		.61	1.40			.62	.05	.16				.03					1.69					.01	.6				5.21
Ramsey, Lock No. 2	.15	.03	T.			.48	1.10			.25	.10		.21									.55					.3	.4			4.07
Russellville	.21	.44				.03	1.06			1.03	.01		.40									.20			.04		.1	.28			3.24
Uniontown, Dam 49	.04	.41	.07			.21	1.51	T.		.01	.51		.14				.04					.21					.0	.28			3.52
Central Division																															
Addison, Dam 45	.02	.49	T.	T.		.25	1.02	.02		.21	.57	.02	.19			.01	.19					.25									1.99
Ano'George	.64				1.62	.72				.24	.05	.15				.05					.58									.15	4.20
Bowling Green	1.30	T.	.50		.10	1.55			1.35	.05	.18	.17										.55								.05	5.57
Brownsville, Lock No. 6	.63	.92	.02		.22	1.25	.03		1.04	.15	.16	.16										.42								.11	5.37
Burnside	.37	.80	.02	.02	.21	2.00			.55	.18	T.	.32										.10				.05	.05	T.		.17	5.37
Carrollton (Lock No. 1)	K.	.61	.03		.11	1.91			.53	.31		.25										.51								.08	4.22
Cold Spring, Dam 36	O.	.52	.01		T.	1.87	.02		.06	.12	T.	T.				T.						.54				T.	T.	T.	.14		3.47
Danville	K.	.80	.02	.04		.30	1.17			1.25	.05	.13	.26			T.		.02			.12	.20						.03	.17	.04	4.94
Dix Dam, Burgin	K.					.60	2.28			.50	1.10	.27				.02						.09		.53			.08	.25			5.62
Eadsville	C.	.50	.34		T.	.12	2.00			1.04			.25	.22			.08					.20				.04				.06	4.65
Eubank	C.																														
Frankfort	K.	.03	.55	.01	T.	.30	1.57	.02		.35	.55	.20	.12				.05					.63				.02		.03	.30		3.38
Franklin	O.	.65				.61	1.58			1.42	.05	.10	.08									.08				.05		.02	.03		3.44
Gest, Lock No. 3	K.		.72	.03		.03	1.75			.07	.21	.05	.26				T.					.03				.02		.07	.02		4.57
Glasgow	G.	.55				.81	1.88			1.56	.17			.20								.03						.20	.02		5.29
Grant, Dam 34	O.		.45	T.		.03	1.69			.15	.35		.04									.44				T.	T.	.05	.25		3.33
Greensburg	C.	.90	.51	.02		.26	1.43	.05		.84		.20	.22									.27									3.33
High Bridge, Lock No. 7	K.	.17	.45	.02	.01	.03	1.45	.03		.11	1.01	.12	.23				.01					.27						.10	.23		7.21
Irvington	O.	.54	T.	T.	T.	.08	.53			.71	.02	.05					T.					.42	T.				T.	.05	.25		2.82
Jamestown	C.					2.30			1.05	.22	.11	.31														T.	T.				4.99
Lancaster	K.	.51				.24	1.25			.06	.20		.30			.02						.30				.03	.07	.11	.07		4.87
Lettenfield	O.	.92	.02	.03		.66	1.30			.24	.18	.16				.02					.61	.21						.15	.16		5.23
Lexington	K.	.37	.05	.05	.02	2.18	.02			1.24	.15	.25	.01			.05		T.			.13					T.		.24	.27	T.	7.76
Little Hickman, Lock No. 8	K.	.10	.60	T.	T.	.70	1.60			.70	.20	.10	.24				T.					.40									5.15
Lockport, Lock No. 2	K.		.70	T.			2.15	.35		.85	.48		.35				.12					.60						.17	.37		7.57
LOUISVILLE	O.	.53	.01	T.	T.	2.00	.03			.58		.19				.01						.40				T.	T.	.23	.13		4.10
Mammoth Cave	G.	.91	.02	.01		1.17	1.38			1.81	.23	.12	.02	T.			.01					.13	.31		.01		T.	.04	.12		5.84
Marrowbone	C.																														
St. John	C.	.10	1.10	T.		.01	.25	1.60		.28	.62	.06	.22				.04					.64							.83		5.77
Salyers, Lock No 6	K.	.12	.23	T.	T.	.08	1.25	.10		.55	.57	.23	.25				T.					.65							.05		5.24
Shelbyville	S.		.02	.02		.12	1.23			.12	.72	.09	.11				.08					.54				.01		.02	.29		4.79
Taylorsville	S.	.68	.03	T.		1.15	.20			.06	.13	.11				.03	T.				.45							.20	.05		4.76
Tyrone, Lock No. 5	K.	.20	.48	.02	.01	.52	2.25			.50	.93	.34	.16				.03					.00				.2		.12	.20		6.22
Williamstown	L.		.86	.02	.06	.61	1.58	.07		.13		.22					.20					.50				.11			.44		4.92
Woodbury, Lock No. 4	O.	.20	.51	.02	.02	.32	1.03			.53	.16	.27	.14				T.					.02							.34		4.59
Eastern Division																															
Annville	C.	.24	.40	.01	T.	.24	.59			.82	.18		.25				.09					.09							.12		3.84
Ashland	O.		.61	.03	.01	.01	2.67			.13		.13	.09	.01			.09	.01				.30							.02		3.57
Berea	K.	.63	T.	.04		.78	1.47			.12		.10					.37				.02					T.	.05		.02		3.53
College Hill, Lock No. 11	K.																														
Cynthiana	L.		.76			.40	2.00		T.	.40	.50	.25				.4		T.	T.	T.	T.	T.						.20			5.66
Falmouth	L.		.60	.02	T.	.12	2.13	.02		.21	.49	.07	.20	T.			.02					.43				T.		.01	.10		4.82
Farmers	L.		.73	.01	.02	.22	2.19			.52	.51		.26				.05					.53						.05	.26		5.22
Flemingsburg	L.		.65	.15			2.51	.13		.26	.77		.24									.56							.59		5.57
Ford, Lock No. 10	K.	.18	.44	T.	.02	.24	2.45	T.		.55	1.09	.12	.20			T.	.01		T.			.30				.03	.06	.18			6.97
Greenup, Dam 30	O.	T.	.70	T.			2.04	.04		.05	.74	.03	.14	T.			T.					.27			.08	.33		.08			6.97
Harlan	C.	.60	1.04	T.			2.67					.52	.40	T.							.32						T.			5.55
Hazard	K.	.25	.12			.38	1.96	.04		.23	.22	.27	.75									.21				T.		T.			4.76
Heidelberg, Lock No. 14	K.	.15	.28	.01	T.	.18	2.25	.02		.32	.75	.01	.56				T.					.20				.07		.6			4.92
Jackson	K.	.15	.50	.10	T.		2.11			.00	.28		.13									.25						T.			4.29
Jenkins	B.																														
Livingston	C.																					.07					.10	.14			
Louisa	B.		.21				2.75			.52	.08	.15				.03						.20									4.94
Manchester	K.												.27				.05														
Maysville	O.		.65	T.	T.		1.64	.03		.10	.78	.07	.31									.49				.02		.01	.35		4.48
Middlesboro	C.	.44	.80			.08	2.45			.45			.27									.26									4.75
Mount Sterling	L.	.70	.14	.04		1.00	3.05			1.22	.05	T.	.40				.12	T.			.14	.19				.06	T.	T.	.26	.15		7.58
Oneonta Dam 35	O.		.46				1.80	.05	T.	.03	.41	T.	.06									.33				T.	T.	T.	.02	.20		3.35
Paintsville	K.	.10	.44		.02	.14	2.03	.02		.38	.41	.06	.23									.25					.04				4.05
Pikeville	B.	.26	.30	T.		.54	1.64	T.		.38	T.	.14	.22	T.							T.	.10				T.		T.			3.56
Pippapass	K.	.28	.14	.06	T.	.58	1.68			.40		.26	.44									.12							.02		4.16
Quicksand	K.	.40				.61	1.66		.78		T.	.22	.30									.18						T.			4.15
Ravenna, Lock No. 12	K.	.18	.63	T.	.06	T.	2.92	.09		.62	.52	T.	.41				T.		T.			.23					T.		.6		5.02
Richmond	K.	.20	.50	T.		.70	1.39	.05		.80	.30	.15	.24				.05					.30					.05		.15		5.45
Valley View, Lock No. 6	K.																														
Vanceburg, Dam No. 32	O.		.64	.02			2.03	.06		.03	.05	.08	.24				.16					.47				.26			.42		5.36
Williamsburg	C.	.35	.16	.38	.42	.46	2.08																					T.			
Willow, Lock No. 13	K.		.20		T.		2.00	T.		.7	.37	.10	.62									.25							.10		1.44

Except as otherwise indicated observations are generally taken in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

(‖) Precipitation measured in the following amount fell recorded in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking, (K) Kentucky, (S) Salt; (G) Green, (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

* Lone Oak

Daily Temperatures for April, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Calhoun	Maximum	55	55	36	51	56	56	42	49	49	53	55	57	71	78	79	79	55	50	62	77	77	54	59	66	77	77	76	76	74	79	...	62.7
	Minimum	40	36	27	31	38	38	34	27	42	44	51	46	45	53	66	45	41	37	38	46	37	32	33	41	45	57	52	66	63	64	...	43.8
Earlington	Maximum	60	57	38	53	61	58	48	50	53	50	70	63	73	85	86	81	58	58	65	84	81	66	63	70	80	82	78	85	82	78	81	*66.9
	Minimum	39	36	26	29	47	38	34	26	41	44	46	42	42	48	66	46	34	31	32	45	67	34	36	36	42	58	54	67	64	65	...	43.8
Greenville	Maximum	64	61	38	51	60	60	49	49	52	49	65	60	63	81	80	75	55	52	64	82	80	54	59	66	77	...	80	75	74	80	...	*64.0
	Minimum	39	36	22	25	45	37	32	24	39	41	42	39	42	46	63	45	30	27	28	44	38	32	33	37	41	...	48	65	62	62	...	*39.9
Henderson	Maximum	47	44	39	49	56	51	47	50	51	53	66	62	68	83	83	72	62	54	66	83	72	58	63	68	74	79	83	80	70	72	...	65.5
	Minimum	33	30	24	35	43	32	37	26	40	44	46	42	44	50	54	44	37	35	42	56	37	31	33	41	44	43	50	66	58	59	...	41.9
Hopkinsville	Maximum	60	57	39	52	59	59	50	47	51	47	68	65	70	84	85	78	58	59	65	84	80	57	64	72	80	80	84	80	74	82	...	66.3
	Minimum	42	31	24	28	47	38	33	26	40	42	41	41	44	49	62	46	34	29	30	39	39	34	35	37	43	52	53	63	61	63	...	41.5
Lovelaceville	Maximum	57	53	40	51	60	50	48	46	48	51	66	68	71	83	85	75	61	61	66	82	65	62	68	78	80	82	76	75	76	80	...	69.5
	Minimum	47	31	24	20	50	36	25	27	34	42	42	35	52	50	55	45	35	27	30	42	35	32	38	40	45	57	62	59	61	57	...	41.8
Mayfield	Maximum	60	59	42	53	62	64	51	50	50	51	70	69	77	89	90	80	61	59	67	83	78	59	61	70	80	80	83	79	72	80	...	67.7
	Minimum	41	32	25	31	48	36	31	28	38	42	43	41	48	56	59	46	38	32	36	48	38	34	33	40	48	56	58	64	61	62	...	45.1
Murray	Maximum	53	51	39	55	66	63	52	57	51	57	71	68	80	87	85	78	60	58	66	85	74	58	65	74	83	85	87	81	82	84	...	68.5
	Minimum	43	33	25	28	48	33	25	28	39	46	39	38	46	45	64	48	37	28	30	37	38	35	35	33	40	52	52	64	61	58	...	4..3
Owensboro	Maximum	57	55	32	49	57	56	51	50	51	49	65	62	73	83	84	70	56	56	66	88	70	56	62	69	80	77	82	82	75	78	...	65.2
	Minimum	39	30	24	26	42	36	30	27	40	42	44	43	42	47	56	42	37	29	31	31	31	31	34	40	41	52	48	61	62	59	...	40.9
Princeton	Maximum	61	54	40	53	61	58	49	52	51	53	70	64	78	86	85	70	60	60	68	85	75	59	65	73	82	82	86	80	72	85	...	67.2
	Minimum	41	32	24	29	48	38	30	26	40	43	42	40	43	50	64	46	35	30	31	39	41	33	35	39	42	56	54	66	63	61	...	42.0
Russellville§§	Maximum	64	58	37	52	60	61	43	53	47	63	69	64	66	74	85	86	61	53	58	66	84	75	64	61	69	82	80	85	84	88	...	64.8
	Minimum	37	37	23	24	51	38	33	25	30	42	42	41	41	46	48	46	39	29	30	30	48	35	35	37	54	55	53	62	64	62	...	40.6
Central Division.																																	
Anchorage	Maximum	54	48	37	48	52	51	49	48	58	49	61	64	70	81	84	69	56	54	62	80	73	60	60	64	80	84	84	82	74	78	...	63.2
	Minimum	36	28	24	28	42	39	30	19	35	42	41	33	34	42	51	39	27	25	29	34	33	29	29	30	39	47	46	48	62	62	...	36.9
Bowling Green	Maximum	65	62	42	54	59	59	54	49	65	52	70	64	79	85	88	82	62	61	70	85	80	61	65	72	81	82	86	84	78	86	...	69.4
	Minimum	42	40	26	27	47	42	38	26	42	43	44	43	45	46	58	49	38	34	33	41	58	38	40	43	54	54	54	64	64	65	...	43.8
Danville	Maximum	62	61	38	52	56	57	51	47	53	53	63	62	67	81	84	79	58	53	61	80	77	58	59	65	80	69	85	80	78	84	...	64.6
	Minimum	28	31	24	24	40	40	35	24	40	42	43	44	40	40	67	41	34	31	31	40	37	31	29	36	28	55	44	62	64	60	...	39.8
Dix Dam	Maximum	60	62	35	40	50	58	51	51	52	52	61	63	68	80	85	81	59	51	60	79	79	61	66	65	84	82	86	81	78	73	...	64.5
	Minimum	40	34	26	36	43	42	37	24	40	44	45	48	40	41	65	45	35	30	31	41	41	33	32	39	60	52	55	63	64	61	...	42.6
Eubank	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Frankfort	Maximum	55	54	34	49	56	56	51	49	50	51	62	67	71	80	87	80	55	53	63	80	77	53	61	64	80	76	84	80	78	78	...	64.5
	Minimum	38	33	25	26	43	40	36	22	38	44	47	41	35	38	51	41	32	28	28	35	36	31	30	35	37	54	44	60	62	62	...	39.0
Franklin	Maximum	73	62	40	53	59	60	55	49	54	51	69	67	78	85	88	77	60	60	68	86	82	56	66	73	80	82	85	84	75	86	...	68.8
	Minimum	43	33	26	28	48	40	36	26	41	44	44	41	45	48	50	46	37	34	32	44	43	36	34	37	44	55	54	64	65	64	...	42.9
Glasgow	Maximum	73	61	36	55	59	60	55	53	53	65	67	70	84	84	79	57	54	62	80	66	49	60	73	70	68	78	81	78	78	...	65.2
	Minimum	38	31	24	24	45	41	35	24	42	42	40	50	48	44	63	46	31	28	28	60	39	35	32	38	41	54	50	55	55	62	...	41.5
Greensburg	Maximum	64	63	35	52	59	62	53	49	53	52	67	65	73	88	85	79	58	56	65	81	78	53	62	68	80	76	85	80	79	82	...	66.3
	Minimum	38	30	23	22	42	39	37	20	39	40	40	38	40	39	55	45	28	26	29	32	42	22	30	33	36	50	45	63	68	60	...	38.7
Irvington	Maximum	55	50	33	49	57	54	48	50	52	50	65	62	70	81	84	79	55	53	62	81	76	55	59	65	79	74	82	82	75	79	...	62.9
	Minimum	39	32	25	29	45	39	34	25	42	44	45	44	44	51	63	45	35	31	34	46	36	32	38	40	44	58	51	66	65	64	...	42.7
Leitchfield	Maximum	63	59	33	49	58	58	48	48	52	49	66	63	71	81	86	76	56	54	63	82	76	52	60	65	79	71	83	82	75	81	...	64.6
	Minimum	39	30	24	27	44	39	34	24	40	45	44	41	44	50	59	54	35	31	34	43	37	33	32	39	42	56	48	65	64	63	...	41.6
Lexington	Maximum	61	58	33	48	55	53	48	48	50	50	61	63	67	79	82	59	54	50	61	78	71	48	59	65	77	70	82	78	73	80	...	61.5
	Minimum	37	28	25	27	41	39	24	21	39	42	48	40	38	46	50	58	31	29	29	41	32	31	30	37	41	49	49	60	61	61	...	42.4
Louisville	Maximum	53	46	34	50	52	53	47	48	50	49	62	62	63	81	84	57	51	51	62	80	71	52	59	64	79	74	82	81	73	79	...	61.5
	Minimum	38	29	24	28	44	38	30	25	42	43	45	45	46	49	64	44	38	36	39	47	36	32	34	41	47	51	50	69	63	62	...	42.8
Mammoth Cave	Maximum	64	61	36	50	58	59	52	47	52	49	66	65	73	81	86	76	56	54	63	80	72	49	63	64	79	78	84	83	76	82	...	65.2
	Minimum	40	31	24	23	43	40	35	20	40	43	43	41	41	46	62	42	30	27	27	41	40	34	32	37	41	55	49	66	64	63	...	40.6
St. John	Maximum	60	56	36	49	56	56	52	48	51	50	65	64	70	79	85	80	58	61	66	80	73	52	59	64	82	72	81	81	77	77	...	65.4
	Minimum	38	31	23	25	42	38	35	23	40	42	41	40	41	47	60	43	31	28	30	37	40	32	30	37	41	61	48	65	66	62	...	40.2
Shelbyville	Maximum	61	58	33	48	55	53	48	48	50	50	61	63	67	79	82	59	54	50	61	78	71	48	59	65	77	70	82	78	73	80	...	62.1
	Minimum	37	28	25	27	41	39	24	21	39	42	48	40	38	46	50	58	31	29	29	41	32	31	30	37	41	49	49	60	61	61	...	42.4
Taylorsville	Maximum	56	55	33	48	57	53	49	48	51	51	64	62	66	80	85	69	52	52	61	79	73	52	58	63	79	66	82	82	77	74	...	62.7
	Minimum	38	32	25	26	43	39	35	24	38	43	44	38	37	43	59	40	31	27	30	35	36	32	32	35	37	48	44	63	64	63	...	37.1
Williamstown	Maximum	49	49	34	45	49	51	49	52	47	50	62	63	70	80	84	80	53	51	62	80	78	54	61	66	81	78	86	83	78	82	...	63.6
	Minimum	35	40	24	22	41	42	36	22	38	43	42	39	39	41	68	39	30	31	29	41	63	30	28	35	40	51	47	65	64	62	...	40.7
Eastern Division.																																	
Ashland	Maximum	57	57	35	47	49	58	54	49	48	58	57	60	65	78	86	70	55	51	61	81	80	50	60	60	81	65	80	85	83	82	...	63.4
	Minimum	40	39	27	25	44	43	39	24	40	46	46	43	38	38	60	44	36	34	36	39	36	31	37	43	38	53	60	60	60	...	...	*41.5
Berea	Maximum	67	68	32	49	55	55	51	52	59	52	70	67	78	85	82	61	52	63	79	80	51	62	69	74	73	80	78	80	82	76	...	*65.2
	Minimum	39	31	24	25	42	42	36	24	45	45	...	41	46	46	48	33	29	30	44	46	36	30	30	37	44	57	56	64	64	62	...	*41.1
Farmers	Maximum	59	64	38	51	59	58	53	52	53	58	63	62	69	81	84	84	58	52	59	79	78	54	66	65	79	75	83	84	85	83	...	66.0
	Minimum	36	33	24	20	40	35	20	36	44	43	39	31	34	54	38	28	26	24	29	38	28	27	31	34	35	48	59	60	59	56	...	37.0
Harlan§§	Maximum	67	60	36	55	59	61	56	54	57	75	59	66	74	84	89	66	58	54	63	80	63	59	73	77	77	77	77	77	76	78	...	68.4
	Minimum	47	34	28	27	44	47	41	28	45	54	47	48	42	42	45	54	40	34	45	36	41	55	34	39	43	55	52	57	60	64	...	44.3
Heidelberg	Maximum	66	66	35	52	62	64	51	50	54	62	61	64	69	81	86	82	61	51	61	79	78	54	64	64	76	72	82	82	81	81	...	66.4
	Minimum	40	35	27	25	40	46	39	23	41	47	47	42	35	56	52	45	31	28	28	32	46	36	31	32	36	52	44	52	55	61	...	39.5
Maysville	Maximum	47	53	38	50	57	60	50	54	53	59	62	67	77	84	80	66	53	59	79	75	70	59	62	78	78	88	82	77	82	...	...	64.0
	Minimum	38	33	26	21	41	40	36	20	35	44	43	38	34	37	53	40	29	28	26	39	32	27	27	33	35	52	49	61	61	...	...	37.8
Middlesboro	Maximum	60	61	30	51	55	50	50	52	56	57	67	68	70	77	83	65	56	49	60	76	74	47	61	71	75	73	78	78	77	79	...	68.3
	Minimum	46	40	23	24	41	48	40	28	46	46	46	44	42	42	62	50	35	30	31	32	61	40	39	38	49	52	48	61	56	62	...	42.3
Mount Sterling	Maximum	55	51	31	45	56	50	49	50	50	49	62	61	65	81	86	62	45	49	56	80	70	50	59	71	80	63	84	80	77	84	...	61.3
	Minimum	41	30	25	22	39	38	30	20	38	44	40	41	39	47	59	43	30	27	27	37	34	31	29	37	44	52	48	59	62	66	...	38.8
Pikeville	Maximum	70	65	40	60	64	64	58	52	65	66	68	69	64	70	81	69	58	58	60	82	82	56	68	70	78	78	85	88	86	86	...	69.5
	Minimum	42	40	29	24	34	48	41	27	42	50	46	45	37	38	54	50	41	34	33	33	50	37	36	32	38	54	46	56	57	62	...	41.7
Pippapass	Maximum	73	67	41	55	68	62	54	54	68	68	68	62	70	82	88	84	62	62	59	80	78	66	68	78	76	84	87	84	84	88	...	69.3
	Minimum	41	39	26	22	41	47	39	23	38	51	44	43	37	36	54	46	35	30	29	35	55	34	27	27	36	54	44	52	53	59	...	38.8
Quicksand	Maximum	67	61	36	54	62	65	55	52	65	66	63	62	71	84	90	89	56	50	60	81	87	68	67	69	80	72	86	86	84	82	...	68.7
	Minimum	38	32	24	23	40	45	37	22	38	44	43	40	33	34	53	43	31	28	26	30	37	34	29	25	34	46	42	53	52	56	...	37.8
Richmond	Maximum	53	64	38	33	55	58	46	52	52	55	52	60	65	70	80	80	60	56	60	76	78	60	70	70	80	78	85	82	80	80	...	68.1
	Minimum	38	43	25	25	40	45	36	24	40	43	43	47	42	47	65	42	33	33	43	62	52	30	35	44	46	50	62	65	63	...	...	42.7
Williamsburg	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	41	31	25	25	42	44	42	46	38	44	46	45	47	52	68	48	33	37	41	26	39	36	38	42	41	46	45	58	60	46	..	40.9

§§ Instruments are read in the morning. The maximum temperature then read is charged to the preceding day, on which it almost always occurs
* 2-3 etc. inches respectively 1-2-3 etc. days missing from record
W. B. D. Louisville 6-27-36 110°

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

THE LIBRARY OF THE

J. L. KENDALL.

VOL. XLI LOUISVILLE, KY., MAY, 1933 No. 5

UNIV OF

GENERAL SUMMARY.

Ths month was dry, and somewhat warmer than the average, with an exceptionally high percentage of sunshine. More rapid growth than usual made up to a considerable extent for the delay in the earlier part of the spring. The lack of sufficient moisture in the soil of uplands and hills began to show about the middle of the month in the diminishing growth of pastures. Toward the end the increasing dryness retarded such crops as potatoes, timothy, lespedeza, young clover, and most vegetables; while hill pastures, seed bluegrass, and oats were more or less seriously damaged. Corn planting proceeded almost without hindrance until near the end, when land became too dry to be properly conditioned. Germination was prompt and good stands resulted. The rapid drying out of plowed land and the difficulty in preparing a good seed bed rendered the sprouting of the last plantings, uncertain. Some plowed land lay unplanted at the end on account of this situation. Plowing could not be completed because of the hardening soil.

Tobacco plants improved rapidly during the first two weeks, but suffered for moisture later on. Transplanting began somewhat later than usual, and was confined to the smoother lands on which machines could be used. After plants became large enough to set there was no rain that would permit transplanting in the hilly districts. The lack of rain after setting was unfavorable for obtaining perfect stands and for starting growth. Wheat improved in color and condition. On the uplands the dry weather caused variation in length of straw which showed as heads appeared. Barley harvest began in southern districts near the end with ideal weather for curing. First crop alfalfa matured rather quickly and was perfectly cured.

The dry weather prematurely ended the strawberry season, and reduced the size of berries in the later stages. Other small fruits were damaged. Cotton was planted somewhat late, but made exceptional progress. The increasing distress of vegetation indicated low moisture reserves in the soil, especially of the thinner uplands and hills.

TEMPERATURE.

With the exception of brief periods of cool weather in the first week, near the middle, and at the end of the month, daily mean temperatures averaged considerably above normal. The periods 6-12th and 22d-27th, were especially warm, with means 7° to 15° above normal and maxima frequently above 90°. The highest for the State was 96° at several stations on the 9th-10th, and the lowest 35° at Greensburg on the 15th.

PRECIPITATION.

Precipitation averaged slightly more than one-third of the normal amount, and ranged between 0.43 inch at Middlesboro and 4.63 inches at Berea. It occurred as irregularly distributed showers in the periods 1st-4th, 11-14th, and 17-19th. These showers were moderate to heavy locally on the 12th, 13th, 18th, and 19th. A narrow strip about one county in width, extending from Boyle to Rowan County, received 2.0 to 4.0 inches. In most other sections monthly amounts ranged from 1.0 to 2.0 inches. Very dry areas, with less than 1.0 inch, developed along the Ohio River from Breckenridge to Boyd County, a so in the southeastern, south-central, and extreme western counties. Days with thunderstorms were: 1, 2, 9, 10, 11, 12, 13, 17, 18, 24, 25, 26.

MISCELLANEOUS.

Rivers: – The Ohio declined to pool stage by the middle of the month. All other streams remained low. Water shortages appeared in some dry upland sections toward the end of the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum 5-minute velocity.	Direction.	Date.	Relative humidity. 7 a. m.	1 p. m.	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.04	30.34	22	29.76	31	7.6	49	sw.	12	79	52	54	87
Cincinnati ..... Ohio	30.08	30.45	22	29.71	31	6.5	52	sw.	8	78	46	52	84
Evansville ..... Ind.	30.06	30.38	22	29.69	31	8.1	41	sw.	12	74	42	48	92
Louisville ..... Ky.	30.09	30.45	22	29.74	31	8.9	50	nw.	15	66	43	55	84

COMPARATIVE DATA FOR MAY.

Year	Temperature. Mean.	Highest.	Lowest.	Precipitation. Average.	Average snowfall	Precipitation on 1inch or more	Number of days. Clear.	Partly cloudy.	Cloudy.
1889	63.6	94	28	4.03	....	..	..	..	..
1890	63.9	93	32	4.22	....	..	..	..	..
1891	62.6	90	29	1.78	....	..	..	..	..
1892	64.6	90	36	5.49	....	..	..	..	..
1893	63.2	96	37	5.39	....	..	..	..	..
1894	64.5	99	32	3.84	....	..	..	..	..
1895	63.9	99	29	3.16	....	8	12	10	8
1896	72.2	106	42	5.54	....	11	14	11	6
1897	61.4	92	32	3.27	T.	10	15	9	7
1898	67.6	93	31	4.62	0.2	10	14	11	6
1899	68.8	94	42	4.79	0	11	11	12	8
1900	66.3	96	29	3.49	0	10	15	8	8
1901	63.7	87	34	2.65	0	10	12	9	10
1902	70.0	98	35	3.75	0	9	17	9	5
1903	68.0	98	29	3.09	0	8	16	10	5
1904	68.0	98	32	3.05	0	10	14	8	8
1905	68.0	95	38	5.23	0	11	12	9	10
1906	69.5	95	34	2.54	T	9	16	7	8
1907	61.3	93	30	5.67	0	12	12	7	12
1908	66.7	96	28	4.34	0	12	13	8	10
1909	68.9	93	37	4.64	T	12	13	7	11
1910	61.1	86	30	4.81	0	12	18	6	7
1911	69.4	105	29	2.46	0	5	22	5	4
1912	66.7	97	37	4.53	0	10	16	6	9
1913	66.1	99	29	2.92	0	8	16	7	8
1914	66.5	103	32	2.16	0	5	20	6	5
1915	65.2	95	35	6.62	0	15	9	8	14
1916	67.2	98	33	4.02	0	9	14	9	8
1917	58.9	92	30	3.43	0	10	12	8	11
1918	69.4	97	28	4.29	0	8	16	8	7
1919	63.9	95	33	6.05	0	14	9	8	14
1920	64.2	94	32	4.08	0	11	13	7	11
1921	65.9	97	32	2.45	0	8	16	8	7
1922	67.9	94	35	3.87	0	10	14	10	7
1923	63.9	91	27	3.98	T	13	11	8	12
1924	59.9	92	34	5.04	0	14	10	9	12
1925	61.2	98	28	2.61	T.	8	16	8	7
1926	66.2	101	31	2.36	0	7	17	8	6
1927	65.7	93	31	7.44	0	16	10	10	11
1928	68.2	94	29	3.58	0	9	16	7	8
1929	61.1	88	32	7.55	T	14	12	8	11
1930	66.5	94	33	2.96	0	9	18	8	8
1931	62.7	87	34	2.58	0	11	13	8	10
1932	65.1	92	36	1.39	0	6	18	8	6
1933	68.7	95	40	1.43	0	15	11	9	11
1934	67.7	98	36	1.53	0	6	21	8	8
1935	64.5	91	36	7.84	0	14	11	9	11
1936	66.3	96	35	1.70	0	5	22	6	3
Period	65.4	100	27	3.59	T	10	11	9	8

Climatological Data for May, 1936.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches Number of days: Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Birmingham	Marshall	....	....	....	....	....	....	....	....	....	2.00	....	1.47	0	3	..	....	....	....	Tennessee Valley Authority.
Calhoun	McLean	437	32	68.0	+ 1.4	87	25†	44	15	35	1.32	−2.66	0.56	0	4	15	14	2	sw.	W. A. Taylor.
Earlington	Hopkins	420	46	70.9	+ 3.9	92	25†	40	15	42	2.02	−2.00	1.43	0	4	26	2	3	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	7	....	....	....	....	....	....	....	1.90	....	0.83	0	6	..	....	....	....	Lockmaster.
Greenville	Muhlenburg	519	19	65.4	+ 0.2	87	27	41	15	40	1.33	−2.92	0.83	0	4	22	9	0	s.	C. R. Lovell.
Henderson	Henderson	382	22	70.3	....	94	26	44	4†	37	1.61	−2.29	1.21	0	3	22	7	2	w.	Richard Stites
Hopkinsville	Christian	524	40	69.8	+ 2.6	91	10†	41	15	42	1.65	−2.47	1.01	0	5	14	8	9	se.	W. S. Graves.
Loyelaceville	Ballard	....	7	68.2	....	90	25†	39	15	40	0.86	....	0.36	0	3	22	9	0	s.	Blaine Malone.
Mayfield	Graves	364	27	71.0	+ 4.5	91	25†	45	4†	39	0.93	−2.87	0.39	0	5	22	8	1	s.	Mrs. Joe Payne.
Murray	Calloway	412	10	69.6	+ 2.5	92	8†	40	4†	43	2.01	−2.49	1.48	0	4	19	7	5	s.	Harry B. Arnold
Owensboro	Daviess	479	39	68.5	+ 3.1	90	27	42	31	39	1.68	−2.25	1.10	0	5	25	3	3	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	8	....	....	....	....	....	....	....	1.89	..	1.47	0	5	..	....	....	....	Lockmaster.
Paducah	McCracken	516	19	....	....	....	....	....	....	....	1.32	−2.62	0.30	0	8	26	8	3	....	C. J. Rhodes.
Princeton	Caldwell	529	29	70.9	+ 4.1	92	10	45	15	37	3.31	−0.78	2.04	0	6	19	11	1	s.	Dr. W. L. Cash.
Ransey, Lock 2‡	McLean	384	19	....	....	....	....	....	....	....	1.20	−3.04	0.44	0	4	..	....	....	....	Lockmaster.
Russellville	Logan	560	25	67.2	+ 1.5	92[a]	25	40[a]	15	36[a]	1.18	−2.69	0.48	0	3	23	6	2	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	8	....	....	....	....	....	....	....	1.37	....	0.50	0	5	..	....	....	....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	8	....	....	....	....	....	....	....	0.51	....	0.26	0	4	..	....	....	....	Lockmaster.
Anchorage	Jefferson	700	35	66.4	+ 3.0	91	10	38	31	40	1.01	−2.72	0.45	0	3	24	5	2	sw.	C. K. Barret.
Bowling Green	Warren	500	47	72.6	+ 5.1	96	10†	45	15	37	0.89	−3.30	0.50	0	3	22	6	3	s.	Mrs. Lillie G. Causey.
Brownsville, Lock 6	Edmonson	470	19	....	....	....	....	....	....	....	1.36	−2.53	0.61	0	4	..	....	....	....	Lockmaster.
Burnside	Pulaski	705	45	....	....	....	....	....	....	....	2.56	−1.94	1.97	0	6	..	....	....	....	T. A. Lewis
Carrollton, Lock 1	Carroll	480	37	....	....	....	....	....	....	....	0.84	−2.99	0.56	0	3	..	....	....	....	Lockmaster.
Cold Spring, Dam 36	Campbell	489	10	....	....	....	....	....	....	....	1.08	−2.77	0.53	0	4	..	....	....	....	Lockmaster.
Danville	Boyle	540	3	67.5	....	92	10	40	15	40	2.87	−1.38	0.78	0	8	20	6	5	ne.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	8	69.2	+ 4.3	94	10	40	15	41	1.91	−1.56	1.30	0	3	22	8	1	sw.	C. W. Williams.
Eadsville	Wayne	622	....	....	....	....	....	....	....	....	1.79	....	1.34	0	3	..	....	....	....	Lockmaster.
Eubanks	Pulaski	1177	42	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Mrs. Katie Payne.
Frankfort	Franklin	860	41	67.6	+ 2.4	91	9	38	15	44	2.04	−1.24	0.99	0	4	22	7	2	w.	Lockmaster.
Gest, Lock 3	Henry	490	25	....	....	....	....	....	....	....	0.90	−2.46	0.26	0	5	..	....	....	....	Lockmaster.
Glasgow	Barren	740	10	68.3	....	96	10	42	15†	42	1.16	−2.48	0.51	0	3	30	1	0	n.	P. L. Beatty.
Grant, Dam 38	Boone	780	11	....	....	....	....	....	....	....	0.65	−2.45	0.50	0	4	..	....	....	....	Lockmaster.
Greensburg	Green	580	43	68.1	+ 3.6	95	10†	35	15	49	0.60	−3.78	0.30	0	3	14	4	13	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	34	....	....	....	....	....	....	....	1.48	−2.17	1.04	0	5	..	....	....	....	Lockmaster.
Irvington	Breckinridge	646	38	69.1	+ 3.1	90	10	43	15	36	0.52	−3.21	0.20	0	3	25	2	4	sw.	W. J. Pigeot.
Jamestown	Russell	960	..	....	....	....	....	....	....	....	1.90	....	1.30	0	2	..	....	....	....	N. B. Falkenberg.
Lancaster	Garrard	1031	10	....	....	....	....	....	....	....	0.90	−3.45	0.85	0	3	..	....	....	....	Walter Killion.
Leitchfield	Grayson	635	40	69.3	+ 4.0	93	10	43	15	38	0.97	−3.20	0.37	0	3	23	8	0	sw.	H. H. Willis.
Lexington	Fayette	989	52	67.8	+ 3.5	95	9	39	15	41	1.46	−2.35	0.92	0	7	25	3	3	....	U. S. Weather Bureau
LittleHickman, Lock 8	Jessamine	560	25	....	....	....	....	....	....	....	2.36	−1.42	1.60	0	4	..	....	....	....	Lockmaster.
Lockport, Lock 2	Henry	485	26	....	....	....	....	....	....	....	1.46	−2.40	0.40	0	4	..	....	....	....	Lockmaster.
Logansville	Jefferson	459	63	69.4	+ 2.8	92	10	45	14	29	1.08	−2.63	0.34	0	4	19	9	3	sw.	U. S. Weather Bureau
Mammoth Cave	Edmonson	....	....	67.8	....	92	10†	38	15	46	1.36	..	0.45	0	6	21	8	2	s	Ivan J. Ellsworth.
Marrowbone	Cumberland	635	....	....	....	....	....	....	....	....	0.70	....	0.40	0	2	..	....	....	....	G. R. Davis.
Monticello	Wayne	910	....	....	....	....	....	....	....	....	2.01	....	1.31	0	4	18	10	3	....	E. O. Cooper.
st. Joun	Hardin	777	40	68.1	+ 3.9	91	9†	40	31	41	1.58	−2.60	0.42	0	5	28	1	2	....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	620	22	....	....	....	....	....	....	....	0.87	−2.64	0.24	0	4	..	....	....	....	Lockmaster.
Shelbyville	Shelby	825	47	67.4	+ 3.0	91	10	40	15†	39	0.81	−2.99	0.42	0	5	21	4	6	s.	Miss Ruth Katta.
Stearns	McCreary	1400	....	....	....	....	....	....	....	....	1.34	....	0.86	0	6	..	....	....	....	Geo Wright
Taylorsville	Spencer	489	34	66.0	+ 2.0	89	27	37	31	42	1.89	−1.79	0.97	0	5	26	0	5	....	Elizabeth J. Bourne.
Tyrone, Lock 5	Anderson	524	18	....	....	....	....	....	....	....	1.53	−1.95	0.65	0	5	..	....	....	....	Lockmaster.
Williamstown	Grant	943	33	70.2	+ 6.5	96	9†	40	15	40	1.20	−2.44	0.55	0	4	28	1	2	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	19	....	....	....	....	....	....	....	1.77	−1.80	0.84	0	5	..	....	....	....	Lockmaster.
Eastern Division.																				
Annville	Jackson	....	5	....	....	....	....	....	....	....	2.62	....	1.32	0	6	18	7	6	sw.	W. A. Worthington.
Ashland	Boyd	534	17	67.6	+ 3.8	94	10*	39	15	40	1.63	−2.43	0.90	0	5	23	4	4	n.	Lockmaster.
Berea	Madison	1070	31	68.5	+ 3.6	90	26†	42	31	39	4.63	+0.59	1.50	0	7	22	5	4	....	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	26	....	....	....	....	....	....	....	2.99	−0.95	1.99	0	6	..	....	....	....	Lockmaster.
Cynthiana	Harrison	684	18	....	....	....	....	....	....	....	0.76	−2.65	0.30	0	3	..	....	....	....	P. H. Kehoe.
Falmouth	Pendleton	690	47	....	....	....	....	....	....	....	1.13	−2.40	0.33	0	6	..	....	....	....	J. W. Oldham.
Farmers	Rowan	668	28	66.4	+ 3.2	95[b]	10	39[b]	5	43[b]	2.63	−1.89	1.05	0	3	14	12	5	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	11	....	....	....	....	....	....	....	1.53	−2.15	0.84	0	4	..	....	....	....	C. A. Glascock
Ford, Lock 10	Clark	627	20	....	....	....	....	....	....	....	2.47	−0.83	1.78	0	7	..	....	....	....	Lockmaster.
Greenup, Dam 30	Greenup	540	16	....	....	....	....	....	....	....	0.93	−2.88	0.34	0	4	..	....	....	....	Lockmaster.
Harlan	Harlan	1197	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	B. W. Whitfield.
Hazard	Perry	869	12	....	....	....	....	....	....	....	1.66	−3.45	0.47	0	7	..	....	....	....	Chas. O. Lurig.
Heidelberg, Lock 14	Lee	663	19	67.1	....	95	10	38	15†	47	1.15	−2.85	0.60	0	4	22	2	7	e.	Lockmaster.
Jackson	Breathitt	776	....	....	....	....	....	....	....	....	1.00	....	0.75	0	3	..	....	....	....	Jas. T. Goff.
Jenkins	Letcher	1566	12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lexington	Rockcastle	950	....	....	....	....	....	....	....	....	1.2	....	0.75	0	6	21	10	0	....	B. H. Griffin.
Louisa	Lawrence	581	32	....	....	....	....	....	....	....	0.71	−3.15	0.31	0	8	..	....	....	....	Lockmaster.
Manchester	Clay	....	16	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Bennett H. White.
Maysville	Mason	824	39	66.2	+ 1.7	94	10	38	15	42	1.79	−2.42	0.40	0	5	11	18	2	sw	Lockmaster.
Middlesboro	Bell	1128	40	65.4	+ 0.7	89*	10	37*	31	40*	0.43	−3.59	0.23	0	2	21	10	0	....	Matthew Woodson
Mount Sterling	Montgomery	959	46	68.7	+ 5.0	96	10	38	15	41	2.25	−2.03	0.76	0	4	26	5	0	w.	W. R. McKee.
Oneonta, Dam 35	Campbell	497	9	....	....	....	....	....	....	....	0.78	−2.67	0.29	0	7	..	....	....	....	Lockmaster.
Paintsville	Johnson	667	2	....	....	....	....	....	....	....	1.66	....	0.54	0	6	..	....	....	....	Manuel Robinson.
Pikeville	Pike	636	36	69.3	....	96	10	40	15	45	1.11	−2.43	0.63	0	5	21	2	8	....	U. S Weather Bureau.
Pippapass	Knott	1045	2	67.9	....	95	10	39*	15	47*	1.53	....	0.77	0	5	18	12	1	....	Quicy Run Com. Cen.
Quicksand	Breathitt	732	10	66.6	+ 1.8	94*	9†	36*	31	45*	1.75	−3.44	0.91	0	5	..	....	....	....	R. W. Jones.
Ravenna, Lock 12	Estill	631	18	....	....	....	....	....	....	....	1.17	−2.75	0.52	0	6	..	....	....	....	Lockmaster.
Richmond	Madison	926	45	68.8	+ 3.3	92	10†	42	15	31	3.33	+0.71	1.00	0	7	24	4	6	....	J. W. Crooke.
Valley View, Lock 9	Madison	571	23	....	....	....	....	....	....	....	1.58	−2.96	0.64	0	6	..	....	....	....	Lockmaster.
Vanceburg, Dam 32	Lewis	523	21	....	....	....	....	....	....	....	1.54	−2.29	0.61	0	5	..	....	....	....	Lockmaster.
Williamsburg	Whitley	939	39	....	....	92	11	....	....	....	....	....	....	....	....	....	25	4	2	....	H. E. Davis.
Willow Lock 13	Lee	646	17	....	....	....	....	....	....	....	0.93	−2.87	0.70	0	4	..	....	....	....	Lockmaster.
State averages and extremes		....	....	68.3	+ 2.9	96	9†	35	15	49	1.50	−2.49	2.04	0	5	22	6	3	s.	....

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Ransey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, *, †, ‖, appearing in the table indicate number of days missing; for example, b represents two days, etc. ¶ Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.
* 3 to 5 on other dates. †† Received too late to be included in means and summaries.
Post-office addresses: — Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky; Lock 10, Red House Ky.; Oneonta California Ky.

Daily Precipitation for May, 1936.

Stations	Day of month																													T
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Birmingham T												1.47						.52													
Calhoun G	.02									T		.42	.82					.66										T			
Earlington G												1.43	T	.02				.09	T												
Fords Ferry Dam 50 O	T		.02									.41	.89	.02				.26	.42												
Greenville G										.15	.10		.25			T		.83													
Henderson O											1.21	T						.31													
Hopkinsville C		T										1.01	.03	.01				.16	.41												
Lovelaceville M		.29									.30							.30													
Mayfield M		.09							T			.89	.07				.31	.07													
Murray T		.08							T	T		1.48	.12			T		.41													
Owensboro O			T		.04						T	1.10		.02				.26	.26												
Owensboro, Dam 46 O					.01					T	T	1.47	.01					.13	.27												
Paducah O		.11	.02							.30		.23	.24	.12				.08	.22												
Princeton C		.62									1.06	.05	.03				.18	.04													
Ramsey, Lock No. 2 G												.48	.28					.10	.44												
Russellville A												.41	.48						.24												
Uniontown, Dam 49 O	T		.30									.32	.24					.01	.50												
Central Division																																
Addison, Dam 45 O												.19	.08	.01				T	.26												
Anchorage O				T								.27	.15					.29													
Bowling Green G												.56	.08					.04	.28												
Brownsville, Lock No. 6 G												.42	.61					.05	.27												
Burnside C	.33	T	.03									.10	.11	.02					1.07												
Carrollton (Lock No. 1) K												.12	.16						.56												
Cold Spring, Dam 36 O											T		.22	T					.25												
Danville K	.02		.12							.50	.41	.64	.78					.78	.51												
Dix Dam, Bargin K	.24											1.30						.80													
Eadsville C											.34	.71							1.34												
Eubank C																																
Frankfort K		.22	.09									T	.72	T				T	.11												
Franklin G																																
Gest, Lock No. 3 K		.14	.25										.26																		
Glasgow G		.34									.51							.09	.16												
Grant, Dam 33 O		.02	T.																.24												
Greensburg G			.09										.06						.50												
Hiza Bridge, Lock No. 7 K	.05											.12	T	1.04	.03			.21	.30												
Lexington O	T.												.14	.20					.25												
Jamestown C											T	.60						.18													
Lancaster K												.25	.35					1.50													
Leitchfield G		T.										.35	.25				T.	.30													
Lexington *** K	.07												.24	T.				.37													
Little Beckman, Lock No. 8 K	.16								.03	.06			.92				.01	.36	.01												
Lockport, Lock No. 2 K										T			.51			.06		1.66													
Louisville*** O	T.	.31											.24	T.				.20	.40												
Mammoth Cave G		.02										.24	.11					.40													
Marrowbone C												.16	.32				.45	.29	.12												
Monticello C																	.20	.40													
St. John S	.03		.27									.27	.17		.26				1.21												
Salvisa, Lock No 6 K			T.									.42	.32					T.	.34												
Shelbyville S	.06	.07											.24	.24				.15	.24												
Stearns K												T.	.42	.02					.24												
Taylorsville S	.97	.28			.12				T.	.09	.60	.13						.09	.85												
Tyrone, Lock No. 5 K		.04	.52									.13	.39					.12													
Williamstown L		.10											.66	.08					.28									T			
Woodbury, Lock No. 4 G					.03								.45	.10					.57												
Eastern Division												.46	.84					.07	.37												
Annville			.03								.03	.26	.11	.24					1.32												
Ashland O			.3										.45	.21				.04	.90												
Berea K	.54										.02	1.20	1.41	.50				.79	.34												
College Hill, Lock No. 11 K		.25									T.	.15	.25	.84				1.90													
Cynthiana L													.26	.20														10			
Falmouth L	T.	.06	.18									.27		.24	.05				.33								.30				
Farmers L													.51	.43					1.09												
Flemingsburg L													.80	.19				.17	.39									T			
Ford, Lock No. 10 K	.20	.03	T.								.07	.10	.42	.02					1.75												
Greenup, Dam 30 O													.23	.34				.03	.23												
Harlan C																																
Hazard K			.19	.06							.03	.35	.16	.28					.47												
Heidelberg, Lock No. 14 K			.05								T.	.40	.08	T					.80												
Jackson K				T.								.20		.05					.75												
Jenkins B																																
Livingston C	.12	.02										.20		.16	.03			.75													
Louisa B														.29	.34																
Manchester K																												.08			
Maysville O			.18								T	T.	.40	.22				.02	.10												
Middlesboro C													.20						.23												
Mount Sterling		.23									T	T.	.65					.59	.76												
Oneonta Dam 25 O	T.	.04	.21								.10		.04	.01					.22												
Paintsville B			.03	.04									.54	.27					.52								.09	T.			
Pikeville B			.63								T.	.03	.66	.09					.36										.16		
Pippapass K											.77	.01	.07	.28					.40												
Quicksand K			.10									.14	.32	.23					.91												
Ravenna, Lock No. 12 K	T.	.08									T.	.22	.18	.12					.52										.05		
Richmond K	1.00		.15								.08	.80	.30	.20					.80												
Valley View, Lock No. 9 K		.04									.46	.08	.66					.03	.64												
Vanceburg, Dam No. 32 O												.19	.42	.04				.04	.25												
Williamsburg C																																
Willow, Lock No. 13 K		.06										.11	.06						.70												

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

(Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ▼ Precipitation included in the next following measurement.

& Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Daily Temperatures for May, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Calhoun	Maximum	80	80	70	70	78	81	81	84	81	79	79	78	76	65	74	83	82	78	76	75	78	83	83	88	87	87	84	84	70	75	82	79.0
	Minimum	64	67	55	46	54	60	63	60	61	62	61	62	61	46	44	45	59	65	56	55	53	61	60	58	60	60	63	63	48	49	47	57.1
Earlington	Maximum	88	81	77	74	86	89	88	90	90	91	90	82	80	73	80	87	89	77	80	84	89	89	89	91	92	92	91	88	78	79	85	85.1
	Minimum	65	69	55	43	49	61	64	63	62	61	62	62	62	46	40	45	58	66	53	52	54	61	60	57	58	58	66	64	50	47	45	56.7
Greenville	Maximum	83	79	73	65	76	84	84	84	83	79	73	79	79	67	75	83	78	78	67	78	81	77	70	74	83	80	87	70	72	77	78	77.3
	Minimum	62	62	52	43	48	53	57	54	54	58	57	60	60	43	41	43	58	62	53	51	54	56	59	63	54	56	59	63	46	48	44	53.6
Henderson	Maximum	85	80	62	68	81	87	85	89	90	92	88	72	78	67	71	79	88	76	82	80	87	84	87	92	91	94	90	82	83	85	72	82.2
	Minimum	69	63	55	44	54	61	60	62	64	61	54	65	69	44	49	54	58	63	58	56	55	66	71	71	70	69	64	60	46	62	57	56.4
Hopkinsville	Maximum	86	79	74	74	84	89	87	89	91	90	91	80	79	72	80	88	89	78	81	85	88	88	87	89	91	89	90	86	79	79	84	84.3
	Minimum	61	65	54	42	49	57	61	58	58	61	58	61	60	45	41	46	59	63	54	53	57	59	59	55	57	59	60	64	48	49	46	55.4
Lovelaceville	Maximum	84	77	73	73	84	87	85	87	88	88	83	82	78	72	75	85	87	80	82	80	85	85	86	88	90	88	90	86	78	80	83	82.8
	Minimum	62	66	47	40	48	54	56	62	52	61	56	57	55	46	39	46	53	62	52	50	50	60	57	54	55	57	59	63	46	43	43	53.5
Mayfield	Maximum	86	81	74	73	85	89	87	89	89	88	86	86	81	76	77	87	88	77	82	83	84	88	87	90	91	88	91	85	88	79	86	84.7
	Minimum	63	61	57	45	50	61	62	64	62	62	62	62	62	42	45	52	59	63	54	56	57	63	65	62	61	61	67	49	49	51	57.4
Murray	Maximum	90	80	71	73	85	91	90	92	92	92	91	83	78	70	78	88	91	85	79	85	92	90	89	91	92	90	91	84	78	78	85	85.3
	Minimum	60	65	54	40	47	53	55	53	57	61	66	62	57	46	40	45	54	65	55	49	54	55	57	54	53	57	61	61	49	48	43	54.0
Owensboro	Maximum	88	82	73	71	80	86	86	87	89	89	87	81	78	73	75	83	87	81	78	75	85	85	85	87	89	89	90	86	78	78	81	82.4
	Minimum	59	62	52	45	54	58	59	57	58	58	58	60	59	45	46	45	47	63	53	55	56	59	59	56	56	57	59	62	47	48	42	54.6
Princeton	Maximum	89	81	70	76	87	90	88	90	90	91	90	82	80	76	80	88	89	76	80	83	87	87	88	91	91	88	90	85	81	79	84	84.6
	Minimum	63	66	54	46	50	57	57	58	60	62	62	62	61	56	45	48	58	65	55	54	58	61	60	57	59	61	62	62	49	60	47	57.2
Russellville§§	Maximum	88	82	69	70	81	88	87	88	90	91	90	88	82	69	76	76	..	88	83	77	80	87	87	89	92	90	90	90	80	76	78	81	°79.8
	Minimum	62	64	55	43	48	55	61	57	58	60	56	61	59	45	40	46	..	60	57	51	57	59	59	56	54	58	57	62	48	48	44	°54.6
Central Division.																																	
Anchorage	Maximum	84	80	65	65	74	86	87	86	89	91	87	76	75	66	71	78	86	75	76	74	80	85	84	86	85	86	88	78	72	74	78	79.5
	Minimum	58	63	54	40	46	54	56	56	56	56	56	63	58	46	40	42	62	60	60	52	52	55	52	58	54	56	59	56	42	42	38	53.2
Bowling Green	Maximum	87	85	78	78	85	92	90	93	95	96	94	85	82	74	83	92	93	82	83	85	88	93	93	94	96	90	95	86	82	83	87	87.7
	Minimum	62	62	60	47	53	56	60	57	59	63	61	63	62	49	45	51	68	65	60	56	60	58	60	58	59	61	62	58	52	52	50	57.6
Danville	Maximum	85	82	74	67	75	84	86	87	89	92	89	81	78	70	74	83	85	78	80	83	85	87	86	87	89	87	88	83	78	78	81	83.5
	Minimum	61	61	59	45	44	54	55	56	58	59	64	60	58	45	40	43	55	60	59	51	50	52	57	54	55	56	65	54	44	48	45	53.5
Dix Dam	Maximum	84	84	78	79	75	86	87	89	93	94	91	90	79	75	75	84	89	85	77	78	80	82	88	90	92	90	90	88	74	72	80	83.6
	Minimum	61	62	60	47	45	47	56	55	56	61	58	65	63	54	40	43	55	64	60	51	51	55	55	56	57	59	59	56	46	52	43	54.7
Eubank	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Frankfort	Maximum	83	80	77	69	75	80	89	89	94	93	92	84	81	69	76	82	89	83	81	76	82	89	88	89	91	92	92	82	76	75	82	83.4
	Minimum	55	58	58	45	45	46	53	53	54	56	57	63	61	46	38	42	51	63	57	51	47	51	51	72	65	65	59	52	43	45	38	51.7
Franklin	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Glasgow	Maximum	76	72	72	68	65	83	79	85	90	96	81	71	74	73	73	88	92	75	79	82	88	91	92	91	95	94	93	82	78	78	88	82.2
	Minimum	49	60	55	45	48	56	59	54	60	65	60	57	61	48	42	48	57	60	59	54	55	58	55	53	53	57	56	63	47	50	42	54.4
Greensburg	Maximum	87	81	76	74	81	87	89	90	93	95	93	82	81	74	81	89	92	85	82	80	85	88	90	92	95	93	94	89	80	83	84	85.9
	Minimum	55	58	57	39	43	48	57	50	52	54	54	62	60	44	35	40	52	57	58	48	46	51	49	50	50	54	54	60	41	45	37	50.3
Irvington	Maximum	84	79	74	71	77	86	87	86	89	90	86	79	76	64	73	81	87	78	77	79	83	86	86	87	88	84	88	84	73	74	80	81.3
	Minimum	65	68	56	46	51	61	66	61	59	60	60	61	61	46	43	45	61	61	58	55	57	57	58	64	58	59	59	64	50	49	44	56.9
Leitchfield	Maximum	85	80	72	72	79	87	87	87	91	93	88	80	77	66	76	83	88	78	78	78	85	87	87	86	87	90	90	89	79	76	79	82.3
	Minimum	63	65	56	45	50	58	63	56	58	60	60	61	60	46	43	45	62	64	59	55	53	57	60	60	60	59	63	62	47	48	44	56.3
Lexington	Maximum	82	77	70	66	74	89	88	90	95	95	88	78	77	62	75	85	90	80	74	75	85	89	91	89	90	90	89	74	73	79	81	81.8
	Minimum	60	60	49	44	44	53	59	58	58	61	60	64	60	43	38	44	61	61	57	51	51	55	59	57	58	60	62	51	46	47	42	53.8
Louisville	Maximum	85	78	65	66	76	86	86	87	90	92	88	78	76	65	74	81	87	74	76	76	82	87	85	87	87	87	87	83	77	77	80	80.3
	Minimum	64	64	52	47	54	59	66	66	63	65	65	62	61	45	46	52	61	62	60	57	55	61	63	63	63	67	65	68	58	60	51	58.6
Mammoth Cave	Maximum	85	81	75	69	82	87	86	87	90	92	89	82	79	71	78	87	87	79	79	80	86	88	89	89	89	89	92	72	76	81	82.6
	Minimum	63	65	50	41	46	53	73	54	75	52	55	61	60	46	38	41	56	61	60	49	55	55	57	54	53	51	55	60	42	46	39	54.1
St. John	Maximum	83	84	75	75	78	87	85	86	91	89	90	85	80	68	75	82	86	77	78	77	84	86	10	87	90	90	91	80	79	76	81	82.8
	Minimum	59	65	50	44	48	55	60	55	56	59	57	60	60	46	41	44	47	63	57	53	52	55	55	54	55	57	59	58	45	48	40	53.4
Shelbyville	Maximum	78	80	70	63	75	85	83	88	90	91	90	79	78	65	76	83	88	74	76	78	84	87	86	90	90	89	89	78	73	72	79	80.5
	Minimum	59	61	56	44	47	54	59	58	58	61	59	63	60	45	40	45	59	64	56	52	50	57	57	56	60	59	60	55	47	47	40	54.2
Taylorsville	Maximum	86	79	73	65	74	82	85	85	87	88	86	79	77	66	73	79	87	77	77	75	81	85	85	86	88	86	89	75	75	73	79	79.9
	Minimum	57	59	56	45	47	51	54	52	54	57	57	63	60	46	38	41	58	63	56	53	50	51	56	56	57	57	52	43	46	37	40	52.0
Williamstown	Maximum	85	81	78	65	79	88	91	91	96	96	95	91	81	70	78	83	91	87	80	79	85	92	91	92	90	92	93	86	76	76	84	85.2
	Minimum	61	63	57	44	45	50	62	61	63	66	63	65	60	42	40	47	57	66	54	49	48	53	60	61	63	66	64	56	46	45	44	55.2
Eastern Division.																																	
Ashland	Maximum	85	89	74	67	73	84	91	91	92	93	93	88	82	83	77	80	90	85	80	74	80	84	88	90	86	91	89	83	68	72	79	83.2
	Minimum	59	61	59	50	41	44	52	52	57	57	57	66	62	47	39	42	52	64	62	50	53	52	55	55	60	56	61	51	43	48	47	53.1
Berea	Maximum	86	88	79	70	73	86	88	84	87	84	84	84	70	70	76	87	89	80	77	76	80	85	87	88	90	92	95	90	70	76	78	82.1
	Minimum	62	65	59	46	48	52	61	59	57	60	60	65	63	44	37	43	54	57	63	60	61	62	57	61	58	57	58	59	45	45	42	54.9
Farmers	Maximum	84	87	74	71	76	83	91	..	88	95	92	82	79	68	..	83	89	83	78	76	82	88	87	87	89	89	89	88	69	72	79	182.8
	Minimum	66	54	54	41	39	40	51	..	47	54	59	65	59	43	..	53	46	66	66	44	45	49	40	47	53	52	54	47	30	41	48	19.5
Harlan§§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Hodgenberg	Maximum	86	86	76	71	78	88	90	90	94	98	89	77	80	73	79	85	91	85	79	77	84	87	87	88	90	90	90	79	74	74	80	83.9
	Minimum	57	59	55	45	43	41	48	51	52	55	60	62	61	42	38	43	50	60	61	50	47	49	50	49	60	55	55	56	43	42	38	50.6
Maysville	Maximum	84	86	69	68	75	83	87	83	88	92	94	93	84	79	69	75	83	85	78	75	71	78	88	88	85	88	88	82	73	71	71	79	80.3
	Minimum	57	59	56	46	41	42	51	54	58	57	64	64	57	44	38	41	48	62	59	45	42	48	52	57	62	56	60	48	41	41	39	54.8
Middlesboro	Maximum	83	82	69	74	76	80	84	..	88	89	88	81	70	66	76	82	85	77	76	78	82	81	72	87	86	83	79	69	69	69	77	°78.9
	Minimum	58	63	57	46	44	42	56	..	51	54	59	63	61	54	45	50	62	59	62	49	49	51	58	49	52	56	61	42	41	37	37	°51.9
Mount Sterling	Maximum	81	79	73	76	80	86	88	91	94	96	93	82	80	68	76	86	91	82	78	81	82	87	88	89	90	90	90	79	75	73	80	83.5
	Minimum	57	56	56	46	48	42	59	68	61	58	61	66	60	42	38	40	58	66	58	55	52	56	51	66	54	56	57	58	53	51	45	53.9
Pikeville	Maximum	90	91	82	73	79	88	92	93	94	96	95	86	86	69	81	87	94	89	82	82	86	90	89	90	92	92	91	78	79	72	82	85.9
	Minimum	57	65	58	45	47	43	50	54	56	59	62	61	52	40	47	52	61	62	59	48	52	59	52	51	57	56	60	42	41	42	42	52.7
Pippapass	Maximum	89	89	85	76	77	87	90	91	94	95	93	83	84	68	79	87	91	86	81	80	87	88	89	89	91	91	90	81	78	72	81	85.1
	Minimum	56	54	56	52	42	40	49	52	54	54	57	58	58	49	39	46	51	59	60	46	46	49	46	51	52	54	55	58	40	39	..	°50.7
Quicksand	Maximum	86	87	82	74	79	90	89	92	94	94	78	83	87	80	88	88	90	86	85	88	86	92	90	90	90	90	90	79	74	75	86	°84.3
	Minimum	54	54	57	46	41	40	46	50	52	53	57	61	55	47	37	43	49	58	60	48	45	48	46	48	47	55	..	51	41	40	36	°48.8
Richmond	Maximum	85	85	82	72	72	77	85	88	90	92	90	75	75	67	74	80	87	80	76	77	80	85	88	88	88	92	90	90	..	79	74	75	86	°83.3
	Minimum	64	62	60	45	45	53	64	63	60	64	65	63	60	46	42	48	58	64	58	53	52	58	60	62	60	60	62	57	47	50	46	56.4
Williamsburg	Maximum	84	87	81	88	79	81	85	87	90	89	92	82	80	81	76	84	88	84	78	76	83	85	86	87	86	90	91	85	82	86	91	85.0
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

° etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 6-26-36, 410c

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

THE LIBRARY OF THE
JUL 31 1936
UNIVERSITY OF

J. L. KENDALL.

VOL. XLI LOUISVILLE, KY., JUNE, 1936 No. 6

GENERAL SUMMARY.

The month was the driest of the name on record, and probably the most disastrous in its effect on crops. At its beginning the dry weather had already begun to affect growth. Much of the State received only negligible amounts of rain, which merely moistened the surface or dried up within a day. On the thin uplands corn was curling in the noonday heat by the middle of the month, and similar evidence of distress had appeared in corn on the best lands by the close. Because of its excellent state of cultivation the earlier portion of the crop exhibited unusual resistance as the drought increased. Late plantings came up imperfectly or failed to germinate. Cool nights and temperatures below normal in brief periods aided vegetation in its resistance to injury.

There was never sufficient rain over any large area of the hilly district to set tobacco with the assurance that it would survive. As a result very little tobacco was put out in the hills. Where machines could be used transplanting continued until late in the month, with chances of obtaining a stand becoming more uncertain. Plants died slowly as their water supply evaporated. Attempts to replant exhausted the beds and met with the same result. At the end of the month tobacco was merely standing, without growth of consequence.

Wheat and barley ripened perfectly and were harvested in excellent condition. The threshed grain weighed unusually heavy. Oats and potatoes almost completely failed. Young clover died out as the month advanced, and lespedeza barely survived. Alfalfa withstood the drought better than other crops. Pastures failed about the middle of the month, and milk production fell off decidedly. Feeding of dairy cattle on a winter basis became necessary. Small streams dried up and water supplies for livestock dwindled seriously.

Gardens produced practically no vegetables. Field tomatoes merely stood without growing. Crop conditions at the end of the month were regarded as worse than at this date in any previous dry spell of record.

TEMPERATURE.

Short periods of cool weather occurred in the first and second weeks, and also near the end, otherwise daily temperatures ranged from 5° to 10° above normal. The contrast between day and night resembled conditions in semi-arid regions. While night temperatures averaged near or slightly below normal, day temperatures were 4° to 6° above normal. A wave of heat in the last four days lifted maxima to record heights on the 29th, when they ranged from 100° to 110° in most of the State. The highest was 110° at St. John on the 29th and the lowest 40° at Quicksand on the 1st.

PRECIPITATION.

Precipitation averaged near 2¼ per cent of the normal and set a new record for this month. It occurred as local showers, distributed in scattering fashion through the periods 4-12th, 17-18th, 21st-23d, and 28th-31st. A limited area in Lewis County, also in Clay and Knox counties, received 3.0 to 4.0 inches. From 1.0 to 2.0 inches occurred over most of the southeastern mountain district, and in some localities in the western division. Most of the State received less than 1.0 inch, and about half of the main agricultural section 0.5 inch, or less. The range was 0.01 in a trace at Mt. Sterling and 4.88 inches at Barbourville. Days with thunderstorms were: 2, 3, 6, 7, 10, 17, 18, 22, 23, 30.

MISCELLANEOUS.

June 30.—Forest fires raged in many places in the timber of the mountain counties. A windstorm at Paducah caused a fire loss of $50,000. Wind caused damage to chimneys, signs, awnings, and trees at Hopkinsville, Maysland and Catlettsburg. Damage by hail occurred at Morehead and Olive Hill.

Rivers.—The flow diminished in all streams. Headwater tributaries reached very low stages and a considerable proportion of creeks in uplands ceased to flow.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Average hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 7 a. m.	12 noon	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.95	30.14	25	29.76	1	8.4	27	w.	7	72	44	46	68
Cincinnati ..... Ohio	29.92	30.21	22	29.52	1	7.6	26	w.	30	64	41	46	63
Evansville ..... Ind.	29.92	30.23	22	29.51	1	9.0	37	sw.	30	75	38	37	76
Louisville ..... Ky.	29.93	30.21	22	29.56	1	10.3	36	sw.	7	58	35	37	82

COMPARATIVE DATA FOR JUNE.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation. Average.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	70.6	99	38	5.27	..	..	..	..	..
1890	75.4	101	51	4.96	..	..	..	..	..
1891	77.1	97	51	4.48	..	..	..	..	..
1892	75.8	101	48	4.23	..	..	..	..	..
1893	73.3	97	48	4.64	..	..	..	..	..
1894	75.6	102	55	2.69	..	..	..	..	..
1895	75.9	103	47	3.65	0	10	15	10	5
1896	73.5	98	46	4.64	0	10	11	12	7
1897	73.4	101	41	3.61	0	9	14	12	4
1898	76.2	101	45	3.90	0	9	15	12	3
1899	76.1	100	44	2.80	0	8	15	10	5
1900	73.9	100	40	6.14	0	14	7	12	0
1901	75.6	104	52	3.57	0	9	15	9	16
1902	73.4	101	50	4.75	0	11	13	9	8
1903	68.6	96	37	3.61	0	10	14	8	8
1904	73.2	99	48	3.14	0	11	14	10	6
1905	74.8	106	45	4.49	0	10	16	6	8
1906	73.9	99	42	4.53	0	11	14	8	8
1907	70.2	95	41	4.21	0	11	12	9	9
1908	73.4	102	43	4.26	0	7	17	8	5
1909	74.5	99	43	5.03	0	14	10	11	9
1910	70.6	99	36	5.20	0	10	15	8	7
1911	75.2	106	45	4.06	0	10	17	7	7
1912	70.2	95	38	3.48	0	10	13	8	9
1913	75.0	107	38	2.87	0	7	19	6	5
1914	78.3	108	45	2.30	0	5	18	8	4
1915	71.7	95	42	4.79	0	12	12	10	8
1916	70.1	99	35	4.84	0	11	13	10	7
1917	70.9	100	39	4.30	0	10	15	9	6
1918	73.6	104	37	3.63	0	8	16	8	6
1919	76.7	103	51	4.09	0	10	14	10	6
1920	71.9	100	44	3.12	0	7	17	6	7
1921	77.8	100	46	2.90	0	8	14	11	5
1922	75.4	100	44	3.10	0	9	14	10	6
1923	75.8	99	42	4.59	0	9	16	8	6
1924	74.2	99	42	4.29	0	12	13	10	7
1925	77.0	105	48	3.00	0	7	16	8	6
1926	70.9	98	42	3.45	0	8	15	9	7
1927	70.4	98	42	4.13	0	11	14	8	3
1928	69.5	93	45	10.88	0	18	7	10	1
1929	71.7	97	37	4.11	0	9	17	7	6
1930	73.1	104	38	1.76	0	6	19	7	4
1931	75.3	106	39	2.80	0	8	17	8	5
1932	74.8	103	40	4.88	0	11	13	10	7
1933	76.5	105	39	1.87	0	4	21	9	7
1934	77.4	105	50	4.58	0	6	27	2	1
1935	76.6	96	44	7.50	0	14	11	10	9
1936	76.1	110	40	6.81	0	13	21	6	3
Period	73.8	110	35	4.12	0	10	14	9	7

Climatological Data for June, 1936.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (melted).	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Birmingham	Marshall										0.82		0.57	0	3					Tennessee Valley Authority.
Calhoun	McLean	457	32	75.8	+ 0.7	103	29	52	4	38	0.54	−3.32	0.36	0	3	15	14	1	sw.	W. A. Taylor.
Earlington	Hopkins	620	46	77.0	+ 2.1	105	29	51	13	42	0.29	−3.53	0.27	0	2	26	1	3	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	7								0.66		0.44	0	2					Lockmaster.
Greenville	Muhlenburg	519	19					49	1	44	1.05	−3.11	0.55	0	4	24	5	1	s.	C. R. Lovell.
Henderson	Henderson	382	22	80.4		107	28	51	4	35	1.47	−2.40	0.80	0	3					Richard Stites
Hopkinsville	Christian	624	40	77.8	+ 2.4	104	28	51	1	43	1.01	−3.46	0.34	0	6	14	6	10	n.	W. E. Graves.
Lovelaceville	Ballard		7	76.8		105	18	50	24	44	2.10		1.25	0	3	22	7	1	ne.	Blaine Malone.
Mayfield	Graves	364	27	78.8	+ 3.3	103	19	55	15	38	1.04	2.76	0.70	0	3	22	7	1	ne.	Mrs. Joe Payne.
Murray	Calloway	412	10	76.8	+ 3.2	103	20	48	11	45	1.29	−3.47	0.53	0	4	21	7	2	s.	Harry B. Arnold
Owensboro	Daviess	479	39	76.6	+ 2.5	105	29	51	25	39	0.36	−3.55	0.18	0	2	26	2	2	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	3								0.40		0.20	0	3					Lockmaster.
Paducah	McCracken	516	19								0.41	−3.81	0.11	0	1	19	9	2		C. J. Rhodes.
Princeton	Caldwell	529	29	76.4	+ 1.1	105	29	52	1	40	1.24	−2.86	0.65	0	5	15	14	1	n.	Dr. W. L. Cash.
Rumsey, Lock 2	McLean	384	19								0.54	−3.07	0.36	0	3					Lockmaster.
Russellville	Logan	590	25	77.2	+ 2.6	105	29	49	25	43	0.14	3.50	0.13	0	2	25	3	1	n.	Wm. Shelton.
Uniontown, Dam 49	Union	357	5								0.96		0.50	0	3					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	5								0.58		0.26	0	4					Lockmaster.
Anchorage	Jefferson	700	35	73.9	+ 1.8	103	29	47	25	45	0.69	3.58	0.04	0	3	19	10	1	nw.	C. S. Barret.
Bowling Green	Warren	500	47	80.4	+ 4.4	108	29	53	1	43	0.12	−3.94	0.09	0	3					Mrs. Lillie G. Causey.
Brownsville, Lock 6	Edmonson	410	19								0.85	−3.89	0.70	0	3	28	2	0	n.	Lockmaster.
Burnside	Pulaski	705	45								0.45	−3.74	0.30	0	3					T. A. Lewis
Carrollton, Lock 1	Carroll	480	37								0.31	−3.67	0.20	0	2					Lockmaster.
Cold Spring, Dam 36	Campbell	489	10								0.61	−3.46	0.20	0	4					Lockmaster.
Danville	Boyle	540	3	76.2		107	29	48	25	42	0.47	−3.44	0.39	0	2	25	3	2	sw.	E. P. Goldiron.
Dix Dam, Burgin	Mercer	770	8	77.2	+ 3.8	105	29	50	25	41	0.42	−3.92	0.30	0	2	20	6	4	sw.	C. W. Williams.
Eadsville	Wayne	622									0.63		0.29		2					Lockmaster.
Eubanks	Pulaski	1177	42																	Mrs. Katie Payne.
Frankfort	Franklin	560	44	75.6	+ 1.9	106	29	46	1	46	0.22	−8.89	0.18	0	3	24	5	1	w.	Lockmaster.
Gest, Lock 3	Henry	490	25								0.81	−3.20	0.55	0	2					Lockmaster.
Glasgow	Barren	780	10	78.0		108	29	48	1	44	0.67	−2.95	0.40	0	3	28	2	0	n.	P. L. Beatty.
Grant, Dam 38	Boone	780	11								0.10	−3.65	0.10	0	1					Lockmaster.
Greensburg	Green	581	43	75.8	+ 2.1	107	29	45	25	47	1.72	−2.71	0.83	0	4	11	5	14	n.	Mrs. Bettie K. H. Alcorn
High Bridge, Lock 7	Jessamine	544	34								0.54	−3.50	0.35	0	5					Lockmaster.
Irvington	Breckinridge	646	38	77.2	+ 3.2	104	29	53	4†	34	0.40	−3.55	0.25	0	3	22	6	2	sw.	W. J. Pigott.
Jamestown	Russell	960									1.04		0.47	0	4	22	7	1	n.	N. B. Falkenberg.
Lancaster	Garrard	1032	10								0.37	−4.89	0.22	0	3					Walter Killion.
Leitchfield	Grayson	635	40	76.8	+ 3.5	105	29	52	25	39	0.67	−3.42	0.42	0	3	20	9	1	sw.	H. H. Willis.
Lexington	Fayette	869	52	76.0	+ 3.8	104	29	53	1	40	1.18	−2.87	1.07	0	4	22	8	0		U. S. Weather Bureau
Little Hickman, Lock 8	Jessamine	560	25								0.60	−3.74	0.60	0	1					Lockmaster.
Lockport, Lock 2	Henry	485	26								0.15	−4.28	0.10	0	2					Lockmaster.
Louisville	Jefferson	459	65	78.6	+ 1.9	102	29	53	4	33	0.36	−3.47	0.14	0	5	22	3	5	n.	U. S. Weather Bureau.
Mammoth Cave	Edmonson			76.1		105	29	46	1†	49	0.65		0.26	0	5	26	2	2	ne.	Ivan J. Ellsworth.
Marrowbone	Cumberland	635									1.76		1.00	0	3					G. R. Davis.
Monticello	Wayne	930									0.59		0.31	0	4	27	2	1		E. O. Cooper.
Mt. Sinai	Hardin	777	40	77.4	+ 4.8	110	29	48	1	44	0.25	−4.01	0.20	0	2	28	1	1		Sisters of Loretto.
Salvisa, Lock 8	Mercer	520	22								0.70	−3.72	0.50	0	2					Lockmaster.
Shelbyville	Shelby	805	47	75.8	+ 2.5	107	29	51	25	43	0.02	−3.99	0.02	0	1	15	2	13	s.	Miss Ruth Ratlia,
Stearns	McCreary	1109									0.41		0.15	0	3					Geo. Wright
Taylorsville	Spencer	549	34	73.6	+ 1.0	104	29	41	1	44	0.14	−4.13	0.10	0	2	27	2	1		Elizabeth J. Bourne.
Tyrone, Lock 5	Anderson	524	18								0.29	−4.28	0.20	0	2					Lockmaster.
Williamstown	Grant	943	33	78.0	+ 5.8	107	29	52	6	43	0.31	−3.32	0.21	0	2	28	2	0	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	19								0.27	−4.13	0.16	0	2					Lockmaster.
Eastern Division.																				
Annville	Jackson		5								1.73		0.69	0	4	10	10	1	sw.	W. A. Worthington.
Ashland	Boyd	534	17	74.8	+ 1.5	102	17	49	25	42	0.71	−3.51	0.46	0	3	22	1	7	n.	Lockmaster.
Bellsmarville	Knox										4.88		2.05	0	4					Mrs. Ralph Tuggle.
Berea	Madison	1070	31	74.8	+ 1.9	101	29	42	1	44	1.47	−3.03	0.92	0	3	17	13	0	w.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	26								0.19	−3.92	0.15	0	2					Lockmaster.
Cynthiana	Harrison	684	18								0.47	−2.89	0.42	0	3					P. H. Kehoe.
Falmouth	Pendleton	600	47								0.77	−3.31	0.35	0	4					J. V. Gotham.
Farmers	Rowan	668	28	72.6	+ 1.8	104b	29	43b	25	47b	0.55	−3.76	0.24	0	4	11	18	1	e.	Mrs. R. F. Stamper
Flemingsburg	Fleming	841	11								0.32	−4.01	1.27	0	2					C. A. Glascock
Ford, Lock 10	Clark	647	20								0.84	−3.17	0.73	0	2					Lockmaster.
Greenup, Dam 30	Greenup	550	16								0.86	−2.88	0.67	0	5					Lockmaster.
Harlan	Harlan	1197	8	76.0		104	29	47	1	38	0.50		0.31	0	2	23	7	0		B. W. Whitfield.
Harlem	Perry	869	12								1.72	−1.70	0.68	0	7					Chas. O. Lentz.
Hazard	Perry	1195	12								0.85	−3.33	0.60	0	4	14	7	9	sw.	Lockmaster.
Heidelberg, Lock 14	Lee	663	19	74.4		104	29	42	1	44	1.59		0.63	0	3					Jas. T. Goff.
Jackson	Breathitt	778									1.83		0.72	0	5	21	6	3		Lockmaster.
Lancaster	Rockcastle	950									0.66	−4.10	0.46	0	3					B. H. Griffin.
Louisa	Lawrence	584	32								1.10	−2.93	0.49	0	5	10	16	4		Lockmaster.
Maysville	Mason		16	73.2	+ 0.3	101	29	47	5	19	0.27	−4.35	0.27	0	1	18	12	0		Garnett H. White.
Middlesboro	Bell	524	35	71.9	− 0.5	99c	28	41c	1	41c	T.	−4.65	T.	0	0	25	5	0	w.	Lockmaster.
Mount Sterling	Montgomery	1128	40	75.0	+ 3.1	103	29	48	1†	36	3.18		2.00	0	3					Matthew Woodson
Oneidar	Clay	930	46								0.43	−3.87	0.34	0	2				w.	W. R. McKee.
Owenton	Campbell	497	9								1.58		0.81	0	4					Lockmaster.
Owingsville	Johnson	567	2								1.76	−2.34	0.72	0	8	15	12	3		Manuel Robinson.
Pikeville	Pike	636	30	75.0		101	17	43	1	49	1.59		0.52	0	8	13	14	3		U. S Weather Bureau.
Pineapass	Knott	1035	2	74.8		104f	29	45f	1	45f	0.75	−3.32	0.45	0	2					Caney Run Com. Cen.
Quicksand	Breathitt	732	10	74.2	+ 2.1	103	29	40	1	48	0.49	−4.02	0.22	0	3					R. W. Jones.
Rockcastle, Lock 12	Estill	691	18								0.17	−3.91	0.12	0	2	25	0	5		Lockmaster.
Richmond	Madison	925	45	76.4	+ 2.9	102	30	53	5	31	1.22	−3.48	0.94	0	3					J. W. Crooke.
Valley View, Lock 9	Madison	571	23								3.29	−0.75	1.69	0	4					Lockmaster.
Vanceburg, Dam 32	Lewis	525	21								1.68	−2.90	1.68	0	1	17	9	4		Lockmaster.
Williamsburg	Whitley	939	39	75.4	+ 1.5	105	29	46	25	44	0.57	−3.78	0.52	0	2					H. C. Davis.
Wilson, Lock 13	Lee	616	17								0.81	−3.31	2.06	0	3	21	6	3		Lockmaster.
State averages and extremes				76.1	+ 2.2	110	29	40	1	49										

A dash (—) indicates data are taken from self-registering thermometers.
Two decimals (.00) from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. †‡ Received too late to be included in means and summaries.
¶ Post office addresses: —Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 11, Red House Ky.;
Oneonta, California, Ky.

‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
T Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.

Daily Precipitation for June, 1936.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Western Division																															
Birmingham T				.10			.15																								
Calhoun G			.36				T											T				.15									
Carlington G			.02				T																								
Fords Ferry Dam 50 O			.22				T	T															.27								
Greenville G			.16				.25																.44								
Henderson O			.36																			.13									
Hopkinsville C			.05	.05			.08	.23			.26										.31										
Lawrenceville M	.10																						.24								
Mayfield M			.14	T		T	T														.70										
Murray T			.26			.18																.70									
Owensboro O			.18																			.38	.32								
Owensboro, Dam 46 O			.20				.05															.18									
Padueah O			T				T	T															.19								
Princeton G			.05				.02			.08													.41								
Ramsey, Lock No. 2 G			.36	T			.03															.47									
Russellville G				.01																			.17								
Uniontown, Dam 49 O			.50				.02																.13								
Central Division																							.44								
Addison, Dam 45 O			.17				.20																								
Anchorage O			T				.02											.04				.04	.17								
Bowling Green G				.04																											
Brownsville, Lock No. 6 G				.19				.11															.03								
Burnside C				.10			T	.30				T						.05				T	.05								
Carrollton (Lock No. 1) K							.11				.20																				
Cold Spring, Dam 36 O			.12				.06	T			.03							.20													
Danville K			T				.33																								
Dix Dam, Burgin K						.30																									
Eadsville C				.29			.26																								
Eubank K																															
Frankfort K				T			.01	.03																							
Gest, Lock No. 3 K							.55	.26										.18													
Glasgow G		.40																													
Grant, Dam 38 O				.10								T										.02									
Greensburg K		.02		.82			.30	.59														T									
High Bridge, Lock No. 7 K		.04					.35	.07				.03						.65													
Irvington O		T					.11																								
Jamestown C			.47				.19	.05														.07									
Lancaster K		.06	.22																												
Litchfield G							.17																								
Lexington *** K							1.66	.01			.04											.08									
Little Rockman, Lock No. 8 K							.60																								
Lockport, Lock No. 2 K		T					.05	.10																							
Louisville*** O	.06	.08					.05																								
Mammoth Cave G		.05	.06				.21															.05									
Marrowbone C											.50							.25													
Monticello C		.18					.02	.08										.31													
St. John S								.05			.20																				
Salvisa, Lock No 6 K							.50	.20																							
Shelbyville S		T					.02											T													
Stearns K		T					.14			.12																					
Taylorsville S							.10																								
Tyrone, Lock No. 5 K			T				.20	.09										T													
Williamstown L							.10											21													
Woodbury, Lock No. 4 G								.16														T	.11								
Eastern Division																															
Annville				.49				.54	T	T	.69							.01													
Ashland O			T				.46											.24													
Barbourville C							1.15			2.06											.62										
Berea K			T				.80			.92	T																				
College Hill, Lock No. 11 K							.15	.04																							
Cynthiana L						.42	T	.35			.01	.06						.35													
Falmouth L								.18										.07													
Farmers L			.06															.16													
Flemingsburg L						.27		.73	.09		T	T						.02													
Ford, Lock No. 10 K								.12	.02			.04						.67													
Greenup, Dam 30 O		.19					.31																								
Harlan C							.47																								
Hazard K				.68			.19	.32	.01		.12							.25				.15									
Heidelberg, Lock No. 14 K			.25				.05	.45			.06																				
Jackson O			.68					.48			.48							T													
Jenkins B																															
Livingston C			.65				.72				.12						.05														
Louisa B			.06					.14			.46																				
Maysville O							.20	.01			.31	.09						.49													
Middlesboro C							.27																								
Mount Sterling L							T		T	T																					
Oneida C			.25					.90			2.00																				
Oneonta Dam 35 O							.09				.34	T																			
Paintsville B			.09					.66	.02		.51																				
Pikeville B			.16		.10	.20		.09	.01	.40								.08													
Pippapass K			.52		T	.23	.08	.36	.01	.04	T							.12													
Quicksand K							.45				.30																				
Ravenna, Lock No. 12 K			.06				.21	.22			T																				
Richmond K							.12	.05																							
Valley View, Lock No. 9 K						.94	.02																								
Vanceburg, Dam 32 O							.63	.10			1.69							.80													
Williamsburg C											1.68																				
Willow, Lock No. 13 K		.05					.52																								

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T, Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶Lone Oak.

Daily Temperatures for June, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Beaver Dam	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	89.2
Calhoun	Maximum	85	88	85	74	86	85	85	85	88	85	83	80	86	91	88	91	100	94	97	100	98	85	75	85	91	95	101	102	103	96	..	89.2
	Minimum	65	69	62	62	65	59	68	66	62	66	62	59	69	69	61	62	63	73	69	62	73	56	56	59	54	57	71	72	69	71	..	62.8
Earlington	Maximum	89	91	90	84	89	93	92	97	94	85	85	91	93	97	98	101	99	99	98	101	99	92	84	86	92	94	101	103	105	98	..	93.9
	Minimum	56	68	64	54	51	60	67	61	60	63	62	60	51	53	57	59	64	75	60	59	70	56	60	62	51	56	74	78	65	83	..	61.9
Greenville	Maximum	80	85	85	72	71	83	83	80	82	81	73	83	87	89	86	86	97	86	94	99	97	85	75	81	90	92	102	104	100	..	..	85.9
	Minimum	49	67	62	63	52	57	64	62	58	61	60	58	56	52	54	59	58	71	55	65	71	55	53	56	48	53	69	76	68	73	..	59.1
Henderson	Maximum	89	91	85	77	87	92	96	84	88	89	90	92	93	96	100	96	103	..	..	..	..	..	..	..	..	..	..	97	107	106	99	..	94.7
	Minimum	72	68	64	61	59	62	64	61	64	58	61	67	69	74	79	66	68	..	..	..	..	..	..	..	..	..	..	66	79	76	72	..	66.0
Hopkinsville	Maximum	88	90	86	85	91	93	92	94	97	92	85	87	92	94	88	99	101	96	100	104	101	92	85	86	91	94	100	104	103	98	..	93.9
	Minimum	61	64	63	55	54	58	68	63	62	65	61	61	61	56	56	61	61	70	64	61	73	58	56	56	51	55	69	75	69	78	..	61.6
Lovelaceville	Maximum	89	91	88	81	84	94	91	95	95	84	78	87	94	88	96	101	94	105	103	99	99	82	83	90	94	103	103	102	101	94	..	93.0
	Minimum	51	66	62	51	61	58	61	61	66	60	70	51	53	54	58	58	67	62	62	66	58	57	52	50	54	68	75	67	70	70	..	60.5
Mayfield	Maximum	90	93	89	82	87	93	94	96	98	85	85	90	94	97	98	102	97	102	103	101	99	92	80	82	89	95	99	102	103	100	..	93.3
	Minimum	59	67	64	56	55	61	67	62	67	70	61	57	56	60	61	65	68	71	68	72	74	60	57	55	57	61	69	77	78	74	..	64.2
Murray	Maximum	91	92	88	82	87	94	91	94	96	98	85	85	90	94	97	98	102	97	102	105	100	89	82	82	90	95	99	101	103	100	..	93.6
	Minimum	48	67	63	54	53	54	68	61	60	63	63	53	48	61	65	54	57	72	64	68	67	61	57	58	49	58	67	73	70	78	..	60.1
Owensboro	Maximum	88	90	85	79	81	91	91	90	83	95	82	83	87	91	94	94	100	98	96	98	97	90	83	88	90	94	100	101	105	92	..	91.1
	Minimum	63	55	61	62	55	61	65	64	68	68	69	57	59	58	57	62	62	72	65	63	70	62	56	57	51	55	69	74	75	85	..	62.2
Princeton	Maximum	91	93	84	83	87	90	92	94	97	87	83	85	90	93	96	98	101	94	100	102	96	85	83	85	93	96	99	104	105	98	..	92.8
	Minimum	52	66	64	56	58	58	67	65	64	68	61	69	57	58	59	65	69	69	65	63	74	58	58	59	58	57	68	73	68	70	..	60.9
Russellville§§	Maximum	90	92	87	82	86	96	92	92	95	93	85	84	89	91	96	96	101	97	95	99	99	77	85	83	92	98	101	103	105	102	..	92.7
	Minimum	61	59	65	55	52	62	71	64	59	64	63	62	52	52	56	59	63	72	60	57	69	60	55	55	49	57	75	75	68	78	..	61.6
Central Division.	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Eubank	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	54	56	70	62	54	58	59	72	54	56	49	52	69	73	78	59	..	.....
Anchorage	Maximum	86	88	83	76	83	91	84	87	91	86	82	79	85	88	92	89	98	85	89	96	90	79	82	81	86	91	99	100	103	95	..	88.1
	Minimum	62	64	63	52	66	59	63	66	61	59	62	65	58	62	66	62	58	66	65	59	66	62	52	51	47	58	65	66	58	73	..	59.7
Bowling Green	Maximum	96	96	88	87	92	100	98	97	100	95	90	90	93	95	98	101	98	97	102	99	98	95	89	86	95	100	102	106	108	100	..	96.1
	Minimum	67	68	68	57	56	63	75	71	65	69	69	65	68	61	61	61	65	66	61	63	71	60	58	61	55	60	75	78	71	80	..	64.8
Danville	Maximum	83	91	89	81	85	94	89	89	91	90	86	81	86	90	94	92	100	94	99	98	96	87	87	81	90	93	100	100	107	102	..	91.3
	Minimum	52	59	64	61	52	57	64	68	62	65	64	60	53	53	56	55	58	77	56	61	62	62	55	54	48	61	69	68	60	77	..	61.0
Dix Dam	Maximum	90	90	90	83	86	88	90	93	99	89	82	87	92	94	99	98	98	91	98	98	89	85	84	86	94	96	100	101	103	100	..	91.8
	Minimum	66	68	62	62	65	64	65	66	63	66	66	62	65	53	58	60	82	57	62	66	63	58	64	59	64	70	64	60	73	66	..	62.6
Eubank	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	85	87	94	95	92	95	97	82	87	87	90	96	98	102	103	96	..	.....	
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	54	56	70	62	54	58	59	72	54	56	49	52	69	73	78	59	..	.....	
Frankfort	Maximum	89	92	87	83	95	94	89	92	95	90	89	79	87	94	95	94	99	94	91	98	92	84	86	85	92	95	103	104	106	100	..	96.0
	Minimum	46	60	65	55	50	54	62	61	59	62	65	58	62	45	55	57	53	70	65	60	67	63	58	59	48	49	67	69	60	71	..	58.0
Glasgow	Maximum	91	94	85	82	84	90	97	94	96	97	86	82	86	88	91	94	98	95	100	98	96	102	100	71	88	86	94	98	103	104	108	105	..	93.9
	Minimum	48	60	57	60	54	60	62	63	61	65	69	68	70	60	60	61	62	74	56	67	69	64	58	59	50	54	64	73	65	70	..	62.0
Greensburg	Maximum	92	96	93	83	86	97	91	92	91	88	84	84	88	84	97	94	94	88	94	99	100	90	89	84	93	100	101	105	107	103	..	95.1
	Minimum	43	57	62	53	48	56	65	62	59	65	62	62	49	50	52	61	56	71	53	56	61	61	56	54	45	51	60	70	60	72	..	57.5
Irvington	Maximum	87	91	89	80	85	93	87	88	92	94	88	82	86	91	94	92	99	94	91	97	93	85	84	85	89	93	99	101	104	100	..	94.1
	Minimum	60	68	68	58	55	60	66	64	64	68	65	64	68	58	60	63	67	76	59	64	73	57	58	60	53	61	74	74	70	70	..	63.4
Leitchfield	Maximum	87	90	84	81	87	93	89	90	94	95	86	83	88	92	95	94	99	99	93	99	96	82	84	83	91	96	101	102	105	98	..	91.2
	Minimum	64	65	65	58	55	60	67	65	64	64	66	61	63	56	58	62	65	75	57	64	72	55	56	57	52	63	67	74	70	74	..	62.3
Lexington	Maximum	88	91	88	82	83	94	85	89	92	92	84	79	87	91	93	92	99	99	92	98	90	78	84	82	89	94	100	100	104	100	..	90.5
	Minimum	53	62	59	57	54	64	65	62	65	66	61	57	57	57	60	57	60	64	60	65	68	60	58	54	54	64	73	78	70	74	..	61.5
Louisville	Maximum	86	89	89	76	83	92	89	89	92	89	79	79	84	91	91	91	97	94	89	96	88	77	86	82	88	92	98	99	102	96	..	88.1
	Minimum	66	71	69	59	58	65	68	68	72	67	66	62	67	58	60	64	69	69	62	69	70	64	58	60	60	62	78	78	69	73	..	65.1
Mammoth Cave	Maximum	87	90	84	81	87	93	89	90	94	95	86	83	88	92	95	94	99	99	93	99	96	86	84	84	91	96	100	103	105	98	..	92.3
	Minimum	57	60	61	54	53	56	63	60	64	66	62	57	56	52	54	59	63	71	55	62	70	62	56	56	51	56	70	71	64	72	..	61.1
St. John	Maximum	87	89	87	80	85	93	92	93	95	97	87	82	87	91	94	93	98	97	94	98	93	83	84	84	92	95	99	102	104	101	..	93.1
	Minimum	63	66	61	52	54	58	65	62	68	65	64	58	54	56	59	60	69	75	54	65	71	61	55	57	48	55	68	75	66	82	..	60.8
Shelbyville	Maximum	87	90	84	75	81	94	86	88	93	94	86	83	89	92	94	91	98	97	91	97	93	83	83	80	91	95	101	101	107	102	..	92.6
	Minimum	56	60	63	54	52	59	65	63	64	66	63	56	57	55	56	59	63	71	57	66	70	62	56	56	51	60	70	71	64	72	..	61.1
Taylorsville	Maximum	87	91	83	80	88	93	89	89	90	89	85	80	87	90	90	91	98	88	90	91	91	77	83	81	88	91	100	100	104	97	..	89.3
	Minimum	44	58	62	53	49	53	62	58	57	64	64	59	53	47	55	58	56	69	58	59	68	63	58	53	43	54	64	69	60	74	..	58.0
Williamstown	Maximum	90	93	90	83	83	96	93	93	97	96	91	85	90	93	96	95	101	97	93	100	96	87	87	84	93	95	101	101	107	101	..	93.7
	Minimum	58	65	63	53	52	59	66	64	63	65	65	58	56	53	57	65	67	75	67	68	68	58	55	55	55	55	68	71	70	64	88	62.2
Eastern Division.	Maximum	88	93	89	79	82	96	91	87	91	91	86	76	84	87	93	89	102	95	87	95	90	78	79	77	89	94	94	98	101	98	..	89.3
Ashland	Minimum	50	57	58	66	51	54	67	63	64	65	61	61	57	56	62	58	69	64	64	66	60	62	55	49	65	59	67	55	70	..	..	60.2
	Maximum	86	91	91	89	88	88	88	88	86	76	79	80	81	85	91	92	93	93	88	92	92	88	84	85	85	91	96	101	100	96	..	88.6
Berea	Minimum	52	48	58	57	50	62	64	71	61	66	64	60	53	53	58	57	64	76	57	62	61	60	54	55	50	64	72	76	69	80	..	61.1
	Maximum	88	91	89	82	83	91	90	92	94	94	89	78	86	90	94	..	100	95	90	96	91	79	85	87	90	..	114	110	104	92	..	90.7
Farmers	Minimum	41	50	56	57	41	52	63	52	55	57	59	59	54	49	50	..	68	54	54	57	54	54	51	50	54	..	64	63	65	70	..	54.6
	Maximum	88	92	89	79	89	91	88	88	92	90	91	87	88	90	92	92	95	98	91	95	98	88	86	84	88	93	97	98	104	100	..	91.3
Harlan §§	Minimum	45	60	63	67	54	61	62	65	63	65	67	60	56	57	59	62	68	63	64	66	70	63	60	51	56	65	68	66	74	..	..	62.5
	Maximum	89	93	92	82	85	95	87	90	91	93	85	80	84	87	91	92	98	95	89	97	97	86	87	81	85	93	100	100	104	98	..	91.2
Heidelberg	Minimum	47	60	63	67	53	61	62	61	60	62	61	60	53	51	55	53	56	66	56	59	63	64	55	53	46	54	61	64	60	76	..	57.5
	Maximum	42	48	56	60	48	53	61	62	61	60	62	61	58	57	60	56	67	59	62	68	63	64	65	53	46	54	61	64	60	76	..	59.1
Maysville	Minimum	38	92	83	79	82	95	92	89	93	95	78	77	83	88	90	87	100	95	84	94	91	82	82	80	80	84	92	94	97	91	160	..	57.2
	Maximum	54	55	62	53	47	52	65	61	60	59	62	55	51	49	55	53	56	65	57	62	61	58	58	51	49	48	62	65	66	52	69	..	57.5
Middlesboro	Minimum	82	86	86	86	86	91	90	84	84	87	84	77	82	87	88	86	93	93	86	93	92	85	82	84	81	91	91	99	96	..	..	88.3
	Maximum	41	53	61	66	59	58	72	..	58	64	64	65	53	49	51	..	54	69	56	58	64	67	59	54	45	50	64	69	59	..	..	59.1
Mount Sterling	Minimum	83	92	88	81	82	90	90	91	92	93	78	86	90	93	97	91	101	94	90	96	90	81	85	80	90	95	99	101	103	102	..	90.7
	Maximum	48	56	62	58	60	61	64	62	62	60	63	57	54	45	57	53	70	66	56	62	64	56	56	56	47	54	60	66	66	..	..	60.4
Pikeville	Minimum	92	95	95	86	89	95	92	90	94	92	81	85	87	92	101	100	91	87	86	86	78	83	88	92	96	98	100	..	..	..	..	91.4
	Maximum	43	50	56	62	50	55	63	61	62	62	62	56	54	55	56	56	65	62	61	64	63	59	59	47	54	60	66	66	..	..	..	58.5
Pippapass	Minimum	89	94	95	84	87	95	90	93	91	92	90	79	85	89	94	92	100	99	91	..	..	..	..	..	..	..	..	99	104	100	..	91.7
	Maximum	45	50	57	66	47	..	62	60	62	61	62	56	55	56	55	54	64	59	59	62	..	..	..	..	..	..	..	66	65	59	..	57.9
Quicksand	Minimum	88	93	92	85	86	94	90	90	92	93	91	82	86	90	94	92	99	99	91	96	94	83	81	88	89	90	88	100	103	100	..	92.3
	Maximum	40	48	55	52	47	52	61	61	61	60	61	60	54	55	55	54	64	59	59	62	..	..	..	..	..	..	..	66	65	59	..	56.0
Richmond	Minimum	77	85	88	80	80	93	92	92	93	93	78	85	88	92	92	95	103	96	94	96	94	81	83	80	90	88	100	103	105	102	..	88.5
	Maximum	58	65	68	62	64	64	67	65	66	66	66	60	57	60	64	60	65	73	62	66	70	62	58	56	55	67	70	75	67	80	..	64.2
Williamsburg	Minimum	91	96	91	86	87	95	93	91	87	89	91	87	89	91	94	100	99	96	93	96	94	83	84	80	88	91	99	101	105	104	..	90.8
	Maximum	49	56	64	59	48	62	68	63	60	66	64	62	49	53	60	56	60	72	56	69	64	60	60	53	46	55	62	77	61	69	..	60.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

* * * etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 7-26-36-1109

.05
E

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. TENDALL.

VOL. XLI LOUISVILLE, KY., JULY, 1933 No. 7

GENERAL SUMMARY.

Heavy rains early in the month relieved the drought in the southwestern and south-central counties. In the third week heavy rainfall spread north over the central districts and started growth. Additional moderate to heavy rains visited the southern counties in the last week. Near the Ohio River, and for several counties southward, the rainfall was local and generally insufficient. Many sections received so little that there was no effect on crops, while pastures remained parched and the water situation grew worse.

The extreme heat of the period 8-15th caused great damage to corn pollen and almost complete cessation of growth in the dry sections. Only limited areas in the south and extreme east had received enough moisture to enable corn to resist. Even in the best fields of corn, partly filled ears showed the disastrous effects of the high temperatures. Later in the month after the rain had reached most of the State, the tasseling of late stalks of corn provided pollen for silks that appeared on other stalks with dried tassels. At the end of the month good growing conditions prevailed in the southern half of the State, and extended irregularly northward into the dry half. Tobacco and pastures improved rapidly in that section, but remained poor to worthless farther north toward the Ohio River. Local showers and lower temperatures in the last half permitted the planting of late potatoes in the principal districts devoted to that crop. Domestic and commercial gardens failed to produce in most sections, but were recovering late in the month in the southern and central counties. Field tomatoes merely stood without setting fruit. Some interesting features of the drought were the failure of alfalfa to produce a third crop, the resistance and continued slow growth of soy beans, and the general failure of all plants to pollenize. While recovery was under way in the southern half of the State at the end of the month, extreme irregularity and spottedness characterized the agricultural situation in northern districts.

TEMPERATURE.

Except for a few days at the beginning and end of the month, temperatures were continuously above normal. From the 7th to 15th the excess was 10° to 15° at most stations, and maxima ranged from 100° to 110°. This was the longest period with such excessive heat in the climatic history of the State. High temperatures also prevailed from the 26th to 28th, with maxima of 100° to 106° at many stations. The highest was 113 at Henderson on the 13th and the lowest 46° at Farmers on the 31st.

PRECIPITATION.

The precipitation average for the State was not far below normal, but the contrasts in its distribution were extraordinary. In the southern part of the Purchase, the south-central counties and northward across the middle of the bluegrass region, also in the eastern mountain districts, it ranged from 4.0 to 8.0 inches. In a belt along the Ohio, and to the depth of several counties toward the interior in the lower Green River section and the upper Licking River valley, amounts ranged from 1.5 to 2.5 inches. The driest areas were near the Ohio River from the lower Cumberland [illegible] counties. Showers occurred rather generally in northern [illegible] irregularity in a number of instances. [illegible] at Louisville on the 4th and 5th, in many districts. The greatest [illegible] at Lexington and 8.5 inches at Middlesboro on [illegible] 5, 11, 12, 15, 16, 19, 20, 21, 22, [illegible] 30.

MISCELLANEOUS.

July 29.—Fire [illegible] by heat at Hazard, [illegible] [illegible] [illegible]

Climatological Data for July, 1936.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches			Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Eastern Division.																			
Birmingham	Marshall										2.86		1.81	0	4					Tennessee Valley Authority.
Carrollton	McLean	437	32	81.2	+ 5.8	105	13	58	31	32	1.36	−1.14	1.04	0	7	4	26	1	sw.	W. J. Taylor.
Covington	Boone	420	46	85.0	+ 6.1	108	13	59	22‡	37	1.47	−1.93	0.54	0	5	25	3	3	sw.	Brick Southworth
Fords Ferry, Dam 50	Crittenden	356	7								1.11		0.63	0	7					Lockmaster.
Greenville	Muhlenburg	519	19	81.4	+ 3.4	107	14	54	31	37	3.15	−0.60	1.50	0	4	26	5	9	s.	C. R. Lovell.
Henderson	Henderson	382	22	85.6		113	13	53	31	37	0.72	−2.47	0.32	0	4	12	11	8	sw.	Richard Stites
Hopkinsville	Christian	524	40	83.3	+ 4.2	110	13	56	31	34	3.18	−0.55	0.60	0	10	8	5	18	se.	W. B. Graves.
Jeffersonville	Bullitt		7	86.8		104	13	58	30	31	3.46		1.85	0	6	21	5	2	s.	Blaine Malone.
Mayfield	Graves	364	27	81.4	+ 2.5	108	13	57	31	28	8.88	+5.32	3.16	0	6	17	12	2	s.	Mrs. Joe Payne.
Murray	Calloway	412	10	83.0	+ 3.6	107	13	58	31	35	8.38	0.00	2.23	0	7	12	16	3	w.	Harry B. Arnold
Owensboro	Daviess	479	39	82.6	+ 4.8	107	13	59	30	32	3.40	+0.37	2.03	0	5	22	3	6	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	8								3.04		1.82	0	6					Lockmaster.
Paducah	McCracken	316	19								3.75	+0.27	1.68	0	7	12	12	7		C. J. Rhodes.
Princeton	Caldwell	399	29	83.8	+ 5.2	107	13	60	31	31	7.95	1.89	1.05	0	5	6	23	2	sw.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	384	19								1.86	−1.22	0.62	0	8					Lockmaster.
Russellville	Logan	590	25	81.6	+ 3.4	106	10	55	31	33	4.65	+0.88	2.01	0	12	17	10	4	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	8								5		0.87	0	5					Lockmaster.
Central Division.																				
Atkinson, Dam 45	Breckinridge	352	8								2.98		1.14	0	10					Lockmaster.
Attucks	Jefferson	700	35	81.6	+ 5.3	106	15	58	31	36	3.48	−0.62	1.60	0	7	16	12	3	sw.	C. E. Barret.
Bowling Green	Warren	590	47	83.0	+ 3.7	106	10‡	60	31	32	3.94	−0.04	0.74	0	11	14	12	5	s	Mrs. Lillie G Causey.
Brownsville, Lock 6	Edmonson	470	18								7.44	+4.04	1.70	0	13					Lockmaster.
Burnside	Pulaski	705	25								5.50	+0.69	1.60	0	12					D. A. Lewis
Carrollton, Lock 1	Carroll	480	37								3.02	−0.93	1.03	0	7					Lockmaster.
Cave Spring, Dam 36	Campbell	482	10								1.56	−2.82	0.70	0	6					Lockmaster.
Danville	Boyle	840	3																	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	8	81.8	+ 4.0	107	10	56	22‡	40	4.84	+0.78	2.75	0	9	8	17	6	s.	C. C. Williams.
Louisville	Jefferson	622	42								1.90		1.10		10	14	11	6		Lockmaster.
Monticello	Wayne	1127	42																	Mrs. Katie Payne.
Pulaski	Pulaski	1000	8																	
Frankfort	Franklin	500	41	82.5	+ 5.1	111	15	51	22‡	44	4.21	+0.25	1.16	0	11	17	9	5	sw.	Lockmaster.
Glenview, Lock 3	Henry	480	25								4.06	+0.10	2.37	0	10					Lockmaster.
Glasgow	Barren	780	10	81.2		106	10	52	23	39	5.16	+0.63	1.50	0	11	26	4	1	n.	R. L. Beatty.
Greenup, Dam 30	Boyd	550	11								1.56	−2.01	0.80	0	10					Lockmaster.
Greensburg	Green	881	43	80.0	+ 3.4	108	10	53	31	37	6.44	+2.60	1.98	0	16	2	3	26	s	Mrs. Bettie K. H. Alcorn
Ingra Bridge, Lock 7	Jessamine	544	34								5.05	+1.00	1.50	0	18					Lockmaster.
Irvington	Breckinridge	646	38	83.1	+ 5.5	106	15‡	57	31	32	0.70	−2.37	0.24	0	7	19	6	6	sw.	W. J. Piggot.
Jamestown	Russell	900									5.55		1.04	0	12	15	9	7	w.	N. B. Falkenberg.
Lancaster	Garrard	1052	10								2.53	−1.86	0.92	0	10					Walter Killion.
Leitchfield	Grayson	675	40	82.4	+ 5.3	107	13	57	31	31	3.75	+0.09	2.07	0	8	12	18	1	sw.	H. H. Willis.
Lexington	Fayette	989	52	81.1	+ 5.2	108	10	54	31	37	2.85	−0.80	0.86	0	13	17	9	5		U. S. Weather Bureau
Middletown, Lock 5	Jessamine	580	25								5.22	+1.46	1.70	0	13					Lockmaster.
Lockport, Lock 2	Henry	485	26								3.47	+0.11	0.94	0	8					Lockmaster.
Louisville	Jefferson	459	63	83.3	+ 4.7	107	14	58	30	29	1.84	1.89	0.93	0	8	14	14	3	sw.	U. S. Weather Bureau
Mammoth Cave	Edmonson			80.2		104	11‡	53	31	36	3.97		0.84	0	13	16	12	3	w.	Ivan J. Ellsworth.
Milton, Dam 29	Carroll	635									1.90		0.65	0	5	23	1	7	sw.	G. R. Davis.
Monticello	Wayne	910									4.18		1.01	0	11	29	1	1		E. O. Cooper.
Nelson	Hardin	777	40	83.3	+ 6.9	111	15	57	22‡	33	2.54	+0.21	1.10	0	8	22	4	5		Sisters of Loretto.
Nicholasville, Lock 6	Mercer	526	22								5.23	+1.44	1.80	0	12					Lockmaster.
Owensville	Shelby	825	47	83.2	+ 6.4	103	14	54	31	30	2.56	−1.47	1.22	0	12	9	2	20	s.	Miss Ruth Ratta.
Somerset	McCreary	1400									3.99		1.65	0	8	11	17	3	nw.	Geo Wright
Taylorsville	Spencer	480	34	80.2	+ 3.3	105	10	52	31	34	4.28	+0.16	1.16	0	11	21	7	3		Elizabeth J. Bourne.
Tompkinsville, Lock 3	Monroe	524	18								3.38	0.89	1.16	0	16					Lockmaster.
Willisburg	Washington	913	33	82.8	+ 6.6	106	14	54	31	38	4.33	+0.77	1.05	0	11	21	5	5	w.	Miss Nettie B. Simpson
Woodbury, Lock 4	Butler	594	19								4.75	+1.32	0.96	0	11					Lockmaster.
Eastern Division.																				
Ashland	Jackson		5								7.77		1.77	0	17	6	17	8	sw.	W. A. Worthington.
Ashland	Boyd	531	17	80.2	+ 3.7	103	10‡	52	22	39	4.70	+0.51	1.28	0	8	16	7	8	w.	Lockmaster.
Barbourville	Knox										3.09		0.91	0	8					Mrs. Ralph Tuggle.
Beattyville	Madison	1.750	31	*79.4	+ 3.1	103*	10	51*	23	34*	1.98	+0.11	1.57	0	12	11	16	3	w.	Luther M. Ambrose.
Carrollton, Lock 11	Bullitt	631	26								2.13	−1.93	0.85	0	11					Lockmaster.
Cynthiana	Harrison	684	18								2.17	−1.25	1.42	0	5					P. H. Kehoe.
Falmouth	Pendleton	690	17								4.17	−0.52	1.44	0	8					J. V. Oldham.
Harrodsburg	Mercer	695	28	78.5	+ 3.4	105	9‡	46	31	45	3.75	−0.63	1.21	0	9	9	14	8	e.	Mrs. R. F. Stamper
Hazard	Perry	1.000	11								1.53	−2.16	0.57	0	6					C. A. Glasscock
Hazard, Lock 14	Perry	657	29								4.10	−0.76	1.43	0	14					Lockmaster.
Heidelberg, Dam 30	Breathitt	1197	8								6.33	+1.98	3.83	0	9					Lockmaster.
Hindman	Knott	870	12								3.51	+0.47	1.22	0	17					Chas. O. Doty.
Irvine, Lock 11	Lee	663	19	78.6		102	10‡	48	31	43	2.68	−2.10	0.66	0	15	6	10	15	sw.	Lockmaster.
Jackson	Breathitt	540	16								3.22		1.03	0	9					Jas. T. Goff.
Junction City	Boyle	776									7.63	+3.24	1.89	0	14					R. J. Bivard.
Lancaster	Rockcastle	966									2.55		0.56	0	13	12	8	11		B. H. Green.
Lawrenceburg	Anderson	864	32								5.19	+2.64	4.60	0	8					Lockmaster.
Maysville	Mason	516	39	79.8	+ 3.0	105	10	47	31	44	1.47	−2.85	0.80	0	7	7	18	6	e	Lockmaster.
Paris	Bourbon	821	39	77.0	+ 1.7	98	13	50	22‡	36	1.03	−0.27	1.03	0	10	11	18	2		Matthew Woodson
Richmond	Madison	1.000	40	80.0	+ 4.0	105	10	51	22	41	3.58	+1.25	1.50	0	5	21	8	2	w.	W. R. McKee.
Salyersville	Magoffin	1.000	46								3.10		1.40	0	10					Joe L. Gay.
Somerset	Pulaski	1.000	9								1.33	−2.52	0.63	0	7					Lockmaster.
Stanford	Lincoln	967	9								5.48		1.45	0	13					Manuel Robinson.
Versailles	Woodford	867	2								6.32	+2.10	2.13	0	13	9	11	11		E. Gardner Burton.
Williamsburg	Whitley	1.000	2	75.8		103	15	51	31	35	6.24	+2.44	2.44	0	15	13	10	8		Caney Fam Com Cen.
Winchester	Clark	1.000	2	78.2		103*	10‡	50	22	31*	7.84	+2.53	0.49	0	9					R. W. Jones.
Wolfe City	Powell	750	10	78.7	+ 2.5	105	10	46	22	37	2.84	−2.53	0.49	0	9					Lockmaster.
Worthington, Lock 13	Greenup	633	18								2.87	−1.09	1.42	0	14					Lockmaster.
Wrigley	Powell	1.000	45	80.1	+ 3.2	103	11	55	31	29	4.46	+0.44	0.80	0	16	15	0	15		J. W. Crooke.
Yeaddiss, Lock 9	Anderson	551	24								4.63	+0.65	1.57	0	14					Lockmaster.
Zachariah, Lock 12	Lee		21								3.29	−1.09	1.10	0	11					Lockmaster.
Zoneton	Jefferson	500	34	81.0	+ 3.8	104	10	49	31	39	3.52	1.92	0.88	0	11	13	11	7		John W. Stephens.
Zorah, Lock 13	Lee	675	17								1.90	−2.92	0.38	0	12					Lockmaster.
Averages and totals				81.4	+ 4.2	113	13	46	31	45	3.78	−0.35	4.00	0	10	15	10	6	sw.	

‡ Indicates that date is for a month previous or subsequent to that of which data are given.

* Indicates that normal temperature and precipitation are not available for such stations as have ten or more years of record, but all complete reports are included in the averages and totals. Records for Beattyville and Wolfe City are for the Kentucky River Locks, Hazard for the Lock 14 station, Irvine for Lock 11, Wrigley for Lock 8, Zachariah for Lock 12, Williamsburg for Lock 15, Winchester for Lock 7, Ashland for Lock 27, Worthington for Lock 13, Greenup for Lock 30, Carrollton for Lock 11, Falmouth for Lock 8, Cynthiana for Lock 9, Harrodsburg for Lock 6, Versailles for Lock 5, Lancaster for Lock 3, Frankfort for Lock 4, Glenview for Lock 3, Lockport for Lock 2, Zoneton for Lock 1, Louisville for Dam 41, Jeffersonville for Dam 44, Carrollton for Dam 35, Milton for Dam 31, Ramsey for Dam 32, Cave Spring for Dam 36, Atkinson for Dam 45, Uniontown for Dam 49, Owensboro for Dam 46, Fords Ferry for Dam 50, Paducah for Dam 52, Brownsville for Lock 6, Nicholasville for Lock 6, Lock 10, Red House Ky.; Lock 9, Burnside Ky.; Lock 7, Ingra Bridge Ky.; Lock 5, Middletown Ky.; Lock 3, Lancaster Ky.; Lock 2, Lockport Ky.; Lock 1, Carrollton Ky.

† Precipitation is less than 0.01 inch rain or melted snow. § Lone Oak.

Daily Precipitation, for July, 1933

Stations	Day of month																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Barnaugh 4		.07	1.85	.39			.04																									
Bellevue		1.4	.6					.4				.1		.6	.6		.7															
Burlington		.24	.2	.1				.3								.1																
Bonds Ferry Dam 36		.05	.6	.05				.3																								
Crestville			.18	.1						.1																						
Bethlehem								.1																								
Chapeltown		.40	.4	.06	.02		.1	.04		T	T		T	T																		
Louisville	1	.01	.1					1.2																								
Maywood	2	.0	.1	.05				.1																								
Murray	1	.2	.1					.1																								
Owensboro		.58	.26					.1				T																				
Owensboro, Dam 46		.58	.26					.05																								
Padmah		.1	.3	.05				.1																								
Perryman			.1				.05	.4	.04																							
Pinnacle, Lock No. 2		.62	.1	.05																												
Rossville		.42	.31	.30	.6			.01		.05		.46	.16																			
Uniontown, Dam 47		.6	.2																													
Eastern Division																																
Addison, Dam 45		.01	.15					.28	.05			.14	.5																			
Anchorage		.3				.07	.11	.1			.2																					
Bowling Green		.05	.14	.28			1	.04	.30			.20																				
Brandenburg, Lock No. 6		.6	.28	.2								.3																				
Burnside		1.45	.35	1.60			.65	.21				1.34	.25	.6																		
Carrollton (Lock No. 1)	K	.11	.05				.54				.15	.03																				
Coal Siding, Dam 38		.70	.10			T	.2				.13	T																				
Danville	K																															
Dix Dam, Parrish	K	.11	.07			.3	.15				.31																					
Eddyville	K	1.0		1.05		.33		.11			.18																					
Elkton																																
Evansville	K	.20	.02								T	T																				
Gest, Lock No. 3	K	.25	.14			.17																										
Glasgow		.6	.5	.13			.05					.2																				
Grant, Dam 38		.05	.22	T																												
Greensburg		.72	.17	.49	.05		T	.1			.18	.3	.1																			
High Bridge, Lock No. 7	K	.58	.04	.11			.11	.15			.12	.12	.03	.05																		
Irvington		.16	T				T					.02																				
Jamestown		.15	.08	.18		.02	.06				1.05	.1																				
Leitchfield		.15	.08			.15					.10																					
Lexington	K	.4	.05				.02					T		T																		
Little Beckman, Lock No. 8	K	.58	.01	T		T	T				.02	.50	T																			
Lockport, Lock No. 5	K	T	.18	.12			.10				.28	.46	.22																			
Louisville		.12	.2				.15																									
Manchester						.04	.13																									
Marrowbone		.84	.50	.10	T		.05				.03	.3																				
Mayfield		.25	.5	.2							.25	.25																				
Meyers Bro		.01	.2	.40		.70		.31			.10																					
Mt. Sterling			.15	T			T																									
Nelson, Lock No 6	K	.08	.10	T			.12				.17	.28	.2																				
Shelbyville		.07	.0				.02					.04																				
Stearns			.22	.25	.20							.1																				
Taylorsville		.04	.01			.02	.15					.32																				
Tyrone Lock No. 5	K	.01	.0	.02			.05				.18	.05	.12																				
Williamstown	L	.58	.51				.10					.2																				
Woodbury, Lock No. 4		.71	.28	.18				.50				.51	.2	.40																		
Eastern Division																																
Annville		.02		.18	.23		.15				.07	.6	.10		.1	.70		1.77	1.8	.08	.01			.25	.01	.08		.25				
Ashland			.58	.02				1.40								.50																
Barbourville					.1	.03																										
Berea	K	.10	.0	.20		.18				.10						.18				.34		.30		.22								
College Hill, Lock No. 11	K	.03	.13	.10							1.57	.25				.08				.06	.30											
Cynthiana	I										.85	.03				.47																
Falmouth	I	.41	.88				.33				T	T				.20				.11	T											
Farmers	L	.07	.10	.35							1.55									.06												
Flemingsburg	L	.19	.05								.52					.07																
Gold, Lock No. 10	K	.16	.16	.25												.20				.02												
Greenup, Dam 30	O	.25	1.44								.18	.24				.04				.24	.02	T										
Hagerty	K	.82	.05	.25	.40		.33	.30				.04																				
Heidelberg, Lock No. 14	K	.60	T	.05				.15			.45		.15			.15				.18	.27	.08										
Jackson	K	.25		.24				.16			.86	.06	.12			.08				.08	.34	.02										
Lewis	L	.13		.06	.02		.94	.02			T	T																				
Livingston			.16		.24	.37	T					.22								.50	T											
Louisa	L	.15	.05	.01			.09				.19	.08				.03	.10			.10	.05	.03										
Owenville		.20	.80				T					.03								.24												
Owingsboro												.03				.04	.07															
Mount Sterling	I	T.	T.	1.42	.30	.48	T				.45									.60	.05											
Oneida		.58	.65	1.68	.15						.32																					
Quantico, Dam 35		.60	.68																													
Quicksville		.50	.95	.17							.18					.19	.63	.09		1.42												
Rockville		.16	T	.28		.12	.18			T						.04	1.06		.40	.37	T											
Riggsport	K	.87	.02	1.60		.07	.20				.48	.11																				
Quicksand		.20		.25			.35					.10					.46			.10												
Rowanal, Lock No. 12		.08	.17	.17																												
Rockport	K	.05	.15	.15	.17		.15	.17				.33	.05				.13	.05	.21	.10	.22											
Valley View, Lock No. 4	K		.07							.05	1.00		.81			.98	.80	T		.04	.46											
Vanceburg, Dam No. 32	O	.78	1.19				.1b				.05	.08				.28	1.35			.03	.13											
Williamsburg			.16	.58	.45		.12				.04					.12	.06															
Willow, Lock No. 14	K	.05		.20				.08			.15						.47	.04		.38		.36		.01	.01							
																.12			11	.35	.21											

Except as otherwise indicated observations are normally made at 8 a.m. and precipitation recorded is for the 24 hours ending at that time of observation.

Reference mark (see) Regular Weather Bureau station; precipitation is for the 24-hour period indicated in headlight.

Precipitation measured at the beginning of next month recorded is for the preceding 24 hours. Precipitation included in the next following measurement.

Several dates of inches not recorded. Dates of measurement.

River drainage—stations on creeks and small streams tributary is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (O) Ohio; (M) Mississippi.

* Dome Oak.

Daily Temperatures for July, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Calhoun	Maximum	81	72	88	94	94	94	104	99	103	103	104	104	105	104	104	98	95	91	97	92	91	93	90	100	97	102	104	99	94	86	89	96.1
	Minimum	69	71	65	67	74	75	77	74	74	75	75	78	77	75	76	76	70	71	68	70	66	62	72	76	76	77	77	77	76	60	58	75.4
Earlington	Maximum	79	78	89	93	98	97	103	99	103	103	102	103	104	106	102	97	98	99	98	98	93	96	90	103	97	102	103	103	98	90	90	97.1
	Minimum	76	70	66	68	74	76	76	76	78	76	78	77	78	75	75	77	71	73	73	73	66	69	74	74	77	77	77	77	76	63	60	72.8
Greenville	Maximum	77	80	78	85	88	88	105	97	101	101	102	102	105	107	103	96	92	93	93	90	86	90	88	96	97	98	99	99	96	90	85	93.4
	Minimum	66	68	69	69	72	71	73	72	73	73	73	73	74	70	74	73	68	68	66	70	64	58	70	74	74	74	74	74	73	60	54	69.4
Henderson	Maximum	84	81	89	92	95	100	110	105	108	108	105	112	113	113	110	100	96	96	98	94	89	95	97	104	98	102	106	101	101	87	86	99.0
	Minimum	68	68	64	67	71	72	76	74	74	76	76	77	76	78	79	76	70	72	67	67	64	67	71	82	78	76	80	76	74	68	68	72.3
Hopkinsville	Maximum	80	78	85	89	92	95	104	99	101	102	102	104	106	106	102	96	90	98	96	94	91	88	90	98	100	102	96	89	88	85	82	95.2
	Minimum	68	68	66	64	72	70	72	73	72	78	76	72	76	76	77	74	68	70	72	73	66	61	72	76	74	74	72	70	72	62	62	71.4
Lovelaceville	Maximum	80	78	85	90	90	93	97	92	98	97	97	97	104	101	97	90	92	94	94	91	88	90	90	95	94	97	98	98	99	87	87	92.9
	Minimum	65	69	66	64	70	71	71	64	68	73	70	74	74	74	75	78	69	68	73	67	64	62	74	72	74	72	70	72	61	60	61	68.8
Mayfield	Maximum	80	78	84	88	90	94	98	93	96	97	98	99	103	100	100	91	92	96	93	91	89	91	87	95	94	98	97	98	98	88	85	92.7
	Minimum	68	69	66	67	71	71	73	69	73	76	75	78	78	75	77	74	67	73	73	70	66	67	70	73	73	73	72	72	70	62	57	70.2
Murray	Maximum	84	79	86	92	93	95	98	94	100	100	100	99	107	104	101	96	95	98	95	92	98	97	92	96	98	100	100	100	98	87	88	96.3
	Minimum	67	67	66	62	71	70	70	74	76	75	78	85	81	78	75	73	70	72	70	68	65	62	68	71	72	74	75	75	69	70	63	70.7
Owensboro	Maximum	85	79	87	91	95	96	104	103	102	104	103	106	107	106	106	99	99	91	92	92	87	90	89	96	91	98	106	92	87	85	89	96.0
	Minimum	68	68	64	64	70	73	75	76	76	78	74	76	75	75	76	68	68	69	67	69	67	69	71	74	73	75	75	73	70	68	66	70.1
Owensboro	Maximum	83	77	88	92	94	94	98	96	100	102	104	106	107	107	102	97	97	98	98	94	86	91	91	100	98	101	102	102	95	87	88	95.7
	Minimum	69	70	66	66	73	72	74	74	75	75	76	77	76	76	76	77	71	72	71	71	67	62	72	76	75	76	74	71	75	63	60	71.8
Princeton	Maximum	86	75	81	92	96	95	102	99	103	105	102	104	102	103	102	92	87	95	90	88	84	91	91	97	97	100	95	84	83	83	85	93.5
	Minimum	68	69	67	65	71	72	73	72	72	74	70	73	72	74	75	69	68	68	69	71	63	59	70	73	72	72	70	72	71	62	55	69.6
Russellville§§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Central Division.																																	
Anchorage	Maximum	87	79	87	92	92	94	96	105	100	101	103	101	105	105	106	93	86	87	88	75	86	91	86	93	91	93	96	95	88	80	86	92.6
	Minimum	68	64	65	66	68	71	71	68	68	72	73	72	72	71	70	68	68	69	67	69	67	68	69	71	71	72	74	73	75	67	68	70.5
Bowling Green	Maximum	86	80	83	93	98	98	100	101	102	105	102	104	105	105	103	96	94	93	94	91	88	87	94	97	99	102	104	103	94	84	85	95.4
	Minimum	70	69	67	66	68	73	72	72	77	78	76	76	71	73	77	78	72	68	69	69	71	68	61	71	72	71	74	71	72	73	64	70.6
Danville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Dix Dam	Maximum	88	80	82	91	88	91	101	106	106	107	97	102	103	103	101	88	90	92	92	93	86	90	89	92	90	94	96	98	96	89	89	94.2
	Minimum	70	68	70	65	70	72	73	66	74	75	72	66	70	70	70	70	68	68	72	71	65	66	68	72	71	73	73	71	71	66	65	69.5
Eubank	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	101	102	102	88	89	92	95	84	88	92	88	99	83	91	97	100	95	85	85	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	69	76	71	65	63	66	65	62	62	54	65	70	71	71	61	69	69	59	61	.....
Frankfort	Maximum	80	82	87	94	92	98	102	106	108	109	107	107	106	107	111	98	95	95	96	89	89	93	89	98	90	96	102	100	92	84	84	98.3
	Minimum	69	64	64	64	67	70	70	63	72	74	74	73	73	73	73	77	71	67	71	65	68	66	54	65	74	68	76	76	75	69	60	68.3
Glasgow	Maximum	82	78	79	90	94	87	101	104	104	102	105	99	105	108	103	88	86	94	88	91	86	88	91	91	94	97	99	100	95	82	81	93.2
	Minimum	68	65	65	66	72	69	71	70	71	72	71	71	72	72	72	68	68	68	75	66	64	68	54	71	72	72	73	72	73	74	56	69.3
Greensburg	Maximum	83	79	79	94	93	91	101	104	105	105	104	102	103	106	97	89	95	92	87	89	87	86	92	88	94	87	97	100	92	88	84	93.2
	Minimum	67	68	66	64	70	69	69	69	68	70	68	70	70	70	68	72	67	66	66	64	66	61	55	67	71	71	71	68	66	70	58	68.7
Irvington	Maximum	90	77	84	92	95	93	103	110	109	109	108	109	107	107	105	96	93	94	93	88	88	92	90	94	92	103	102	102	93	88	86	94.8
	Minimum	69	68	68	68	70	70	73	73	74	77	77	74	73	73	77	75	69	70	65	68	68	69	74	76	76	76	76	76	74	69	67	71.4
Leitchfield	Maximum	88	76	85	90	98	92	101	104	103	103	103	104	107	105	103	91	89	93	92	88	87	91	86	95	88	99	101	101	94	84	83	94.0
	Minimum	68	66	65	65	72	74	75	76	75	76	77	74	77	74	72	71	67	70	65	69	65	60	71	75	73	74	72	71	72	69	67	70.9
Lexington	Maximum	70	78	86	93	87	97	101	106	106	108	104	104	104	106	108	92	93	92	94	89	86	92	88	93	84	92	97	99	91	81	84	94.0
	Minimum	66	65	67	64	70	73	70	72	76	72	73	74	71	71	67	70	66	64	66	66	67	58	71	68	71	68	74	74	72	75	69	68.2
Louisville	Maximum	77	79	85	92	94	94	99	102	100	104	102	103	104	107	106	97	92	87	92	89	87	92	87	93	84	88	94	94	93	83	83	93.4
	Minimum	70	69	70	70	70	70	75	80	78	82	78	77	81	79	77	71	72	72	68	71	71	68	74	76	78	77	79	75	70	58	60	72.3
Mammoth Cave	Maximum	83	76	83	90	88	92	101	104	103	103	103	104	107	105	103	91	89	93	92	88	87	91	86	95	88	99	101	104	94	84	83	94.0
	Minimum	62	66	66	63	71	70	70	70	70	71	70	71	70	68	69	67	62	65	62	67	66	58	71	71	74	71	73	72	69	60	53	67.3
St. John	Maximum	84	82	87	96	97	98	107	104	108	110	106	106	108	108	111	98	98	98	98	89	90	91	93	98	93	98	104	104	98	85	84	97.6
	Minimum	68	68	65	62	72	73	70	72	68	73	70	72	72	72	72	68	68	64	68	66	57	52	74	76	74	74	74	73	71	70	57	69.0
Shelbyville	Maximum	78	80	90	85	94	98	101	103	104	107	103	105	107	107	107	95	95	96	96	90	86	90	86	96	97	102	110	99	92	84	84	94.9
	Minimum	70	65	67	66	73	71	74	74	73	73	75	75	78	79	77	73	71	68	68	67	64	63	68	72	72	68	57	70	74	73	61	70.7
Taylorsville	Maximum	78	79	86	91	94	94	101	100	102	107	105	103	102	104	103	93	94	88	92	84	85	88	87	95	89	95	99	98	98	79	80	92.5
	Minimum	70	63	67	62	74	71	69	66	70	71	70	71	73	69	73	70	69	69	63	66	64	67	70	68	74	70	76	76	68	58	52	67.8
Williamstown	Maximum	76	84	90	95	91	97	100	106	106	108	108	108	106	109	107	96	90	97	93	91	91	96	91	91	86	97	101	94	92	86	86	96.2
	Minimum	68	66	66	67	74	72	67	68	75	75	72	74	75	74	76	70	71	72	65	66	63	61	70	70	67	75	75	76	69	58	54	69.4
Eastern Division.																																	
Ashland	Maximum	79	80	84	94	86	87	91	96	101	103	99	100	98	102	103	97	94	92	92	86	82	91	93	93	92	99	103	98	88	80	81	92.4
	Minimum	69	68	63	65	75	65	64	62	65	75	70	72	75	67	73	68	72	68	65	64	63	63	72	72	66	75	75	74	70	58	56	67.9
Berea	Maximum	90	83	85	96	93	94	98	101	103	105	103	104	103	106	107	97	94	93	94	84	84	89	89	91	91	...	90	95	94	87	80	94.1
	Minimum	68	68	66	62	70	71	71	73	75	75	69	69	73	76	68	66	69	70	68	68	61	55	64	71	67	...	70	75	70	60	56	67.6
Farmers	Maximum	90	86	85	90	96	95	103	102	103	106	101	101	99	102	104	97	95	95	95	88	86	87	92	91	95	100	95	109	104	90	90	96.3
	Minimum	66	64	63	60	68	69	67	65	63	67	67	69	69	68	70	70	65	64	65	59	57	47	55	67	63	71	64	74	67	53	46	63.1
Heidelberg	Maximum	80	78	89	84	81	94	99	102	103	106	101	99	102	104	102	87	87	91	91	87	84	86	90	92	95	96	98	101	98	82	80	91.5
	Minimum	69	67	68	65	68	69	70	68	67	70	69	73	76	72	69	70	66	65	63	64	57	51	69	70	66	73	72	75	68	67	59	68.7
Maysville	Maximum	74	83	86	92	89	98	91	93	101	105	103	103	100	101	104	99	99	99	97	91	87	94	90	97	95	94	96	102	95	90	82	95.8
	Minimum	64	64	63	61	70	70	67	69	70	69	73	76	74	77	76	70	68	67	66	66	64	58	70	74	72	75	75	75	73	72	63	70.1
Middlesboro	Maximum	76	79	88	91	87	96	91	92	92	96	96	94	98	98	99	90	89	89	89	89	89	88	84	89	79	88	89	93	92	86	78	89.0
	Minimum	68	68	67	64	72	68	67	69	68	70	65	69	75	67	68	68	67	66	66	65	62	60	68	70	68	74	73	73	69	72	63	68.1
Mount Sterling	Maximum	80	77	85	92	94	95	100	103	104	105	102	101	100	102	103	94	95	94	95	91	88	92	94	98	100	97	102	94	88	83	82	93.5
	Minimum	66	66	68	61	70	71	68	69	72	72	68	72	72	68	72	68	68	66	64	63	61	51	65	68	68	73	70	72	69	55	55	66.4
Pikeville	Maximum	84	78	87	87	86	82	90	94	99	102	97	100	99	99	103	91	91	94	91	87	90	95	91	87	90	102	94	90	90	77	79	91.5
	Minimum	66	68	68	67	67	63	68	69	67	64	70	64	66	72	70	69	68	70	68	69	68	63	71	68	70	76	74	74	73	70	60	69.2
Pineville	Maximum	88	81	76	92	84	86	93	101	103	102	102	103	103	101	103	98	95	97	99	92	89	93	91	98	89	91	93	98	97	79	77	93.7
	Minimum	68	68	64	67	67	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68.0
Princeton	Maximum	86	75	81	91	96	95	102	99	103	105	102	104	102	103	102	92	87	95	90	88	84	91	91	97	97	100	95	84	83	83	85	93.5
	Minimum	68	69	67	65	71	72	73	72	72	74	70	73	72	74	75	69	68	68	69	71	63	59	70	73	72	72	70	72	71	62	55	69.6
Russellville§§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Sonora	Maximum	86	80	87	92	94	94	100	102	104	106	104	104	104	106	106	96	94	94	94	90	88	92	92	96	94	98	100	100	96	88	86	96.1
	Minimum	68	68	67	64	72	71	74	74	73	76	70	72	73	74	76	70	70	70	70	68	68	64	69	70	70	74	74	74	74	69	64	71.4
Stanford	Maximum	84	78	84	90	88	88	93	97	100	102	103	98	101	101	101	92	88	92	92	86	85	88	88	92	88	92	96	98	88	81	82	92.0
	Minimum	68	68	67	64	72	71	74	74	73	76	70	72	73	74	76	70	70	70	70	68	68	64	69	70	70	74	74	74	74	69	64	71.4
Stanton	Maximum	86	78	87	94	94	94	98	100	102	104	102	102	102	104	104	94	92	94	94	88	86	90	90	94	92	96	98	98	92	84	84	94.0
	Minimum	68	68	67	64	72	71	74	74	73	76	70	72	73	74	76	70	70	70	70	68	68	64	69	70	70	74	74	74	74	69	64	71.4
Summersville	Maximum	86	78	87	94	94	94	98	100	102	104	102	102	102	104	104	94	92	94	94	88	86	90	90	94	92	96	98	98	92	84	84	94.0
	Minimum	68	68	67	64	72	71	74	74	73	76	70	72	73	74	76	70	70	70	70	68	68	64	69	70	70	74	74	74	74	69	64	71.4
Williamsburg	Maximum	103	90	74	85	94	91	96	98	100	104	103	98	101	101	101	92	88	92	92	86	85	88	91	96	92	96	98	98	92	84	84	94.0
	Minimum	67	67	67	64	68	69	72	68	71	70	71	71	68	72	68	70	69	65	66	63	53	63	71	75	74	71	73	77	62	49	47	67.5

§§ Instrument was read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

... one, frequent in previous years, dates missing from record.

W. B. of Louisville 8 to 24 106

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XLI LOUISVILLE, KY., AUGUST, 1936 NO. 8

GENERAL SUMMARY.

Moderate to heavy rains in the first week brought temporary relief from drought to most of the dry northern half of the State. These rains brought out silks on some corn stalks with dried tassels, and developed tassels on later stalks, with the result that limited pollenization occurred and ears formed. Much tobacco reached topping size after the rains. All late crops resumed their growth and improved for a time, but the dry weather that followed checked progress or caused additional damage. Growth slackened rather speedily in the dryness and excessive heat of the last three weeks. Corn hardened and ripened prematurely, followed by cutting in most sections. Tobacco fired so seriously, especially in the burley district, that it had to be cut.

Heavier and more general rains occurred in the southern counties in the same districts that received good rains in the preceding month. Growing conditions continued fairly good during most of the month in that part of the State, and were practically normal in limited areas. Toward the end, however, crops began to suffer in those southern localities that had received the lightest rainfall.

Pastures partly recovered in the northern counties, only to dry up again later in the month. Continued high temperature hastened the return of deterioration. In southern districts pastures remained fair to good during most of the month, but became more variable toward the end. The heat and drought practically stopped the development of late gardens in the middle and northern counties. Because of the extreme heat, field tomatoes failed to set much fruit. Such fruit as appeared often blistered or failed to mature. Late potatoes came up to a poor stand and grew slowly. Late forage crops sown after the rains had their growth much retarded. Third crop alfalfa gave light cuttings, and the fourth crop was even less promising. Undersized tree fruits also showed the extreme depletion of subsoil moisture. Considerable plowing occurred after the early rains, but gradually ceased as the ground dried out. In the uplands the hauling of water for livestock and domestic use increased toward the end.

TEMPERATURE.

At some northern stations the average temperature was the highest of record for this month. In the period 13-28th the daily excess ranged from 8° to 15° and maxima of 105 or higher were recorded almost daily. High night temperatures made this warm period much more uncomfortable than usual in this month. In average temperature and length of the hot period there was but little difference between this month and the month preceding. The extremes were 108° at Henderson on the 17th and 18th, at Williamsburg on the 19th and at Eubank and Greensburg on the 21st, and 43° at Greensburg on the 31st.

PRECIPITATION.

Precipitation for the State averaged about half the normal amount. Its distribution was extremely irregular, varying from merely a light shower or two in the Purchase to somewhat more than normal near the eastern boundary. Limited areas immediately east of the lower Cumberland, in the upper Cumberland Basin, and in the eastern mountain Region received from 3.0 to 5.0 inches. In the extreme western counties, parts of the lower Green River Valley, and the southern Bluegrass regions [illegible] much occurred. [illegible] ranged from [illegible] to 2.5 inches. Stored [illegible] and [illegible] in the [illegible] and [illegible] about half of the [illegible] [illegible] deficiencies [illegible] [illegible] [illegible]

Climatological Data for August, 1936.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Birmingham	Marshall										0.26		0.26	0	1					Tennessee Valley Authority.
Calhoun	McLean	437	32	83.2	+ 5.0	105	18†	50	31	39	2.04	−1.84	0.90	0	3	0	31	0	sw.	W. A. Taylor.
Earlington	Hopkins	420	46	83.7	+ 5.5	105	18†	49	31	40	1.71	−1.54	0.90	0	6	24	5	2	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	7								1.99		1.85	0	4					Lockmaster.
Greenville	Muhlenburg	519	19	81.4	+ 5.3	105	18†	45	31	43	1.55	−1.91	0.80	0	2	26	5	0	s.	C. R. Lovell.
Henderson	Henderson	382	22	84.8		108	17†	52	31	49	0.25	−2.97	0.16	0	2	16	11	4	s.	Richard Stites
Hopkinsville	Christian	524	40	81.8	+ 3.9	106	27	49	31	39	3.29	−0.25	2.19	0	5	9	8	14	se.	W. K. Graves.
Lovelaceville	Ballard		7	82.6		105	18†	47	31	39	0.26		0.16	0	2	27	4	0	s.	Blaine Malone.
Mayfield	Graves	364	27	82.8	+ 5.8	104	17†	58	31	34	0.26	−3.46	0.13	0	3	19	12	0	s.	Mrs. Joe Payne.
Murray	Calloway	412	10	82.2	+ 4.6	105	17†	47	31	43	0.83	−2.46	0.28	0	5	17	14	0	s.	Harry B. Arnold
Owensboro	Daviess	479	39	81.0	+ 5.1	103	18†	47	31	40	1.04	−2.40	0.46	0	3	21	6	4	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	3								1.27		0.87	0	8					Lockmaster.
Paducah	McCracken	516	19								0.59	−3.15	0.50	0	2					C. J. Rhodes.
Princeton	Caldwell	529	29	82.8	+ 5.5	105	27	51	31	38	5.14	+1.54	4.95	0	6	7	24	0	s.	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	384	19								1.79	−2.43	1.15	0	2					Lockmaster.
Russellville	Logan	590	25	81.2	+ 4.2	103[b]	18†				1.39	−1.72	0.68	0	7					Wm. Shelton.
Uniontown, Dam 49	Union	357	8								1.14		0.87	0	3					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	8								2.83		1.75	0	6					Lockmaster.
Anchorage	Jefferson	700	35	78.4	+ 2.9	99	27	48	31	48	4.58	+0.93	1.44	0	10	5	20	3	sw.	C. E. Barret.
Bowling Green	Warren	500	47	83.6	+ 5.4	106	28	58	31	32	2.94	−0.69	1.34	0	4	14	14	3	s	Mrs. Lillie G Causey.
Brownsville, Lock 6‡	Edmonson	410	19								0.72	−3.53	0.41	0	6					Lockmaster.
Burnside	Pulaski	705	45								2.13	−2.28	0.82	0	8					T. A. Lewis
Carrollton, Lock 1	Carroll	480	37								2.27	−1.68	0.64	0	5					Lockmaster.
Cold Spring, Dam 36	Campbell	489	10								4.39	+0.75	0.83	0	9					Lockmaster.
Danville	Boyle	540	3	80.2		105	21	51	31	36	1.26	−2.43	0.83	0	3	12	18	1	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	8	82.0	+ 5.4	106	21	50	31	36	0.76	−2.90	0.48	0	4	20	9	2	s.	C. W. Williams.
Eadsville	Wayne	622									0.80		0.41	0	4					Lockmaster.
Eubank	Pulaski	1177	42	78.9	+ 5.0	103	21	45	†30	40	3.89	−2.39	0.64	0	6	17	10	3		Mrs. Katie Payne.
Frankfort	Franklin	560	41	81.2	+ 6.0	105	†19	48	31	41	1.68	−2.02	0.79	0	7	20	8	3	sw.	Lockmaster.
Gest, Lock 3	Henry	490	25								1.70	−1.86	0.60	0	7					Lockmaster.
Glasgow	Barren	780	10	81.2		105	†21	50	†30	39	2.13		1.30	0	2	29	2	0	s.	R. L. Beatty.
Grant, Dam 38	Boone	780	11								2.86	−0.49	0.97	0	9					Lockmaster.
Greensburg	Green	581	43	80.0	+ 4.8	103	21	43	31	47	1.23	−2.95	0.63	0	2	5	5	21	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	34								2.02	−1.76	1.65	0	5					Lockmaster.
Irvington	Breckinridge	646	38	83.2	+ 7.3	103	21†	50	31	36	0.85	−2.65	0.63	0	6	15	12	4	sw.	W. J. Piggot.
Jamestown	Russell	960																		N. B. Falkenberg.
Lancaster	Garrard	1032	10								0.66	−3.38	0.26	0	4					Walter Killion.
Leitchfield	Grayson	635	40	81.8	+ 6.2	104	27†	49	31	38	1.13	−2.59	0.52	0	6	12	18	1	sw.	H. H. Willis.
Lexington	Fayette	989	52	81.5	+ 7.0	105	19	51	31	35	1.26	−2.19	0.52	0	9	20	10	1		U. S. Weather Bureau
Littlefickman, Lock 8¶	Jessamine	580	25								0.90	−3.14	0.45	0	3					Lockmaster.
Lockport, Lock 2	Henry	485	26								2.10	−1.68	0.92	0	4					Lockmaster.
Louisville	Jefferson	459	63	83.0	+ 6.0	101	19	59	31	30	2.21	−1.01	1.29	0	7	13	15	3	sw.	U. S. Weather Bureau.
Mammoth Cave	Edmonson			80.4		104	27	45	31	42	1.33		0.46	0	5	20	10	1	sw.	Ivan J. Ellsworth.
Marrowbone	Cumberland	635																		G. R. Davis.
Monticello	Wayne	910																		E. O. Cooper.
St. John	Hardin	777	40	81.8	+ 7.0	107	17†	45	31	47	1.58	−2.85	1.10	0	4	27	3	1		Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	22								0.79	−2.75	0.48	0	4					Lockmaster.
Shelbyville	Shelby	825	47	82.0	+ 6.8	105	19†	62	31	36	1.45	−2.24	0.73	0	6	13	2	16	s.	Miss Ruth Ratta.
Stearns	McCreary	1109									4.04		1.85	0	9	9	16	6	nw.	Geo Wright
Taylorsville	Spencer	489	34	78.6	+ 4.4	101	19	45	31	37	1.55	−1.95	0.42	0	7	27	3	1		Elizabeth J. Bourne.
Tyrone, Lock 5¶	Anderson	524	18								1.68	−2.28	0.76	0	5					Lockmaster.
Williamstown	Grant	943	33	83.0	+ 8.7	107	19	52	31	39	1.91	−1.82	0.65	0	6	27	1	3	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	19								3.14	−0.69	1.24	0	8					Lockmaster.
Eastern Division.																				
Annville	Jackson		5								2.08		0.70	0	8	10	14	7		W. A. Worthington.
Ashland	Boyd	534	17	78.8	+ 4.0	103	21†	51	31	33	4.65	+0.89	1.31	0	11	15	5	11	sw.	Lockmaster.
Barbourville	Knox										3.80		2.00	0	3					Mrs. Ralph Tuggle.
Berea	Madison	1070	31	80.9	+ 6.4	105	21	51*	31	34*	0.63	−3.58	0.28	0	5	10	20	1	sw.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	26								2.83	−3.27	0.56	0	4					Lockmaster.
Cynthiana	Harrison	684	18								3.26	−0.64	1.10	0	6					P. H. Kehoe.
Falmouth	Pendleton	600	47								3.34	−0.64	0.96	0	10					J. V. Oldham.
Farmers	Rowan	668	28	78.4	+ 5.1	106	19	45	31	41	2.41	−2.03	0.94	0	9	9	17	5	e	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	11								2.81	−2.05	1.11	0	7					C. A. Glascock
Ford, Lock 10¶	Clark	637	20								1.83	−2.51	0.69	0	9					Lockmaster.
Greenup, Dam 30	Greenup	1197	8								6.76	+3.27	2.25	0	12					Lockmaster.
Hazard	Perry	869	12								3.84	−0.17	0.90	0	10					Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	663	19	79.4		105	19	45	31	40	1.73	−2.19	0.88	0	10	5	14	12	nw.	Lockmaster.
Jackson	Breathitt	540	16								2.85		0.90	0	8					Jas. T. Goff.
Jenkins	Letcher	776									3.57	−0.27	1.09	0	11					R. J. Hiward.
Lancaster	Rockcastle	950		80.1		105	18†	41	31	48	6.46		0.31	0	2	21	7	3		B. H. Griffin.
Louisa	Lawrence	584	32								3.88	−0.28	1.25	0	9	6	20	5		Lockmaster.
Maysville	Mason		16	78.9	+ 3.7	104	21	50	31	37	5.78	+1.88	1.55	0	10					Lockmaster.
Middlesboro	Bell	924	39								2.72	−1.84	1.30	0	6	16	15	0		Matthew Woodson
Mount Sterling	Montgomery	1128	40	79.9	+ 5.9	105	19	47	31	39	1.05	−3.12	0.70	0	2	23	7	1	w.	W. R. McKee.
Oneida	Clay	930	46								2.74		1.60	0	7					Joe L. Gay.
Oneonta, Dam 35¶	Campbell	497	9								2.19	−2.25	0.56	0	10					Lockmaster.
Paintsville	Johnson	567	2								7.75		2 16	0	13					Manuel Robinson.
Pikeville	Pike	696	30	78.8		101	21	54	31	33	4.45	+0.23	1.28	0	10	9	13	9		U. S Weather Bureau.
Pineapass	Knott	1035	2	78.8		104	21	49	31	37	3.49		0.51	0	13	11	13	7		Cenes Run Com. Cen.
Quicksand	Breathitt	722	10	78.0	+ 4.3	105*	21	49*	31	41*	4.08	−0.49	1.10	0	9					R. W. Jones.
Raccoon, Lock 12	Estill	631	18								0.57	−4.07	0.36	0	4					Lockmaster.
Richmond	Madison	926	45	81.4	+ 5.9	105	22	53	31	30	1.65	−2.81	1.00	0	6	18	0	13		J. W. Crooke.
Valley View, Lock 9	Madison	591	23								1.39	−2.61	0.38	0	7					Lockmaster.
Vanceburg, Dam 32	Lewis	525	21								3.71	+0.23	1.00	0	12					Lockmaster.
Wheelersburg	Whittley	929	39	81.1	+ 5.0	108	19	46	31	41	4.68	−3.05	0.49	0	8	15	6	10		John W. Stephens.
Willow, Lock 13	Lee	646	17								2.80	−0.87	0.78	0	8					Lockmaster.
State averages and extremes				81.1	+ 5.3	108	17†	43	31	49	2.22	−1.48	4.95	0	6	16	11	4		

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, [a], [b], [c] appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.

¶Post-office addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Omeonta, California, Ky.

Daily Precipitation for August, 1936

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Birmingham T						.20																										
Calhoun G				T.	.45	.90				.60													T	T		T		T				
Earlington G			T.		.10	.90				.48	.03																					
Fords Ferry Dam 50 O					T	1.85					.02							.07														
Greenville C				.80		.75												.05														
Henderson O																																
Hopkinsville C	T.									.05																						
Lovelaceville M	.10		.17		.78	2.19					.01				T								T									
Mayfield M	T.	.09					T			.01																						
Murray T	.23	.10		T.		.10	T			.12	T						T				T										
Owensboro O						.10				.45																						
Owensboro, Dam 46 O						.87				.20							T						T									
Paducah O		T				.50																										
Princeton G	F.	.02		.01	.03	.95	T.			.05							T				I		T									
Ramsey, Lock No. 2 G						1.15				.60																						
Russellville G		.65	.04		.35	.65				.15																						
Uniontown, Dam 49 O																	.06															
Central Division							.10			.87																						
Addison, Dam 45 O					T.	1.75				.09	.03																					
Anchorage O				.83	.98	1.44				.63	.02							.74				.17	T									
Bowling Green G		T			1.15	1.34	.15			.80					.05		.02														
Brownsville, Lock No. 6 G			.08		.04	.41				.12	.02													.06			.51					
Burnside C		.05	T.			.48	.11				.07															.82						
Carrollton (Lock No. 1) K					.31	.64	.37								.36																	
Cold Spring, Dam 36 O					.14	.48	.83							T	.03	.71	T.			T.		.70									
Danville K						.33																										
Dix Dam, Burgin K					.43	.05							.10										.85		.10							
Eadsville C						.05	.05			.41														.18								
Eubank C						.13	.14			.34	.64			.24																		
Frankfort K					.32	.79	.13							.17		.08							T.	.40								
Gest, Lock No. 3 K					.08	.56	.60				T.				T.												.11		.05			
Glasgow G	T.					1.30				.85														.11		.06	.12	T.	.17			
Grant, Dam 33 O					.41	.97	.10								T.	.04						.28			.36	.05		.14	.51			
Greensburg G				T.	.63		.60	.63																				.33		T		
High Bridge, Lock No. 7 K					.12	1.04	.03																									
Irvington O										.03																						
Jamestown C	T.	.10				.20				1.53																						
Lancaster K					.16							.02																				
Leitchfield G	T.			.11	.52	.22				.10	T.						T.							.22								
Lexington *** K			T.	.01	.03	.42				.01		.02												.02								
Little Hickman, Lock No. 8 K						.85								.45								.10	.02	T.	T.		.52					
Lockport, Lock No. 2 K					T	.92	.41																		T.			.10				
Louisville*** O																									T.	T		.52	.25			
Mammoth Cave G			.36	1.22										T			T.				.02		T.	T.				.10			
Marrowbone C			T.	.27	.12	.42				.06		.46																.40		.13			
Monticello C																																
St. John																																
Salvisa, Lock No 6 K					1.10	.28				T.	.10																					
Shelbyville					.12	.48								.07										T.								
Stearns					.15	.73	.05									.09												.12		.10			
Taylorsville S								1.85			.25			.45								T.						.39		.13			
Tyrone, Lock No. 5 K				.89	.39	.42				T.		T.			.05										.91					.60		
Williamstown G					.20	.42	.10							.76		T.						.16	T.		T.			.04		.10		
Woodbury, Lock No. 4 G					.60	.08	.65							.16									T.									
Eastern Division		.41	.26		.36	1.24	.06			.53									.09			.19						.12		.30		
Annville O																																
Ashland O				.18		.70	.09				.05	.44		.16																		
Barbourville O						.03	.95				.06			.33	.62		.10						T.			.01	1.31	.19	1.02		.03	.13	
Berea K	.03									1.77																				.03		
College Hill, Lock No. 11 K						.09	.01							2-															I	2.00		
Cynthiana L				.26		.64								.50										.18					.07			
Falmouth L						1.10	.15								1.10	T.							T.									
Farmers L				.96	.16	.24								.12	T.	.18					T.		T.		.31			.35		.25		
Fleemingsburg L						.32	.94	.05		.11					.02		.06								.01	.73		.01	.07	.25		
Ford, Lock No. 10 K					.18	.56								.13											.25	.20		.40				
Greenup, Dam 30 O			T.		T.	.17	.07							.27	T.										1.11	.39	.86			.08		
Hazard K				.19	.69	.21	.25							.28	.76	T.	.40							.09	.02	.01	.25		.30		.01		
Heidelberg, Lock No. 14 K				.08	.05	.20	.04		.51						.06		.65									1.15	2.25	.19	1.92		.06		
Jackson K				.17		.61	.06		.05					.88	T.		.14									.27	.47	.05	.20				
Jenkins B					.03	.20											.35				.05				.20		.02	.14	.06	T.		
Livingston C					.22	.17	.79			.02				T.			.61							.70	.12	.50	.90						
Louisa B						.31			.5																1.09	.17	.11	.15	.16	.08		
Marysville O						.10	.51							.60	.24		.20									.07		.12	1.50				
Middlesboro C					.33	.29	.70							.09	.27	1.40									.31	.63	.04	1.25				
Mount Sterling L					.76						.17	.30													.88	.12		1.55		.20		
Oneida C						.70								T.												.07		.12	1.50				
Oneonta Dam 35 O				.04	1.00	.02											.55							.35	T.							
Paintsville B				.28	.16	.56								.09	.01	.35							T.	.46		.14			.57			
Pikeville B					.10	.50				2.16				.76	.17		.48								.25		.18	.25	.06			
Pippapass K			.06		.10	.68	T	T.	T.		.01		.20	.17		1.28								.14	.60	.42	.02	1.74	.05	.36		
Quicksand K						.70	T						.05	.37		.48								.79	.18	.51	.20		.31			
Ravenna, Lock No. 12 K					.10	.39	.50																	.51	.01	.50	.45	.08	.14	.03		
Richmond K				.06		T								.36			.27							1.10		.41		.46	.09	.16		
Valley View, Lock No. 9 K						.20								1.00										.10	T		T		.05			
Vanceburg, Dam No. 32 O				.13	.24	.14								.08										.10	.05		.15	.15				
Williamsburg C			.06	.07	.32	.57								.32	.50	.03	.30							.12		.83		.38		.05		
Willow, Lock No. 13 K			.05		.15			.17		.11				.35											.28		1.00		.14		
			.10		.10									.78											.05		.32		.49		
																	.65								.37		.05	.64	.30	T.		

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‡ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C)Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for August, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Calhoun	Maximum	86	90	92	96	95	84	88	90	94	93	97	98	96	98	98	99	102	105	104	102	104	100	95	98	98	101	105	104	95	88	89	96.0
	Minimum	60	66	70	80	71	70	66	63	65	67	69	72	74	73	76	78	74	72	75	70	74	76	76	75	74	74	78	73	66	56	50	70.5
Earlington	Maximum	89	87	93	98	99	87	88	92	95	94	96	97	97	96	98	102	104	105	103	104	101	104	101	96	98	99	111	105	104	86	88	99 5
	Minimum	59	71	70	75	73	70	64	61	63	68	67	70	76	76	78	78	78	75	73	76	72	75	71	78	76	76	76	79	78	72	52	49	70.9
Greenville	Maximum	85	90	91	97	95	85	88	89	93	92	95	95	95	96	97	101	103	107	105	103	104	101	96	98	94	100	105	104	94	84	88	98.9
	Minimum	57	67	66	68	67	68	65	59	61	65	64	68	67	69	74	74	72	68	65	69	71	71	74	72	73	70	74	69	67	49	45	66.8
Henderson	Maximum	89	96	98	99	97	95	93	96	99	101	106	103	101	99	101	100	108	108	106	106	104	103	97	100	97	102	101	103	97	99	101	100.0
	Minimum	58	61	63	72	65	67	68	71	68	62	78	67	73	74	71	76	75	81	78	71	77	76	76	74	79	72	78	67	61	58	52	69.6
Hopkinsville	Maximum	86	86	88	95	93	86	89	90	89	86	93	94	94	94	97	99	103	103	102	102	101	99	95	98	97	100	106	104	94	86	88	94.6
	Minimum	59	70	67	70	68	68	66	62	67	70	68	69	70	68	74	73	73	71	70	70	73	74	76	73	72	72	76	75	71	69	65	49	69.0
Lovelaceville	Maximum	88	89	94	95	98	87	89	94	99	95	100	103	100	99	100	103	104	105	103	103	102	98	99	98	100	105	103	95	89	91	97.7
	Minimum	56	67	62	71	70	71	64	64	67	72	63	66	68	68	71	73	71	72	67	67	72	71	75	71	72	71	73	69	68	58	47	67.6
Mayfield	Maximum	82	85	89	97	98	90	90	97	97	97	97	97	97	97	98	101	104	104	103	102	102	101	98	97	98	100	104	103	95	88	92	96.0
	Minimum	58	67	65	72	71	71	66	67	69	69	67	70	71	70	73	74	73	73	73	71	75	74	72	73	73	73	73	72	67	57	58	69.7
Murray	Maximum	85	89	92	97	98	90	93	93	98	97	98	99	99	100	100	103	105	104	103	103	105	98	100	99	99	101	105	102	84	87	90	97.3
	Minimum	66	66	60	70	70	70	66	63	66	70	64	64	67	65	73	73	71	72	70	68	74	73	70	70	70	70	70	69	68	53	47	67.0
Owensboro	Maximum	88	88	91	95	95	82	85	89	92	89	93	95	95	95	96	97	102	105	102	100	102	100	92	96	96	99	102	103	84	80	87	94.0
	Minimum	61	68	65	71	68	69	65	67	67	68	66	70	71	70	73	74	72	68	72	67	73	73	72	72	72	70	72	71	65	54	47	68.1
Princeton	Maximum	86	89	95	95	98	86	87	91	92	92	95	95	95	95	98	102	104	104	104	102	100	99	96	97	98	103	105	102	89	84	89	95.5
	Minimum	61	69	67	74	71	70	67	65	67	72	67	71	72	71	75	74	75	74	71	71	75	74	76	75	73	72	73	72	70	56	51	70.1
Russellville§§	Maximum	83	..	..	..	..	79	85	90	91	85	93	95	95	95	95	96	99	102	103	103	103	102	..	..	..	..	..	..	..	..	..	..	[a]94.4
	Minimum	60	63	67	67	67	67	66	61	63	66	66	69	70	69	71	71	72	70	71	70	72	72	72	..	..	..	..	..	..	..	..	..	[b]67.9
Central Division.																																	
Anchorage	Maximum	86	86	90	93	86	79	78	86	87	88	90	92	91	87	91	90	95	96	98	97	96	97	91	94	95	95	99	97	79	79	80	89.9
	Minimum	65	69	68	68	68	68	65	60	59	66	68	65	70	72	72	75	68	75	72	68	77	72	71	73	68	71	69	68	56	51	48	66 9
Bowling Green	Maximum	89	90	94	96	90	85	86	88	93	95	95	96	96	97	98	101	105	105	103	103	105	99	98	99	100	102	101	106	95	87	90	98.8
	Minimum	65	69	70	70	68	67	66	65	67	67	70	72	73	73	73	75	75	78	76	76	76	76	74	74	75	75	74	74	68	58	58	71.3
Danville	Maximum	86	92	93	95	95	85	85	90	94	90	95	96	96	96	100	98	100	103	104	102	105	102	97	97	97	98	101	101	93	81	84	95.2
	Minimum	59	64	74	64	66	66	63	60	63	65	64	64	68	68	68	68	68	67	69	68	70	67	68	67	67	68	68	66	66	58	51	65.3
Dix Dam	Maximum	88	91	91	94	95	82	86	93	96	94	96	96	96	96	97	100	103	103	104	103	105	103	103	103	104	105	105	103	100	103	100	98.5
	Minimum	62	68	69	67	70	68	65	61	62	65	68	70	72	71	73	78	70	72	74	68	75	75	75	73	73	78	76	68	68	53	50	68.6
Eubank	Maximum	90	92	93	92	95	86	89	96	84	92	97	96	94	94	95	97	94	93	94	101	105	105	85	93	96	98	102	102	86	85	83	93.9
	Minimum	63	67	65	65	64	61	63	65	61	59	66	61	66	63	63	66	69	65	69	65	69	65	63	69	69	70	67	67	69	45	45	61.0
Frankfort	Maximum	88	90	92	94	92	84	86	91	94	91	96	97	97	97	94	95	97	99	97	103	104	105	101	98	98	101	103	103	92	81	88	94.2
	Minimum	60	65	67	68	68	71	69	58	61	63	68	65	69	72	71	73	68	67	72	69	71	71	72	74	72	73	73	73	67	55	49	69.4
Glasgow	Maximum	81	87	91	95	93	85	85	89	92	84	93	93	94	93	92	93	102	102	103	103	105	100	97	97	100	101	105	103	90	85	89	94.4
	Minimum	62	68	68	66	69	68	66	63	63	68	65	68	70	80	81	70	70	67	69	68	71	72	73	72	70	70	68	71	72	50	50	68 0
Greensburg	Maximum	85	89	92	94	96	87	86	91	94	89	96	98	94	97	95	99	105	106	106	105	108	104	98	100	102	103	106	105	94	86	90	96 7
	Minimum	58	65	65	62	66	66	64	64	59	66	63	64	68	66	68	71	67	64	65	64	66	68	66	64	67	70	67	65	63	48	43	64.4
Irvington	Maximum	88	89	91	96	96	86	85	90	93	91	96	97	95	96	97	97	102	102	102	101	101	101	96	98	98	99	103	102	98	83	86	95.4
	Minimum	61	70	71	72	70	70	67	64	62	71	69	71	75	75	77	78	70	75	79	70	76	77	74	76	75	73	73	75	68	55	50	71.0
Leitchfield	Maximum	87	88	91	94	92	84	85	88	90	88	94	94	94	95	94	97	104	100	103	102	104	105	96	95	93	101	103	103	92	81	88	94.2
	Minimum	62	68	70	70	67	70	65	64	61	72	70	68	73	72	73	76	71	70	74	72	75	76	75	73	73	73	75	73	67	55	49	69.4
Lexington	Maximum	90	91	92	96	94	81	86	93	94	92	97	98	97	98	98	97	101	100	99	101	100	100	97	98	99	97	97	101	100	81	86	95.0
	Minimum	60	66	71	67	68	66	65	62	65	67	67	67	72	72	76	69	71	71	76	71	73	73	73	71	72	74	74	74	66	60	54	51	68.0
Louisville	Maximum	87	87	89	91	93	82	84	90	91	90	94	95	96	94	96	95	100	99	101	100	100	101	100	96	96	97	98	100	92	78	84	92.7
	Minimum	64	71	72	74	71	71	67	66	66	72	72	71	77	78	78	80	77	75	83	78	81	82	79	78	78	78	78	76	67	61	59	73.2
Mammoth Cave	Maximum	81	85	91	94	91	81	84	88	92	85	92	97	92	93	90	92	103	103	103	102	103	102	102	94	97	99	101	102	93	83	87	94.2
	Minimum	59	68	68	68	67	65	63	59	58	68	64	60	71	71	72	74	67	69	71	67	71	73	75	73	73	73	73	71	71	70	68	45	66.5
St. John	Maximum	87	85	93	93	90	85	85	91	90	90	95	97	97	97	98	98	107	104	107	104	104	104	96	96	96	97	101	103	102	105	99	87	92	96.1
	Minimum	60	67	68	66	66	70	65	62	60	69	67	67	71	72	78	76	69	68	75	67	72	72	75	75	77	71	70	74	68	69	59	45	67.6
Shelbyville	Maximum	90	90	93	95	91	80	81	91	94	94	95	97	98	93	97	97	100	103	105	101	102	104	100	101	102	100	104	104	89	80	86	95.6
	Minimum	59	65	66	67	68	65	61	62	66	66	67	70	72	72	74	73	71	71	78	71	73	73	73	72	72	72	74	72	70	63	62	68.5
Taylorsville	Maximum	84	88	88	91	88	81	82	86	88	88	90	91	94	92	96	94	97	99	101	99	100	97	94	94	96	97	100	101	84	77	82	91.4
	Minimum	57	65	66	64	68	70	64	59	60	64	65	64	69	72	70	73	67	68	68	65	70	71	71	73	70	69	70	68	68	59	45	65.8
Williamstown	Maximum	93	92	95	94	92	82	88	95	97	98	98	100	98	92	96	97	98	100	101	104	103	105	104	103	101	100	104	103	97	86	87	96.8
	Minimum	59	66	70	70	68	70	63	63	64	68	67	65	74	73	73	76	73	74	77	71	76	76	76	75	74	71	71	65	68	55	52	69.1
Eastern Division.																																	
Ashland	Maximum	86	93	84	96	84	83	86	91	85	90	91	95	94	81	92	91	91	92	102	98	103	103	98	93	96	97	96	93	86	78	78	90.5
	Minimum	57	64	68	68	71	71	64	63	67	69	65	63	66	67	74	76	66	62	71	72	70	75	72	74	70	69	67	65	65	66	51	67.0
Berea	Maximum	81	90	91	96	90	84	84	91	94	94	92	95	97	98	97	99	101	103	104	102	104	104	101	98	98	101	102	103	97	92	89	94 6
	Minimum	62	66	71	69	69	69	64	61	69	67	65	68	70	69	73	75	70	70	77	70	..	..	..	..	..	..	..	..	..	..	..	.....
Farmers	Maximum	91	93	91	99	91	85	92	95	91	93	97	95	88	97	95	97	95	97	98	102	105	104	98	91	98	98	98	97	92	79	84	94.6
	Minimum	52	59	63	59	67	68	61	58	63	61	60	61	67	70	68	64	60	65	67	68	65	66	65	65	65	70	64	68	65	60	67	49	45	62 3
Heidelberg	Maximum	86	89	89	96	91	87	87	93	94	90	96	97	92	94	95	96	100	102	105	103	103	102	96	92	97	99	101	101	80	83	85	94.3
	Minimum	55	63	65	62	64	70	67	64	64	64	63	66	66	67	68	69	67	65	69	64	67	69	67	65	70	64	68	68	70	56	45	61 6
Livingston	Maximum	96	90	92	83	99	97	93	96	94	95	97	99	99	98	98	101	104	103	105	105	102	103	98	100	101	102	105	104	89	86	89	97.0
	Minimum	59	62	64	59	60	71	60	64	59	63	58	59	61	65	67	66	64	62	65	62	65	68	67	69	64	67	65	63	72	48	41	62 6
Maysville	Maximum	88	91	95	96	93	80	80	92	95	92	93	98	96	98	94	92	92	103	98	104	101	97	97	96	95	97	97	98	86	78	82	92 8
	Minimum	51	61	67	65	68	69	59	59	60	64	65	64	69	72	70	73	67	68	68	65	70	71	71	73	70	69	70	66	68	59	45	65.8
Middlesboro	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mount Sterling	Maximum	89	91	91	97	95	81	80	90	95	91	95	98	95	86	96	97	98	101	105	102	104	104	98	94	98	98	102	102	83	82	86	94 8
	Minimum	59	63	68	63	61	64	63	61	63	65	63	66	65	69	70	73	67	68	72	67	72	70	71	70	71	70	68	68	68	49	47	65 0
Pikeville	Maximum	86	89	91	96	96	83	83	88	93	88	93	94	94	90	96	94	94	96	101	98	101	100	94	95	96	96	97	96	84	83	87	91 8
	Minimum	54	61	64	65	66	70	71	65	62	65	62	65	64	66	67	69	70	65	67	69	70	65	67	69	69	69	72	70	71	70	68	69	54	65 8
Pippapass	Maximum	85	89	90	95	93	81	85	88	93	87	92	96	94	94	95	95	96	93	102	102	103	104	102	97	98	95	95	100	98	88	81	86	92 6
	Minimum	55	61	64	68	64	68	66	64	63	61	68	67	65	69	65	68	69	65	69	67	70	67	67	69	66	69	67	63	68	54	49	63	[c]54.2
Quicksand	Maximum	92	90	89	96	95	87	85	90	94	85	96	97	93	..	97	96	94	102	104	103	106	105	95	97	98	98	102	103	92	85	89	95	[d]63 6
	Minimum	54	60	63	62	65	67	67	62	63	64	65	61	64	72	69	70	66	64	67	62	65	67	66	70	64	68	63	62	63	55	49	[e]53 8
Richmond	Maximum	83	88	85	90	93	82	82	87	90	90	90	95	93	90	93	94	93	100	103	102	105	103	93	94	97	101	101	100	86	82	80	83	92 8
	Minimum	60	68	70	70	70	70	65	63	68	70	68	70	73	70	72	75	72	73	76	73	77	78	75	75	73	72	76	67	67	74	56	69	69 9
Williamsburg	Maximum	84	91	91	97	98	88	91	94	96	95	100	97	93	96	98	101	105	108	105	108	106	102	99	98	97	101	105	104	97	86	85	96 8
	Minimum	61	65	65	63	67	69	69	64	65	69	64	64	67	65	69	70	67	68	69	67	67	70	69	69	67	68	70	66	67	51	47	65 7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

a, b, c, etc. Indicate respectively 1, 2, 3, etc., days missing from record.

d, e, f. Louisville, 9-26-36, 110°.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

USE LIBRARY OF THE
OCT 1 1936
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

J. L. RENDALL.

VOL. XLI LOUISVILLE, KY., SEPTEMBER, 1936 No. 9

GENERAL SUMMARY.

Improvement in late crops, especially tobacco, followed the moderate to heavy rains early in the first week. The abnormal heat of the second decade caused such rapid loss of soil moisture that growth was soon checked. Pastures improved temporarily in about half of the State, then suffered further deterioration. Largely due to the effect on maturity of the high temperature that prevailed during the first three weeks, the cutting of burley tobacco was completed before the close of the month. Some late tobacco of the dark variety remained out in the western counties. Prior to the rains and change to cooler near the end, the weather was exceptionally favorable for air curing. Corn dried very rapidly and cutting advanced toward completion.

Heavy rains that visited most of the State early in the last week came too late for most corn and tobacco. Some very late corn in the roasting ear stage, that remained in the western bottoms, was helped; but cool weather and lack of sunshine after the rains delayed its development. Late potatoes were also benefited, but their growth had been so retarded by the preceding dry weather that they required a prolonged and very favorable growing season to mature. Field tomatoes, which had suffered severely in the heat and drouth, recovered to some extent. The most important results of these rains were their beneficial effects on plowing and seeding, the restoration of pastures, and the replenishment of water supplies for livestock. The moisture greatly improved the seedbed in land already prepared, made possible more thorough preparation, and insured germination of grain recently sown or yet to be planted. In some southern and eastern counties the soil remained too dry for satisfactory seeding.

Corn cutting and some early husking revealed that what appeared to be an ear was often merely a cob with scattered grains. This effect of the extreme heat at time of pollenization was shown to have caused more extensive damage to early corn than its appearance indicated.

The cloudy weather, with low temperature and cold winds, in the last week was unfavorable for all growth. Pastures revived slowly, and late vegetables made poor progress.

TEMPERATURE.

Except on a few days at the beginning and near the end, the temperature was continuously above normal. The daily excess ranged from 5° to 15° in the periods 5-16th and 20th-23d. Maxima of 95° to 100° were registered at nearly all stations in the warmest interval from the 8th to 16th. The nights were relatively warm until the 23d. The highest was 101° at Mammoth Cave on the 12th, Lexington on the 14th and Eubank on the 16th. The lowest was 41° at Maysville on the 25th.

PRECIPITATION.

Precipitation for the State averaged considerably above normal, but varied greatly in different regions. It was far in excess of normal in some central and western counties, but was less than the seasonal average in large southern and northeastern areas. From the central bluegrass region westward and in a few eastern mountain counties, amounts ranged from 4.0 to 6.0 inches. Toward the northeast, south, and southeast from this moist area the rainfall decreased irregularly to less than 2.00 inches at some stations near the border of the State. Except for a few northeastern and southern counties, the region that was driest in the preceding month received the heaviest rains in September. [illegible] rains occurred generally in the period 2d-4th, and 26d-28th. Local to nearly local showers, irregularly distributed, were reported in the period 8-16th, 14-16th, 19th, 21st, and 28-29th. Very little precipitation occurred in the 5th. The range for the State was between 1.15 inches at Stearns, McCreary County, and 6.54 inches at Ford's Ferry, Crittenden County. Days with thunderstorms were: 1, 4, 5, 9, 13, 16, 22, 23, 27, 28.

MISCELLANEOUS.

Sept. 9.—Hail caused heavy damage to tobacco in the southern part of Carter County.

Breese. Very little run off resulted from the heavy rains. Pool stages prevailed in all streams during the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Relative humidity. Date.	7 a. m.	1 p. m.	7 p. m.	Percentage of possible sunshine.
Cairo ..... Ill.	29.98	30.27	17	29.62	2	7.6	34	n.	9	86	60	70	70
Cincinnati ..... Ohio	30.04	30.34	17	29.72	2	6.8	21	sw.	15	84	56	69	71
Evansville ..... Ind.	30.01	30.28	17	29.69	2	8.3	29	s.	2	78	56	69	74
Louisville ..... Ky.	30.04	30.31	17	29.75	2	9.4	26	n.	24	79	57	69	70

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature. Mean.	Highest.	Lowest.	Precipitation. Average.	Average snowfall	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	72.1	101	36	1.25	..	..	..	..	..
1890	67.0	96	36	2.71	..	..	..	..	..
1891	69.5	97	42	1.89	..	..	..	..	..
1892	68.5	93	38	2.68	..	..	..	..	..
1893	69.6	99	43	3.24	..	..	..	..	..
1894	71.7	98	37	3.51	..	..	..	..	..
1895	73.4	101	27	1.10	0	3	19	7	4
1896	75.6	100	39	3.77	0	8	14	9	7
1897	72.8	105	51	6.21	0	7	21	4	5
1898	74.4	103	42	4.36	0	1	17	8	5
1899	68.7	105	37	1.66	0	5	18	8	4
1900	74.6	102	35	2.25	0	5	15	9	6
1901	68.1	97	33	3.57	0	6	18	7	5
1902	67.3	97	29	4.01	0	6	13	11	6
1903	69.1	100	32	0.91	0	10	21	5	4
1904	71.1	99	34	2.58	0	4	15	11	4
1905	70.2	95	36	2.61	0	8	16	8	6
1906	73.0	97	45	6.15	0	6	11	7	12
1907	69.1	102	38	3.60	0	13	17	5	8
1908	71.6	101	39	1.63	0	6	18	7	5
1909	65.7	97	32	2.51	0	6	18	8	4
1910	71.8	99	38	1.41	0	6	14	11	5
1911	74.3	99	46	3.71	0	9	13	8	9
1912	71.0	103	33	2.80	0	10	18	6	6
1913	69.6	100	29	2.49	0	7	13	11	6
1914	67.8	97	36	2.96	0	9	18	7	5
1915	70.7	99	32	3.32	0	6	17	8	5
1916	67.2	98	32	3.48	0	7	20	5	5
1917	67.7	98	34	2.56	0	5	15	8	7
1918	67.8	92	39	2.94	0	5	15	9	6
1919	71.5	102	40	1.46	0	3	20	7	3
1920	70.8	96	38	3.30	0	4	11	8	11
1921	73.5	99	45	5.37	0	9	10	11	9
1922	72.7	103	39	2.22	0	13	23	5	2
1923	69.4	94	39	2.87	0	5	17	8	5
1924	65.3	97	33	4.49	0	9	14	11	5
1925	67.2	110	35	2.83	0	10	15	11	4
1926	73.5	98	40	3.78	0	9	14	11	5
1927	72.2	103	39	2.87	0	6	16	8	6
1928	65.5	98	31	0.81	0	5	20	8	3
1929	69.5	97	35	4.09	0	11	13	8	9
1930	72.6	104	38	2.16	0	8	18	8	4
1931	73.1	103	45	2.74	0	5	20	6	4
1932	68.5	103	34	3.06	0	8	16	6	8
1933	74.8	98	50	5.05	0	9	17	6	7
1934	69.2	95	39	4.85	0	12	14	8	8
1935	68.3	99	31	2.75	0	5	21	5	4
1936	74.4	104	41	3.77	0	5	12	10	8
Period	73.6	110	25	2.98	0	7	16	7	7

Climatological Data for September, 1936.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Birmingham	Marshall										2.81		1.78	0	4					Tennessee Valley Authority.
Calhoun	McLean	437	32	76.0	+ 4.1	96	8	47	25	34	6.60	+2.92	2.08	0	8	2	25	3	sw.	W. A. Taylor.
Earlington	Hopkins	420	46	76.8	+ 5.2	97	8†	45	25	35	4.55	+1.68	1.45	0	7	15	8	7	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	7								6.71		3.88	0	10					Lockmaster.
Greenville	Muhlenburg	519	19	74.3	+ 3.2	95	8†	44	25	38	5.47	+2.90	1.65	0	8	20	6	4	s.	C. R. Lovell.
Henderson	Henderson	382	22	75.8		100	13	43	25	38	3.75	+0.29	1.03	0	9	9	16	5	s.	Richard Stites
Hopkinsville	Christian	524	40	75.9	+ 3.7	97	8†	45	25	33	3.74	+0.58	1.28	0	8	5	8	17	se.	W. E. Graves.
Lovelaceville	Ballard		7	75.2		98	12	45	25	36	3.02		1.50	0	4	19	6	5	s.	Blaine Malone.
Mayfield	Graves	364	27	76.8	+ 4.3	98	12	46	25	34	2.89	−0.09	1.80	0	5	11	16	3	s.	Mrs. Joe Payne.
Murray	Calloway	412	10	75.9	+ 4.2	100	12	45	25	38	2.06	−2.22	1.25	0	6	13	7	10	s.	Harry B. Arnold
Owensboro	Daviess	479	39	74.0	+ 3.6	97	14	50	25	30	6.02	+2.58	2.08	0	8	16	4	10	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	8								4.84		2.01	0	8					Lockmaster.
Paducah	McCracken	516	19								6.02	+2.77	3.42	0	10	11	9	10		C. J. Rhodes.
Princeton	Caldwell	529	29	75.2	+ 3.4	95	8	48	25	34	4.59	+1.25	2.37	0	10	7	16	7	s.	Dr. W. L. Cash.
Ramsey, Lock 2	McLean	384	19								5.42	+2.27	2.10	0	6					Lockmaster.
Russellville	Logan	590	28	*74.8	+ 2.9	96*	8	43*	25	34*	2.06	−1.01	0.88	0	6	19	3	8	s.	Wm. Shelton.
Tiltonstown, Dam 49	Union	357	8								3.50		0.91	0	9					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	8								3.70		2.31	0	8					Lockmaster.
Anchorage	Jefferson	700	38	71.6	+ 2.6	95	14	45	25	37	4.77	+2.05	2.10	0	7	10	13	7	sw.	C. E. Barret.
Bowling Green	Warren	500	47	76.2	+ 3.8	97	8	50	25	34	2.86	−0.53	1.42	0	8	10	10	10	s.	Mrs. Lillie G. Causey.
Brownsville, Lock 6	Edmonson	410	19								4.02	+0.80	2.03	0	3					Lockmaster.
Burnside	Pulaski	705	45								1.07	−2.52	0.80	0	7					T. A. Lewis
Carrollton, Lock 1	Carroll	480	37								5.21	+2.11	2.15	0	6					Lockmaster.
Cold Spring, Dam 36	Campbell	489	10								3.50	−0.84	1.78	0	9					Lockmaster.
Danville	Boyle	840	3	73.8		97	14	46	25	42	3.11	−0.41	2.03	0	6	14	12	4	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	8	75.9	+ 4.0	98	14	47	25	43	4.45	+1.11	1.70	0	6	19	4	7	sw.	C. W. Williams.
Eadsville	Wayne	622									1.04		0.54	0	6					Lockmaster.
Eubank	Pulaski	1177	42	74.2	+ 5.2	101	16	48	26	46	2.09	−1.41	1.00	0	4	12	13	5	s.	Mrs. Katie Payne.
Frankfort	Franklin	560	44	73.6	+ 4.1	99	14	47	25	43	2.86	+0.10	1.69	0	6	17	3	10	w.	Lockmaster.
Gest, Lock 3	Henry	490	25								2.95	−0.19	1.83	0	5					Lockmaster.
Glasgow	Barren	780	10	75.8	+ 2.9	101	14	47	1	44	1.52		0.50	0	7	24	2	4	s.	R. L. Beatty.
Grant, Dam 38	Boone	780	11								3.19	−0.29	1.08	0	7					Lockmaster.
Greensburg	Green	581	43	74.8	+ 5.0	100	14	44	25	38	4.66	+1.37	3.05	0	6	4	5	21	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	34								3.53	+0.63	1.66	0	7					Lockmaster.
Irvington	Breckinridge	646	38	75.6	+ 5.0	97	14	47	25	33	4.19	+1.29	2.11	0	7	14	3	13	sw.	W. J. Piggot.
Jamestown	Russell	960																		N. B. Falkenberg.
Lancaster	Garrard	1032	10								5.13	+2.20	2.25	0	7					Walter Killion.
Leitchfield	Grayson	635	40	75.0	+ 4.8	97	14	46	25	33	4.09	+0.62	2.07	0	7	12	13	5	sw.	H. H. Willis.
Lexington	Fayette	980	52	73.8	+ 5.3	101	14	44	25	35	2.95	−0.62	1.47	0	6	16	10	4		U. S. Weather Bureau.
Littlefickman, Lock 8	Jessamine	560	25								3.93	+0.73	1.98	0	7					Lockmaster.
Lockport, Lock 2	Henry	485	26								2.90	−0.18	1.83	0	7					Lockmaster.
Louisville	Jefferson	459	63	73.4	+ 2.9	94	14	48	25	27	3.50	+0.72	2.43	0	10	11	10	9	s.	U. S. Weather Bureau.
Mammoth Cave	Edmonson			75.2		101	12	45	25	36	5.23		2.85	0	9	6	19	5	sw.	Ivan J. Ellsworth.
St. Joni	Hardin	777	40	74.0	+ 4.5	95	8	46	25†	42	5.39	+2.34	3.30	0	6	20	4	6		Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	22								2.03	−0.87	0.90	0	4					Lockmaster.
Shelbyville	Shelby	825	47	76.6	+ 7.0	100	14	52	25	29	4.48	+1.64	2.77	0	8	12	0	18	s.	Miss Ruthlatta,
Shepherdsville	Bullitt	500									5.65		3.11	0	8	10	8	12	sw.	A. McLeod.
Stearns	McCreary	1400									1.15		0.97	0	2	10	12	8	nw.	Geo Wright
Taylorsville	Spencer	489	34	71.6	+ 3.0	93	14	46	11	43	4.20	+1.04	2.60	0	6	18	4	8		Elizabeth J. Bourne.
Tyrone, Lock 5¶	Anderson	524	18								4.07	+0.78	1.65	0	7					Lockmaster.
Williamstown	Grant	943	33	75.0	+ 5.8	100	14†	43	25	36	2.73	+0.10	1.16	0	7	21	1	8	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	19								5.24	+2.54	2.37	0	7					Lockmaster.
Eastern Division.																				
Annville	Jackson		5								2.66		0.85	0	7	12	7	11	w.	W. A. Worthington.
Ashland	Boyd	534	17	73.2	+ 2.7	95	15†	45	25	33	2.00	−0.44	1.07	0	4	20	2	8	s.	Lockmaster.
Barbourville	Knox										3.01		1.85	0	6					Mrs. Ralph Tuggle.
Berea	Madison	1070	31	72.8	+ 2.9	97	12	46	25	33	4.05	+1.11	1.77	0	6	16	7	7	sw.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	26								4.06	+1.24	1.80	0	7					Lockmaster.
Cumberland	Harlan			72.0		96	1	45	25	36						16	6	8	e	C. Bertrand Fields,
Cynthiana	Harrison	684	18								2.00	−1.51	1.36	0	3					H. B. Keller.
Falmouth	Pendleton	699	47								3.65	+1.03	1.78	0	7					J. V. Oldham.
Farmers	Rowan	668	28	71.7	+ 3.4	96	14	45	11	45	3.13	+1.41	1.83	0	7	15	8	7	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	11								3.61	+0.26	2.76	0	4					C. A. Glascock
Ford, Lock 10¶	Clark	637	20								3.26	+0.24	2.03	0	5					Lockmaster.
Greenup, Dam 30	Greenup	1197	8								2.68	+0.20	1.43	0	5					Lockmaster.
Hazard	Perry	869	12								2.43	−0.77	0.65	0	7					Chas O. Birge.
Heidelberg, Lock 14	Lee	663	19	73.0		98	14	45	11	45	2.37	−0.77	0.81	0	9	15	5	10	sw.	Lockmaster.
Jackson	Breathitt	540	16								3.64		1.03	0	6					Jas. T. Goff.
Jenkins	Letcher	776									3.10	+0.16	1.11	0	7					R. J. Hiward,
Livingston	Rockcastle	950																		B. H. Griffin.
Louisa	Lawrence	584	22								2.67	+0.08	1.56	0	3					Lockmaster.
Maysville	Mason		16	72.0	+ 2.3	98	14	41	25	39	2.36	−0.53	1.61	0	6	9	14	7	s.	Lockmaster.
Middlesboro	Bell	824	39					46°	25		1.40	−1.79	0.63	0	4					Matthew Woodson
Mount Sterling	Montgomery	1128	40	73.6	+ 5.4	98	14	41	26	43	3.55	+0.37	1.50	0	5	21	6	3	sw.	W. R. McKee.
Oneida	Clay	930	46								3.01		1.26	0	4					Joe L. Gay.
Oneonta, Dam 35	Campbell	497	9								4.23	+0.94	1.38	0	8					Manuel Robinson.
Paintsville	Johnson	567	2								6.01		4.13	0	7					U. S Weather Bureau.
Pikeville	Pike	636	30	73.8		96	14	48	26	41	2.68	−0.88	0.76	0	5	14	8	8		Caney Run Com. Cen.
Pineapass	Knott	1025	2	73.6		100	14	47	25	44	2.62		1.00	0	6	15	8	7		R. W. Jones.
Quicksand	Breathitt	732	10	72.6	+ 1.6	100	15	44	25	37	4.28	+0.43	1.16	0	8					Lockmaster.
Ravenna, Lock 12	Estill	631	18								4.84	+1.25	2.36	0	8					Lockmaster.
Richmond	Madison	926	45	74.4	+ 3.3	96	15	47	25	28	3.95	+1.50	1.50	0	7	17	0	13		J. W. Crooke.
Valley View, Lock 9	Madison	871	23								3.11	−0.30	1.62	0	8					Lockmaster.
Vanceburg, Dam 32	Lewis	525	21								1.84	−0.80	0.90	0	6					Lockmaster.
Williamsburg	Whitley	930	39	74.5	+ 3.7	99	13	48	26	39	3.15	−0.27	1.72	0	7	19	5	6		John W. Stephens.
Wilson, Lock 13	Lee	646	17								2.76	−0.30	1.40	0	6					Lockmaster.
State averages and extremes				74.4	+ 3.8	101	12†	41	25	46	3.57	+0.59	4.13	0	7	12	10	8		

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. †Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.
¶ Post-office addresses: — Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky.
‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Daily Precipitation for September, 1936.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Western Division																																
Birmingham T		1.78																														
Calhoun O		.96	.03	T.				2.08	.22								T			T											
Carlington G		.74	1					.10	.58								.15			.80						T					
Fords Ferry Dam 50 O		1.36	.05						.06								.27			.05						T	1.10				
Greenville G		.68					.20	1.45	.10													T					.13	.12			
Henderson O		.80						.18									1.03			T											
Hopkinsville C		1.01	.06					.06	.87						.21				T						.7	.16		.14			
Lovelaceville M		1.50																														
Mayfield M		1.80	.12					T.																								
Murray T	T.	1.25	.10																	T											
Owensboro O		.44	.20	T.					.16								1.50			T											
Owensboro, Dam 46 O		.40	.22						.13								.88															
Paducah G		.89	T					3.42	.74								.05			.02											
Princeton G		.75	.05			T	T.	2.37						T.	T				T	.10						T					
Ramsey, Lock No. 2 G		.69	.24						2.10																							
Russellville G		.88	.03						.60	.26																						
Uniontown, Dam 49 O		.91	.11	T.						.12							.70			T											
Central Division																																
Addison, Dam 45 O		.18	.48	.02													.42			.01											
Anchorage O		.11	.41					.95						T.		T.				.01						.21	.07				
Bowling Green G		.92	T.	.05					1.42	.13										.02											
Brownsville, Lock No. 6 G		.79	.14						.70	.05																						
Burnside C		.16	.14	.03				T.												.18											
Carrollton (Lock No. 1) K		.20	1.78														.80															
Cold Spring, Dam 36 O		.23	1.03					T.									.20															
Danville K		.37	.52						.11								T.			.06												
Dix Dam, Burgin K		.40	.20	.38					.35											.40												
Eadsville C			.16	.28						.03	.05																					
Eubank C		.25	.64	.20																												
Frankfort K		.08	.48	.44					.46											.01												
Gest, Lock No. 3 K		.20	.76	T.					.07								T.			T						T.	T					
Glasgow G		.50	.05					.05		.15																						
Grant, Dam 38 O		.30	1.08					T.									.20			.22												
Greensburg G		.45	.50					.06	.46																							
High Bridge, Lock No. 7 K		.22	.43	.87					.20								.20			.13												
Irvington O		.16	.62					.66																								
Lancaster K		.38	1.12				.02	.71									.56			T						T.	.13	T				
Leitchfield G		.85	.04					.32	.08											.02												
Lexington *** K		.28	1.38					.22	T.				T.																			
Little Hickman, Lock No. 8 K		.21	1.25	.20					.15											.01							T	T				
Lockport, Lock No. 2 K		.08	.65	.08					.10												.05											
Louisville *** O	T	.20	.30					.20				.09		T.		T.																
Mammoth Cave G		.86	.12			.09	.44	.63	.06											.13												
St. John S		.44	T.	.05				.82	.02																							
Salvisa, Lock No 6 K		.25	.70					.27												T												
Shelbyville S		.07	.99	.24				.81									.05			.02												
Shepherdsville S		.27	.22	.01				1.81												.02												
Stearns				.18																												
Taylorsville S		.12	.05					.32												T												
Tyrone, Lock No. 5 K		.12	1.15	.15					.30	.20										.05						T	T	.11				
Williamstown L		.10	1.16	.02																.03												
Woodbury, Lock No. 4			.86					1.12									.20			.14	.03							.12			
Eastern Division																																
Annville O			.85	.25																.09	.06							.44			
Ashland O			1.07	.27																												
Barbourville O			1.85				.05		.06				.35																			
Berea K			1.61				.04						.10																			
College Hill, Lock No. 11 K		.27	.57	.82				.20												.60												
Cumberland C																				.58												
Cynthiana L		.20	1.36																													
Falmouth L		.05	.60																													
Farmers L		.19	.58	.32													1.78			.02												
Flemingsburg L			2.72										.29																			
Ford, Lock No. 10 K		.19	.26	.37					.27																							
Greenup, Dam 30 O		T.	1.42	.02						.51			T.							.08												
Hazard L			.05	.05	.38				.42											T.						T.						
Heidelberg, Lock No. 14 K		.12	.51	.31					.40				.04								.25											
Jackson K		.58	.50						.51				.47								.03											
Jenkins B			1.11	.53					.05																							
Livingston C																						.21										
Louisa B			1.56																													
Maysville O		.01	1.61																													
Middlesboro C		.35	.62	.05																.01												
Mount Sterling L		.30	.37					.30												.37												
Oneida C			.70	1.26																												
Oneonta Dam 35 O			.27	1.33					T.				1.02			T.				T.												
Paintsville B		.04	.13	.05					.33												.28											
Pikeville B		.40	.70						T.												.07											
Pippapass K		.39	.95						T.											.10	.10											
Quicksand K	.20		.74	.41					.84											.10												
Ravenna, Lock No. 12 K		.19	.59	.85					.28				.34							.04												
Richmond K		.25	.48	.75					.26																							
Valley View, Lock No. 9 K		.22	.21	.80					.12											.09												
Vanceburg, Dam No. 32 O		.05	.90										.17																			
Williamsburg C		.03	.26	1.72						.08																						
Willow, Lock No. 13 K			.30	.26	.54				.21																							

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

† Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak.

Daily Temperatures for September, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Calhoun	Maximum	91	84	88	88	91	90	91	96	91	91	93	95	95	95	94	93	84	84	85	87	92	94	85	73	73	78	83	85	78	67	...	87.0
	Minimum	57	63	69	64	63	70	69	71	67	66	69	71	72	71	71	71	65	59	61	64	62	65	70	63	47	52	64	66	55	58	...	65.1
Earlington	Maximum	91	86	83	87	93	91	90	97	92	92	91	97	98	96	93	94	86	85	88	89	92	95	89	75	74	85	84	88	79	67	...	88.2
	Minimum	59	62	70	65	62	70	70	73	70	66	68	74	75	72	72	73	66	60	59	64	63	68	69	68	50	60	69	66	56	63	...	65.3
Greenville	Maximum	90	86	82	85	91	91	90	95	91	91	92	95	93	95	92	92	85	84	87	88	90	93	80	74	71	84	88	90	88	67	...	87.0
	Minimum	57	61	68	62	60	59	66	67	65	61	66	69	70	67	66	66	63	56	56	62	60	61	67	62	44	47	66	65	55	57	...	61.6
Henderson	Maximum	91	80	82	90	95	93	92	93	98	92	96	98	100	97	95	98	76	86	82	92	95	97	78	73	74	85	83	79	65	70	...	87.8
	Minimum	62	64	64	70	61	69	67	61	66	66	68	72	72	74	71	71	60	58	66	69	63	63	68	62	42	50	69	63	50	57	...	63.7
Hopkinsville	Maximum	91	83	93	87	91	89	90	97	93	91	92	97	97	94	92	91	86	86	90	84	89	93	85	77	74	84	82	92	80	68	...	87.7
	Minimum	58	61	68	66	65	65	66	68	67	66	68	69	70	78	68	68	64	58	59	66	62	61	69	65	45	51	66	68	58	60	...	64.1
Lovelaceville	Maximum	89	83	93	89	91	89	90	95	96	93	96	98	97	95	93	94	85	86	81	87	91	94	88	75	72	85	81	88	73	73	...	87.6
	Minimum	57	63	67	65	62	66	66	68	66	64	63	70	69	68	68	67	61	58	59	62	60	59	68	62	45	49	71	64	54	57	...	62.4
Mayfield	Maximum	91	86	86	88	93	90	88	91	95	92	93	98	95	96	93	94	87	87	88	89	90	96	87	75	75	85	84	89	83	75	...	88.7
	Minimum	65	64	67	66	68	66	67	70	68	66	66	67	71	72	70	69	71	61	60	62	59	62	62	69	63	46	51	71	65	55	58	64.3
Murray	Maximum	93	83	86	88	95	90	89	95	96	95	96	100	98	97	95	96	82	87	89	87	90	95	85	75	76	85	85	91	81	72	...	89.1
	Minimum	55	63	68	65	61	65	65	68	66	67	68	65	69	68	66	69	61	59	59	65	60	60	69	66	47	46	70	65	56	58	...	62.7
Owensboro	Maximum	90	79	82	86	90	90	90	89	94	90	91	95	94	97	93	93	81	81	81	84	85	90	86	74	72	70	82	82	82	75	...	85.5
	Minimum	63	60	68	63	63	67	68	64	64	65	67	66	69	69	68	68	61	58	60	62	61	62	68	68	50	52	65	62	52	51	...	62.5
Princeton	Maximum	90	82	86	86	90	90	90	95	89	90	93	97	93	93	91	91	84	82	86	90	89	91	84	73	74	84	82	86	75	70	...	85.4
	Minimum	59	61	68	67	66	68	67	70	69	67	69	68	71	72	72	70	63	62	63	65	64	64	70	65	48	50	70	66	56	60	...	65.1
Russellville§§	Maximum	91	84	88	88	91	90	91	96	91	91	94	98	96	96	94	94	85	85	88	88	90	95	93	75	72	86	...	92	73	67	...	*87.6
	Minimum	58	60	65	66	63	64	64	62	64	65	62	64	68	69	70	65	63	56	56	63	60	61	66	67	43	50	62	...	62	58	...	*61.9
Central Division.																																	
Anchorage	Maximum	87	79	76	81	88	87	85	85	85	88	91	92	92	95	92	91	72	78	80	85	89	92	79	72	71	78	80	70	66	60	...	82.2
	Minimum	59	62	67	61	62	66	65	65	66	64	69	68	66	67	65	58	55	54	63	68	58	63	68	63	58	53	65	60	54	53	...	60.9
Bowling Green	Maximum	91	85	87	89	93	93	92	97	92	92	94	93	95	96	93	93	82	85	89	85	90	93	82	75	72	84	84	89	82	70	...	87.8
	Minimum	57	59	58	60	63	65	66	68	66	64	69	70	72	72	71	71	65	63	63	63	65	65	66	63	45	53	67	66	56	57	...	64.6
Danville	Maximum	92	76	79	83	90	88	89	91	90	92	94	96	96	97	96	95	81	84	87	90	95	96	72	68	82	85	83	75	76	...	...	86.7
	Minimum	59	62	66	64	62	63	65	66	63	65	66	70	71	69	67	66	63	55	52	64	58	58	56	63	46	50	61	64	61	55	...	61.0
Dix Dam	Maximum	93	95	78	97	93	88	83	86	92	93	94	94	95	95	95	95	92	83	88	88	93	94	92	70	78	81	88	83	77	75	...	88.8
	Minimum	59	63	71	62	64	61	65	66	66	65	67	70	69	73	70	68	65	56	54	62	60	60	67	64	47	51	63	78	64	57	...	63.6
Eubank	Maximum	89	83	79	84	94	89	87	93	93	95	96	97	98	99	100	101	79	85	93	88	94	96	85	83	84	89	85	90	85	79	...	89.6
	Minimum	43	57	61	61	61	57	58	63	62	64	63	67	64	63	62	62	61	54	50	61	55	55	61	61	50	48	56	61	61	59	...	58.7
Frankfort	Maximum	91	74	81	85	91	91	90	88	90	90	92	95	97	97	98	96	98	71	86	89	91	95	97	86	77	69	82	84	72	73	72	86.6
	Minimum	48	63	66	61	59	65	65	68	64	62	63	68	69	68	65	65	64	64	51	61	59	58	62	64	47	50	62	61	56	55	...	60.7
Glasgow	Maximum	91	80	86	84	94	93	89	96	95	94	95	96	99	101	98	95	87	87	91	90	95	97	82	74	74	86	88	92	81	70	...	89.8
	Minimum	47	62	65	67	63	64	65	65	64	63	67	69	68	70	66	64	65	67	57	60	61	60	65	66	47	50	62	66	65	54	...	62.2
Greensburg	Maximum	93	83	86	85	93	94	90	96	92	95	96	98	98	100	99	97	89	86	91	90	94	96	86	76	72	82	85	89	83	73	...	89.6
	Minimum	45	60	64	65	60	61	62	63	64	65	64	68	66	67	64	62	61	55	52	62	57	57	61	65	44	47	61	65	61	59	...	59.0
Irvington	Maximum	96	82	84	89	95	91	90	91	94	92	92	94	96	96	97	94	93	85	82	81	87	90	92	85	72	70	79	82	77	71	68	85.8
	Minimum	57	63	69	63	63	69	71	76	67	67	69	73	73	72	74	71	63	56	57	65	63	65	70	69	47	65	68	63	58	57	...	65.4
Leitchfield	Maximum	90	81	81	85	91	90	89	95	90	91	93	94	96	97	93	94	83	82	86	90	93	94	84	73	76	82	84	87	76	65	...	86.6
	Minimum	57	63	63	64	63	64	67	68	65	64	69	71	70	72	70	67	64	58	59	66	62	62	69	63	46	51	65	65	59	58	...	63.5
Lexington	Maximum	91	72	79	84	91	90	89	93	92	94	94	96	97	101	97	95	71	85	85	89	92	97	87	78	70	82	85	78	75	75	...	*86.5
	Minimum	66	61	65	61	63	65	66	64	65	64	68	70	71	72	70	69	59	53	54	64	60	62	66	54	44	54	61	60	57	54	...	61.8
Louisville	Maximum	88	78	78	82	89	89	87	87	88	91	91	94	95	96	94	93	92	72	80	82	87	90	92	77	71	69	79	82	70	61	62	82.9
	Minimum	61	64	65	63	64	71	71	75	69	69	70	75	76	74	76	67	62	58	57	67	66	67	68	54	48	55	66	59	55	54	...	63.9
Mammoth Cave	Maximum	91	83	84	85	92	90	84	94	90	91	92	101	94	97	94	92	84	85	90	84	91	94	82	75	70	82	83	84	78	74	...	86.9
	Minimum	75	61	68	66	60	68	67	70	62	62	66	72	70	68	68	65	64	56	54	61	59	59	69	64	45	49	63	65	64	55	...	63.6
St. John	Maximum	91	86	87	89	94	90	90	95	90	90	91	92	91	91	91	92	85	83	84	91	93	81	75	80	80	84	75	75	76	...	...	86.5
	Minimum	49	62	67	62	62	64	67	69	64	66	64	66	69	69	64	64	64	56	57	62	59	60	69	67	46	46	56	58	56	56	...	61.6
Shelbyville	Maximum	93	82	76	83	93	91	89	87	92	94	92	96	97	100	99	96	84	84	81	84	89	93	86	84	77	76	81	83	76	66	64	85.9
	Minimum	69	65	69	65	65	69	69	70	69	69	70	72	72	72	77	75	69	65	59	68	66	68	73	68	57	61	68	62	64	63	...	66.8
Taylorsville	Maximum	89	76	77	81	86	86	86	87	88	89	91	92	93	96	94	92	80	80	79	81	86	91	82	72	66	78	81	76	78	65	...	83.0
	Minimum	46	63	67	63	63	64	67	67	64	64	64	66	68	67	66	63	63	56	50	62	56	56	63	61	46	51	62	61	56	56	...	60.3
Williamstown	Maximum	94	85	76	88	93	94	91	90	94	95	97	99	99	100	100	97	89	85	88	90	95	99	90	74	73	72	86	77	61	75	...	88.0
	Minimum	59	62	64	60	60	64	65	70	66	64	65	70	71	70	70	70	60	52	52	61	63	67	69	66	43	50	63	59	53	52	...	62.1
Eastern Division.																																	
Ashland	Maximum	87	70	75	85	86	83	86	81	90	90	93	94	94	96	95	93	86	82	82	85	89	91	93	77	67	80	86	78	73	71	...	84.7
	Minimum	55	66	65	63	60	59	62	71	67	63	62	71	69	69	70	71	66	63	53	64	62	61	63	55	45	61	53	62	60	55	...	62.3
Berea	Maximum	84	64	77	76	89	92	91	82	84	89	93	97	89	84	80	79	79	80	74	88	89	89	76	79	81	80	74	74	70	...	...	85.0
	Minimum	55	61	66	65	64	66	66	70	69	67	70	74	71	71	69	69	63	54	55	62	63	63	67	64	46	54	58	63	57	57	...	62.7
Cumberland	Maximum	96	82	84	84	84	86	82	85	88	89	91	94	88	86	87	83	86	87	83	86	84	84	85	82	81	83	83	81	83	78	79	84.6
	Minimum	70	65	64	65	69	68	68	71	65	63	61	63	61	63	64	61	63	62	54	55	56	57	51	66	47	45	47	54	60	60	62	59.5
Farmers	Maximum	90	84	79	81	90	89	88	91	91	90	90	94	90	90	90	90	94	93	83	85	85	84	92	83	84	78	69	82	80	80	71	77	75.9
	Minimum	47	69	63	56	57	56	57	62	60	52	59	64	63	64	63	62	63	49	45	56	55	54	55	60	58	51	50	49	59	59	57	57.5
Heidelberg	Maximum	90	68	76	83	89	89	87	92	93	95	94	92	96	95	95	94	71	85	88	84	93	95	85	80	82	85	84	82	77	...	...	86.2
	Minimum	45	62	65	67	61	57	59	64	66	65	63	66	64	67	63	63	66	55	50	57	56	57	66	67	45	48	61	62	65	59	...	59.8
Livingston	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Maysville	Maximum	99	79	76	83	87	89	87	88	92	92	95	92	92	98	96	95	81	83	86	87	91	95	90	71	69	83	86	79	66	73	...	85.6
	Minimum	51	61	63	57	58	58	62	67	64	60	69	68	66	66	66	65	61	52	46	58	57	58	61	60	41	46	59	59	56	52	...	58.3
Middlesboro	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Minimum	...	51	64	66	66	56	59	61	65	64	63	...	62	65	62	62	...	62	55	56	63	61	57	66	46	48	49	55	59	60	...	*59.7
Mount Sterling	Maximum	92	80	82	85	90	90	89	90	92	90	95	95	93	98	96	95	81	68	85	85	93	96	90	75	70	85	85	75	76	78	...	86.4
	Minimum	49	62	66	63	63	62	71	64	62	59	69	68	66	68	63	63	66	53	52	58	63	56	46	44	56	62	55	55	59	60	...	60.7
Pikeville	Maximum	88	73	75	85	87	86	86	92	92	91	93	95	95	96	94	93	78	83	87	82	90	92	90	81	72	79	90	89	91	75	...	86.7
	Minimum	55	60	62	68	62	55	61	62	60	67	64	66	67	68	65	65	68	61	55	56	64	60	59	60	48	48	49	60	64	62	...	61.0
Pippapass	Maximum	90	81	77	87	89	89	88	94	93	93	96	95	96	95	100	96	86	87	90	84	91	94	91	76	74	84	91	92	83	75	...	88.5
	Minimum	50	58	67	63	62	55	58	60	66	65	61	63	61	65	63	63	64	61	55	56	61	57	57	62	47	48	47	59	63	61	...	58.7
Quicksand	Maximum	94	78	87	85	91	87	86	90	92	94	96	96	93	96	96	93	82	86	88	91	94	96	92	78	72	83	82	87	85	82	...	88.9
	Minimum	49	69	66	66	66	66	67	68	68	70	73	73	72	72	72	72	56	56	55	63	65	63	67	66	47	54	62	65	64	59	...	64.2
Raymond	Maximum	91	74	81	85	91	91	89	88	90	90	92	95	97	97	98	96	98	71	86	89	91	95	97	86	77	69	82	84	72	73	72	86.6
	Minimum	48	63	66	61	59	65	65	68	64	62	63	68	69	68	65	65	64	64	51	61	59	58	62	64	47	50	62	61	56	55	...	60.7
Williamsburg	Maximum	91	80	86	84	94	93	89	96	95	94	95	96	99	101	98	95	87	87	91	90	95	97	82	74	74	86	88	92	81	70	...	89.8
	Minimum	47	62	65	67	63	64	65	65	64	63	67	69	68	70	66	64	65	67	57	60	61	60	65	66	47	50	62	66	65	54	...	62.2
Woodburn	Maximum	93	83	86	85	93	94	90	96	92	95	96	98	98	100	99	97	89	86	91	90	94	96	86	76	72	82	85	89	83	73	...	89.6
	Minimum	45	60	64	65	60	61	62	63	64	61	63	66	66	67	66	62	63	63	62	55	59	63	59	59	43	48	51	57	60	63	...	60.8
	Maximum	94	85	88	88	94	93	91	96	95	96	98	100	100	101	100	98	89	87	91	90	95	99	90	78	74	86	88	92	83	75	...	90.8
	Minimum	59	62	64	60	60	64	65	70	66	64	65	70	71	70	70	70	60	52	52	61	63	67	69	66	43	50	63	59	53	52	...	62.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*, etc., indicate respectively 1, 2, etc., days missing from record.

W. B. to Louisville, 16-26-36 Inc.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

Vol. XLI Louisville, Ky., October, 1926 No. 10

GENERAL SUMMARY.

Weather somewhat warmer than the seasonal average in the first three weeks favored the growth and ripening of late crops. Soil moisture and water for livestock continued deficient in many southern districts until the rains at the end of the first decade. After these rains seeding advanced more rapidly in the southern counties, where grain previously sown came up to satisfactory stands. Fall grains in the northern counties grew vigorously and tended to rankness. Some early rye became available for pasture. Bluegrass pastures and other forage crops improved to such an extent as to greatly relieve feeding and almost provide complete grazing requirements. Except for slow growth in places near the southern border, due to moisture deficiency, normal autumn development of grains and pastures had been restored by the end of the month.

Abnormally cool weather in the last decade caused growth to diminish. Killing frosts that ended the growing season occurred quite generally on the 27th and 28th. The lateness of these frosts permitted fair sized potatoes to develop from plants that presented a hopeless appearance a month earlier. Although most potatoes did not completely mature, the warm weather and sunshine brought remarkable improvement for so brief a period of principal growth.

Practically all corn matured, even the latest plantings in the western bottoms. All tobacco of consequence was cut and housed in good time. The favorable moisture and temperature conditions greatly increased the late yield of tomatoes and prolonged the canning season. Large quantities of late vegetables were also grown. The frosts caused some damage by cutting short this late production in most districts, but the hardier vegetables continued to yield in southern sections until the end of the month.

In the effort to save all the feed available, corn gathering was pushed more rapidly than usual. In the favorable periods of sunshine and high temperatures haymaking from alfalfa and soybeans continued. Rather frequent showers and wet fields interfered considerably with corn gathering and haymaking, but led to an early beginning of tobacco stripping.

TEMPERATURE.

The temperature for the month averaged near normal, but varied decidedly. It was 5° to 10° above normal in the periods 5-9th, 13-16th, and 19th-22d, with maxima above 80° on a few days. In the short intervals between these warm spells, and also in the last decade, daily deficiencies were approximately the same. Minima fell below freezing at nearly all stations on the 27th and 28th. The extremes were 88° at Pikeville on the 8th and 9th, and 24° at Anchorage on the 27th.

PRECIPITATION.

Precipitation for the State averaged considerably above normal and was fairly well distributed. Amounts at most stations ranged between 3.0 and 4.0 inches. Limited areas in the west, central, and eastern divisions received from 4.0 to 5.0 inches. Stations in several north-central counties and near the south-central border reported from 2.5 to 3.0 inches. The range for the State was between 1.88 inches at Glasgow and 6.12 inches at Maysville. Moderate to heavy rainfall occurred in all districts in the periods 6-11th and 16-17th. Light to moderate rains were reported from central and western sections, and moderate to heavy rains from the western counties from the 25th to 27th. Scattered showers occurred on the 1st. Days with thunder storms were: 6, 7, 8, 9.

MISCELLANEOUS.

Rivers.---Although the soil became fairly well saturated toward the close of the month, there was little runoff. Flood stages were scarcely disturbed.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level): Mean.	Highest.	Date.	Lowest.	Date.	Wind: Average velocity.	Maximum velocity.	Direction.	Humidity: 7 a. m.	7 p. m.	Sunshine: Per cent of possible.
Cairo ..... Ill.	29.68	30.44	26	29.72	16	7	34	W.	78	86	69
Cincinnati ..... Ohio	29.51	29.48	25	29.04	10	6.5	33	SW.	83	86	59
Evansville ..... Ind.	29.69	30.45	27	29.08	16	5.4	28	W.	87	84	71
Louisville ..... Ky.	30.11	30.47	27	29.69	16	5.8	35	W.	85	83	69

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature: Mean.	Highest.	Lowest.	Precipitation: Average.	Average snowfall.	Precipitation .01 inch or more.	Number of days: Clear.	Partly cloudy.	Cloudy.
1889	52.0	80	23	2.40	...	...	...	...	...
1890	53.7	87	26	1.44	...	...	...	...	...
1891	54.3	87	21	2.87	...	...	...	...	...
1892	57.3	87	19	4.31	...	...	...	...	...
1893	56.1	89	19	3.66	...	...	...	...	...
1894	55.6	92	21	1.56	...	...	...	...	...
1895	52.2	86	24	1.21	...	...	9	21	...
1896	54.8	90	25	1.71	...	...	...	...	...
1897	62.4	90	26	1.10	...	...	4	24	...
1898	54.1	86	23	4.19	T.	9	12	14	...
1899	61.3	84	32	2.29	0.0	7	9	17	...
1900	64.5	84	38	1.42	0.0	6	9	17	...
1901	58.1	84	35	2.20	0.0	7	12	14	...
1902	59.1	84	25	2.93	T.	7	18	8	...
1903	55.2	84	19	2.32	T.	7	7	17	...
1904	55.5	90	30	0.52	0.0	3	20	8	3
1905	57.0	88	25	3.00	0.0	6	14	14	3
1906	56.9	84	28	1.51	0.0	4	15	14	2
1907	55.6	84	28	2.97	T.	7	15	14	2
1908	58.1	88	28	0.71	0.0	4	19	12	...
1909	57.2	84	18	2.11	T.	7	13	17	1
1910	61.1	84	15	4.16	0.1	10	10	15	6
1911	59.9	84	34	3.21	0.0	10	12	13	6
1912	59.5	92	35	1.32	0.0	4	18	9	4
1913	55.2	84	28	2.35	0.0	9	11	15	5
1914	59.7	90	30	3.10	0.0	9	11	15	5
1915	60.2	86	34	3.23	0.0	6	14	13	4
1916	57.6	87	31	2.33	T.	7	11	15	5
1917	51.1	80	24	4.18	0.3	15	5	11	15
1918	56.2	86	30	3.44	0.0	8	15	11	5
1919	59.0	84	32	3.15	0.0	7	13	14	4
1920	61.6	93	34	1.44	0.0	4	14	12	5
1921	57.1	89	30	2.57	0.0	7	13	14	4
1922	58.2	90	25	3.57	0.0	8	11	13	7
1923	57.1	84	24	3.57	0.0	7	12	13	6
1924	58.2	84	33	3.69	T.	11	12	13	6
1925	56.3	84	25	3.75	T.	11	8	14	9
1926	56.4	88	24	3.56	0.0	8	14	12	5
Period	58.5	88	24	2.57	0.0	7	11	13	5

Climatological Data for October, 1936.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches			Number of days					Prevailing direction of wind	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Birmingham	Marshall										3.20		1.42	0	7					Tennessee Valley Authority.
Calhoun	McLean	437	32	59.6 − 0.3	81	8†	30	28	38		2.96 −0.65		0.90	0	9	10	17	4	sw.	W. A. Taylor.
Earlington	Hopkins	420	46	60.0 + 0.4	83	8	29	28	35		3.53 +0.23		1.80	0	9	16	3	12	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	7								4.18			0	11					Lockmaster.
Greenville	Muhlenburg	519	19	58.3 − 1.6	80§	5†	26§	28	38§		3.53 −0.19		1.40	0	8	19	5	7	s.	C. R. Lovell.
Henderson	Henderson	382	22	59.1		83	20	27	28	35	3.51 +0.33		1.19	0	9	6	18	7	sw.	Frank Street.
Hopkinsville	Christian	524	40	58.6 − 2.2	82	4	28	28	37		3.25 −0.18		0.53	0	9	10	3	18	se.	W. E. Graves.
Lewisburg	Ballard		7	58.2		84	5	27	29	40	3.60		1.30	0	5	20	3	8	s	Blaine Malone.
Louisville	Graves	364	27	60.6 − 0.5	85	5	29	28	29		4.74 +1.49		2.07	0	8	11	13	7	s.	Mrs. Joe Payne.
Mayfield	Calloway	412	10	58.3 − 1.7	85	10†	26	28	40		2.12 −1.33		0.44	0	9	14	6	11	n.	Harry B. Arnold
Murray	Daviess	479	39	56.6 − 2.1	81	9	29	28	29		3.01 −0.44		0.70	0	7	13	5	13	s.	Henry S. Berry.
Owensboro	Daviess	404	3								2.77		0.62	0	10					Lockmaster.
Owensboro, Dam 46	Daviess																			
Padgett **	McCracken	516	19	59.4 − 1.6	83	5†	29	28	38		4.48 +1.16		1.03	0	9	9	10	12		Joe Lagore.
Princeton	Caldwell	529	29	59.3 + 0.1	86	10	29	28	41		4.37 +1.20		1.82	0	13	12	9	10	s.	Dr. W. L. Cash.
Ransom, Lock 2	McLean	384	19								2.97 −0.29		0.97	0	11					Lockmaster.
Russellville	Logan	590	25	57.7 − 1.7	84	5	26	28	41		3.59 +0.62		1.31	0	8	14	8	9	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	8								3.21		0.77	0	11					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	8								3.34		0.82	0	12					Lockmaster.
Anchorage	Jefferson	700	35	55.8 − 0.9	80§	20	21§	27	31§		2.63 +0.01		0.78	0	8	16	8	7	sw.	C. E. Barret.
Bowling Green	Warren	500	47	60.4 + 0.5	83	6	33	28	28		3.30 +0.69		1.52	0	8	14	6	11	s.	Mrs. Lillie G Causey.
Brownsville, Lock 6	Edmonson	410	18								3.41 +0.07		1.24	0	9					Lockmaster.
Burnside	Pulaski	705	45								4.22 +1.04		0.98	0	13					T. A. Lewis
Carrollton, Lock 1	Carroll	480	37								3.85 +0.57		0.96	0	8					Lockmaster.
Cold Spring, Dam 36	Campbell	489	10								4.05 +1.44		1.12	0	10					Lockmaster.
Danville	Boyle	940	3	57.0		83	9	29	28	40	2.87 +0.93		0.82	0	10	8	12	11	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	8	59.5 + 0.7	81	5	27	28	38		2.13 −0.85		0.44	0	8	14	5	12	sw.	C. W. Williams.
Eadsville	Wayne	622									4.80		1.37	0	11					Lockmaster.
Eubanks	Pulaski	1177	42	56.3 − 0.7	83	5†	23	28	40		3.74 +0.90		1.19	0	5	11	10	11	s.	Mrs. Katie Payne.
Frankfort	Franklin	550	41	58.4 + 1.0	82	8†	27	28	41		3.87 +1.16		1.46	0	10	10	8	13	w.	Lockmaster.
Gest, Lock 3	Henry	500	25								2.72 −0.18		0.90	0	12					Lockmaster.
Glasgow	Barren	780	10	57.4 − 1.2	85	5	29	28†	41		1.87 −0.84		1.45	0	2	20	6	5	n.	R. L. Beatty.
Gratz, Dam 38	Owen	780	11								3.97 +1.52		1.28	0	11					Lockmaster.
Greensburg	Green	581	43	57.4 + 0.8	83	5	25	28	40		3.35 −0.01		1.06	0	9	7	4	20	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	34								2.14 −0.71		0.92	0	11					Lockmaster.
Irvington	Breckinridge	646	38	58.8 + 1.6	79	8	30	28	31		2.53 −0.50		0.68	0	8	14	4	13	sw.	W. J. Piggot.
Jamestown	Russell	960																		N. B. Falkenberg.
Lancaster	Garrard	1032	10								4.28 +0.80		0.87	0	10					Walter Killion.
Leitchfield	Grayson	635	40	58.6 + 0.1	81	8	27	28	36		4.48 +1.02		2.15	0	12	10	14	7	sw.	H. H. Willis.
Lexington	Fayette	989	52	57.7 + 0.3	84	9	26	28	33		3.80 +0.21		0.85	0	10	13	7	11		U. S. Weather Bureau
Locks 8	Jessamine	560	25								2.89 +0.07		0.90	0	8					Lockmaster.
Lockport, Lock 2	Henry	485	26								2.84 −0.62		0.98	0	10					Lockmaster.
Louisville	Jefferson	459	65	58.4 − 0.9	79	20	31	27	28		3.25 +0.60		0.96	0	10	12	7	12	s.	U. S. Weather Bureau
Mammoth Cave	Edmonson																			Ivan J. Ellsworth.
St. Joan	Hardin	777	30	58.9 + 1.2	81	6	27	28	34		4.17 +0.90		1.75	0	7	17	6	8		Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	22								2.75 −0.28		0.60	0	7					Lockmaster.
Shelbyville	Shelby	825	47	59.0 + 1.8	80	4†	27	28	31		3.72 +0.40		0.88	0	12	14	6	17	n.	Miss Ruth Latta,
Springfield	Bullitt	500									2.66		0.69	0	10	11	8	12	e.	A. McLeod.
Stanford	McCreary	1400									3.95		2.60	0	6	4	12	15	nw.	Geo Wright
Taylorsville	Spencer	489	31	55.4 − 0.9	78§	0†	25§	28	36§		2.90 −0.75		0.64	0	10	16	3	12		Elizabeth J. Bourne.
Tyrone, Lock 5	Anderson	524	18								3.28 +0.20		1.64	0	10					Lockmaster.
Wilmington	Grant	943	35	58.0 + 2.1	84	4†	26	28	39		4.24 +1.25		1.70	0	10	17	4	10	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	19								2.45 −0.58		0.67	0	9					Lockmaster.
Eastern Division.																				
Annville	Jackson		5								3.68		1.60	0	11	12	5	14	sw.	W. A. Worthington.
Ashland	Boyd	534	17	58.7 + 0.9	81	20	27	28	35		3.51 +0.76		1.46	0	12	13	4	14	w.	Lockmaster.
Barbourville	Knox										2.38		1.33	0	7	12	3	16		Mrs. Ralph Tuggle.
Bedford	Madison	1070	31	58.3 − 0.3	83	9	28	28	34		5.09 +2.01		1.65	0	10	10	6	15	sw.	Luther M. Ambrose.
Boonesboro	Madison	611	26								4.09 +1.04		1.08	0	10					Lockmaster.
Cabbage Hill, Lock 11	Harlan			60.2		85	10	31	28	44	2.82		1.25	0	8	16	3	12	w.	C. Bertrand Fields.
Cumberland	Harlan										3.73 +0.22		1.03	0	7					P. H. Kehoe.
Cynthiana	Harrison	684	18								2.98 +0.34		0.92	0	13					J. V. Oldham.
Edmonton	Brodleton	690	17								3.85 +0.94		0.85	0	9	10	9	12	e	Mrs. R. F. Stamper.
Frenchburg	Menifee	768	28	57.6 + 1.1	85§	9†	26§	29	45§		2.96 −0.37		1.05	0	8					C. A. Glascock
Flemingsburg	Fleming	841	11								4.53 +1.75		1.13	0	10					Lockmaster.
Ford, Lock 10	Clark	837	20								4.11 +1.95		1.43	0	14					Lockmaster.
Greenup, Dam 30	Greenup	1197	8								2.27 +0.35		0.70	0	9					Chas. O. Ditig.
Harrod	Boyle	859	12								3.10 −0.12		1.32	0	10	12	1	18	sw.	Lockmaster.
Hardtsburg, Lock 14	Lee	663	19	59.1		86	9	29	28	43	4.08		1.44	0	7					Jas T. Goff.
Jackson	Breathitt	599	15								1.59 −1.08		1.30	0	10					R. J. Riward.
Jenkins	Letcher	776																		B. H. Griffin.
Lancaster	Vanceburg	950																		Lockmaster.
Lebanon	Marion	884	32								2.21 −0.52		1.10	0	8					Lockmaster.
Louisa	Lawrence										6.12 +3.08		2.85	0	11	5	15	11	sw.	Lockmaster.
Maysville	Mason		16	57.2 − 0.2	84	9	26	28	30											Matthew Woodson
Middlesboro	Bell	1023	28																	
Mount Sterling	Montgomery	1124	30	57.6 + 1.8	86	9	25	28	38		3.16 −0.06		1.10	0	5	13	6	12	sw.	W. G. McKee.
Oneida	Clay	930	15								3.08		0.76	0	7					Joe L. Gay.
Owingsville	Bath	1097	9								5.61 +3.32		1.70	0	11					Lockmaster.
Owingsville, Dam 32	Campbell	497	9								2.98		0.98	0	11					Manuel Robinson.
Paintsville	Johnson	767	9																	U. S Weather Bureau.
Pikeville	Pike	656	30	60.1		88	8†	30	28	38	2.65 −0.21		1.26	0	10	12	6	13		Camp Run Com. Cen.
Pineville	Knox	1035	2	60.2		83	21†	30	28§	47	3.80		1.44	0	15	13	9	9		R. W. Jones.
Richmond	Breathitt	732	10	58.8 + 1.2	86	9	28	28	45		3.47 0.00		0.90	0	9					Lockmaster.
Rockport, Lock 12	Estill	631	18								3.94 +1.68		1.53	0	10					Lockmaster.
Somerset	Pulaski	925	45	60.0 + 1.0	82	10	30	28	25		4.35 +1.54		1.60	0	10	14	6	17		J. W. Crooke.
Tarpon View, Lock 9	Madison	871	23								2.82 −0.73		0.80	0	10					Lockmaster.
Vanceburg, Dam 32	Lewis	525	21								4.28 +1.78		1.20	0	13					Lockmaster.
Wheelersburg	Whitley	920	39	59.7 + 0.2	81	9	31	28†	40		3.72 +0.18		0.65	0	9	14	4	13		John W. Stephens.
Wilmore, Lock 13	Lee	616	17								3.57 +0.54		1.12	0	9					Lockmaster.
State averages and extremes				58.5 + 0.3	88	8†	24	27	47		3.47 +0.74		2.85	0	9	10	9	12	sw.	

All temperature data are taken from self-registering thermometer.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are published in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. T Precipitation is less than 0.01 inch rain or melted snow. §Lone Oak.

† Also on other dates. ‡‡ Received too late to be included in means and summaries.

* Postoffice addresses: — Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Omeata, California, Ky.

** Precipitation by U. S. Engineers.

Daily Precipitation for October, 1935

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Birmingham	T					1.42	.14		.14	.26																						
Calhoun						.12	.38		.20	.03							.02															
Farmington						T	.58		1.80	.06							.12															
Ford's Ferry Dam 50		.05				T	.02	.08	.80	.09	.01						.36	.14	T													
Greenville							.04		1.40	.10					T		.12	.46														
Henderson		T					.60		1.19	.47	T						.04	.33	T													
Hopkinsville					T	T	T	.70	.20	T							.12	.48	.03													
Lawrenceville							1.16																									
Maxwell						.61	.10		.20						T		.02	.14														
Murray	T					.16	.44	T	.22	T					T		.28	.14														
Owensboro		.29				.21	.11		.40	.23	.16							.37														
Owensboro, Dam 45		.64				T	.03	.07	.31	.40						T	.70	T														
Piedmont							.07	.25	.01	.35							.20															
Princeton						.04	.01	.02	.01	.03						1	.16															
Ramsey, Lock No. 2		.04					.03	.02	.25	.21	.03				.10	.02	.22															
Russellville							.03	1.31		.02						.10																
Tinsantown, Dam 49		.01				T	.12	.09	.00	.35	.03						.20	.30														
Central Division																																
Addison, Dam 45	T						.09	.21	.06	.16	.16					.01	.11	.12														
Anchorage																																
Bowling Green						.76	.24		.58						T	.25	T														
Brownsville, Lock No. 6							.01	1.55		.10	T					.36	T	.18														
Burnside								.24		.21	.47					.82	.62	.75														
Carrollton (Lock No. 1)							.17	.04	.01	.04	T					.08	.41	.16														
Cole Spring, Dam 38		.09					.02	.18	.08	.02						.36	.41	.06														
Danville						1.12	.35	T	.55	.16	T.					.20	.58	.15				T	.10									
Dry Dam, Bargen					.01	T.	.06	.20	.05	.42	.10					.52	.38					.16	T									
Earlsville			.16	.23					.39	.12						.44	.22	.38				.08										
Eminark							1.37	.05	.88	.02						.7	.66	.12				.32										
Frankfort							.58		.53							1.19	.28															
Good, Lock No. 3		.02				T	1.16		.24	.10						.03	.44	.28				T										
Glasgow		.04				T	.02	.48	.68	.19						.48	.43	.14					.05	.13								
Grant, Dam 33							1.47		.42													.12	.06	.64								
Greensburg		.30					1.38	.22	.15	.53						.30	.34	T	.07			.15	.15									
Hugh Bringe, Lock No. 7							.42	1.06	.16	.18	.01					.58	.38					.22										
Lexington		T.					.03	.22	.07	.13	.11					.29	.72	.87				.07	.43	.02								
Louisville						T.	.08	T	.52	.06					T	.20	.13					.25	T	T	T							
Leitchfield								.31	.11	.38	.09				.07	.57	.33				.35	.52			.48							
Lexington						.28	.52	.03	.50	.08	.04					2.15	.54					.01	.05	.13								
Little Hickman, Lock No. 8						T.	.19	.11	.17	.21						.38	.23					.04		T								
Lockport, Lock No. 2								.25		.03	T					.90	.26	.54				.14	.08									
Lock-ridge							.05	.38	.07	.10	T.					.45	.50	.21				.19	.05									
Mammoth Cave						.84	.26		.91	.03					T.	.10	.22					.27	.02		.46	.18						
St. John																																
Salvisa, Lock No 6	T					T.	T	.20	.56		.7					1.75	.38					.18	.05		T							
Shelbyville	.01							.15	.10	.12	.21					.50	.48							T		.09						
Shepherdsville			T.				.88	.04	.01	.25						.81	.33					.19	.02	.02	.02	.7						
Stearns							.45	.48	.12	.23						.50	.29					.18	.10	.04		.35						
Taggerville						.20			.46							2.0						.41										
Tyrone, Lock No. 5	T					.02	.22	.20		.22	.10					.62	.39					.6	.07		.12							
Williamstown							.02	1.01		.04	.18					.72	.48	.02				.13	.05	T		.28	T					
Woodbury, Lock No. 4							.97	.50	.31	.16						1.25	.50					.13	.05		.10	.8						
Eastern Division								.75		.37	.03					.67	.16	.05				.14	.04			.2						
Annville																																
Aspland		.06					.27	.16		.25	.11					1.35	.41	.27				.06	.01		.50	.14						
Barbourville							.41	.01		.73	.06					.08	.46	.16				.33	.02		.16	.02						
Berea							.27		.47	.13						1.30	.24					.34										
College Hill, Lock No. 11	T					T	.13	.51	.02	.32	.17					1.67	.82					1.05	.02									
Cumberland		.25					.10	.28	.10	.48	.10					1.08	.58	.28					.02		.85	T						
Cumming						.08	.02	T	1.	.39						1.24	.44					.25			.32							
Falmouth		.01			T		.15	1.60		.60					.20	.25		.15					T	T		.30						
Farmers		.05				.15	.04	.36	.14	.24	.06					.26	.46	.17				T	.08	.01		.02						
Flemingsburg		.66					.45	.10		.83						.41	.76					.42	.22		.64							
Ford, Lock No. 10							.14	.07		1.00	.09					.56	.8						.22		.02							
Greenup, Dam 30		.15				T	.03	.18	T.	1.50	.16					.76	.70	.07				.07	.01		.30	T						
Hazard							.14	.05	.62	1.43	.02	T.				.68	1.23	.38				.13	.17	.13	.23	.12						
Hoddleberg, Lock No. 14					.85			.10		.40						.61	.10	.24				.20	.12		.48	.02						
Jackson	T						.24	.18		.20	.07					1.32	.47	.20					.06		.08	.26						
Jenkins							1.31			.37	.16		.23			1.44	.25						.06		.02							
Livingston		.30					.20		.01	.18		.10				1.30	1.06	.21					.80		.27							
Louisa																																
Maysville		.05					.14			.38	.08					.12	.10	.10														
Middlesboro						T	2.85	.16	.79	.34						.03	.52					T	.05	.13	.74	.01						
Mount Sterling																																
Oneida						T	.38	T.	.05							1.10	.24					T										
Pigeana Dam 35		.69					.28		.70							.76	.42	.32					.05			.48						
Prestonville						T	.60	.37	1.24	1.76	.17					.60	.57	.18				T.	.12		.80							
Pikeville		.02				.05	.12			.61	.16					.32	.38	.25					.07		.17	.22						
Pippapass		T				.13	.13	.01		.12	.04					1.26	.48						.10	T	.47	.01						
Quicksand						.18	.12	.51		.23	.18				.02	1.43	.44	.04					.12	.02	.52	.12						
Savanna, Lock No. 12	T						.08			.05	.12						.85	.10					.09	T.	.20	.13						
Richmond							.18	.27		.23	.10					1.23	.56	.27				T	.04	T.		.28	.09					
Valley View, Lock No.							.10	.40		1.10		.15				1.50	.26					.15	.25			.70						
Vanceburg, Dam No. 32		.07				.03	.03	.16		.77	.19					.80	.25	.27				T		.01			.28					
Williamsburg							.38	.58	.18	.60	.12					.20	1.20	.16					.09	.09		.53	.12					
Willow, Lock No. 13								.27	.37	.18						.65	.32	.32								.04	.50					
							.27	.70		.42	.19						1.12	.50	.20				.17					.26					

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ° Precipitation included in the next following measurement.

‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. * Lone Oak.

Daily Temperatures for October, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	80	72	74	79	80	78	72	81	80	69	64	74	77	77	78	77	72	70	80	81	77	73	50	61	57	63	50	50	66	62	64	70.1
	Minimum	55	51	49	46	57	65	64	66	65	57	42	45	49	46	53	61	52	49	47	55	50	48	46	39	45	43	35	30	35	32	37	49.2
Earlington	Maximum	85	73	75	80	80	79	73	83	78	69	66	75	79	78	77	75	70	70	81	82	78	74	50	61	62	64	45	51	66	60	66	70.5
	Minimum	55	46	46	45	60	66	65	65	61	48	46	47	50	48	52	61	52	48	47	55	50	48	46	39	45	43	35	30	35	32	37	49.2
Greenville	Maximum	84	70	72	79	80	79	74	80	77	66	63	64	77	77	76	78	69	69	79	80	75	73	51	61	58	63	47	51	65	64	..	69.6
	Minimum	52	45	45	44	55	63	62	65	63	54	43	41	45	45	50	58	50	46	45	51	47	42	38	41	46	33	26	31	36	..	..	47.9
Henderson	Maximum	86	69	77	79	82	79	72	80	76	66	67	77	80	78	80	79	66	74	82	83	78	72	50	64	59	62	50	52	68	64	65	70.5
	Minimum	56	46	45	46	56	63	66	65	64	46	46	46	50	46	50	60	51	50	49	57	52	46	45	36	45	41	33	27	36	36	39	48.2
Hopkinsville	Maximum	78	78	76	82	80	78	72	80	76	68	65	75	76	77	78	78	71	71	81	82	79	74	48	60	60	60	61	48	65	58	60	69.9
	Minimum	61	47	46	46	55	61	64	65	60	52	45	41	46	46	52	60	52	47	44	52	49	44	43	39	45	43	35	28	36	34	35	47.2
Lovelaceville	Maximum	80	74	74	81	84	82	73	85	77	67	66	75	78	78	78	78	71	71	81	82	79	74	44	60	60	61	48	52	67	64	63	70.8
	Minimum	60	46	44	46	54	60	61	62	65	59	44	53	43	43	49	60	52	45	42	50	45	42	41	40	43	41	33	28	27	31	36	45.5
Mayfield	Maximum	86	73	78	83	85	84	75	84	77	69	67	74	78	78	78	72	75	71	72	77	77	76	76	49	60	60	60	59	44	..	..	71.3
	Minimum	62	48	49	47	57	65	64	64	62	50	43	44	43	46	54	62	52	49	48	51	50	46	45	39	46	45	34	29	34	40	42	47.9
Murray	Maximum	87	75	77	82	84	75	78	84	75	68	65	76	80	80	78	77	74	72	81	83	78	72	48	63	58	62	48	50	65	63	69	71.6
	Minimum	63	46	41	42	54	60	63	65	63	58	43	45	50	51	53	61	52	50	45	47	52	46	45	36	45	41	33	27	36	36	39	48.2
Owensboro	Maximum	86	68	76	80	81	78	73	82	76	67	66	75	78	78	78	78	71	71	81	82	79	74	44	60	60	61	48	52	67	64	63	70.8
	Minimum	58	50	49	48	56	61	64	65	64	52	45	47	42	45	52	60	52	46	42	47	47	43	38	36	43	39	33	29	36	40	37	46.7
Paducah	Maximum	87	73	76	81	85	81	72	85	75	66	67	73	76	78	81	78	69	74	82	83	80	74	56	61	62	63	47	52	67	64	63	71.2
	Minimum	47	43	43	45	60	63	62	65	65	51	44	44	44	45	49	61	53	50	44	52	51	47	43	34	45	43	35	29	35	35	40	47.6
Princeton	Maximum	84	72	73	79	81	77	71	84	76	69	66	74	77	77	77	76	70	71	81	84	80	73	57	63	63	63	48	51	67	65	66	70.4
	Minimum	64	50	49	48	56	65	64	64	65	56	46	46	46	47	52	62	52	50	45	51	54	48	45	39	45	43	35	29	30	35	37	48.2
Russellville§§	Maximum	82	72	75	80	82	82	69	82	78	66	64	70	73	76	74	73	66	67	80	80	80	77	58	73	67	73	59	64	69	65	68.9	
	Minimum	50	41	43	42	51	57	63	64	67	54	46	41	43	46	52	58	51	46	43	51	53	51	42	39	42	47	34	26	30	36	32	46.5
Central Division.																																	
Anchorage	Maximum	85	63	68	76	76	76	72	70	75	64	60	70	76	75	76	..	65	64	76	80	76	62	46	59	60	60	46	51	63	59	63	66.67
	Minimum	48	42	42	45	53	60	64	65	63	54	43	42	46	51	..	..	42	35	42	52	54	46	43	42	37	39	24	29	34	31	34	44.8
Bowling Green	Maximum	85	72	74	81	82	84	75	79	78	70	65	74	76	76	75	73	69	66	75	77	77	68	54	56	71	66	52	55	62	63	66	70.0
	Minimum	55	51	49	48	55	65	66	66	66	54	52	45	47	48	50	60	52	48	45	48	52	50	48	38	47	51	40	37	38	40	45	50.9
Danville	Maximum	84	70	74	80	80	79	73	80	80	68	69	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2
Dix Dam	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2
Elkhorn	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2
Frankfort	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2
Glasgow	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2
Greensburg	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2
Irvington	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2
Leitchfield	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2
Lexington	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2
Louisville	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2
Mammoth Cave	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mammoth Cave	Maximum	84	70	71	80	79	81	79	79	78	70	66	70	75	78	79	71	69	68	77	79	76	71	65	69	65	69	55	48	66	66	66	70.2
	Minimum	62	52	51	50	59	61	63	65	59	54	46	48	46	46	57	59	47	36	41	52	50	50	42	46	42	44	33	33	27	33	36	44	47.6
St. John	Maximum	80	74	76	46	55	64	63	65	59	54	46	48	46	46	57	59	47	36	41	52	50	50	42	46	42	44	33	33	27	33	36	44	47.6
	Minimum	67	70	70	77	78	75	80	78	66	63	73	70	76	74	69	64	64	75	75	76	65	51	60	66	62	61	48	52	57	63	63	68	65.6
Shelbyville	Maximum	87	75	78	83	84	85	78	83	79	70	62	74	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	57	53	53	53	64	66	68	69	70	62	54	56	54	55	60	64	51	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Taylorsville	Maximum	87	68	68	76	76	78	74	77	78	..	69	69	71	73	73	69	67	62	68	72	70	76	62	63	66	67	64	44	48	..	55	69.6	
	Minimum	51	42	40	40	54	60	58	64	58	54	43	40	41	42	48	59	50	45	40	41	42	45	38	35	41	39	30	28	30	32	33	44.1	
Williamstown	Maximum	84	70	71	80	79	81	79	79	78	70	66	70	75	78	79	71	69	68	77	79	76	71	65	69	65	69	55	48	66	66	66	70.2	
	Minimum	62	52	51	50	59	61	63	65	59	54	46	48	46	46	57	59	47	36	41	52	50	50	42	46	42	44	33	33	27	33	36	44	47.6
	Maximum	80	74	76	46	55	64	63	65	59	54	46	48	46	46	57	59	47	36	41	52	50	50	42	46	42	44	33	33	27	33	36	44	47.6
	Minimum	67	70	70	77	78	75	80	78	66	63	73	70	76	74	69	64	64	75	75	76	65	51	60	66	62	61	48	52	57	63	63	68	65.6
	Maximum	87	75	78	83	84	85	78	83	79	70	62	74	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	57	53	53	53	64	66	68	69	70	62	54	56	54	55	60	64	51	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
	Maximum	87	68	68	76	76	78	74	77	78	..	69	69	71	73	73	69	67	62	68	72	70	76	62	63	66	67	64	44	48	..	55	69.6	
	Minimum	51	42	40	40	54	60	58	64	58	54	43	40	41	42	48	59	50	45	40	41	42	45	38	35	41	39	30	28	30	32	33	44.1	
	Maximum	84	70	71	80	79	81	79	79	78	70	66	70	75	78	79	71	69	68	77	79	76	71	65	69	65	69	55	48	66	66	66	70.2	
	Minimum	62	52	51	50	59	61	63	65	59	54	46	48	46	46	57	59	47	36	41	52	50	50	42	46	42	44	33	33	27	33	36	44	47.6
Williamstown	Maximum	80	74	76	46	55	64	63	65	59	54	46	48	46	46	57	59	47	36	41	52	50	50	42	46	42	44	33	33	27	33	36	44	47.6
	Minimum	67	70	70	77	78	75	80	78	66	63	73	70	76	74	69	64	64	75	75	76	65	51	60	66	62	61	48	52	57	63	63	68	65.6
	Maximum	87	75	78	83	84	85	78	83	79	70	62	74	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	57	53	53	53	64	66	68	69	70	62	54	56	54	55	60	64	51	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Eastern Division.																																	
Ashland	Maximum	80	70	71	76	80	79	80	79	74	72	68	74	78	80	79	69	69	64	80	76	78	80	65	62	66	73	67	46	53	54	56	60	69.2
	Minimum	60	47	42	41	53	57	62	64	66	60	55	45	46	48	52	60	54	38	42	47	49	53	49	47	42	40	35	27	37	45	52	48.2	
Berea	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Cumberland	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Farmers	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Heidelberg	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Irvington	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maysville	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Middlesboro	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Mount Sterling	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Pikeville	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Pippapass	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Quicksand	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Raymond	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	
Williamsburg	Maximum	84	70	71	80	80	79	73	78	80	68	65	73	76	78	78	76	69	68	78	80	78	73	56	63	66	68	58	55	65	63	66	70.0	
	Minimum	54	48	48	48	56	63	64	65	64	52	48	46	48	50	50	60	52	50	46	50	52	48	46	39	45	43	35	30	35	32	37	49.2	

§ Maximum temperatures are read in the morning; the maximum temperature reading is charged to the preceding day, on which it almost always occurs.

§§ Incomplete records.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

THE LIBRARY OF THE
JAN -2 1937
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLI LOUISVILLE, KY., NOVEMBER, 1936 No. 11

GENERAL SUMMARY.

Although the month was colder than normal, abundant sunshine and short intervals of relative warmth maintained slow growth through the first three weeks. Grass and some rye pastures furnished considerable grazing early in this period, but frequent lapses to subnormal temperature reduced growth practically to dormancy by the end of the second decade. Temperatures far below the seasonal average in the last week stopped all growth and brought pastures and grain fields to winter condition. At the end of the month fall grains were somewhat undersized but generally in good condition.

Nearly all of the precipitation for the month occurred in the first four days. The heavy rains, and in central districts the remarkably heavy snowfall, caused some damage to shocked corn and complete cessation of the late potato harvest. Because they had not shed their foliage, shade and fruit trees were extensively broken and damaged by the weight of the wet snow, which in some places amounted to eight inches. As a result of soil saturation and standing water fields could not be entered during the first week, and not much outdoor work could be accomplished in the first decade. During this period tobacco stripping began on most farms. Continuously dry weather that followed the wet spell soon dried the soil sufficiently that corn gathering and potato digging could be resumed. Most potatoes had been dug by the middle of the month and corn was nearly all in crib by the end. Stored grain dried out more quickly and thoroughly than usual. Except for a few windy days and decidedly cold mornings, the weather of the first three weeks was generally comfortable for the usual farm activities.

As the dry weather continued and fall work was completed, many farmers began their winter plowing. Low humidity caused rather rapid loss of surface moisture, but this tendency was offset by low temperature late in the month. Moisture remained ample for the needs of grains. While favorable for most farm operations, the persistent dry weather brought an end to the stripping of tobacco rather early in the month. It interfered seriously with the preparations for marketing the crop that are usually made in the last two weeks of this month.

TEMPERATURE.

The first two days were decidedly warm, with maxima of 80° at some stations. After this temperatures somewhat below normal prevailed for a decade, followed by variable conditions until the end of the third week. Quite low temperatures occurred over the snow cover on the 4th and 5th. Unseasonable cold prevailed during the last decade, with minima ranging from 11° to 16° at many stations in the period 27-30th. The highest was 81° at Paducah on the 2d, and the lowest 10° at Greenville on the 29th.

PRECIPITATION.

Precipitation averaged near normal and was fairly well distributed over the State. Some western and northern districts received slightly more than 4.0 inches. In most of the State amounts ranged from 3.0 to 4.0 inches. Stations in a few central and northern counties reported from 2.0 to 3.0 inches. The range for the State was 1.82 inches at Pikeville and 5.62 inches at Henderson. Heavy precipitation, largely snow, occurred on the 4th and 5th. The total snowfall in this period ranged from 1.0 inch in the extreme southeastern counties to 8.5 inches in the northern part of the Purchase. This snow fell at about 32° and partly melted during its occurrence, hence the entire amount did not show in accumulated depths. A few portions of the State reported light rain on the 2d. Light and local precipitation occurred on the 1st, 8th, 11th, and 24-27th. Thunderstorms were reported on the 1st, 2d, and 3d.

MISCELLANEOUS.

Floods.—The heavy snow and rain on the 4th caused a rise that continued to moderate stages in the Ohio from the 5th to 12th. The river had subsided to low stage by the 22d.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity. 7 a. m.	12 noon	7 p. m.	Percentage of sunshine
Cairo.....Ill.	30.20	30.53	19	29.76	2	9.1	28	S.	2	78	52	78	64
Cincinnati.....Ohio	30.17	30.62	18	29.66	14	8.6	24	W.	14	83	60	67	58
Evansville.....Ind.	30.19	30.54	19	29.78	2	9.8	34	S.	2	77	56	69	59
Louisville.....Ky.	30.19	30.58	19	29.74	14	11.8	30	NW.	15	75	64	71	62

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation. Average.	Average snowfall.	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	43.1	85	10	6.04	....	..	..	..	..
1890	48.6	81	19	4.87	....	..	..	..	..
1891	43.5	75	10	6.64	....	..	..	..	..
1892	42.8	78	9	3.86	....	..	..	..	..
1893	44.3	79	− 2	3.12	....	..	..	..	..
1894	43.3	80	8	1.92	....	4	..	..	..
1895	45.8	85	16	4.29	....	7	10	7	13
1896	49.3	89	11	5.01	....	8	16	8	12
1897	47.8	78	12	4.69	T.	10	13	7	10
1898	43.2	80	10	2.79	0.5	8	12	7	11
1899	49.8	79	20	2.12	T.	8	11	7	12
1900	47.0	83	15	2.78	1.0	8	17	6	9
1901	41.8	82	11	1.52	T.	4	19	5	6
1902	53.4	90	20	4.32	0.3	11	11	6	13
1903	42.5	81	5	3.01	2.0	8	12	7	11
1904	44.7	79	14	0.89	T.	3	15	6	9
1905	46.4	79	14	3.75	T.	7	15	6	9
1906	46.1	93	11	5.02	2.3	7	13	6	11
1907	44.2	75	15	3.39	0.1	7	14	5	11
1908	48.6	80	8	2.61	0.2	7	14	7	9
1909	54.7	86	16	2.29	T.	6	15	6	9
1910	44.1	78	11	2.04	T.	6	16	5	9
1911	41.6	85	9	4.51	0.8	8	10	4	16
1912	45.2	82	10	1.22	0.2	4	16	5	9
1913	50.5	84	8	3.25	0.9	9	12	5	13
1914	46.9	83	5	1.23	0.4	5	18	5	7
1915	49.8	85	16	4.80	0.4	9	15	7	8
1916	47.8	83	8	1.52	T.	4	20	4	6
1917	44.3	78	11	1.23	0.1	5	14	5	11
1918	46.1	77	19	1.50	0.0	6	14	5	11
1919	47.4	78	16	7.31	0.0	9	15	5	10
1920	44.7	79	10	2.21	2.8	8	12	5	13
1921	49.8	79	20	7.96	T.	12	11	5	14
1922	48.3	87	16	1.83	0.4	6	16	6	8
1923	46.4	75	16	3.65	0.0	9	14	5	11
1924	47.7	83	14	1.82	0.1	9	11	7	12
1925	44.9	75	8	5.13	0.1	7	12	6	12
1926	42.9	80	6	3.40	2.0	9	10	5	15
1927	51.3	82	13	5.01	0.1	16	9	5	16
1928	46.8	78	10	3.93	T.	10	10	6	14
1929	41.6	81	− 9	4.05	3.0	11	8	5	17
1930	47.1	85	− 4	1.82	1.0	10	12	6	12
1931	55.0	84	19	5.52	T.	10	13	5	12
1932	43.8	78	11	2.71	0.4	9	14	5	11
1933	45.5	85	10	4.54	T.	5	6	11	13
1934	50.5	84	14	2.85	T.	7	15	6	9
1935	47.3	85	11	3.86	T.	11	7	6	17
1936	42.9	81	10	3.89	0.4	5	14	8	8
Period	46.5	93	− 9	3.77	0.6	5	14	8	8

Climatological Data for November, 1936.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days.					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Birmingham	Marshall	437	32	47.3	−1.0	79	2	18	27	36	4.03		3.07		3					Tennessee Valley Authority.
Calhoun	McLean	420	46	44.5	−2.5	78	2	17	27	37	3.97	+0.33	2.52	6.0	4	13	13	4	sw.	W. A. Taylor.
Earlington	Hopkins	456	7								3.56	−0.07	2.50	4.0	4	19	3	8	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	7								3.62		2.55	5.3	5					Lockmaster.
Greenville	Muhlenburg	519	19	42.8	5.0	80	2	10	27	37	3.68	+0.14	2.33	3.5	5	17	9	4	n.	C. R. Lovell.
Henderson	Henderson	382	22	42.8		76	2	17	5	38	5.62	+1.83	2.83	7.0	6	15	9	6	n.	Frank Street.
Hopkinsville	Christian	524	40	44.4	−4.1	75	21	15	27	43	4.17	+0.18	3.0	6.8	6	15	7	8	n.	W. E. Graves.
Hopkinsville	Christian		7	43.0		79	2	18	27	42	3.74		2.50	8.0	4	22	2	6	s.	Blaine Malone.
Lovelaceville	Ballard			45.3	−3.8	76*	2	20	27	37*	4.06	+0.18	3.17	3.0	3	18	7	5	n.	Mrs Joe Payne.
Mayfield	Graves	364	27	43.6	−4.5	80	2	18	16	42	4.00	+0.44	3.05	3.5	3	19	5	6	n.	Harry B. Arnold
Murray	Calloway	412	10	43.6	−4.5	80	2	18	16	42	4.00	+0.44	3.05	3.5	4	15	5	10	nw.	Henry S. Berry.
Owensboro	Daviess	479	39	41.7	−5.3	76	3	14	27	28	3.93	+0.61	2.42	2.5	4					Lockmaster.
Owensboro, Dam 46	Daviess	404	3								4.01		2.38	4.0	6					Joe Lagore.
Paducah	McCracken	316	19	45.6	−2.4	81	2	17	27	37	3.42		2.43	8.5	5	6	15	5		Dr. W. L. Cash.
Princeton	Caldwell	529	29	44.2	−3.1	80	2	18	27	41	3.81	−0.52	2.55	5.0	5	18	6	6	n.	
Ransey, Lock 2	McLean	384	19								3.37	−0.15	1.85	4.5	6					Lockmaster.
Russellville	Logan	590	25	41.2	−6.8	80	2	11	27	31	3.26	−0.02	1.83		5	16	4	10	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	8								4.49		2.97	3.0	3					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	8								4.00		1.55	2.2	4					Lockmaster.
Anemonage	Jefferson	700	35	40.0	−4.8	76	2	12	27	36	4.50	+1.26	1.82	7.7	4	17	3	10	se.	C. R. Barret.
Bowling Green	Warren	500	47	45.0	−2.9	79	2	17	27	35	2.89	−0.75	1.95	2.5	4	16	7	7	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6	Edmonson	450	18								3.34	−0.52	1.88	3.0	7					Lockmaster.
Burnside	Pulaski	703	45								3.25	−0.21	2.00	T.	6					T. A. Lewis
Carrollton, Lock 1	Carroll	480	37								4.20	+1.27	1.50		5					Lockmaster.
Cave Spring, Dam 36	Campbell	489	10								3.89	+0.65	1.84	3.0	5					Lockmaster.
Danville	Boyle	560	3	43	8	78	2	16	27†	40	2.67	−0.34	1.56	5.0	5	12	10	8	w.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	8																	C. W. Williams.
Eadsville	Wayne	622									5.19		4.34	T.	4					Lockmaster.
Eubank	Pulaski	1177	42	41.6	−4.0	73	3	14	28	40	4.16	+0.77	3.25	2.0	3	13	6	11	n.	Mrs. Kattie Payne.
Frankfort	Franklin	560	44	42.7	−3.9	78	2	18	27	41	3.58	+0.39	1.82	2.0	5	12	7	11	w.	Lockmaster.
Gest, Lock 3	Henry	480	25								2.84	+0.60	1.48	7.0	5					Lockmaster.
Glasgow	Barren	780	10	42.5	−6.0	75	2	11	27	36	3.32	−0.99	2.62	2.0	2	23	4	3	n.	R. L. Beatty.
Grant, Dam 38	Boone	780	11								2.88	+0.12	0.96		6					Lockmaster.
Greensburg	Green	580	43	42.6	−3.1	79	2	15	27†	39	3.17	−0.38	1.68	4.0	4	5	5	20	sw.	Mrs. Bettie K. H. Alcorn.
Mitch Bridge, Lock 7	Jessamine	544	34								2.36	0.82	1.38		5					Lockmaster.
Irvington	Breckinridge	646	38	42.6	−4.4	78	2	16	27	34	2.90	−0.32	1.83	5.5	4	18	3	9	nw.	W. J. Piggot.
Jamestown	Russell	960																		N. B. Falkenberg.
Lancaster	Garrard	1032	10								3.67	+0.41	2.62		5					Walter Killion.
Leitchfield	Grayson	635	40	43.5	−3.3	79	2	11	27	36	3.77	−0.17	1.98	6.8	5	14	13	5	sw.	H. H. Willis.
Lexington	Fayette	989	52	41.1	−3.7	75	2	16	27	34	2.65	−0.69	1.47	6.6	8	15	9	6		U. S. Weather Bureau.
Litchfield, Lock 8	Jessamine	560	25								2.92	−0.22	1.87	1.0	4					Lockmaster.
Lockport, Lock 2	Henry	485	26								4.61	+1.67	1.55		4					Lockmaster.
Louisville	Jefferson	459	65	42.0	−4.7	78	2	18	27	36	4.11	+0.50	1.73	7.6	4	15	6	9	sw.	U. S. Weather Bureau
Mammoth Cave	Edmonson			40.1		79	2	12	27	33	3.48		1.47	3.0	5	18	6	6	sw.	Ivan J. Ellsworth.
Salvisa, Lock 6	Mercer	520	22								2.04	−1.53	1.04	1.1	3	24	1	5		Sisters of Loretto.
Shelbyville	Shelby	825	47	41.2	−3.6	75	2	15	27	33	2.67	−0.63	1.43		4					Lockmaster.
Shepherdsville	Bullitt	500									4.11	+0.86	1.94	1.5	5	13	2	15	n.	Miss RuthRatta.
Stearns	McCreary	1400									2.14		1.01	6.1	5	16	6	8	sw.	A. McLeod.
Taylorsville	Spencer	489	34	40.6	−4.5	76*	2	18*	27	32*	3.36	−0.66	1.65	4.6	4	19	5	6		Geo Wright
Tyrone, Lock 5	Anderson	524	18								2.54	−1.36	1.22	3.3	9					Elizabeth J. Bourne.
Williamstown	Grant	943	33	39.6	−5.8	71	2†	19	27†	28	3.40	+0.48	1.25		4	11	10	6	w.	Lockmaster.
Woodbury, Lock 4	Butler	504	19								4.47	+0.63	1.92	3.3	5					Miss Nettie B. Simpson.
Eastern Division.																				Lockmaster.
Annville	Jackson		5								4.41		2.92	2.0	6	12	7	11	nw.	W. A. Worthington.
Ashland	Boyd	531	17	44.4	−2.7	75	2	20	30	36	4.07	+1.17	2.11		7	12	3	15	sw.	Lockmaster.
Barbourville	Knox																			Mrs. Ralph Tuggle.
Berea	Madison	1070	31	43.6	−4.1	76*	2	18*	27	35*	4.11	+0.77	2.00	2.5	6	13	4	13	sw.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	26								3.29	+0.35	2.46	1.5	6					Lockmaster.
Cumberland	Harlan			41.4		78	2	10	29	43	2.33		1.01	0.4	5	20	5	5	n.	C. Bertram Fields.
Cynthiana	Harrison	684	18								3.98	+0.98	1.80		4					D. H. Kelley.
Falmouth	Pendleton	600	47								3.88	+0.93	1.85		6					J. V. Oldham.
Farmers	Rowan	668	22	43.0	−2.5	75	2	14	30	44	4.37	+1.28	3.20		2	10	9	11	e.	Mrs. R. F. Stamper.
Flemingsburg	Fleming	841	11								4.10	+0.72	1.70		4					C. A. Glascock
Ford, Lock 10	Clark	537	20								2.86	+0.03	1.03	1.0	7					Lockmaster.
Greenup, Dam 30	Greenup	1197	8								4.28	+1.21	1.93		6					Lockmaster.
Hazard	Perry	869	12								2.45	−0.60	1.10		8	5				Chas. C. Bing.
Hodgenville, Lock 14	Lee	683	19	44.0		78	2	15	28	42	4.62	+0.61	3.07	1.5	7	12	8	10	w.	Lockmaster.
Jackson	Breathitt	540	16								3.21		2.25	1.0	6					Jas. T. Goff.
Jenkins	Letcher	776									2.37	−1.35	1.04	2.0	11					R. J. Hiward.
Livingston	Rockcastle	950																		B. H. Griffin.
Louisa	Lawrence	584	32								2.65	−0.05	1.37		4					Lockmaster.
Maysville	Mason		16	41.6	−3.7	72	2	14	30	38	3.63	+0.69	1.30	1.4	6	11	8	11	sw.	Lockmaster.
Middlesboro	Bell	1021	26	42.8	−3.5	79b	2	12b	28	42b						15	13	2		Matthew Woodson
Mount Sterling	Montgomery	1128	40	40.5	−3.7	74	2	18	28	38	2.12	−1.41	1.40	3.5	2	15	9	6	nw.	W. B. McKee.
Owenton	Owen	990	46								3.42		2.00		5					Joe L. Gay.
Oneida	Clay	497	9								2.73	−0.18	1.34	4.0	4					Lockmaster.
Oneonta, Dam 35	Johnson	567	2								2.91		1.59	0.5	7					Manuel Robinson.
Owensville	Pike	696	36	45.0		80	3	17	28	45	1.82	−1.14	1.33	1.0	6	11	9	10		U. S Weather Bureau.
Pikeville	Knott	1035	2	45.2		81	3	15	28	43	2.34		1.59	3.2	9	14	5	11		Caney Run Com. Cen.
Poppenuse	Breathitt	792	16	44.8	−2.2	79†	2	17†	30	42†	3.63	0.24	2.15	2.0	5					R. W. Jones.
Quicksand	Breathitt	631	18								4.86	+2.14	3.80		5					Lockmaster.
Ravenna, Lock 12	Estill	926	35	43.1	−4.1	68	11	16	27	30	3.46	+0.23	2.25		5	15	0	15		I. W. Crooke.
Richmond	Madison	571	23								2.82	−0.64	1.80	2.0	5					Lockmaster.
Valley View, Lock 9	Madison	525	21								3.81	−0.67	1.70		5					Lockmaster.
Vanceburg, Dam 32	Lewis	529	37	41.6	3.0	81	2	14	28	40	3.24	−0.11	2.04	1.0	8	19	7	4		John W. Stephens.
Williamsburg	Whitley	646	19		6						5.10	+1.72	3.30		5					Lockmaster.
Zilpo, Lock 13	Lee			42.9	3.6	81	21	10	27†	45	3.50	+0.03	4.31	3.4	5	14	8	8	sw.	
State averages and extremes																				

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †Ransey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. T. Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.

* Also on other dates. †† Received too late to be included in means and summaries

‡ Postoffice addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky.

** Precipitation by U. S. Engineers.

Daily Precipitation for November, 1936.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Birmingham T			3.05	.87																						.14						4.06
Cadiz O																																
Earlington G	.04		2.06	.99				T																			.02					5.11
Fords Ferry Dam 50 O	T	.30	2.65	.50	.03			T																		.02	T					3.50
Greenville G	.20		2.43	.80																							.04					3.47
Henderson O	1.37	.05	2.84	1.25		.02																				.10	.16					5.79
Hopkinsville C	.19		3.21	.75				.02								T										.16						4.33
Lovelaceville M	.10		2.50	1.60																						.07	.01					4.31
Mayfield M	T		3.17	.85																						.14						4.14
Murray T	T		3.05	.84				T														T				.04						3.93
Owensboro O		.68	2.42	.78																					T	.12						4.00
Owensboro, Dam 46 O	T	.62	2.28	.86	.07			.05																	T	.1						3.93
Padgett O	T	.03	2.43	.80																							.01	T				3.41
Princeton C	.08	T	2.55	.92				.01																		.02	.14					3.72
Ramsey, Lock No. 2 G	.03	.16	1.85	1.18	.10																				T	.38						3.80
Russellville K	.06		1.45	1.83				.01																		.05						3.40
Uniontown, Dam 49 O		.82	2.97	.70	T			T																			.01					4.50
Central Division																										T						4.49
Addison, Dam 13 O		.65	1.55	1.40	.40			T	T																		T					
Anchorage O	1.82		1.41	1.32																	T											1.80
Bowling Green G			.80	1.95				.04																		.62	T					1.80
Brownsville, Lock No. 6 G	.27		.60	1.88	.40			.05	.02																		.16					2.89
Burnside C	.24	.07		2.00	.50			.04	.02																		.05					2.94
Carrollton (Lock No. 1) K	.18	1.08	.88	1.50	.58																		T				T					3.77
Cave Spring, Dam 38 O		1.81	.06	1.07	.90										.02											T	T					4.20
Danville K	.12		.81	1.56				.10																								2.59
Dix Dam, Burgin K																											.08					2.67
Earlington C	.13			4.34	.67										F																	
Eubank C				3.25	.80																.03							T				5.19
Evansport K	.42	.77	.27	1.52	.87			T							T						T					T	T	T				4.16
Grat, Lock No. 3 K	T	1.27	.26	1.18	.80			T													.02											3.53
Glasgow G	.70				2.02																											2.72
Grant, Dam 38 O	.03	.89	.26	.90	.75										T																	3.33
Greensburg C	.25		1.24	1.08				T																		.02						2.89
High Bridge, Lock No. 7 K	.03	T	.11	1.38	.82			.02							T						T						T	T				3.37
Lexington O	.46		1.88	.87				T																								3.21
Lancaster K		.07	2.62	.96			.08														T				T	T	.04					3.77
Leitchfield C	.21		1.98	1.53																						.08						
Lexington K	.03		1.01	1.47				.01						.01	T						.02					.02	.03					3.53
Little Rockman, Lock No. 8 K	T		.30	1.87	.65			T																		.01	.06	T				2.89
Lockport, Lock No. 2 K		1.20	.78	1.55	.88																						.10					4.51
Louisville O	1.07	T.	1.53	1.47				T																								5.07
Mammoth Cave G	.29		1.03	1.47																	T					T	.02	T				4.81
St. John K			1.04	.96																						.02	T.	.02				3.04
Salvisa, Lock No 6 K	T.		.30	1.43	.90			.14	T.																	T.	T.	.02				2.79
Shelbyville K	1.08		1.01	1.94										.05	T.													.03				2.67
Shepherdsville K	.17		1.01	.99				.01																				.03				4.11
Stearns K			1.15	1.37				.28																				.01				2.19
Taylorsville K	.61		.98	1.65																						.15	.16					3.11
Tyrone, Lock No. 5 K	.05	.25	.18	1.22	.75			.03	.07						T.						.03						.06					3.59
Williamstown K	1.35	.23	.61	1.18																						T.	.03					3.21
Woodburn, Lock No. 4 K	.26		1.92	1.16	.18																											3.40
Eastern Division																											.05					4.07
Annville K	.43	.04		2.92	.82										T																	
Ashland O	.01	.55		2.11	1.25			.07						.04												.10	.13					4.51
Barbourville K																										.01	T					4.67
Berea K			1.40	2.60									.03	.01							.01						.06					
College Hill, Lock No. 11 K	.04	.03		2.16	.68			.05																			.03					4.11
Cumberland C	T.			1.91	.04																					T.	.20	.14					3.29
Cynthiana L	T.	1.90	.08	1.30	.70			T							.04								T.			.20	.14					2.33
Falmouth L	.07	1.19	.05	1.58	.94			T.	T.						.05	T.							T.			T.	T.					3.53
Farmers L				3.20	1.17																											3.88
Flemingsburg L		.80		1.50	1.80										.10																	4.87
Ford, Lock No. 10 K	.04	.01	.01	1.98	.87			.02	T.						T.																	4.10
Greenup, Dam 30 O	.12	.80		1.93	1.31										.07	.10							T.			T.	.01					2.84
Hazard K	.23			1.10	.83			.08							.03																	4.23
Hindeman, Lock No. 14 K	.17	.98		3.07	.95			.05	.06																	.10	.03		.05			2.45
Jackson L		.22		2.28	.70			.10							.07	T.						T.					.12					4.72
Jenkins K	.01	.07		.67	1.04			.04	.14			.03				.05											.10					3.24
Livingston C																										.08		.11	.08			2.37
Louisa K		.08		1.87	1.15			.05																								
Owensville O	.03	1.05	T.	1.50	1.15			T.							.07											T.	.01					2.65
Middlesboro K																																3.03
Mount Sterling L			1.40	.72																												
Oneida C		.20		2.00	.58				.04																	T.	T.					2.12
Owensboro Dam 85 O		.07	.04	1.34	.38										T.												.20					3.42
Paintsville K	.07	.05		1.24	1.30				.08							.07										T.	T.	T.				2.78
Peeville K	.17		.15	1.83											T.												.05					2.94
Pippapass K	.23		.07	1.29	.63			.08								.07							.04	T.	T.	T.	.10					1.82
Quicksand K	.22		2.15	2.01	1.05				.01								T.							.05	T.	.10	.12					2.84
Ravenna, Lock No. 12 K	.06	.13		3.86	.82		T	T.																								8.63
Richmond K	.10		.25	2.25	.75		.05								T.											T.	.05	T.				4.86
Valley View, Lock No. 9 K		.06		1.80	.90		.04								T.																	3.40
Vanceburg, Dam No. 32 K	.11	.98		1.60	1.14										.01												.03					2.82
Williamsburg L	.04			2.04	.78		.06	.09																								3.84
Willow, Lock No. 13 K		.15		3.50	.95			.05																		.05	.13		.05			5.24
																											.05					5.19

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

Reference mark **) Regular Weather Bureau station; precipitation is for the 24 hour period, midnight to midnight.

Precipitation measured in the morning; amount thus recorded is for the preceding 24 hours. * Precipitation included in the next following measurement

; Separate dates of falls not recorded. T. Trace, or less than .005 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland (T) Tennessee; (O) Ohio; (M) Mississippi.

¶ Lone Oak

Daily Temperatures for November, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	72	79	76	42	45	55	62	59	51	54	62	63	60	67	62	51	62	58	51	68	64	57	51	51	40	37	32	57	53	45	..	56.2
	Minimum	58	68	40	31	26	36	43	39	37	35	43	44	41	42	38	32	41	40	31	47	44	36	44	32	33	28	18	35	34	31	..	38.4
Earlington	Maximum	75	78	77	50	44	54	59	55	50	52	63	62	60	69	64	49	61	58	50	66	62	53	52	50	40	34	32	56	58	45	..	55.8
	Minimum	57	69	40	30	21	26	36	45	35	27	33	32	34	40	23	27	37	25	30	44	28	45	33	34	22	17	27	25	25	..	..	33.2
Greenville	Maximum	75	80	75	40	44	55	64	58	50	51	62	65	62	70	58	50	60	57	50	65	62	54	60	49	40	38	30	58	52	42	..	55.8
	Minimum	53	66	38	28	18	27	35	37	32	27	26	30	29	34	18	24	37	24	27	42	23	40	29	20	18	10	21	22	24	..	..	29.9
Henderson	Maximum	69	76	75	40	46	52	62	49	52	54	64	67	61	67	57	49	63	56	52	67	62	55	50	44	37	34	36	58	40	42	..	54.2
	Minimum	54	75	39	29	23	28	40	39	34	27	31	34	32	31	37	21	26	39	34	35	46	26	40	32	31	23	15	24	27	28	..	32.9
Hopkinsville	Maximum	71	79	75	42	45	54	62	55	47	51	60	64	64	70	61	53	60	60	51	67	64	54	51	49	40	38	36	60	59	43	..	56.1
	Minimum	56	68	37	26	22	26	34	37	32	23	25	26	28	28	38	18	23	33	26	26	45	22	40	23	31	20	18	26	22	25	..	29.8
Lovelaceville	Maximum	74	76	75	..	..	..	..	58	48	..	56	56	60	67	66	54	60	62	55	67	62	55	53	50	42	37	38	61	58	47	*57.3
	Minimum	53	67	34	28	25	28	38	36	26	29	30	34	36	38	39	22	31	43	28	33	45	28	41	25	32	24	20	26	29	27	..	33.3
Mayfield	Maximum	76	80	77	40	47	58	65	55	47	53	66	63	65	70	52	53	62	61	52	68	61	55	58	48	42	34	35	54	48	45	..	56.4
	Minimum	55	67	38	29	23	26	38	37	33	23	25	28	28	31	39	18	21	43	28	26	43	23	42	25	27	20	21	22	24	..	..	30.9
Murray	Maximum	63	67	76	56	41	52	53	60	45	47	52	60	61	66	64	38	47	60	55	64	60	46	52	49	37	30	31	52	50	42	..	51.5
	Minimum	56	64	54	28	30	10	36	42	32	28	28	33	32	30	36	22	27	32	21	42	32	28	29	30	28	21	14	27	28	25	..	31.9
Owensboro	Maximum	72	81	75	43	48	56	64	52	50	55	65	65	66	70	70	53	60	60	48	70	59	67	51	48	41	39	36	60	48	45	..	56.9
	Minimum	57	70	40	29	24	24	33	30	30	38	34	36	38	40	43	36	23	39	26	36	40	40	43	28	33	25	17	27	26	27	..	34.3
Paducah	Maximum	74	80	75	40	48	60	66	52	52	55	62	65	65	70	57	54	63	61	54	68	59	56	51	47	40	36	34	57	47	48	..	56.5
	Minimum	56	69	40	30	22	26	38	38	32	27	29	31	31	30	40	20	24	35	26	27	42	24	42	30	27	21	18	25	28	27	..	31.9
Princeton	Maximum	73	80	69	44	43	59	62	55	40	51	60	63	63	68	45	47	60	59	51	62	47	51	52	42	41	30	36	53	48	44	..	53.3
	Minimum	44	55	56	29	13	19	31	42	33	26	29	36	30	33	38	26	29	32	25	27	34	26	33	29	29	19	11	17	27	23	..	30.0
Russellville§§	Minimum																																
Central Division.																																	
Anchorage	Maximum	63	76	72	47	40	50	60	46	50	51	60	64	59	63	51	46	59	46	46	64	56	49	46	40	40	35	27	50	46	39	..	51.4
	Minimum	57	62	39	31	17	24	31	39	31	29	31	27	31	31	17	23	29	20	33	33	23	29	25	27	22	12	20	20	20	..	..	28.5
Bowling Green	Maximum	72	79	77	57	50	56	63	57	47	52	65	71	62	67	61	52	58	59	54	71	64	52	52	50	45	36	33	56	51	46	..	56 2
	Minimum	55	60	54	32	28	32	43	45	37	34	32	37	35	37	38	25	27	27	27	32	30	36	37	29	29	23	17	21	32	28	..	33.9
Danville	Maximum	70	78	72	50	40	53	66	56	54	56	60	66	56	65	53	41	60	54	50	64	58	60	53	48	40	40	37	56	48	41	..	55.6
	Minimum	52	60	50	33	30	27	35	36	35	34	27	33	37	34	32	23	25	36	23	27	41	34	31	24	28	25	16	16	29	27	..	32.0
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dix Dam	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maximum	66	66	78	70	45	65	60	57	47	50	60	63	63	68	61	47	59	56	55	63	55	50	55	47	43	35	30	38	50	43	..	54.6
k	Minimum	41	46	50	30	29	20	36	37	30	25	29	31	24	30	34	17	20	29	22	30	24	25	33	30	29	19	15	14	30	23	..	28.6
	Maximum	64	78	75	46	42	58	63	55	51	53	64	64	58	66	58	46	60	49	50	65	60	51	50	49	40	40	32	52	53	39	..	54.3
ort	Minimum	57	59	45	32	27	27	35	43	38	35	35	36	36	38	39	24	22	29	23	24	43	23	23	32	28	22	18	21	23	20	..	31.1
	Maximum	67	75	72	50	45	60	55	53	46	52	56	60	63	69	59	45	50	57	46	59	60	46	48	46	45	38	32	44	43	50	..	53.1
w	Minimum	53	65	50	30	29	29	45	47	36	25	30	30	30	30	31	19	25	34	24	27	33	23	41	32	28	19	11	19	22	38	..	31 9
	Maximum	72	79	75	49	42	61	68	59	51	52	61	63	60	67	63	48	60	57	53	65	61	57	51	48	42	37	37	54	51	43	..	56.3
isburg	Minimum	51	62	42	30	29	25	38	47	36	24	25	29	27	26	35	17	19	30	22	22	42	24	25	30	21	20	15	15	20	20	..	28.9
	Maximum	70	78	74	41	42	54	60	55	49	50	59	61	59	64	55	47	59	52	49	65	56	49	50	45	39	28	29	53	49	38	..	52.7
ington	Minimum	49	66	40	31	19	29	38	39	35	35	29	37	33	33	33	25	30	36	25	33	42	29	39	31	28	23	16	22	25	24	..	32.6
	Maximum	72	79	74	41	40	60	63	59	49	51	63	63	59	64	58	48	59	53	51	66	58	52	50	46	36	37	30	55	50	48	..	54.8
	Minimum	53	65	40	31	21	29	39	41	34	30	30	36	33	35	35	22	29	36	25	30	41	28	36	31	30	21	11	20	30	25	..	32.2
itchfield	Maximum	64	75	70	38	41	60	63	53	51	50	62	63	56	64	46	44	57	48	49	62	48	48	48	40	38	36	27	46	48	39	..	51.2
	Minimum	53	61	38	31	31	28	41	43	37	30	28	35	35	38	29	22	27	26	21	30	34	28	32	28	23	20	16	19	26	22	..	31.0
exington	Maximum	68	78	73	37	40	48	58	51	47	50	60	61	55	68	49	46	58	50	45	64	56	49	48	38	37	36	26	52	44	38	..	50.8
	Minimum	59	68	37	28	27	29	35	37	35	38	32	40	38	40	30	26	34	30	26	37	36	31	34	31	26	22	18	22	29	24	..	33.3
Louisville	Minimum	69	79	71	42	33	48	56	57	41	35	58	63	r2	59	58	47	59	68	53	55	55	51	46	46	36	30	29	46	35	35	..	50 2
Mammoth Cave	Maximum	53	64	46	30	24	26	38	40	34	24	28	31	29	31	32	18	29	35	23	27	41	25	32	30	22	16	12	27	11	14	..	30 4
	Minimum	70	80	80	45	40	55	62	50	49	52	60	65	63	67	55	50	59	57	52	65	58	53	49	46	43	40	46	50	47	39	..	54 9
St. John	Maximum	60	55	39	37	15	27	37	35	36	32	30	32	31	31	33	20	25	32	24	34	42	26	34	31	30	22	18	12	26	24	..	30.6
	Minimum	50	55	39	37	15	27	37	35	36	32	30	32	31	31	33	20	25	32	24	34	42	26	34	31	30	22	18	12	26	24	..	30.6
Shelbyville	Maximum	60	75	70	44	37	52	59	53	48	49	59	62	59	63	55	43	58	50	46	61	54	49	47	45	38	37	29	50	45	38	..	51.3
	Minimum	55	59	43	32	18	24	35	43	36	33	28	34	34	33	32	22	26	32	21	28	46	28	32	31	27	22	15	26	27	20	..	31.2
Taylorsville	Maximum	64	76	72	42	40	52	59	54	48	49	58	60	53	65	56	45	57	51	52	..	56	49	50	47	39	37	29	51	44	38	..	*51.8
	Minimum	54	62	40	31	23	24	33	41	36	29	24	29	28	26	52	20	21	21	21	..	25	25	26	50	22	21	21	20	20	21	..	*29.2
Williamstown	Maximum	60	71	71	44	35	47	55	56	44	42	52	55	51	55	55	34	52	52	38	57	58	42	46	46	37	29	29	44	36	31	..	47.1
	Minimum	53	58	43	32	27	25	35	43	37	33	27	37	26	37	31	22	30	35	19	31	40	28	30	30	30	21	19	19	26	19	..	31.8
Eastern Division.																																	
Ashland	Maximum	61	75	71	60	49	65	64	56	61	51	63	67	55	66	67	46	60	56	49	62	59	48	52	51	43	37	30	51	47	41	..	55.4
	Minimum	51	57	54	34	33	39	39	47	34	44	29	23	33	32	34	28	24	32	21	26	43	33	27	26	24	26	23	27	24	20	..	33 4
	Minimum	..	76	75	49	37	54	63	57	57	52	61	62	63	66	..	49	58	52	49	62	57	49	51	51	45	35	33	51	49	40	..	*55.1
Berea	Minimum	..	62	40	32	32	29	42	32	35	26	29	39	33	39	40	24	29	39	24	31	41	30	31	32	32	21	18	19	28	25	..	*31 8
	Minimum	70	73	72	51	50	61	60	58	57	52	61	62	60	61	63	42	58	57	58	63	53	50	49	50	47	37	38	50	37	42	..	54.8
Cumberland	Maximum	70	73	72	51	50	61	60	58	57	52	61	62	60	61	63	42	58	57	58	63	53	50	49	50	47	37	38	50	37	42	..	54.8
	Minimum	29	30	29	32	33	30	36	32	34	31	27	41	32	31	30	28	19	28	25	25	33	27	20	31	24	20	16	22	20	20	..	28.0
	Maximum	65	75	74	62	42	65	69	63	55	57	65	65	61	66	61	45	61	55	51	68	59	49	52	51	40	35	34	50	42	42	..	58.3
Farmers	Minimum	48	54	57	30	30	26	35	42	33	31	26	51	28	32	32	22	16	27	25	19	46	26	20	30	18	21	19	12	17	11	..	28.7
	Maximum	63	74	68	40	37	63	57	57	53	61	65	66	62	47	62	57	54	65	57	57	57	52	49	41	37	33	51	51	45	..	..	56.2
Heidelberg	Minimum	49	51	67	33	35	30	44	50	34	30	26	35	30	29	45	24	20	29	24	27	36	30	23	32	20	22	22	5	22	18	..	31.7
	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Livingston	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maximum	63	72	70	50	43	61	64	60	51	51	63	67	54	64	54	45	58	52	47	63	57	49	50	49	41	35	32	50	45	39	..	53.3
Maysville	Minimum	40	57	50	29	30	27	35	40	37	34	26	29	30	28	32	24	23	28	19	25	41	29	25	30	23	21	21	19	20	14	..	29 8
	Maximum	65	79	..	78	48	60	63	61	..	57	59	64	60	64	62	44	54	58	57	60	56	50	49	50	27	40	35	45	52	48	..	*55.3
Middlesboro	Minimum	30	55	..	36	34	30	41	50	..	31	27	46	33	30	33	27	19	32	25	26	39	31	23	33	21	21	21	12	24	15	..	*30.3
	Maximum	73	74	68	70	48	62	67	55	52	48	59	65	60	65	50	41	60	46	64	69	60	50	56	51	50	34	25	28	50	35	..	51.7
Mount Sterling	Minimum	40	58	47	32	28	28	37	38	38	30	24	30	29	30	36	23	22	30	21	24	30	31	25	24	23	21	19	18	21	21	..	29.3
	Maximum	61	67	80	61	41	66	66	60	59	54	59	66	58	67	62	45	62	55	55	66	58	51	52	51	48	33	32	52	50	42	..	56.5
Pikeville	Minimum	46	47	59	35	35	32	41	48	37	36	30	42	35	32	35	30	20	30	24	38	40	35	26	32	26	27	23	17	21	21	..	33 4
	Maximum	67	77	81	64	42	67	67	62	62	52	66	70	63	67	63	47	66	58	51	67	60	52	52	52	42	39	31	52	47	43	..	57.5
Pippapass	Minimum	50	49	52	37	35	30	45	50	35	34	27	41	33	32	33	29	23	34	24	30	48	32	25	34	26	22	21	15	22	20	..	32.9
	Maximum	68	79	76	62	40	68	64	56	57	56	68	66	60	67	59	47	61	58	58	64	61	56	54	52	40	..	..	..	..	43	..	*59.0
Quicksand	Minimum	40	50	56	31	32	28	39	43	33	30	25	28	29	24	31	26	19	27	22	22	41	28	21	20	18	..	..	..	..	17	..	*40.6
	Maximum	68	68	65	60	37	43	66	65	60	53	55	65	65	55	65	40	42	60	52	45	64	50	50	50	45	38	36	26	50	30	..	52.3
Richmond	Minimum	52	54	58	37	31	31	42	42	37	31	30	35	38	38	40	22	28	35	22	32	44	28	34	30	30	20	16	18	28	20	..	33.9
	Maximum	68	81	76	61	44	62	62	60	59	54	58	66	62	66	66	48	65	61	58	65	61	52	52	49	42	40	32	54	51	53	52	57.6
Williamsburg	Minimum	53	56	59	31	31	22	44	45	36	29	28	41	32	28	33	24	26	35	25	27	41	30	25	31	24	20	19	14	25	19	..	31.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

* *, etc., indicate respectively 1, 2, 3, etc., days missing from record.

W B O Louisville 12-25-36 1100

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

THE LIBRARY OF THE
JAN 25 1937
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

J. L. KENDALL.

Vol. XLI LOUISVILLE, KY., DECEMBER, 1936 No. 12

GENERAL SUMMARY.

The month was somewhat warmer than normal, but most of the temperature excess accumulated in the last week. Temperatures below freezing during the first three weeks caused winter grains to remain dormant. The mild weather later on started growth in pastures and grain fields. Rye pastures improved and were used to some extent.

The weather was favorable for outdoor work about half of the month. Corn gathering was completed on most farms without delay or loss of consequence from weather conditions. Fields moderately frozen most of the time were readily entered for removal of corn and fodder.

Heavy rains early in the month in the eastern and some southern counties caused considerable run-off, otherwise the precipitation of the first three weeks was quite well absorbed and largely carried into the subsoil. Winter plowing was possible during periods of considerable length. It continued at a fair rate until the rains near the end rendered the soil too wet. On many farms most of the land that would usually be broken in the spring had been plowed by the beginning of the last rainy interval. While the rains were heavy enough in some places to pack the plowed land, in most of the State it remained in good condition and the broken surface aided the subsoil in taking up moisture. Four weeks of dry weather preceding these rains had prepared the soil for the reception of an unusual amount of water. The surface layers were soon freed from saturation, so that freezing caused little or no heaving of winter grains, even on clay lands. The condition of wheat, rye and barley remained generally good to excellent, with no appreciable injury apparent.

The showery weather in the first and last weeks furnished sufficient atmospheric moisture to condition burley tobacco for stripping and marketing. The four day period of rainy weather near the end, accompanied by extensive fog at times, offered the first good opportunity to handle dark tobacco. The weather during two weeks or more in the middle of the month was generally too dry for manipulating tobacco. Judicious bulking in the first period of dampness, followed by temperatures not far from the seasonal average, enabled growers of burley tobacco to make continuous progress in preparing the weed for market.

TEMPERATURE.

Variable temperature conditions prevailed in the first three weeks, but as a rule the daily averages were below normal. A few relatively mild days occurred near the middle of the month. In the last decade temperatures were moderate to high. The last week was unseasonably warm, with the daily excess ranging from 10° to 25°. The highest was 70° on the 29th at Cumberland, and the lowest 10° on the 13th at Mammoth Cave.

PRECIPITATION.

Precipitation averaged somewhat greater than normal, but some northern counties received considerably less than the seasonal amount. Stations in a few southern counties reported from 6.0 to 7.0 inches. Precipitation decreased northward to 3.0 inches or less in a group of counties along the Ohio River from Jefferson to Kenton. Most of the State received from 4.0 to 5.0 inches. The heaviest rains occurred on the 6th and 31st. The range was between 1.77 inches at Grant, Boone County, and 7.26 inches at Mammoth Cave. Light to moderate precipitation occurred in the periods 2-3d, 10-11th, and 18-30th. Moderate to heavy rains were reported generally in the periods 6-7th and 27th-31st. Snow, varying from a trace at many western stations to 5.0 inches in some eastern districts, occurred from the 18th to 20th. A few western stations reported thunderstorms on the 30th.

MISCELLANEOUS.

Rivers.---The heavy rains of the 6th caused a moderate rise in the Ohio and other streams of the State. Another moderate rise had started on the 31st. Stages near or at pool levels prevailed during most of the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea-level.) Mean.	Highest	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date	Relative humidity 7 a. m.	7 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.19	30.51	22	29.58	30	8.1	27	S.	30	82	67	57	39
Cincinnati ..... Ohio	30.23	30.66	22	29.67	30	7.6	24	Sse.	29	84	67	72	46
Evansville ..... Ind.	29.24	30.59	22	29.59	30	8.8	33	S.	27	78	66	67	49
Louisville ..... Ky.	30.58	30.64	22	29.62	30	9.2	34	Sse.	30	82	64	76	45

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature. Mean.	Highest	Lowest.	Precipitation Average.	Average snowfall	Precipitation of .01 inch or more.	Number of days Clear.	Fairly cloudy.	Cloudy.
1879	50.2	76	13	1.57	...	..	..	..	..
1880	37.8	70	12	3.51	...	..	..	..	..
1881	42.4	70	15	4.10	...	..	..	..	..
1882	24.6	54	−3	4.22	...	..	..	..	..
1883	29.0	58	10	2.69	...	..	..	..	..
1884	38.7	76	−11	4.31	...	10	..	..	..
1885	38.5	77	6	4.43	...	9	7	9	15
1886	29.6	53	7	1.82	...	4	14	8	9
1887	38.0	72	3	3.75	9.5	10	5	8	18
1888	34.1	70	−12	2.74	5.7	8	14	7	10
1889	34.8	70	−15	4.26	2.6	10	12	8	11
1890	38.6	70	12	2.59	0.1	8	13	6	12
1891	32.3	72	−22	4.90	5.7	10	8	7	16
1892	28.7	72	−3	2.36	2.4	12	7	5	19
1893	30.7	58	0	2.88	2.0	7	16	6	9
1894	36.4	72	−2	4.20	2.4	11	10	5	16
1895	37.3	66	11	4.38	1.2	8	11	5	15
1896	39.0	76	−9	5.64	1.6	15	6	4	21
1897	38.5	70	8	3.20	1.0	11	8	5	18
1898	33.8	74	7	2.42	0.4	9	11	6	14
1899	29.9	70	−14	3.46	3.8	9	10	5	16
1900	31.1	66	3	3.37	6.6	8	11	5	15
1901	41.6	74	11	6.25	6.4	12	9	4	18
1902	37.2	78	5	3.98	5.2	9	14	5	12
1903	36.5	70	11	2.73	1.6	7	10	5	16
1904	32.8	70	−16	5.22	7.7	14	6	4	21
1905	37.0	64	9	7.56	3.3	12	10	6	15
1906	35.5	74	−14	4.23	10.1	10	12	7	12
1907	28.5	72	−21	2.01	17.2	8	10	7	14
1908	44.8	75	14	4.44	0.7	12	10	6	15
1909	34.6	68	3	4.93	1.0	7	12	5	14
1910	58.6	68	4	2.89	2.0	9	9	6	16
1911	41.7	73	18	4.40	0.1	7	10	6	15
1912	41.5	77	5	5.64	0.5	12	10	6	15
1913	40.6	75	8	6.66	2.3	14	9	5	17
1914	33.9	78	−5	5.17	1.2	9	13	5	13
1915	27.8	70	−5	0.89	1.7	5	13	6	12
1916	37.4	76	5	6.01	6.3	12	8	5	18
1917	35.1	77	1	3.37	0.5	10	14	4	13
1918	39.5	72	5	2.32	T.	7	17	5	9
1919	34.0	76	−15	2.72	6.8	11	10	5	16
1920	36.4	69	2	2.21	2.6	8	10	7	14
1921	46.1	78	17	5.48	0.0	13	7	7	16
1922	37.9	72	−8	4.52	1.8	12	10	5	16
1923	34.2	75	−5	4.09	1.8	10	9	7	15
1924	37.0	69	5	2.38	1.5	9	10	6	15
1925	39.0	78	14	2.39	0.1	6	8	7	16
1926	36.2	76	10	4.21	2.4	16	13	5	13
Period	35.7	79	−22	3.96	3.0	10	10	6	15

Climatological Data for December, 1936.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches Number of days. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Birmingham	Marshall		32	44.0	+ 5.0	67	30	23	12	24	4.96		2.09		7					Tennessee Valley Authority.
Calhoun	McLean	437	46	42.0	+ 3.1	68	30	18	7†	31	4.82	+0.56	1.65		9	5	15	11	ne.	W. A. Taylor.
Carlington	Hopkins	420	46	42.0	+ 3.1	68	30	18	7†	31	5.19	+ 0.92	1.88	T.	10	15	2	14	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	7								3.45		0.95	0.4	10					Lockmaster.
Greenville	Muhlenbourg	519	19	41.2	+ 2.0	68b	30	16	17†	33b	5.75	+1.79	1.95		9	13	4	4	s.	C. R. Lovell.
Henderson	Henderson	382	22	40.7		67	30	12	12	40	4.16	−0.48	1.18	0.8	10	9	10	12	s.	Frank Street.
Hopkinsville	Christian	524	40	43.1	+ 4.1	68	30	19	7†	35	4.67	−0.21	1.87	T.	13	11	1	19	ne.	W. E. Graves.
Lovelaceville	Ballard		7	40.2		64	30	15	7	33	5.77		2.00		9	15	1	15	s.	Blaine Malone.
Mayfield	Graves	364	27	42.1	+ 1.7	62	26†	17	7	31	4.65	+0.33	2.21	0.5	8	9	10	12	s.	Mrs. Joe Payne.
Murray	Calloway	412	10	40.2	+ 1.0	67	30	16	13	36	6.57	+1.88	3.12	2.2	7	16	2	13	w.	Harry B. Arnold
Owensboro	Daviess	479	39	39.6	+ 2.4	65	30	15	7	25	3.63	−0.09	1.14	T.	8	12	4	15	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	8								3.74		1.20		11					Lockmaster.
Paducah	McCracken	516	19	42.0	+ 3.0	65	30	16	7	32	4.04	−0.15	1.06	0.4	14	16	3	12		Joe Lagore.
Princeston	Caldwell	529	29	42.2	+ 3.5	67a	30	17a	7	34a	4.42	+ 0.08	1.63		11	10	8	13	s	Dr. W. L. Cash.
Ramsey, Lock 2‡	McLean	384	19								4.55	+0.73	1.54		9					Lockmaster.
Russellville	Logan	590	25	39.2	+ 0.4	62†	29	17†	7	29†	6.38	+2.40	1.23		12				s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	8								2.66		0.75		11					Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	8								3.79		0.98		10					Lockmaster.
Anchorage	Jefferson	700	35	36.2	+ 1.8	60	26	12	12	32	3.34	−0.52	1.21	2.2	9	11	6	14	e.	C. E. Barret.
Bowling Green	Warren	500	47	41.8	+ 2.8	65	30	19	13	35	6.51	+1.79	1.85	T.	10	11	4	16	w.	Mrs. Lillie G Causey.
Brownsville, Lock 6‡	Edmonson	410	18								6.18	+1.44	1.25		11					Lockmaster.
Burnside	Pulaski	703	15								4.84	+0.09	1.06	2.0	10					T. A. Lewis
Carrollton, Lock 1	Carroll	489	37								2.32	−0.79	0.48		10					Lockmaster.
Cold Springs, Dam 36	Campbell	489	10								2.94	+0.11	0.63		11					Lockmaster.
Danville	Boyle	540	3	40.8		65	26	15	13	32	5.39	+1.55	1.32	4.0	10	12	4	15	sw.	Dr. W. Didiron.
Dix Dam, Burgin	Mercer	750	8	42.0	+ 2.0	65	26	16	13	30	5.21	+1.55	1.02	1.5	10	12	6	13	se.	C. W. Williams.
Eadsville	Wayne	622									4.90		1.46		6					Lockmaster.
Eubank	Pulaski	1177	42	39.9	+ 3.9	65	27	14	12	31	3.37	−0.79	0.80	0.3	6	9	5	17	n.	Mrs. Katie Payne.
Frankfort	Franklin	500	44	39.8	+ 2.9	66	30	14	13	36	3.93	+0.13	0.92	T.	10	12	3	16	se.	Lockmaster.
Gest, Lock 3	Henry	490	25								3.64	−0.15	0.85	0.3	11					Lockmaster.
Glasgow	Barren	780	10	40.2		65	30	17	13	32	6.64	+1.49	2.20	1.0	8	21	2	8	n.	R. B. Beaty.
Grant, Dam 38	Boone	780	11								1.77	−0.83	0.16		12					Lockmaster.
Greensburg	Green	581	43	40.4	+ 3.1	66	27	12	13	35	4.91	+0.39	1.45	0.5	11	4	2	25	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	34								5.02	+0.99	0.95		12					Lockmaster.
Irvington	Breckinridge	646	38	41.0	+ 3.7	65	30	17	7	30	4.03	+0.10	1.23	T	8	16	3	12	e.	W. J. Piggot.
Jamestown	Russell	960																		N. B. Falkenberg.
Lancaster	Garrard	1032	10								6.00	+2.93	1.02		13					Walter Killion.
Leitchfield	Grayson	635	40	41.2	+ 4.0	65	30	19	12†	28	4.92	+0.20	2.03	T.	11	11	8	12	s.	H. H. Willis.
Lexington	Fayette	989	52	38.6	+ 2.8	64	30	16	13	26	5.20	+1.43	1.67	4.6	13	12	5	14		U. S. Weather Bureau
Littlebeckman, Lock 8	Jessamine	560	25								5.55	+1.87	1.25	3.0	11					Lockmaster.
Lockport, Lock 2	Henry	485	26								3.47	−0.21	1.07	T.	7					Lockmaster.
LOUISVILLE	Jefferson	459	63	39.6	+ 2.0	66	30	16	7	28	2.77	−0.97	0.89	1.6	12	10	9	12	s.	U. S. Weather Bureau.
Mammoth Cave	Edmonson			37.2		67	6	10	13	38	7.26		2.81	0.6	12	11	9	11	ne.	Ivan J. Ellsworth.
St. Joun	Hardin	777	40	40.4	+ 4.6	63	30	18	12	28	5.60	+1.08	2.00	0.9	11	19	4	8		Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	22								4.89	+0.49	0.98		10					Lockmaster.
Shelbyville	Shelby	825	47	39.3	+ 3.6	63	30	17	7†	29	2.88	−1.30	0.98		14	11	1	19	n.	Miss Ruth Fatta.
Shepherdsville	Bullitt	500									4.13		1.88	0.5	11	5	15	ne.	A. McLeod.
Stearns	McCreary	1400									4.41		1.88	2.1	8	5	17	9	sw.	Geo Wright
Taylorsville	Spencer	489	34	38.2	+ 1.8	65	30	14	13	34	4.34	+0.06	1.93		10	18	3	10		Elizabeth J. Bourne.
Tyrone, Lock 5‡	Anderson	524	18								4.59	+0.50	0.95	0.5	11					Lockmaster.
Williamstown	Grant	943	33	37.4	+ 2.6	63	30†	13	7	35	4.29	+0.75	0.95		13	16	3	12	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	19								4.43	+0.21	0.98		10					Lockmaster.
Eastern Division.																				
Auxville	Jackson		5								4.18		0.80	5.0	11	10	8	13	sw.	W. A. Worthington.
Ashland	Boyd	531	17	40.2	+ 1.5	69	30	18	18	38	3.79	+0.14	0.82		11	9	9	13	w.	Lockmaster.
Barbourville	Knox																			Mrs. Ralph Tuggle.
Berea	Madison	1070	31	41.2	+ 3.2	66	27	16	13	31	5.84	+1.5	1.24	2.9	11	17	3	11	n.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	26								4.10	+0.42	0.78	1.0	13					Lockmaster.
Cumberland	Harlan			41.1		70	29	14	14	37	4.57		2.75	0.3	8	13	4	14	n.	C. Bertrand Fields.
Cynthiana	Harrison	684	18																	P. H. Kehoe.
Falmouth	Pendleton	695	47								3.48	−0.14	0.84	1.0	12					J. Y. Oldham.
Farmers	Rowan	668	28	39.7	+ 2.8	69	31	13	22	42	4.20	+0.34	0.84		9	11	5	15	e	Mrs. R. P. Stamper.
Flemingsburg	Fleming	841	11								3.94	+0.54	0.73		9					C. A. Glascock
Ford, Lock 10‡	Clark	637	29								4.77	+1.05	0.90		12					Lockmaster.
Greenup, Dam 30	Greenup	1192	8								3.43	+0.14	0.64		12					Lockmaster.
Hazard	Perry	869	12								4.47	−0.25	1.35		11					Chas. O. Ihrig.
Heidelberg, Lock 14	Lee	663	19	40.6		67	27	14	13	39	4.73	+1.07	0.81		10	6	7	18	sw.	Lockmaster.
Jackson	Breathitt	540	16								4.31		1.20	4.0	10					Jas. T Goff.
Jenkins	Letcher	776									5.10	+1.42	2.45	6.0	10					R. J Hiward.
Livingston	Rockcastle	950		40.9		68	28	11	14	39	4.87		1.01	1.5	10	11	4	16		B. H. Griffin.
Louisa	Lawrence	584	32								3.60	−0.04	0.70		5					Lockmaster.
Maysville	Mason		16	38.4	+ 3.1	65	27†	13	13	38	4.47	+0.64	1.14	T.	12	7	10	14	sw.	Lockmaster.
Middlesboro	Bell	924	39	42.0	+ 3.0	66	28	15	13	35	5.89	+0.90	2.83	2.0	8	9	16	6		Matthew Woodson
Mount Sterling	Montgomery	1128	40	38.3	+ 2.7	65	27	14	13	31	2.30	−2.12	1.70	T.	3	17	2	12	w.	W. R McKee.
Oneida	Clay	930	46								4.74		1.20		7					Joe L. Gay.
Onesonta, Dam 35¶	Campbell	497	9								3.01	−0.40	0.61	0.5	10					Lockmaster.
Paintsville	Johnson	567	2								4.57		0.97	0.5	12					Manuel Robinson.
Pineville	Bell	636	30	41.1		69	30	19	21	32	3.85	+0.38	1.01	2.0	11	11	5	15		U. S Weather Bureau.
Pippapass	Knott	1035	2	40.6		69	29	15	13	36	4.14		1.36	2.0	12	11	6	14		Caney Fun Com. Cen.
Quicksand	Breathitt	782	16	40.6	+ 1.0	68	27†	12	13	43	4.32	+0.27	0.75	3.0	9					R. W. Jones.
Raccoon, Lock 12	Estill	631	18								4.38	+0.97	0.78		9					Lockmaster.
Richmond	Madison	926	45	40.8	+ 2.6	65	27	17	13	26	4.90	−0.6*	0.75		10	12	0	19		J. W. Crooke.
Valley View, Lock 9	Madison	571	23								5.12	+1.21	0.92	2.5	11					Lockmaster.
Vanceburg, Dam 32	Lewis	525	21								4.35	+0.56	1.00		11					John W. Stephens.
Williamsburg	Whitley	999	37	42.2	+ 1.5	66	29	11	22	39	5.52	+1.43	1.60	5.0	11	15	3	13		Lockmaster.
Willow Lock 13	Lee	646	19								5.25	+1.26	1.06		11					
State averages and extremes				40.5	+ 2.8	70	29	10	13	43	4.51	+0.55	3.12	2.0	10	13	5	13	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section of division means.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section of division means.
‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. T Precipitation is less than 0.01 inch rain or melted snow §Lone Oak.
* Also on other dates. †† Received too late to be included in means and summaries
a Postoffice addresses:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Onesonta, California, Ky.
* * Precipitation by U. S. Engineers.

Daily Precipitation for December, 1936

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Birmingham	T	..	..	..	..	..	2.03	..	..	..	.47	..	..	..	..	.67	..	..	..	..	..	..	..	..	..	..	..	.44	.21	..	..	3.82
Calhoun	..	.16	T	..	T	1.85	.02	..	..	.84	..	..	..	..	..	..	.60	..	..	..	..	..	..	..	..	..	..	T	..	.2	11.11	4.00
Earlington	..	.04	.06	..	..	1.80	..	..	..	.35	..	..	..	..	..	..	.75	.63	..	..	..	..	..	..	..	..	..	.81	..	..	..	4.04
Fords Ferry Dam 50	..	.07	.10	T	..	.58	.57	..	..	.05	.18	..	..	..	..	..	..	.41	.05	..	..	..	1	..	..	1	.41	1	.4	.5	..	..	..
Greenville	..	.04	.05	..	..	1.58	..	..	..	.47	..	..	..	..	..	.6	T	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..
Henderson	..	.07	.03	T	..	1.18	T	..	..	.24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hopkinsville	T	.02	.01	T	..	1.85	.02	..	..	.28	.06	..	..	..	..	..	.66	.48	..	..	..	..	..	..	..	..	.92	..	1.42	..	..	4.11
Lovelaceville	M	..	..	..	1.40	1.16	..	..	..	.16	..	..	..	..	..	..	.69	.05	..	..	..	..	..	..	..	..	.84	.2	.31	..	.4	3.11
Mayfield	T	..	.06	..	..	2.20	..	..	..	.33	..	..	..	..	..	..	.45	..	..	..	..	..	..	..	..	..	.2	..	.2	..	..	2.67
Murray	T	T	T	T	T	3.14	..	..	..	.38	..	..	..	..	..	..	.42	..	..	..	..	..	..	..	..	..	.41	..	T	.41	..	4.61
Owensboro	..	.08	.01	T	T	1.14	T	..	..	..	.48	T	..	..	..	..	.60	.02	..	..	..	..	..	..	..	..	.84	T	..	.1	..	3.25
Owensboro, Dam 46	..	.18	.05	.01	..	.87	.81	..	..	T	.15	..	..	..	..	..	..	T	..	..	..	..	..	..	..	..	..	..	..	.01	..	..
Padueah	..	.03	.10	.2	..	.82	.69	..	..	.22	.06	..	..	..	..	.62	.11	..	..	..	..	..	..	..	..	..	.44	..	.64	..	..	3.19
Princeton	..	.05	.07	..	.18	1.62	..	..	T	..	..	..	..	..	T	.61	.06	..	..	..	..	..	..	..	..	.18	.34	..	.34	..	..	3.44
Ramsey, Lock No. 2	..	.10	.06	..	..	.45	.69	..	..	..	.51	..	..	..	..	..	.50	..	..	..	..	..	..	..	..	..	.44	..	1.11	..	..	3.27
Russellville	G	..	..	..	..	1.34	1.22	1.23	.46	..	.14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.15	..	4.30
Uniontown, Dam 49	..	.01	.09	T	..	.08	.17	..	..	.01	.08	..	..	..	..	.04	.73	..	.65	..	..	..	..	..	..	..	.67	.05	.11	..	..	1.05
Central Division																	.45	..	..	..	..	..	..	..	..	..	.20	..	.1	..	..	.65
Addison, Dam 45	..	.18	.08	..	..	.67	.67	..	..	..	.24	..	..	..	..	..	.33	T	..	..	..	..	..	..	..	..	.9	.2	.6	..	..	3.70
Anchorage	..	.11	.03	..	..	1.21	..	..	.06	T	..	..	..	..	..	.22	..	..	..	..	..	..	..	..	..	..	.6	.2	.5	..	..	3.34
Bowling Green	G	.01	..	..	..	.61	.85	..	.10	.15	..	..	..	..	1.76	..	.63	..	..	..	..	..	..	..	..	..	.2	..	.1	..	..	3.31
Brownsville, Lock No. 6	G	.08	.05	..	..	1.04	1.18	..	..	.30	..	..	..	..	..	..	1.10	.63	..	..	..	..	..	..	..	..	..	..	.1	..	..	3.31
Burnside	C	.31	.14	..	..	.47	.53	..	..	.52	.15	..	..	..	..	..	..	.33	..	..	..	..	..	..	..	..	.82	T	..	.1	..	2.76
Carrollton (Lock No. 1)	K	..	.09	.05	..	.13	.18	..	..	.12	..	..	..	..	..	..	.35	.63	..	..	..	..	..	..	..	..	.5	..	.4	.13	..	4.74
Cold Spring, Dam 38	O	.51	.14	..	..	.16	.31	..	..	.04	..	..	..	..	..	..	.20	.17	..	..	..	..	..	..	..	..	.12	.02	.45	.2	..	2.22
Danville	K	.27	..	..	..	1.32	.52	..	T.	.40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.51
Dix Dam, Burgin	K	.21	..	..	..	1.02	.85	..	.10	..	..	..	..	..	..	.28	.66	..	..	..	..	..	..	..	..	..	.33	.08	.10	..	..	3.29
Eadsville	C	.31	..	..	..	..	1.46	..	..	..	..	.25	..	..	..	1.04	.60	.80	..	..	..	..	..	..	..	..	.85	.16	.2	.70	..	5.21
Eubank	C	.20	..	..	..	.80	.68	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.84	..	..	.24	..	4.76
Frankfort	K	.12	.04	..	..	.80	.68	..	..	.29	..	..	..	..	..	..	.63	.36	..	..	..	..	..	..	..	..	..	.64	..	..	..	..	3.67
Gest, Lock No. 3	K	.12	.03	..	..	.78	.62	..	..	.47	..	..	..	..	..	..	.33	.07	..	..	..	..	..	..	..	..	.48	T	.6	.2	..	3.93
Gilasgow	G	..	..	..	..	1.20	..	..	..	.60	..	..	..	..	..	..	.41	.03	..	..	..	..	..	..	..	..	.15	.03	.10	.5	..	3.14
Grant, Dam 34	O	.41	.05	T	..	1..	.12	..	..	.02	..	..	..	..	..	.97	.52	..	..	..	..	..	..	..	..	..	1.02	..	.40	.6	.5	4.14
Greensburg	..	.16	.03	..	..	1.45	.17	..	..	.16	..	..	..	..	..	..	.03	.02	..	..	..	..	..	..	..	..	.62	..	.3	.9	1	1.77
High Bridge, Lock No. 7	K	.20	.2	..	..	.55	.84	..	..	.53	.05	..	..	..	..	.57	.50	..	..	..	..	..	..	..	..	..	.12	.5	.6	.7	..	1.91
Irvington	O	.17	.36	..	..	1.25	T	..	.16	T	..	..	..	..	..	..	.60	.28	..	..	..	..	..	..	..	..	..	.34	.7	.14	.81	..	3.60
Lancaster	K	.27	.12	..	..	1.10	..	.05	.45	.13	..	..	..	..	..	.43	T	..	..	..	..	..	..	..	..	..	..	T	T	.2	1.11	4.03
Leitchfield	G	..	.07	..	..	2.25	.05	..	..	.08	.12	..	..	..	..	.33	.60	..	..	..	..	..	..	..	..	..	.70	.64	.17	.55	..	6.09
Lexington ***	K	.01	.13	.0	..	1.37	..	..	..	.12	.52	..	..	..	..	..	.73	.07	..	..	..	..	..	..	..	..	..	..	.28	17.1	.1	4.32
Liddle Hackney, Lock No. 8	K	.06	..	..	..	1..	.75	..	..	.55	.14	..	..	..	..	.42	.61	T	..	..	..	..	..	..	..	..	.56	.01	.19	..	.4	5.20
Lockport, Lock No. 2	K	T	..	..	..	.77	.50	..	T.	.21	..	..	..	..	..	..	.64	.38	..	..	..	..	..	..	..	..	..	.08	.32	.8	..	5.55
Louisville ***	O	.03	.06	.01	..	.20	.50	..	.11	T	..	..	..	..	..	..	.27	T	..	..	..	..	..	..	..	..	..	.55	.05	.1	..	..	3.47
Mammoth Cave	G	.14	.03	..	..	2.81	T	..	.04	.32	..	..	..	..	..	.18	.66	T	..	..	..	..	..	..	..	..	.40	.05	.14	.78	..	2.77
Ss. John	K	.20	T	..	..	2.60	..	..	.05	.10	..	..	..	..	..	1.21	.16	..	..	..	..	..	..	..	..	..	.92	.13	.17	2.11	1.12	5.26
Salvisa, Lock No 6	K	.21	T	..	..	2.60	..	..	..	.40	..	..	..	..	..	.79	.59	..	..	..	..	..	..	..	..	..	.77	.03	.25	.52	.20	5.60
Shelbyville	S	.22	.05	..	.01	.18	.10	..	.02	.16	..	..	..	..	..	..	.40	..	..	..	..	..	..	..	..	..	.67	.10	.11	.56	.80	1.89
Shepherdsville	S	.11	.03	..	..	1.32	..	..	.01	..	..	..	..	..	..	.07	.30	..	..	..	..	..	..	..	..	..	.42	.14	.13	.14	.98	2.88
Stearns	..	.18	..	..	..	1.80	..	..	..	.20	..	.05	..	..	..	.21	.17	..	..	..	..	..	..	..	..	..	.45	.02	.50	.12	.52	4.13
Taylorsville	S	.04	.12	..	..	1.93	..	..	.01	..	..	..	..	..	..	.12	.70	..	..	..	..	..	..	..	..	..	.54	..	..	..	..	3.47
Tyrone, Lock No. 5	K	.16	.02	..	..	.55	.78	..	..	.20	T.	..	..	..	..	.51	.18	..	..	..	..	..	..	..	..	..	.07	T	.01	1.01	.37	3.24
Williamstown	G	.15	.03	..	..	.90	.05	..	.02	.25	..	..	..	..	..	..	.42	.20	..	..	..	..	..	..	..	..	.65	.20	.10	.75	..	4.59
Woodbury, Lock No. 4	G	.08	.02	..	..	.79	.55	..	..	.24	..	..	..	..	..	..	.40	.10	..	..	..	..	..	..	..	..	.55	.10	.13	.09	.65	4.29
Eastern Division																	.62	..	..	..	..	..	..	..	..	..	.72	.02	.07	.89	.4	4.43
Annville	..	.28	.02	..	..	.41	.80	..	..	.10	.10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ashland	O	.42	.10	..	..	.73	.82	..	..	.20	.08	..	..	..	..	..	.65	.47	..	..	..	..	..	..	..	..	.75	..	.02	.65	.4	4.18
Barbourville	K	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.25	.68	..	..	..	..	..	..	..	..	.53	.08	T	.59	.3	2.79
Berea	K	.33	.02	..	..	1.24	.26	..	..	.52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
College Hill, Lock No. 11	K	.28	.04	..	..	.68	.78	..	.04	.31	.10	..	..	..	..	.34	1.05	.67	..	..	..	..	..	..	..	..	1.02	.03	..	.88	.5	5.84
Cumberland	C	.03	..	..	..	2.75	T.	..	T.	.84	T	..	..	..	..	T.	.04	.06	..	..	..	..	..	..	..	..	.50	.05	.02	.70	.4	4.89
Cynthiana	L	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.57	.05	..	.73	.4	4.57
Falmouth	L	.17	.01	..	..	.38	.54	..	..	.21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Farmers	L	.29	..	..	..	.81	.64	..	..	.35	..	..	..	..	..	T.	.29	.24	..	..	..	..	..	..	..	..	01	.41	.02	.52	.81	3.48
Flemingsburg	L	..	..	..	..	.78	.78	..	..	.54	..	..	..	..	..	..	.75	.42	..	..	..	..	..	..	..	..	..	.08	..	.06	.77	.4	4.22
Ford, Lock No. 10	K	.28	.2	..	..	.88	.74	..	..	.27	.05	..	..	..	..	..	.60	.32	T.	..	..	..	..	..	..	..	.80	..	.18	.79	.3	3.64
Greenup, Dam 30	O	.47	.08	..	..	.34	.61	..	T	T.	.11	.08	..	..	..	..	.24	.13	..	..	..	..	..	..	..	..	.54	.01	.16	.60	.4	4.77
Hazard	K	.05	..	..	..	.50	1.57	..	..	.33	.13	..	..	..	..	..	.21	.47	..	.10	..	..	..	..	..	..	.50	.13	.13	.76	.2	2.43
Heidelberg, Lock No. 14	K	.23	.01	..	..	.75	.81	..	..	.20	.28	..	..	..	..	..	.65	.45	..	..	..	..	..	..	..	..	.60	..	.05	.68	.4	4.47
Jackson	K	.30	..	..	..	.20	1.20	..	T	.35	.15	..	..	..	..	.55	..	..	..	..	..	..	..	..	..	..	.51	..	..	.81	.4	4.53
Jenkins	B	..	.11	..	T	..	2.45	..	..	.10	.31	..	..	.03	.10	.51	..	..	..	..	..	..	..	..	..	..	.42	..	.05	.64	.3	4.31
Livingston	C	.39	.02	..	1.01	.55	..	..	T	..	..	..	..	..	.44	.63	.18	..	..	..	..	..	..	..	..	..	.50	.08	..	.86	.5	5.10
Loyall	K	.48	.12	..	..	.40	.76	..	..	.30	..	..	..	..	..	..	.20	..	..	..	..	..	..	..	..	..	.76	.58	.51	..	.4	4.87
Maysville	O	.17	.04	..	..	.48	.80	..	..	.15	.05	..	..	..	..	.27	.37	..	..	..	..	..	..	..	..	..	.46	.02	.22	1.14	.4	4.47
Middlesboro	C	..	..	..	..	2.83	.92	..	..	.22	..	..	..	..	.33	.33	..	..	..	..	..	..	..	..	..	..	..	.2	.04	1.00	..	5.89
Mount Sterling	L	T	T	..	..	1.70	..	..	..	.10	..	..	..	..	..	T.	T.	..	..	..	..	..	..	..	..	..	..	.20	..	..	..	..	2.20
Oneida	C	..	..	T.	..	.50	1.20	..	..	..	.34	..	..	..	..	..	..	.55	..	..	..	..	..	..	..	..	.94	..	.07	.84	.4	4.74
Onomita Dam 35	O	.46	T	..	..	.13	.40	..	..	.08	..	..	..	..	..	..	.30	.22	..	..	..	..	..	..	..	..	.47	.07	.2	.61	.3	3.01
Paintsville	L	.29	.5	..	..	.80	.57	..	..	.24	.15	..	..	..	.03	.27	.04	..	..	..	..	..	..	..	..	..	.40	..	.06	.43	.4	4.77
Pikeville	B	.09	.04	.02	..	1.01	.57	..	T	.43	T	..	..	..	.08	.33	.44	..	..	..	..	..	..	..	..	..	.27	..	..	.58	.3	2.85
Pippapass	K	.03	.03	T	..	1.26	.71	..	..	.07	.03	..	..	T.	.04	.27	.17	..	..	..	..	..	..	..	..	..	.34	.05	..	.68	.4	4.14
Quicksand	K	.32	.01	..	.42	..	.73	..	.07	..	..	..	..	..	..	.55	.75	..	..	..	..	..	..	..	..	..	.47	..	..	.70	.4	4.32
Ravenna, Lock No. 12	L	.26	T.	..	..	.66	.78	..	..	.48	.18	..	..	..	..	.44	.35	..	..	..	..	..	..	..	..	..	.46	T	T	.67	.4	4.38
Richmond	K	.40	..	..	..	.75	.75	..	..	.40	.30	..	..	..	..	.70	..	..	..	..	..	..	..	..	..	..	.05	.20	.20	.75	.4	4.10
Valley View, Lock No. 6	K	..	.25	T.	.92	.83	..	..	..	.29	.07	..	..	..	..	.60	.40	..	..	..	..	..	..	..	..	T.	.58	.02	.28	.80	.5	5.12
Vanceburg, Dam No. 32	O	.35	.07	..	..	.40	.82	..	..	.38	..	..	..	..	..	.08	.56	..	..	..	..	..	..	..	..	..	.13	.13	.13	1.60	.4	4.26
Williamsburg	C	.15	.10	..	..	.40	.85	..	..	.45	.30	..	..	..	..	.10	1.60	..	..	..	..	..	..	..	..	..	.48	.15	..	.94	.5	5.92
Willow, Lock No. 13	K	.42	..	..	..	.94	.81	..	..	.32	.12	..	..	..	..	.52	.50	..	..	..	..	..	..	..	..	..	.56	.05	.02	1.60	.5	5.26

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

(Reference mark ***) Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight.

(‖) Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. (‡) Precipitation included in the next following measurement.

² Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

⁴ Love Oak

Daily Temperatures for December, 1936.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Calhoun	Maximum	47	44	45	47	47	52	47	49	50	51	40	41	48	54	59	58	53	44	41	40	52	47	57	63	59	61	62	57	61	67	61	51.7
	Minimum	33	43	38	33	31	37	24	20	36	40	33	23	29	34	38	37	34	36	20	37	31	29	33	37	43	46	56	44	47	48	37	36.4
	Mean	45	44	47	48	43	53	40	49	52	50	38	40	45	50	55	56	49	43	37	42	53	47	58	63	61	63	63	58	63	68	62	51.1
Earlington	Maximum	46	48	46	48	43	53	40	49	52	50	38	40	45	50	55	56	49	43	37	42	53	47	58	63	61	63	63	58	63	68	62	52.4
	Minimum	26	38	36	28	25	47	18	22	30	43	27	18	19	22	24	27	29	35	30	29	28	23	28	36	45	47	59	45	46	56	42	32.8
	Mean	36	43	41	38	34	50	29	36	41	47	33	29	32	36	40	42	39	39	34	36	41	35	43	50	53	55	61	52	55	62	52	42.6
Greenville	Maximum	45	44	48	48	50	53	40	50	52	50	40	...	...	54	54	56	50	44	40	42	55	47	59	62	60	62	62	58	60	68	62	52.2
	Minimum	24	35	35	28	27	40	16	20	22	38	24	17	17	21	22	23	26	33	28	25	20	24	26	33	41	45	54	45	45	54	28	30.2
	Mean	35	40	42	38	39	47	28	35	37	44	32	24	25	38	38	40	38	39	34	34	38	36	43	48	51	54	58	52	53	61	45	41.4
Henderson	Maximum	43	43	45	47	48	51	35	52	47	45	37	46	44	56	59	60	50	35	42	38	46	52	56	62	58	60	62	58	60	67	66	50.5
	Minimum	23	34	38	30	27	34	20	21	31	34	26	12	21	42	19	29	31	24	24	30	29	20	25	38	42	42	47	38	41	51	34	30.9
	Mean	33	38	42	38	37	42	27	36	39	39	31	29	32	49	39	44	40	29	33	34	37	36	40	50	50	51	54	48	50	59	50	40.7
Hopkinsville	Maximum	44	42	47	52	55	56	44	53	55	49	40	46	49	54	56	58	49	44	40	45	56	51	63	64	63	63	62	57	61	69	63	53.1
	Minimum	27	37	33	32	33	44	19	19	33	40	27	21	20	28	26	27	28	36	30	28	24	27	28	37	40	40	55	51	49	56	38	33.1
	Mean	36	40	40	42	44	50	32	36	44	45	34	34	35	41	41	43	39	40	35	37	40	39	46	51	52	52	59	54	55	63	51	43.1
Lovelaceville	Maximum	42	42	46	50	51	54	41	53	47	47	38	43	46	55	64	59	53	44	37	44	55	50	54	59	59	61	61	56	55	61	58	50.0
	Minimum	25	36	38	28	31	36	15	20	28	34	25	16	18	22	23	25	26	31	28	25	23	26	26	36	41	39	54	43	43	51	27	30.4
	Mean	34	39	42	39	41	45	28	37	38	41	32	30	32	39	44	42	40	38	33	35	39	38	40	48	50	50	58	50	49	56	43	40.2
Mayfield	Maximum	42	42	46	50	51	54	41	53	47	47	38	43	46	55	64	59	53	44	37	45	56	51	54	61	60	62	62	58	60	67	61	51.2
	Minimum	26	36	38	32	31	39	17	22	34	36	25	20	22	26	28	31	34	30	28	26	30	28	31	43	43	41	55	45	45	57	37	33.0
	Mean	34	39	42	41	41	47	29	38	41	42	32	32	34	41	46	45	44	37	33	36	43	40	43	52	52	52	59	52	53	62	49	42.1
Murray	Maximum	44	44	45	50	54	53	39	53	50	46	38	42	45	51	55	59	47	43	39	43	35	49	58	55	61	62	63	54	62	67	57	49.7
	Minimum	25	37	37	28	29	37	18	21	25	36	26	17	16	21	22	23	25	26	29	27	23	27	25	39	35	32	51	48	48	55	30	30.6
	Mean	35	41	41	39	42	45	29	37	38	41	32	30	31	36	39	41	36	35	34	35	29	38	42	47	48	47	57	51	55	61	44	40.2
Owensboro	Maximum	42	42	44	46	47	47	39	46	47	46	39	38	43	52	63	55	44	42	35	47	48	43	52	60	57	61	61	56	57	65	58	48.6
	Minimum	24	34	35	29	27	35	15	22	30	36	25	20	21	25	26	30	31	32	29	26	26	24	27	35	36	37	52	42	42	42	30	30.5
	Mean	33	38	40	38	37	41	27	34	39	41	32	29	32	39	45	43	38	37	32	37	37	34	40	48	47	49	57	49	50	54	44	39.6
Paducah	Maximum	46	48	48	50	53	46	35	53	47	46	37	40	45	56	60	58	48	37	33	29	26	27	27	32	42	45	45	56	43	44	52	46	43.2
	Minimum	25	38	38	30	33	35	16	21	32	32	32	24	26	29	28	29	26	33	29	26	24	27	35	36	37	39	52	42	42	42	30	33.2
	Mean	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Princeton	Maximum	...	38	37	30	31	37	17	22	39	36	26	19	19	24	25	26	28	33	30	25	24	26	29	36	36	37	55	45	47	55	51	31.9
	Minimum	...	...	...	...	52	53	23	18	56	47	23	...	...	...	...	...	53	37	33	45	52	43	53	55	55	60	60	58	62	62	50	50.2
Russellville§§	Minimum	...	...	...	...	...	32	17	18	22	32	24	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29.8
	Mean																		12	30	26	23	28	24	34	35	30	40	51	47	49	38	
Central Division.																																	
Anchorage	Maximum	41	40	46	48	43	49	35	43	46	46	39	37	36	50	43	42	39	37	33	36	45	40	45	57	55	60	59	59	55	50	59	45.3
	Minimum	21	28	35	33	25	35	19	21	24	34	26	12	14	18	23	23	24	31	28	25	17	18	22	27	30	34	51	41	42	31	35	27.1
	Mean	31	34	41	41	34	42	27	32	35	40	33	25	25	34	33	33	32	34	31	31	31	29	34	42	43	47	55	50	49	41	47	36.2
Bowling Green	Maximum	45	48	49	56	54	60	46	48	57	55	49	45	43	48	49	57	45	43	43	42	60	45	55	58	58	63	63	62	61	69	55	51.9
	Minimum	26	39	38	36	33	39	22	28	37	38	28	21	19	23	25	26	28	33	22	24	25	26	25	32	36	36	38	53	50	40	35	31.8
	Mean	36	44	44	46	44	50	34	38	47	47	39	33	31	36	37	42	37	38	33	33	43	36	40	45	47	50	51	58	56	55	45	41.9
Danville	Maximum	50	45	46	48	50	53	51	53	55	51	50	36	40	48	48	56	45	40	45	35	48	40	56	60	58	65	64	60	63	64	60	54.1
	Minimum	27	36	37	36	28	36	20	23	25	42	27	17	15	20	23	19	27	32	36	25	18	21	24	30	34	35	50	46	46	54	36	30.5
	Mean	39	41	42	42	39	45	36	38	40	47	39	27	28	34	36	38	36	36	41	30	33	31	40	45	46	50	57	53	55	59	48	42.3
Dix Dam	Maximum	50	45	46	48	50	53	51	53	55	53	51	40	42	46	50	52	57	45	44	42	44	44	58	60	60	65	60	60	62	64	60	51.4
	Minimum	23	39	40	39	40	23	24	23	25	32	40	26	18	23	25	25	28	34	32	31	21	21	28	27	32	36	55	48	47	57	38	32.5
	Mean	36	42	43	43	45	38	38	38	40	43	46	33	30	35	38	39	43	40	38	37	33	33	43	44	46	51	58	54	55	61	49	42.0
Eubank	Minimum	26	26	30	36	25	30	22	21	25	43	26	14	15	20	26	26	24	33	30	26	20	19	22	27	30	36	50	47	45	50	47	30.2
	Maximum	42	44	46	52	46	54	49	48	54	51	49	39	43	54	53	54	46	39	38	36	51	42	53	60	59	64	64	59	62	68	64	50.8
	Minimum	22	36	37	38	28	41	19	21	23	34	29	18	14	20	22	23	23	32	30	27	21	17	22	24	26	29	54	42	44	43	34	28.8
	Mean	32	40	42	45	37	48	34	35	39	43	39	29	29	37	38	39	35	36	34	32	36	30	38	42	43	47	59	51	53	56	49	39.8
Frankfort	Maximum	48	50	48	52	47	48	49	46	51	54	38	36	46	32	44	56	45	42	37	41	40	40	45	46	57	58	56	53	62	65	60	47.9
	Minimum	38	40	31	40	36	42	22	24	27	40	25	18	17	21	24	31	34	28	26	21	24	28	32	31	52	51	50	55	40	32.4		
	Mean	43	45	40	46	42	45	36	35	39	47	32	27	32	27	34	44	40	35	32	31	32	34	39	46	55	55	53	54	51	49	46	40.2
Glasgow	Maximum	48	46	47	49	53	54	52	48	57	54	57	35	42	59	49	55	49	43	40	39	50	46	50	61	60	64	66	60	63	65	63	52.2
	Minimum	21	36	36	30	29	42	20	18	22	38	26	14	12	16	20	20	21	32	28	35	18	18	25	24	25	29	55	50	46	54	34	28.5
	Mean	34	41	42	40	41	48	36	33	40	46	42	25	27	38	35	38	35	38	34	37	34	32	38	43	43	47	61	55	55	60	49	40.4
Greensburg	Minimum	23	38	39	34	27	40	17	21	33	40	26	20	21	26	28	31	31	32	30	28	26	24	29	37	45	40	48	39	42	50	38	32.3
	Maximum	47	43	46	48	48	51	44	46	51	49	44	37	43	52	43	53	46	40	34	32	50	43	54	58	55	61	63	55	59	65	60	49.5
	Minimum	21	37	38	31	28	44	20	22	31	41	29	19	19	21	27	36	30	33	30	27	24	25	30	36	37	35	46	42	45	45	34	32.8
Irvington	Mean	34	40	42	40	38	48	32	34	42	45	36	28	31	37	35	45	38	37	32	30	37	34	42	47	46	48	55	49	52	55	47	41.2
	Minimum	24	38	39	34	27	40	17	21	33	40	26	20	21	26	28	31	31	32	30	28	26	24	29	37	45	40	48	39	42	50	38	32.3
	Maximum	47	43	46	48	48	51	44	46	51	49	44	37	43	52	43	53	46	40	34	32	50	43	54	58	55	61	63	55	59	65	60	49.5
	Minimum	21	37	38	31	28	44	20	22	31	41	29	19	19	21	27	36	30	33	30	27	24	25	30	36	37	35	46	42	45	45	34	32.8
Leitchfield	Mean	34	40	42	40	38	48	32	34	42	45	36	28	31	37	35	45	38	37	32	30	37	34	42	47	46	48	55	49	52	55	47	41.2
	Minimum	24	38	39	34	27	40	17	21	33	40	26	20	21	26	28	31	31	32	30	28	26	24	29	37	45	40	48	39	42	50	38	32.3
	Maximum	47	43	46	48	48	51	44	46	51	49	44	37	43	52	43	53	46	40	34	32	50	43	54	58	55	61	63	55	59	65	60	49.5
	Mean	36	41	43	41	38	46	31	34	42	45	35	29	32	39	36	42	39	36	32	30	38	34	42	48	50	51	56	47	51	58	49	41.4
Lexington	Minimum	21	36	37	30	25	29	20	24	32	37	24	19	16	23	28	29	29	31	26	21	19	22	27	34	37	40	43	43	43	51	34	30.1
	Maximum	43	44	46	48	47	52	30	43	52	48	35	36	42	50	52	49	41	35	33	33	38	38	41	50	50	58	62	62	53	58	66	47.5
	Minimum	23	36	38	30	27	26	16	24	31	35	25	19	21	27	34	32	30	30	27	27	21	30	35	44	43	54	54	41	42	52	33	31.7
Louisville	Mean	40	39	43	43	42	67	41	36	50	45	45	28	32	41	42	37	37	39	35	35	32	37	41	47	51	57	58	56	57	64	60	45.2
	Minimum	25	36	36	31	24	43	20	20	30	39	22	15	10	16	20	21	24	33	28	25	19	21	22	30	30	38	45	49	47	55	32	29.2
Mammoth Cave	Maximum	45	47	47	50	47	52	47	45	50	47	44	42	49	52	50	54	41	43	45	48	51	42	52	58	56	60	61	57	57	63	48	50.0
	Minimum	24	37	38	31	28	44	20	23	31	41	29	19	19	21	27	36	30	33	30	27	24	28	32	34	37	40	43	43	43	51	34	30.1
St. John	Mean	34	42	43	41	38	48	34	34	41	44	37	31	34	37	39	45	36	38	38	38	38	35	42	46	47	50	52	50	50	57	41	40.1
	Minimum	24	37	38	39	24	42	19	24	30	39	27	18	23	25	21	27	28	27	27	22	25	25	28	30	48	37	53	44	44	40	31	30.9
	Maximum	46	42	49	44	45	51	45	44	53	49	46	33	44	53	49	51	44	37	32	34	48	32	48	57	55	61	60	56	59	63	61	48.2
	Mean	35	40	44	42	35	47	32	34	42	44	37	26	34	39	35	39	36	32	30	28	37	29	38	44	52	49	57	50	52	60	46	39.6
Shelbyville	Minimum	21	35	36	33	25	31	17	21	28	39	27	17	18	24	25	29	29	30	29	27	22	20	25	32	35	38	52	42	42	50	32	30.4
	Maximum	45	43	47	46	48	52	40	42	48	46	34	40	46	48	48	48	44	41	37	38	35	48	40	47	55	56	61	62	52	60	65	48.1
	Mean	33	39	42	40	37	42	29	32	38	43	31	29	32	36	37	39	37	36	33	33	29	34	33	42	45	47	57	52	47	55	49	39.3
Taylorsville	Minimum	23	35	36	34	23	38	18	22	22	33	25	16	14	19	21	23	23	32	31	24	20	18	22	24	27	31	51	44	44	48	53	28.2
	Maximum	45	43	46	46	47	52	40	42	48	46	34	40	46	48	48	48	44	41	37	38	35	48	40	47	55	56	61	62	52	60	65	48.1
	Mean	34	39	41	40	35	45	29	32	35	40	30	28	30	34	35	36	34	37	34	31	28	33	31	36	41	44	56	53	48	54	59	38.2
Williamstown	Minimum	18	33	35	32	23	37	13	20	26	38	28	17	19	26	30	29	32	29	30	26	23	19	28	30	39	39	51	38	41	53	28	30.0
	Maximum	43	42	45	46	40	47	48	46	48	50	47	30	36	42	45	44	41	36	31	30	38	38	44	51	51	53	57	58	57	63	63	44.8
	Mean	31	38	40	39	32	42	31	33	37	44	38	24	28	34	38	37	37	33	31	28	31	29	36	41	45	46	54	48	49	58	46	37.4
Eastern Division.																																	
Ashland	Maximum	41	44	43	50	46	55	44	46	44	51	49	37	35	50	48	45	41	40	50	44	48	45	57	57	56	60	68	65	64	69	68	50.1
	Minimum	23	31	38	40	23	34	27	22	22	34	32	26	18	21	25	24	26	33	34	28	22	19	19	25	27	28	43	47	48	49	53	30.3
	Mean	32	38	41	45	35	45	36	34	33	43	41	32	27	36	37	35	34	37	42	36	35	32	38	41	42	44	56	56	56	59	61	40.2
Berea	Maximum	50	46	46	47	48	54	53	47	56	53	47	32	39	47	47	53	50	39	40	33	42	42	52	58	58	59	63	62	61	66	63	50.4
	Minimum	23	37	39	39	26	40	22	23	29	39	30	20	16	20	23	25	25	31	31	24	20	18	22	26	27	26	40	43	43	45	46	32.1
	Mean	36	42	42	43	37	47	37	35	42	46	38	26	27	33	35	39	37	35	35	28	31	30	37	42	42	42	51	52	52	55	54	41.2
Cumberland	Minimum	24	38	39	37	29	43	40	22	25	39	36	25	24	27	26	27	26	32	40	25	17	19	27	27	28	44	46	49	49	55	45	32.7
	Maximum	47	45	47	50	47	54	56	47	50	51	51	40	44	53	53	56	51	44	49	47	47	42	52	61	66	66	67	67	63	64	69	54.1
	Minimum	29	32	38	35	16	35	29	18	18	33	29	20	10	15	18	20	19	30	30	25	15	13	15	19	23	22	44	44	42	52	40	26.3
Farmers	Mean	38	39	43	43	32	45	43	33	34	42	40	30	27	34	36	38	35	37	40	36	31	28	34	40	45	44	56	56	53	58	60	51.7
	Maximum	51	45	47	50	50	54	52	48	53	51	49	37	41	51	44	57	45	44	44	38	38	34	49	59	59	63	67	64	65	66	66	50.7
Heidelberg	Minimum	21	31	40	42	20	35	28	20	20	37	38	26	14	17	23	23	23	31	34	29	16	18	22	22	25	26	40	49	47	45	50	29.4
	Mean	36	38	44	46	35	45	40	34	37	44	44	32	28	34	34	40	34	38	39	34	27	26	36	41	42	45	54	57	56	56	58	40.1
Livingston	Maximum	44	42	47	44	54	55	43	45	50	49	38	43	52	51	52	43	34	45	37	45	41	45	52	51	59	58	64	63	63	65	66	50.1
	Minimum	17	36	40	36	31	21	18	28	22	41	39	33	23	11	17	19	21	19	28	28	14	19	15	17	23	28	33	41	44	48	38	27.4
	Mean	31	39	44	40	43	38	31	37	36	45	39	38	38	31	35	31	28	32	33	37	28	32	34	34	41	43	49	52	54	57	52	38.8
Maysville	Maximum	44	43	50	49	54	51	50	51	51	53	53	48	44	49	52	59	55	50	48	43	46	46	49	54	55	59	65	66	60	67	64	50.9
	Minimum	20	30	35	35	18	35	21	19	19	34	29	19	13	17	21	21	22	30	30	25	21	15	17	23	26	28	47	40	39	46	46	29.1
	Mean	32	37	43	42	36	43	36	35	35	44	41	34	29	33	37	40	39	40	39	34	34	31	33	39	41	44	56	53	50	57	55	40.0
Middlesboro	Maximum	44	43	50	49	54	51	50	51	51	53	53	48	44	49	52	59	55	50	48	43	46	46	49	54	55	59	65	66	60	67	64	50.9
	Minimum	20	30	35	35	18	35	21	19	19	34	29	19	13	17	21	21	22	30	30	25	21	15	17	23	26	28	47	40	39	46	46	29.1
	Mean	32	37	43	42	36	43	36	35	35	44	41	34	29	33	37	40	39	40	39	34	34	31	33	39	41	44	56	53	50	57	55	40.0
Mount Sterling	Minimum	20	36	34	30	23	40	21	20	22	33	28	17	14	19	23	23	23	31	26	22	16	18	21	24	32	34	51	45	45	50	46	28.4
	Maximum	44	44	48	50	54	55	54	49	57	53	50	36	38	45	44	52	48	44	50	44	45	41	46	48	59	61	65	64	62	68	66	51.1
Pikeville	Minimum	20	36	37	34	24	37	31	21	25	39	35	28	21	26	29	29	29	37	32	27	21	21	24	26	27	32	51	46	50	42	31.1	
	Mean	32	40	42	42	39	46	42	35	41	46	42	32	29	35	36	40	38	40	41	35	33

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

THE LIBRARY OF THE
FEB 26 1937
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XLI LOUISVILLE, KY., ANNUAL, 1936 No. 13

GENERAL SUMMARY.

The cold weather in the last decade of January and the first three weeks of February was similar to the the severe conditions that prevailed in January, 1918 and February, 1899. Fairly heavy snow cover protected winter grains in the eastern counties, but it was generally inadequate in western districts. Because of the light precipitation and comparative dryness of the surface soil, grains came through this period in fairly good condition. The abnormal warmth of March, with precipitation near the average in most of the State, produced early and rapid growth. The relatively dry soil, loosened by the deep winter freezes, absorbed the rainfall unusually well. Fruit buds that had not been killed by the earlier sub-zero temperatures opened rather generally, only to be killed by the frequent freezes of April. Cold, rainy weather in the first half of April delayed growth and spring work, but its effects were less important because of the unusual progress in March. Weather warmer than normal in May, with light rainfall, rapidly developed the grain crops. Late in the month the dry weather interfered with transplanting of tobacco and germination of corn. Toward the end the increasing distress of vegetation, despite the excellent State of cultivation, gave evidence of developing drought. This condition became intensified in June, which was the driest of record. Except for perfect ripening and harvest of grains, its effect on crops was to cause widespread damage and retardation of growth. Drought and extreme heat in the first half of July greatly increased the injury to crops, especially in the north half of the State. Good rains restored growing conditions in the southern counties and some central districts. Rains early in August reached the dry northern area, but drought and extremely high temperatures returned in the last half of the month. Precipitation varied so greatly in the northern and southern districts as to make the difference between almost complete crop failure and relatively good yields. Good rains early in September improved late crops, and other rainfall late in the month completed their growth. Favorable temperatures until late in October permitted fall crops and forage to mature. This weather was especially timely because of the shortage of vegetables and feed. The October rainfall was ample for fall grains, which continued slow growth until the middle of November and entered the winter in good condition. Dry weather that prevailed in November and December favored corn gathering, but interfered with stripping and marketing tobacco.

The Weather By Months.

JANUARY.---Mild weather in the first half favored the gathering of corn and handling of tobacco. Later on, in the period of severe cold, not much work of this character could be accomplished. With the exception of a week in February, 1899, the week ending with the 28th was the coldest on record at many northern stations.

FEBRUARY.---The dry cold of the first three weeks continued to interfere with marketing tobacco. Freezing to extraordinary depths caused much damage to water pipes and macadam roads. A reaction to abnormally high temperature in the last week started growth in fields and pastures.

MARCH.---During the first two weeks spring preparations for farming and gardening were scarcely interrupted. Most tobacco plantbeds were sown at this time. Wet weather in the last half seriously interfered with outdoor work.

APRIL.---The cold weather discouraged corn planting and retarded growth of tobacco plants. Sowing of oats, planting of potatoes, and most gardening were delayed from two to three weeks.

MAY.---Warm, dry weather favored planting and germination of delayed crops. Lack of rain in the last half prevented most tobacco transplanting in the hilly districts, and was unfavorable for obtaining a stand where plants were set by machine. Dry weather practically ended the strawberry season.

JUNE.---A wave of heat in the last few days set new temperature records for the month. Rainfall was not sufficient in any large area of the hilly districts to permit much tobacco transplanting. Plants died slowly as their water supply evaporated. Pastures failed generally by the middle of the month.

JULY.---Extensive damage to corn, pollen, and tassels to set ears, resulted from the high temperatures and drought in the first half. The rains were extremely local and irregular, causing marked contrasts in crop conditions. Drought continued unbroken in most northern counties.

AUGUST.---Tobacco improved decidedly after the early rains and considerable late corn developed. Pastures partly recovered in northern districts, but dried up again later in the month. Late potatoes and forage crops made very slow progress.

SEPTEMBER.---Late crops and pastures improved again in the south, but growth was checked by the return of extreme heat in the second decade. The late rains prepared the soil for fall seeding and restored pastures to good condition.

OCTOBER.---Delayed frosts especially in cured late potatoes, tomatoes, and late gardens. Soil and weather conditions were highly favorable for fall seeding and ensuring germination. Abnormally cool weather in the last decade delayed growth.

NOVEMBER.---The remarkably heavy snowfall in central districts caused much damage to shade and fruit trees, which had not shed their foliage. Corn in shock was also damaged by the snow and heavy rains of the first week. Grass and the pastures furnished good grazing in the first half.

DECEMBER.---While relatively cold, the prevailing dryness of the month enabled farmers to finish corn gathering. Winter grains remained in good condition.

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year	Temperature. Mean.	Highest	Lowest	Precipitation Average.	Average snow fall	Precipitation .01 Inch or more	Number of days Clear.	Partly cloudy	Cloudy.
1889	55.6	103	3	53.97	....	....	....	....	....
1890	57.1	101	4	58.82	....	....	....	....	....
1891	56.3	105	0	39.69	....	....	....	....	....
1892	55.3	101	− 6	44.25	....	....	....	....	....
1893	55.5	103	−22	44.71	....	....	....	....	....
1894	57.1	105	−12	34.81	....	....	....	....	....
1895	56.0	104	−18	38.47	....	....	156	103	104
1896	57.6	106	−12	44.68	....	94	181	111	104
1897	57.2	107	−16	46.72	8.1	111	168	97	100
1898	57.2	103	−12	52.38	12.5	103	153	110	102
1899	56.4	105	−39	46.38	24.6	112	155	105	105
1900	57.7	104	− 9	43.40	12.9	110	170	102	104
1901	55.3	102	−22	35.65	11.7	88	164	87	111
1902	56.5	107	− 3	44.35	14.0	102	162	91	112
1903	55.8	104	−16	41.16	12.9	106	170	87	108
1904	55.3	100	− 9	35.10	9.7	100	162	88	116
1905	55.8	106	−16	47.48	18.1	113	161	78	126
1906	57.6	100	12	48.84	14.9	113	152	78	135
1907	56.1	102	−11	47.36	14.5	119	155	73	137
1908	57.7	104	− 2	41.94	9.5	109	166	82	115
1909	56.5	104	−14	51.41	10.6	108	158	82	125
1910	55.3	101	−29	50.67	20.6	141	168	74	123
1911	58.0	106	−16	46.77	6.6	117	153	97	115
1912	54.6	103	−20	47.93	27.0	108	165	74	127
1913	57.9	109	− 2	47.46	5.8	107	166	77	125
1914	56.3	100	−16	41.80	22.7	106	185	80	100
1915	56.2	102	− 0	51.92	14.4	114	150	83	102
1916	56.2	102	−14	45.49	23.9	106	174	87	106
1917	53.5	109	−21	46.01	42.8	107	165	91	119
1918	56.5	111	−29	40.64	24.9	106	170	87	108
1919	57.9	104	− 1	52.13	4.7	116	170	81	114
1920	56.3	100	− 6	46.50	16.1	104	184	83	111
1921	60.1	106	11	49.42	18.0	113	160	93	111
1922	58.5	103	1	44.43	3.6	109	176	87	102
1923	55.1	99	− 4	50.92	3.9	115	155	81	129
1924	55.0	103	− 9	49.48	6.3	108	160	70	135
1925	56.6	110	− 9	41.41	19.1	104	168	85	112
1926	56.1	107	−21	46.95	13.1	129	148	90	127
1927	57.8	103	− 8	50.45	10.5	122	157	88	120
1928	56.0	101	− 8	47.81	6.2	111	166	89	111
1929	56.2	101	−15	48.46	25.4	121	155	88	124
1930	57.0	104	−20	37.86	9.6	95	175	87	103
1931	54.0	106	− 2	41.98	4.6	114	156	87	122
1932	57.7	103	− 8	44.18	4.0	110	175	85	105
1933	58.4	106	− 2	50.61	6.9	115	154	86	125
1934	57.6	110	−19	37.44	14.8	109	171	90	104
1935	56.8	105	−14	57.10	13.5	129	151	93	121
1936	57.4	113	−25	37.84	20.4	87	170	88	107
Period	56.7	114	−39	45.49	12.6	108	166	87	112

48 year averages.

Climatological Data for the Year 1936.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number of days				Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION																				
Birmingham	Marshall								1	32.13	4.96	Dec.	0.26	Aug.	.....	61	.....	.....	.....	sw.
Calhoun	McLean	487	33	55.8	105	July 13†	— 6	Jan. 27	84	35.35	6.00	Sept.	0.54	June	11.7	83	91	215	60	sw.
Earlington	Hopkins	420	47	59.6	108	July 13	— 4	Jan. 27†	47	37.83	6.35	April	0.29	June	8.7	80	221	48	97	n.
Ford's Ferry	Crittenden	382	.....	.....	.....	.....	.....	.....	8	35.07	6.71	Sept.	0.66	June	14.9	99	.....	.....	.....	.....
Greenville	Muhlenburg	519	20	.....	107	July 14	—10	Jan. 27†	20	38.65	6.45	April	0.98	Jan.	13.9	78	220	100	46	s.
Henderson	Henderson	352	5	.....	108	Aug. 17†	— 7	Feb. 18	5	.....	5.02	Nov.	0.25	Aug.	.....	.....	.....	.....	.....	.....
Hopkinsville	Christian	524	41	58.8	110	July 13	— 7	Feb. 18	41	37.41	4.07	Dec.	1.01	June	12.1	101	132	66	168	se.
Lovelaceville	Ballard	460	5	57.7	105	June 18†	— 9	Jan. 24†	8	35.02	5.77	Dec.	0.25	Aug.	26.5	56	236	55	75	s.
Mayfield	Graves	364	28	59.4	108	July 13	—10	Feb. 18	28	39.32	8.86	July	0.25	Aug.	12.0	72	185	113	68	s.
Murray	Calloway	412	11	58.5	107	July 13	—12	Feb. 18	11	34.96	6.57	Dec.	0.83	Aug.	15.1	80	185	91	90	s.
Owensboro	Daviess	479	40	56.7	107	July 13	—10	Jan. 27	40	33.69	6.02	Sept.	0.36	June	7.0	73	201	59	106	s.
Owensboro Dam 46	Daviess	479	.....	.....	.....	.....	.....	.....	9	32.33	4.84	Sept.	0.40	June	11.4	92	.....	.....	.....	.....
Paducah	McCracken	341	.....	.....	.....	.....	.....	.....	20	.....	6.02	Sept.	0.41	June	19.9	.....	.....	.....	.....	.....
Princeton	Caldwell	529	30	58.7	107	July 13	— 7	Feb. 18	32	42.17	5.31	April	1.24	June	14.5	104	141	142	83	s.
Rumsey, Lock 2	McLean	384	.....	.....	.....	.....	.....	.....	29	38.27	5.42	Sept.	0.54	Jun	11.3	88	.....	.....	.....	.....
Russellville	Logan	550	25	56.9	106	July 10	—11	Jan. 27	25	39.02	7.79	Mar.	0.14	June	.....	94	.....	.....	.....	s.
Uniontown Dam 49	Union	314	.....	.....	.....	.....	.....	.....	8	31.21	5.49	Mar.	0.96	June	14.3	93	.....	.....	.....	.....
CENTRAL DIVISION.																				
Addison Dam 45	Breckinridge	352	.....	.....	.....	.....	.....	.....	9	33.36	4.00	Apr.4	0.54	May	.....	106	.....	.....	.....	.....
Anchorage	Jefferson	700	37	54.7	106	July 15	—10	Feb. 19	36	35.32	4.77	Sept.	0.03	June	10.9	89	182	94	90	sw.
Bowling Green	Warren	500	49	60.1	108	June 29	— 5	Jan. 27	49	40.28	6.51	Dec.	0.12	June	12.0	89	168	98	100	s.
Brownsville, Lock 6	Edmonson	773	.....	.....	.....	.....	.....	.....	20	43.87	7.44	July	0.72	Aug.	14.4	102	.....	.....	.....	.....
Barnsrie	Pulaski	.....	.....	.....	.....	.....	.....	.....	46	41.06	5.99	Mar.	0.45	June	12.5	110	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	422	.....	.....	.....	.....	.....	.....	38	32.67	5.21	Sept.	0.31	June	.....	83	.....	.....	.....	.....
Cold Spring	Campbell	489	.....	.....	.....	.....	.....	.....	10	32.44	4.39	Aug.	0.61	June	14.5	104	.....	.....	.....	sw.
Danville	Boyle	955	4	.....	107	June 29	—12	Jan. 23†	4	.....	5.89	Dec.	0.47	June	19.2	.....	.....	.....	.....	sw.
Dix Dam, Burgin	Mercer	780	13	.....	107	July 10	—12	Jan. 27	13	.....	5.83	April	0.42	June	15.5	.....	.....	.....	.....	.....
Eadsville	.....	.....	.....	.....	.....	.....	.....	.....	1	41.36	6.49	Mar.	0.55	June	10.5	85	.....	.....	.....	.....
Eubank	Pulaski	1,177	43	.....	108	Aug. 21	—17	Jan. 17	43	.....	4.20	Jan.	.....	.....	6.2	.....	.....	.....	.....	n.
Frankfort	Franklin	504	45	56.8	106	June 29	—15	Jan. 23	46	34.25	4.83	April	0.22	June	12.8	59	373	83	110	w.
Gest, Lock 3	Henry	691	.....	.....	.....	.....	.....	.....	81	34.58	5.08	Mar.	0.81	June	10.7	104	.....	.....	.....	.....
Glasgow	Barren	787	11	58.7	108	June 29	—12	Jan. 27	11	40.65	6.64	Dec.	0.67	June	14.0	61	177	39	50	n.
Grant	Boone	866	.....	.....	.....	.....	.....	.....	12	27.23	3.97	Oct.	0.10	June	.....	101	.....	.....	.....	.....
Greensburg	Green	581	44	56.9	108	July 10	—13	Jan. 27	48	42.46	6.44	July	0.60	May	13.1	101	76	45	246	sw.
High Bridge, Lock 7	Jessamine	550	.....	.....	.....	.....	.....	.....	35	39.85	7.27	April	0.54	Jun	.....	121	.....	.....	.....	.....
Irvington	Breckinridge	646	29	58.0	106	July 10†	— 9	Jan. 23†	39	26.78	4.19	Sept.	0.46	June	12.5	79	88	57	121	sw.
Lancaster	Garrard	1,032	.....	.....	.....	.....	.....	.....	11	39.30	6.09	Dec.	0.32	June	.....	101	.....	.....	.....	.....
Leitchfield	Grayson	635	41	57.8	107	July 13	—10	Jan. 27	41	37.66	5.23	April	0.67	June	19.3	99	153	142	71	sw.
Lexington	Fayette	869	53	56.0	105	July 10	—15	Jan. 23	54	36.21	5.76	April	1.18	June	34.2	122	179	79	108	.....
Little Hickman, Lock 8	Jessamine	523	.....	.....	.....	.....	.....	.....	26	39.83	5.55	Dec	0.60	June	18.0	93	.....	.....	.....	.....
Longport, Lock 2	Henry	476	.....	.....	.....	.....	.....	.....	27	34.60	5.57	April	0.55	June	11.3	83	.....	.....	.....	.....
LOUISVILLE	Jefferson	525	64	57.1	107	July 14	—11	Jan. 23	64	29.87	4.11	Nov.	0.35	Jun	23.1	103	147	115	104	sw.
Mammoth Cave	.....	.....	2	.....	105	June 29	—10	Jan. 27	2	44.87	7.26	Dec.	0.63	June	13.7	.....	.....	.....	.....	.....
St. John	Hardin	777	41	56.3	107	Aug. 17†	—18	Jan. 27	41	37.21	5.77	April	0.25	June	11.4	86	2 2	37	77	.....
Salvisa, Lock 6	Mercer	490	.....	.....	.....	.....	.....	.....	23	34.74	5 24	Apr.1	0 70	June	.....	79	.....	.....	.....	.....
Shelbyville	Shelby	825	48	56.7	109	July 14	16	Jan. 28	48	32.82	4.48	Sept.	0 02	June	22.8	113	145	24	197	s.
Shepherdsville	Bullitt	500	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stearns	McCreary	1,400	.....	.....	.....	.....	.....	.....	1	.....	4.41	Dec.	0.41	June	.....	.....	.....	.....	.....	.....
Taylorsville	Spencer	489	35	54.8	105	July 10	—25	Jan. 28	38	33.57	4.76	April	0.14	June	13.6	90	231	44	91	.....
Tyrone, Lock 5	Anderson	526	.....	.....	.....	.....	.....	.....	19	35 89	6.22	April	0.29	June	25.9	115	.....	.....	.....	.....
Williamstown	Grant	943	34	56.9	109	July 14	—16	Jan. 23	34	35.99	4 92	April	0.31	June	9.5	100	229	56	81	w.
Woodbury, Lock 4	Butler	533	.....	.....	.....	.....	.....	.....	20	40.07	5 24	Sept.	0.27	June	14.4	102	.....	.....	.....	.....
EASTERN DIVISION.																				
Annville	Jackson	.....	.....	.....	.....	.....	.....	.....	6	41.66	7.77	July	1.63	Feb.	27.7	119	137	107	122	sw.
Ashland	Boyd	534	21	56.8	103	July 10†	—13	Jan. 23	20	38.40	4.87	April	0.71	June	.....	114	175	56	135	w.
Berea	Madison	650	35	57.0	105	July 21	—12	Jan. 28	35	45.54	5.84	Dec.	0.63	Aug.	22.6	102	164	102	100	sw.
College Hill, Lock 11	Madison	601	.....	.....	.....	.....	.....	.....	27	.....	4.53	Mar.	0 19	June	22 6	.....	.....	.....	.....	.....
Cynthiana	Harrison	684	.....	.....	.....	.....	.....	.....	19	.....	5.32	Mar.	0.47	June	.....	.....	.....	.....	.....	.....
Falmouth	Pendleton	690	.....	.....	.....	.....	.....	.....	45	37.53	4.52	April	0.77	June	.....	119	.....	.....	.....	.....
Farmers	Rowan	668	30	55.5	106	Aug. 19	—20	Jan. 27	31	40 42	5.48	April	0.55	June	.....	93	121	127	118	e.
Flemingsburg	Fleming	870	.....	.....	.....	.....	.....	.....	12	35 66	5.57	April	0.42	June	.....	78	.....	.....	.....	.....
Ford, Lock 10	Clark	593	.....	.....	.....	.....	.....	.....	21	38 87	5 97	April	0.84	June	.....	119	.....	.....	.....	.....
Grassnap, Dam 30	Grassnap	540	.....	.....	.....	.....	.....	.....	17	42.77	6.76	Aug.	0.86	June	34.7	117	.....	.....	.....	.....
Hazard	Perry	869	.....	.....	.....	.....	.....	.....	13	39 02	5.51	July	1.66	May	.....	103	.....	.....	.....	.....
Heidelberg, Lock 14	Lee	664	2	56.9	105	Aug. 19	—12	Jan. 27	20	36 82	4.92	April	1 85	June	15 6	126	129	76	161	sw.
Jackson	Breathitt	540	.....	.....	.....	.....	.....	.....	2	42.94	5.59	Jan	1 00	May	32.0	86	.....	.....	.....	.....
Jenkins	Bell	1,566	.....	.....	.....	.....	.....	.....	12	.....	7.63	July	.....	.....	.....	.....	.....	.....	.....	.....
Louisa	Lawrence	584	.....	.....	.....	.....	.....	.....	33	.....	6.18	July	0.66	June	.....	.....	.....	.....	.....	.....
Maysville	Mason	524	41	55.1	105	July 10	—17	Jan. 23†	46	39.50	6.12	Oct	1.16	June	19.9	117	87	170	109	sw.
Middlesboro	Bell	1,128	41	.....	.....	.....	.....	.....	40	.....	5.84	Dec	0.27	June	28.2	.....	.....	.....	.....	.....
Mount Sterling	Montgomery	930	48	55.6	105	July 10†	—19	Jan. 23	47	37.30	7.58	April	T.	June	18.5	73	216	76	80	w.
Onemile, Dam 35	Campbell	513	.....	.....	.....	.....	.....	.....	15	34.48	5.64	Oct.	0.43	June	19.4	104	.....	.....	.....	.....
Paintsville	Johnson	667	.....	.....	.....	.....	.....	.....	4	48.90	7.53	Aug.	1.56	May	22.8	128	.....	.....	.....	.....
Pikeville	Pike	636	2	58.1	103	July 15	— 5	Jan. 27	31	38.81	6 32	July	1.11	May	32.6	110	126	107	133	.....
Pippapass	Knott	1,085	6	57.9	104	June 29	— 7	Jan. 23	6	44.39	7.84	July	1.63	May	35.7	133	140	118	108	.....
Quicksand	Breathitt	732	12	56.6	107	July 21	—10	Jan. 24†	11	41.29	6.01	Mar.	0.75	June	32.5	86	.....	.....	.....	.....
Ravenna, Lock 12	Estill	631	.....	.....	.....	.....	.....	.....	19	39.68	5.04	Mar.	0.49	June	.....	104	.....	.....	.....	.....
Richmond	Madison	926	47	57.3	105	Aug. 22	—15	Jan. 27	46	43.16	5 70	Mar.	0.17	June	.....	106	189	5	173	.....
Vanceburg	Lewis	541	.....	.....	.....	.....	.....	.....	25	.....	5.12	Dec	1.22	Jun	19.5	.....	.....	.....	.....	.....
Vance View, Lock 9	Madison	541	.....	.....	.....	.....	.....	.....	23	39.70	5.36	April	1.51	May	.....	117	.....	.....	.....	.....
Waynesburg, Dam 32	Lewis	525	.....	.....	.....	.....	.....	.....	42	.....	5.52	Dec	1.69	Aug.	.....	.....	.....	.....	.....	.....
Williamsburg	Whitley	964	41	.....	108	Aug. 19	—11	Jan. 27	16	38.52	5.26	Dec.	0.57	June	.....	101	.....	.....	.....	.....
Willow, Lock 13	Lee	611	.....	.....	.....	.....	.....	.....												

All temperature data are taken from self-registering thermometers.
Reference-letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

†Also on other dates.

Monthly and Annual Precipitation for the Year 1936, with Departures from the Normal.

Stations.	January.		February.		March.		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Birmingham	1.42	.....	1.52	.....	3.77	.....	4.28	.....	2.60	.....	0.85	.....	2.89	.....	0.26	.....	2.81	.....	3.2	.....	4	.....	4.85	.....	.....	.....
Calhoun	1.14	-0.82	2.02	-1.23	4.45	-0.18	4.54	+0.51	1.55	-2.66	0.55	3.32	1.25	-1.11	2.0	-1.81	6.60	+2.93	2.5	-0.43	5.5	+1.5	4	.....	.....	.....
Darlington	1.33	-0.71	1.81	-1.75	6.04	+1.16	6.56	+2.29	2.00	-2.49	0.25	3.25	1.45	-1.58	1.71	-1.54	4.55	+1.85	3.0	-0.18	5	.....	4	.....	.....	.....
Ford's Ferry	1.01	.....	2.10	.....	3.38	.....	4.36	.....	1.80	.....	.....	.....	1.11	.....	1.59	.....	6.1	.....	3.0	.....	4.5	.....	4.0	.....	.....	.....
Greenville	0.38	-3.59	1.75	-1.16	5.96	+1.51	6.13	-2.09	1.23	-2.92	1.09	-3.11	3.5	-0.05	1.0	-1.50	3.45	+0.58	3.0	.....	4.5	.....	4.0	.....	.....	.....
Henderson	.....	.....	2.11	-0.85	5.16	-0.25	5.56	+1.36	1.64	-2.29	1.45	-2.40	0.75	-2.47	0.24	-2.27	3.71	-0.23	3.3	-0.11	4.5	.....	4.0	.....	.....	.....
Hopkinsville	2.27	-0.09	1.84	-1.75	3.35	-0.97	4.63	-0.26	1.67	-2.47	1.61	-3.48	3.18	-0.86	3.2	-0.4	3.74	-0.3	3.0	.....	4.0	.....	4.17	.....	.....	.....
Lovelaceville	1.13	.....	2.60	.....	3.73	.....	4.46	.....	1.80	.....	2.16	.....	3.45	.....	0.25	.....	3.8	.....	3.0	.....	4.14	.....	4.5	-0.21	.....	.....
Mayfield	1.51	-3.65	1.99	-1.59	3.61	-0.87	4.73	-0.17	0.97	-2.87	1.04	-2.76	2.89	-0.53	0.3	-3.46	2.8	-0.6	3.1	.....	3.5	.....	.....	.....	.....	.....
Murray	2.72	-2.84	2.38	-0.99	3.45	-2.51	4.16	-0.55	2.09	-2.43	1.29	-3.47	3.65	-0.10	0.8	-2.80	4.5	-0.5	4.1	.....	4.5	.....	4.0	.....	.....	.....
Owensboro	0.56	-3.32	1.69	-1.16	3.61	-0.66	4.55	+0.39	1.68	-2.25	0.52	-3.56	3.49	+0.37	1.04	-2.4	1.62	-2.1	2.53	-0.44	3.5	-0.5	4.0	.....	.....	.....
Owensboro No. 2	1.24	.....	2.40	.....	3.66	.....	3.81	.....	1.80	.....	.....	.....	3.01	.....	1.27	.....	4.84	.....	.....	.....	.....	.....	.....	.....	.....	.....
Padueah	1.05	-3.86	1.66	-1.65	4.40	-0.11	.....	.....	1.32	-2.62	0.41	-3.81	3.7	+0.27	0.59	-3.15	1.66	-2.75	3.18	-1.16	5.3	-0.47	4.5	.....	.....	.....
Princeton	1.43	-3.34	2.20	-1.29	3.47	-0.27	5.31	-0.93	3.34	+0.78	1.24	-2.86	1.58	-1.89	5.11	+3.41	3.6	-0.7	4.5	.....	4.5	.....	4.0	.....	.....	.....
Rumsey, Lock No. 2	1.00	-3.64	1.98	-1.24	1.27	-2.47	4.35	+0.28	1.20	-3.04	0.24	-3.97	1.86	-1.92	1.70	-2.55	6.0	+1.78	4.1	.....	4.0	.....	4.0	.....	.....	.....
Russellville	2.94	-2.50	2.05	-1.45	7.73	+3.02	3.70	-0.36	1.18	-2.66	0.14	-3.54	4.46	+0.38	1.39	-1.72	2.06	-1.54	3.56	-0.13	3.5	-0.5	4.0	.....	.....	.....
Uniontown	1.27	.....	1.87	.....	5.49	.....	3.52	.....	1.37	.....	0.30	.....	1.75	.....	1.14	.....	3.00	.....	3.21	.....	4.97	.....	2.67	.....	.....	.....
CENTRAL DIVISION.																										
Addison	1.55	.....	2.18	.....	3.57	.....	4.66	.....	0.53	.....	0.55	.....	2.98	.....	2.83	.....	3.70	.....	3.43	.....	4.66	.....	.....	.....	.....	.....
Anchorage	1.36	-2.81	1.46	-1.40	3.24	-1.02	4.76	-0.90	1.46	-2.77	0.69	-3.58	3.48	-0.64	4.58	+0.63	1.75	+2.05	2.58	-0.61	4	.....	4.28	.....	.....	.....
Bowling Green	3.52	+0.16	1.97	-1.36	5.68	+0.98	5.57	+1.25	0.89	-3.35	0.12	-3.93	3.54	-0.04	2.94	-0.16	2.86	-1.86	3.50	-0.05	5.39	.....	4.17	.....	41.96	.....
Brownsville, Lock No 6	3.53	-2.19	2.29	-1.04	8.86	+0.64	5.17	+1.81	1.56	-2.58	0.35	-3.89	7.43	+4.64	0.72	-3.85	3.02	-0.83	3.41	-0.07	3.4	-0.61	4.18	+1.44	43.57	.....
Burnside	4.48	-0.37	1.50	-2.60	3.95	+0.62	5.28	-1.08	2.56	-1.91	0.43	-3.74	3.79	-1.18	2.15	-2.06	1.67	-2.7	4.5	.....	3.4	-0.21	4.5	.....	.....	.....
Carrollton, Lock No. 1	1.08	-2.64	1.97	-0.67	3.42	+0.39	4.22	+0.57	0.81	-2.89	0.31	-3.67	3.02	+0.10	1.70	-1.85	2.55	-0.19	2.57	-0.1	3	-0.21	4.5	.....	.....	.....
Cold Spring, Dam 36	1.25	-2.03	2.30	-0.99	3.40	-0.43	5.47	-0.19	1.05	-2.77	0.61	-3.46	1.56	-2.82	4.58	+0.7	3.6	-0.54	4.5	.....	4.5	.....	4.0	.....	.....	.....
Danville	4.86	+1.17	1.88	-1.21	5.36	+1.42	4.93	+1.11	2.63	-1.58	0.47	-3.44	.....	.....	1.26	-2.33	3.41	-0.48	3.5	.....	4.5	.....	4.0	+0.11	43.64	.....
D x Dam, Burgin	3.18	-0.48	1.73	-1.22	4.59	-0.89	5.85	+2.75	1.91	-1.66	0.42	-3.95	4.85	+0.78	0.76	-2.48	4.4	+1.11	2.43	-0.65	.....	.....	4.23	-1	.....	.....
Eddyville	4.40	.....	1.85	.....	6.49	.....	4.65	.....	1.72	.....	0.57	.....	4.99	.....	0.80	.....	1.64	.....	4.8	.....	5.49	.....	4.56	.....	.....	.....
Elizabeth	4.20	-0.33	2.41	-0.98	4.12	-0.59	.....	.....	.....	.....	.....	.....	.....	.....	0.80	.....	1.64	.....	4.8	.....	5.49	.....	.....	.....	41.96	.....
Frankfort	2.64	-2.20	1.43	-1.71	3.76	-0.62	4.82	+1.07	2.04	-1.21	0.22	-3.89	4.21	-0.25	1.68	-2.42	2.86	+0.10	3.87	-1.12	3.5	-0.5	4.16	+0.77	39.31	+6.76
Gest, Lock No. 3	1.50	-2.55	1.81	-1.23	5.08	+0.87	4.57	+0.83	0.90	-2.40	0.81	-3.26	4.06	+0.10	1.70	-1.85	2.55	-0.19	2.57	-0.1	3	-0.21	4.5	.....	34.27	.....
Glasgow	3.55	.....	2.59	.....	6.78	.....	5.34	+1.60	1.15	-2.48	0.67	-2.95	5.16	+0.63	2.18	.....	1.92	.....	1.85	-0.84	3.2	-1.38	4.65	.....	50.1	-9.52
Grant, Dam 3	1.26	-1.83	2.60	-0.16	3.41	+0.39	5.53	+0.39	0.64	-2.48	0.10	-3.65	1.66	-2.91	2.86	-0.43	3.15	-0.26	3.97	+1.52	2.9	+0.19	4.17	-0.8	37.25	-6.47
Greensburg	3.59	-1.67	1.73	-1.88	6.56	+1.80	4.13	+0.24	0.69	-3.76	1.72	-2.71	6.64	+2.66	1.28	-2.85	1.66	+1.67	3.35	-0.07	3.17	-0.28	4.51	+0.46	42.46	-6.95
Hugh Bridge, Lock No 7	3.91	+0.71	1.84	-1.24	4.65	+0.36	7.27	+3.78	1.49	-2.17	0.54	-3.50	5.05	+1.00	2.02	-1.70	3.56	+0.05	3.17	-0.28	4.51	+0.46	42.46	-6.95		
Irvington	1.50	-2.91	2.18	-0.93	3.07	+1.40	3.83	-0.13	0.52	-3.21	0.46	-3.55	0.70	-2.3	0.85	-2.65	4.39	+1.28	2.65	-0.50	2.9	-0.49	4.3	.....	30.47	.....
Lancaster	1.16	-0.15	1.57	-1.38	5.62	+0.77	4.37	+1.25	0.90	-3.45	0.32	-4.88	2.68	-1.86	6.64	-2.28	5.35	+2.29	1.25	-0.86	3.67	+0.31	6.64	-2.56	50.1	-9.52
Leitchfield	2.46	-2.93	2.08	-1.30	4.41	-0.21	5.23	+0.87	0.87	-3.20	0.67	-3.42	3.75	+0.05	1.17	-2.39	1.65	-0.80	3.67	+0.31	6.64	-2.56	4.3	.....	37.25	-7.14
Lexington	4.00	-0.18	2.07	-1.55	3.46	-0.11	5.76	+2.26	1.43	-2.35	1.18	-2.87	2.98	-0.80	1.26	-2.46	2.56	-0.69	4.45	+1.02	2.5	-0.49	4.17	-0.8	37.60	-10.74
Little Hickman, Lock 8	4.66	+0.41	1.70	-1.66	4.55	+0.21	5.19	+1.78	2.56	-1.42	0.60	-3.74	5.22	+1.46	0.90	-3.14	3.56	+0.75	2.8	-0.64	2.5	-0.49	4.3	.....	39.52	-7.14
Lockport, Lock No. 2	1.61	-1.41	2.28	-0.59	4.29	-0.13	5.57	+1.84	1.46	-2.40	0.15	-4.23	3.52	+0.11	2.10	-1.66	2.50	-0.18	2.81	-0.62	4.43	+1.07	4.17	-0.8	39.81	-5.46
Louisville	1.53	-2.41	2.10	-1.64	2.99	-1.40	4.10	+0.22	1.13	-2.63	0.35	-3.47	1.81	-1.88	2.21	-1.61	3.56	-0.72	3.25	+0.60	4.13	-0.6	2.77	-1.54	29.85	-13.48
Mammoth Cave	3.68	.....	2.72	.....	6.21	.....	5.84	.....	1.56	.....	0.63	.....	3.97	.....	1.83	.....	2.26	.....	3.51	.....	4.58	.....	4.26	.....	43.85	.....
St. John	2.58	-2.18	1.80	-1.82	3.13	-1.51	5.77	+1.51	1.58	-2.69	0.25	-4.01	3.54	+0.21	1.58	-2.25	5.25	+2.24	4.17	+0.60	4.02	-1.03	5.08	-1.15	46.23	-7.08
Salvisa, Lock No. 6	3.53	-1.14	2.08	-1.05	4.12	-0.66	5.23	+1.88	0.87	-2.64	0.70	-3.72	5.24	+1.44	0.74	-2.72	2.15	-0.89	2.7	-0.26	4.5	-0.5	4.0	.....	39.45	-9.22
Shelbyville	8.59	-0.96	2.07	-1.33	3.57	-1.11	4.04	+0.18	0.81	-2.99	0.02	-3.9	2.36	-1.47	1.45	-2.24	4.88	+1.04	3.02	+0.40	4.11	+0.84	2.82	.....	42.82	-12.31
Shepherdsville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.68	.....	2.66	.....	2.16	.....	4.31	.....	.....	.....
Stearns	.....	.....	.....	.....	.....	.....	.....	.....	1.34	.....	0.41	.....	3.59	.....	4.04	.....	1.16	.....	2.86	.....	3.11	.....	4.41	.....	.....	.....
Taylorsville	2.03	-2.68	1.43	-1.90	3.47	-1.11	4.76	+0.81	1.59	-1.72	0.11	-4.12	4.28	+0.16	1.58	-1.75	4.15	-1.64	3.36	-0.78	3.5	-0.64	4.58	-0.64	32.37	-1.83
Tyrone, Lock No. 5	2.91	-1.53	1.57	-1.53	3.84	+0.18	6.22	+2.23	1.54	-1.97	0.23	-4.25	5.38	0.80	1.58	-2.28	4.17	+0.78	3.28	+0.46	3.5	-0.64	4.58	-0.64	39.85	-13.48
Williamstown	2.18	-1.66	2.46	-0.22	3.39	-0.05	4.92	+1.48	1.20	-2.41	0.31	-3.82	4.32	+0.77	1.91	-1.82	2.25	.....	3.51	.....	4.58	.....	4.50	-0.72	38.55	-8.75
Woodberry, Lock No. 4	2.23	-2.93	1.92	-1.64	5.18	+0.54	4.59	+0.47	1.77	-1.86	0.27	-4.13	4.79	+1.82	3.14	-0.69	5.24	+2.54	2.45	-0.68	4.47	-0.68	4.18	-0.27	46.47	-6.16
EASTERN DIVISION.																										
Annville	1.63	.....	1.63	.....	3.60	.....	3.94	.....	2.02	.....	1.73	.....	7.77	.....	2.66	.....	2.50	.....	2.08	.....	4.43	.....	4.18	.....	41.66	.....
Ashland	2.38	-1.68	1.27	-1.81	4.81	+0.55	4.87	+1.27	1.63	-2.43	0.71	-3.51	4.56	+0.51	4.66	+0.89	2.70	-0.41	3.61	-0.76	4.67	+1.27	5.79	+0.14	50.40	4.64
Harlowsville	.....	.....	.....	.....	.....	.....	4.88	.....	.....	.....	.....	.....	3.09	.....	3.38	.....	3.01	.....	2.68	.....	.....	.....	.....	.....	.....	.....
Beech	1.82	-0.03	1.68	-1.76	4.71	-0.28	3.55	-0.18	4.63	+0.59	1.47	-2.66	4.38	+0.11	3.6	-1.33	5.09	+2.43	4.15	-0.77	5.8	+1.58	46.54	-2.36		
College Hill, Lock No.12	4.03	-0.45	1.79	-1.14	4.73	-0.06	.....	.....	2.60	-0.85	0.19	-3.92	2.41	-1.98	0.83	-3.27	4.06	-1.21	3.69	+1.06	3.25	.....	4.29	.....	.....	.....
Cumberland	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.87	.....	.....	.....	4.07	.....	.....	.....
Cynthiana	2.58	-1.50	1.40	-1.66	5.42	+1.22	5.66	+1.4	0.76	-2.65	0.47	-2.89	2.17	-1.25	3.2	-0.6	2.0	-1.51	3.7	-0.22	3.5	-0.65	.....	.....	.....	.....
Falmouth	1.75	-2.28	2.01	-0.98	3.88	-0.21	4.52	+0.81	1.15	-2.40	0.77	-3.21	4.17	-0.52	3.34	+0.68	3.65	-1.42	2.95	+0.23	3.85	+0.05	4.8	-0.14	35.59	-6.28
Farmers	4.11	+0.06	1.23	-1.83	5.58	+1.78	2.60	-1.83	0.55	-3.78	0.75	-3.25	0.72	-2.31	2.41	-2.0	3.1	-1.43	3.8	-0.4	3.4	-0.66	4.36	-0.58	34.72	-4.75
Flemingsburg	3.69	-0.74	1.22	-1.87	4.25	+0.63	5.57	-1.68	1.6	-2.15	0.42	-4.01	1.73	-2.16	2.84	-2.63	3.0	-0.29	2.9	-0.23	4.2	-0.34	4.26	-0.68	38.72	-4.75
Ford, Lock No. 10	3.52	-0.75	1.61	-0.96	3.65	-0.48	5.97	+2.72	2.67	-0.83	0.84	-3.17	4.10	-0.76	3.8	-2.0	3.26	+1.24	4.8	+1.74	2.8	.....	4.5	.....	46.54	-16.16
Greenup, Dam 33	3.74	-0.99	1.97	-1.80	4.64	+0.17	4.47	+0.95	0.99	-2.88	0.80	-3.86	6.33	+1.98	6.74	-0.37	2.88	+0.2	4.31	+1.95	4.92	.....	4.26	-0.68	48.72	-4.75
Hazard	2.97	-0.25	2.34	-1.08	3.48	-0.72	4.76	+1.45	1.66	-3.47	1.52	-1.7	5.51	+0.47	3.84	-0.17	2.43	-0.77	3.97	+0.57	2.47	-0.63	4.47	.....	43.57	-5.40
Heidelberg, Lock No 11	4.68	+0.42	1.48	-1.58	4.76	-0.02	4.93	-1.00	1.13	-2.85	0.85	-3.33	2.65	-2.10	1.98	-2.1	2.87	-0.77	3.00	-0.12	4.55	+1.61	4.59	+1.05	39.55	-6.74
Jackson	5.69	.....	3.66	.....	9.03	.....	4.29	.....	1.00	.....	1.59	.....	3.22	.....	2.80	.....	3.44	.....	4.05	.....	3.25	.....	3.35	.....	42.94	.....
Jenkins	5.39	+1.93	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.43	+3.24	3.77	-0.07	3.10	+0.16	4.59	+1.08	2.37	-1.38	3.19	-1.42	.....	.....
Livingston	.....	.....	.....	.....	.....	.....	1.28	.....	1.31	.....	.....	.....	2.21	.....	0.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Louisa	.....	.....	.....	.....	4.83	-0.57	4.14	+0.80	0.75	-3.18	0.66	-4.19	6.19	+2.64	7.88	+3.28	3.67	+0.98	2.93	-0.52	2.65	-0.77	3.60	-0.84	.....	.....
Maysville	2.96	-1.14	1.91	-1.16	3.57	-0.71	4.18	+0.91	1.78	-3.42	1.10	-3.56	1.47	-2.8	5.58	+1.88	2.36	-0.54	2.19	-0.36	3.66	-0.56	4.47	-0.04	38.7	-3.81
Middlesboro	4.95	+0.33	3.29	-0.52	3.76	-1.43	4.75	+0.27	0.43	-3.29	0.27	-4.25	4.22	-0.97	2.3	-4.84	1.43	-1.75	3.3	.....	3.3	.....	4.39	-0.56	.....	.....
Mount Sterling	4.31	3.56	1.77	-1.84	5.71	+0.62	7.58	+3.52	2.25	-2.05	1	-4.05	3.78	+1.25	3.16	-2.12	3.8	+0.87	2.16	.....	2.11	-1.41	3.29	-0.46	37.30	-10.58
Oneida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.35	.....	5.19	.....	2.74	.....	3.01	.....	3.3	.....	.....	.....	4.74	.....	.....	.....
Owenton, Dam No. 35	1.39	-2.18	2.36	-0.57	3.98	-0.13	3.95	-0.69	0.75	-2.67	0.43	-3.87	1.73	-2.59	2.19	-2.27	4.48	+0.42	3.74	-0.32	2.77	-0.53	3.61	-0.40	33.48	-10.85
Paintsville	5.11	.....	2.01	.....	4.51	.....	4.61	.....	1.86	.....	1.58	.....	5.08	.....	7.66	.....	3.64	.....	3.75	.....	3.22	.....	4.77	.....	.....	.....
Pikeville	8.88	+6.16	2.42	-1.42	5.22	+0.89	3.76	-0.42	1.11	-2.49	1.78	-2.34	6.52	+2.15	4.45	+0.28	2.76	-0.85	2.67	-0.21	1.82	-1.34	3.77	-0.96	48.81	-4.49
Pippapass	4.88	.....	2.22	.....	5.64	.....	4.13	.....	1.25	.....	1.79	.....	7.81	.....	3.48	.....	2.97	.....	3.89	.....	3.2	.....	4.77	.....	.....	.....
Quicksand	3.95	+0.01	2.11	-1.58	6.61	+0.94	4.13	-0.6	1.70	-3.44	0.75	-3.82	2.84	-2.59	4.08	-0.43	4.22	+0.8	3.07	-0.06	3.5	-0.64	4.58	-0.64	39.95	.....
Paroma, Lock No.12	4.68	+1.10	1.78	-1.35	5.04	+1.02	5.04	+1.33	1.17	-2.75	0.33	-4.09	2.67	-1.69	0.5	-4.67	4.83	+1.57	3.94	-1.65	4.86	-2.34	4.17	-0.17	39.95	-4.26
Richmond	4.65	-0.56	1.45	-1.24	5.70	+1.30	5.05	-1.46	3.55	-0.71	0.15	-3.99	4.46	-0.4	1.46	-2.91	3	-1.66	4.75	+1.58	3.5	-0.64	4.58	-0.64	43.85	-4.26
Valley View, Lock No. 9	3.31	-1.28	1.45	-1.52	4.81	-0.15	1.8	-2.28	1.2	-3.48	1.07	-4.05	1.81	-2.61	3.11	-2.04	2.82	-1.16	2.82	-0.16	3.5	-0.64	4.58	-0.64	38.48	-1.74
Vanceburg, Dam No. 32	2.22	-1.90	1.76	-1.87	4.56	-0.28	5.36	+1.62	1.34	-2.23	1.32	-0.75	2.1	-1.66	5.71	+2.76	3.84	-0.76	3.3	-0.64	3.5	-0.64	4.58	-0.64	43.85	-4.26
Williamsburg	3.29	-1.13	.....	.....	5.1	+0.6	.....	.....	1.1	.....	2.93	-2.84	1.52	-2.3	3.19	-2.36	3.5	-0.64	4.58	-0.64	4.58	-0.64	4.58	-0.64	39.55	-4.75
Willow, Lock No. 13	4.95	+2.26	1.48	-1.40	4.1	+0.3	3.24	-1.07	0.83	-2.87	0.57	-3.78	1.16	-2.92	2.89	-0.6	2.78	-0.8	3.5	-0.64	4.58	-0.64	4.58	-0.64	43.85	-4.26

The departures from normal precipitation are computed only for such stations as have ten or more years of record, current records for which are used in determining the normal precipitation. The departures for stations having less than ten years of record are based on comparison with records at adjacent stations having long records. For each station or division the departure from normal is shown for each month and for the year. A minus sign (-) before a departure means deficiency in precipitation, and a plus sign (+) means excess. The normal precipitation for each station or division means the average precipitation for the period ending with the year 1930, or for the number of years the station has been in operation if less than thirty years.

*+12.04. **+22.33. Rumsey, Brownsville and Woodberry are locks on the Green River and Greenup is on the Kentucky River.

Monthly and Annual Mean Temperatures for the Year 1936, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.		Departure
WESTERN DIVISION.																										
Calhoun	30.4	− 6.7	31.7	− 7.4	51.8	+ 3.4	53.2	− 5.2	68.0	+ 1.4	75.8	+ 0.7	84.2	+ 5.8	83.2	+ 6.0	76.0	+ 5.0	59.6	− 0.3	47.3	− 1.0	44.0	+ 5.1	58.8	+ 0.5
Darlington	31.9	− 4.3	33.3	− 4.5	53.5	+ 6.1	55.4	− 2.4	70.9	+ 3.9	77.9	+ 2.1	85.0	+ 6.1	83.7	+ 6.5	76.8	+ 5.2	60.0	+ 0.4	44.5	− 2.5	42.0	+ 3.1	59.6	+ 1.6
Greenville	29.8	− 7.2	31.6	− 8.4	52.0	+ 4.7	52.0	− 5.3	65.4	+ 0.2	.....	.....	81.4	+ 3.4	81.4	+ 5.3	74.3	+ 3.2	58.3	1.0	42.8	− 5.0	41.2	+ 2.0	.....	.....
Henders	.....	.....	31.2	.....	50.8	.....	52.7	.....	70.3	.....	80.4	.....	85.6	.....	84.8	.....	75.8	.....	59.1	.....	42.8	.....	40.7	.....	.....	.....
Hopkinsville	31.2	− 6.7	32.8	− 6.4	52.6	+ 4.0	53.9	− 3.7	69.8	+ 2.6	77.8	+ 2.4	83.3	+ 4.2	81.8	+ 3.9	75.9	+ 3.7	58.6	− 2.2	44.4	− 4.1	43.1	+ 4.1	58.8	+ 0.2
Lovelaceville	29.6	.....	31.4	.....	53.1	.....	53.6	.....	68.2	.....	78.8	.....	80.8	.....	82.6	.....	75.2	.....	58.2	.....	43.0	.....	40.2	.....	57.7	.....
Marion	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mayfield	32.1	− 5.2	33.3	− 7.7	54.8	+ 5.1	55.4	− 2.9	71.0	+ 4.6	78.8	+ 3.3	81.4	+ 2.8	82.8	+ 5.3	76.5	+ 4.3	60.0	− 0.5	45.3	− 3.8	42.1	+ 1.7	59.4	+ 0.6
Murray	31.4	.....	33.0	.....	53.1	+ 4.5	54.9	− 2.6	69.6	+ 2.6	76.8	+ 3.2	83.0	+ 3.6	82.2	+ 4.6	75.9	+ 4.2	58.3	− 1.7	43.6	− 4.5	40.2	+ 1.0	58.5	− 0.6
Owensboro	31.4	.....	33.0	.....	53.1	+ 4.5	54.9	− 2.6	69.6	+ 2.6	76.8	+ 3.2	83.0	+ 3.6	82.2	+ 4.6	75.9	+ 4.2	58.3	− 1.7	43.6	− 4.5	40.2	+ 1.0	58.5	− 0.6
Paducah	30.6	− 5.6	32.2	− 5.6	52.6	+ 4.9	54.6	− 3.6	70.9	+ 4.1	76.4	+ 1.1	83.8	+ 5.2	82.8	+ 5.5	75.2	+ 3.4	59.3	+ 0.1	44.2	− 3.1	42.2	+ 3.5	58.7	+ 0.8
Princeton	28.8	− 7.3	30.4	− 7.9	50.6	+ 3.5	52.7	− 4.7	67.2	+ 1.5	77.2	+ 2.6	81.6	+ 3.4	81.2	+ 4.2	74.8	+ 2.9	57.7	− 1.7	41.2	− 5.8	39.2	+ 0.4	56.9	− .07
CENTRAL DIVISION.																										
Anchorage	25.8	− 7.7	28.6	− 5.9	47.8	+ 3.4	50.0	− 3.8	66.4	+ 3.0	73.9	+ 1.8	81.6	+ 5.8	78.4	+ 8.9	71.6	+ 2.6	55.8	− 0.9	40.0	− 4.8	36.2	+ 1.3	58.7	− 0.1
Bowling Green	33.3	− 4.2	34.2	− 4.8	53.6	+ 5.2	56.6	− 1.9	72.6	+ 5.1	80.4	+ 4.4	83.0	+ 3.7	83.6	+ 5.4	76.2	+ 3.8	60.4	+ 0.5	45.0	− 2.9	41.8	+ 2.8	60.1	+ 1.5
Danville	28.6	.....	31.8	.....	49.8	.....	52.2	.....	67.5	.....	76.2	.....	.....	.....	80.2	.....	73.8	.....	57.0	.....	43.8	.....	40.8	.....	.....	.....
Dix Dam	30.0	− 7.6	33.6	− 6.7	52.0	.....	55.6	− 3.2	69.2	+ 4.3	77.2	+ 3.3	81.8	+ 4.0	82.0	+ 5.4	75.9	+ 4.0	59.5	+ 0.7	.....	.....	42.0	+ 2.0	.....	.....
Eubank	28.9	− 6.8	33.3	− 4.9	49.6	+ 3.9	.....	.....	.....	.....	.....	.....	.....	.....	78.9	+ 5.0	74.2	+ 5.2	56.3	− 0.7	41.6	− 4.0	40.9	+ 3.9	.....	.....
Frankfort	28.0	− 8.3	30.8	− 6.0	49.8	+ 3.7	51.8	− 3.9	67.6	+ 2.4	75.6	+ 1.9	81.2	+ 6.0	81.2	+ 6.0	73.6	+ 4.1	58.4	+ 1.0	42.7	− 3.9	39.8	+ 2.9	56.8	+ 0.6
Glasgow	29.8	− 10.0	33.6	− 8.0	51.5	+ 4.3	53.4	− 4.3	68.3	.....	78.0	.....	81.2	.....	81.2	.....	75.2	.....	57.4	− 1.2	42.5	− 6.0	40.2	+ 2.1	58.7	.....
Greensburg	29.8	− 5.7	31.6	− 4.7	50.6	+ 4.5	52.5	− 3.0	68.1	+ 3.6	75.3	+ 2.1	80.0	+ 3.4	80.0	+ 4.8	74.8	+ 5.0	57.3	+ 0.3	42.6	− 3.1	40.4	+ 3.1	56.9	+ 0.8
Irvington	29.8	− 5.7	31.6	− 4.8	51.4	+ 4.8	53.3	− 2.9	69.1	+ 3.1	77.2	+ 3.2	83.1	+ 5.5	83.2	+ 7.3	75.6	+ 5.0	58.8	+ 1.6	42.6	− 4.4	41.0	+ 3.7	58.0	+ 1.2
Lawrenceburg	29.0	− 7.2	31.8	− 4.9	51.6	+ 4.8	53.3	− 2.9	69.1	+ 4.0	76.8	+ 3.5	82.4	+ 5.3	81.8	+ 6.2	75.0	+ 4.8	58.6	+ 0.1	43.5	− 3.3	41.2	+ 4.0	57.8	+ 1.3
Leitchfield	29.4	− 6.3	31.6	− 4.8	51.4	+ 4.8	53.1	− 2.8	69.3	+ 4.0	76.8	+ 3.5	81.2	+ 5.3	81.5	+ 7.0	73.8	+ 5.3	57.7	+ 0.3	41.1	− 3.7	38.6	+ 2.8	56.0	+ 1.0
Lexington	29.8	− 6.1	29.6	− 5.8	48.0	+ 4.3	50.2	− 4.1	67.8	+ 3.5	76.0	+ 3.8	81.2	+ 5.3	81.0	+ 6.0	73.4	+ 2.9	58.4	− 0.9	42.0	− 4.7	39.6	+ 2.0	57.1	+ 0.1
Louisville	27.8	− 6.6	29.6	− 7.6	50.0	+ 4.0	52.2	− 4.2	69.4	+ 2.8	76.8	+ 1.9	83.3	+ 4.7	80.4	.....	75.2	.....	.....	.....	40.1	.....	37.2	.....	.....	.....
Mammoth Cave	28.3	.....	32.2	.....	51.8	.....	52.9	.....	67.8	.....	78.1	.....	80.2	.....	81.8	+ 7.0	74.0	+ 4.5	58.9	+ 1.2	42.8	− 3.0	40.4	+ 4.6	56.8	+ 0.8
St. John	25.2	− 9.1	30.6	− 4.8	50.8	+ 5.9	52.8	− 2.0	68.1	+ 3.9	77.4	+ 4.8	83.3	+ 6.9	82.0	+ 6.8	76.6	+ 7.0	59.0	+ 1.8	41.2	− 3.6	39.3	+ 5.0	56.7	+ 1.4
Shelbyville	25.9	− 7.0	30.0	− 4.1	48.7	+ 4.1	50.8	− 3.8	67.4	+ 3.0	75.8	+ 2.5	81.2	+ 6.4	74.6	+ 4.4	71.6	+ 3.0	55.4	− 0.9	40.6	− 4.5	38.2	+ 1.8	54.8	− 0.6
Taylorsville	25.8	− 9.0	27.9	− 8.7	48.0	+ 3.0	49.9	− 4.8	66.0	+ 2.0	73.6	+ 1.0	80.2	+ 3.9	83.0	+ 8.7	75.0	+ 5.8	58.0	+ 2.1	39.6	− 5.6	37.4	+ 2.6	56.9	+ 2.3
Williamstown	26.5	− 6.7	29.9	− 3.9	50.1	+ 6.4	52.2	− 1.3	70.2	+ 6.5	78.0	+ 5.8	82.8	+ 6.6	83.0	+ 8.7	75.0	+ 5.8	58.0	+ 2.1	39.6	− 5.6	37.4	+ 2.6	56.9	+ 2.3
EASTERN DIVISION.																										
Ashland	30.1	− 6.4	32.2	− 5.5	49.5	+ 3.9	52.4	− 3.2	67.6	+ 3.3	74.8	+ 1.5	80.2	+ 3.7	78 8	+ 4.0	73.2	+ 2.7	58.7	+ 0.9	44.4	− 2.7	40.2	+ 1.5	56.8	+ 0.3
Berea	29.0	− 8.2	31.3	− 7.5	51.4	+ 4.8	53.2	− 2.6	68.5	+ 3.6	74.8	+ 1.9	79.4	+ 3.1	80.9	+ 6.4	72.8	+ 2.9	58.3	− 0.3	43.6	− 3.9	41.2	+ 3.2	57.0	+ 0.2
Cumberland	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	72.9	.....	.....	.....	60.2	.....	41.4	.....	41.1	.....	.....	.....
Farmers	26.2	− 9.4	31.2	− 5.7	49.6	+ 4.6	51.5	− 3.0	66.4	+ 3.2	72.6	+ 1.3	78.5	+ 3.4	78.4	+ 5.1	71.7	+ 3.4	57.6	+ 1.1	43.0	− 2.5	39.7	+ 2.8	55.5	+ 0.3
Heidelberg	30.2	.....	33.4	.....	50.0	.....	53.0	.....	67.1	.....	74.4	.....	78.6	.....	79.4	.....	73.0	.....	59.1	.....	44.0	.....	40.6	.....	56.9	.....
Maysville	26.1	− 7.6	29.6	− 5.6	47.4	+ 3.1	51.0	− 3.3	66.2	+ 1.7	73.2	+ 0.3	79.8	+ 3.0	78.9	+ 3.7	72.0	+ 2.3	57.2	− 0.2	41.6	− 3.6	38.6	+ 3.3	55.1	− 0.3
Middlesboro	32.8	− 6.6	35.6	− 3.2	50.4	+ 2.5	52.8	− 3.9	65.4	+ 0.7	71.9	− 0.5	77.0	+ 1.7	.....	.....	.....	.....	.....	.....	42.8	− 3.5	42.0	+ 3.0	.....	.....
Mt. Sterling	29.3	− 7.7	30.2	− 4.3	47.8	+ 4.0	50.0	− 3.9	68.7	+ 5.0	75.6	+ 3.1	80.0	+ 4.0	79.9	+ 5.9	73.6	+ 5.4	57.6	+ 1.8	40.5	− 3.7	37.5	+ 1.9	55.6	+ 0.9
Pikeville	33.1	.....	35.5	.....	51.0	.....	55.9	.....	69.4	.....	75.0	.....	78.8	.....	78 8	.....	73.8	.....	60.4	.....	45.0	.....	41.1	.....	58.1	.....
Pippapass	33.7	.....	35.8	.....	51.2	.....	54.6	.....	67.9	.....	74.8	.....	78.2	.....	78 8	.....	73.6	.....	60.2	.....	45.2	.....	40.6	.....	57.9	.....
Quicksand	30.8	− 7.9	32.0	− 8.2	48.6	+ 3.4	53.0	− 3.8	66.6	+ 1.8	74.2	+ 2.1	78.7	+ 2.1	78.9	+ 4.3	72.6	+ 1.6	58.8	+ 1.2	44.8	− 2.2	40.6	+ 1.0	56.6	+ 0.4
Richmond	29.4	− 5.9	31.0	− 5.8	49.0	+ 4.0	52.0	− 4.1	68.8	+ 3.3	76.4	+ 2.9	80.1	+ 3.2	81.4	+ 5.9	74.1	+ 3.8	60.0	+ 1.6	43.1	− 4.1	40.8	+ 2.6	57.3	+ 0.6
Williamsburg	32.9	− 5.9	34.0	− 5.4	52.2	+ 5.2	.....	.....	68.8	+ 3.3	75.4	+ 1.5	81.0	+ 3.8	81.1	+ 5.0	74.5	+ 3.7	59.7	+ 0.2	44.6	− 3.0	42.2	+ 1.5	.....	.....

All temperature data are taken from self registering thermometers.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1936.

STATIONS	Last in Spring.	First in Autumn.	STATIONS.	Last in Spring.	First in Autumn
WESTERN DIVISON			Irvington	April 23	Oct. 28
Calhoun	April 22	Oct. 28	Leitchfield	do 23	do 28
Earlington	do 19	do 28	Lexington	do 23	do 28
Greenville	do 19	do 28	Louisville	do 23	do 28
Hopkinsville	do 19	do 28	St. John	do 23	do 27
Lovelaceville	do 19	do 28	Shelbyville	do 23	do 27
Mayfield	do 19	do 28	Taylorsville	do 23	do 27
Owensboro	do 22	do 28	Williamstown	do 23	do 27
Russellville	do 19	do 28			
			EASTERN DIVISON		
CENTRAL DIVISON			Ashland	April 23	Oct. 28
Anchorage	April 23	Oct. 27	Berea	do 23	do 28
Bowling Green	do 19	do 28	Farmers	do 24	do 27
Dix Dam	do 23	do 28	Maysville	do 23	do 28
Eubank	do 23	do 28	Middlesboro	do 23	do 28
Frankfort	do 28	do 27	Mount Sterling	do 23	do 28
Greensburg	do 23	do 28	Richmond	do 24	do 28
			Williamsburg	do 23	do 28

MONTHLY SUMMARIES, 1936.

Month.	Temperature. State average.	Temperature. *Departure.	Temperature. Highest.	Temperature. Lowest.	Precipitation. State average.	Precipitation. *Departure.	Average number of days. With .01 or more rain.	Average number of days. Clear.	Average number of days. Partly cloudy.	Average number of days. Cloudy.	Average Snowfall.
January	29.4	− 7.9	68	−25	2.99	− 1.31	11	10	7	14	6.2
February	32.1	− 4.8	79	−14	1.95	− 1.43	9	12	5	12	5.5
March	50.7	+ 4.4	81	19	4.85	+ 0.12	11	14	8	9	3.2
April	53 1	− 3.0	90	19	4.79	+ 0.82	11	11	8	11	0.1
May	68.3	+ 2.9	96	36	4.50	− 2.49	5	22	6	3	0.0
June	76.1	+ 2.2	110	49	0.81	− 3.31	3	21	6	3	0.0
July	81.4	+ 4.2	113	46	3.78	− 0.35	10	15	10	6	0.0
August	81.1	+ 5.3	108	43	2.22	− 1.48	6	16	11	4	0.0
September	74 4	+ 3.8	101	31	3.57	+ 0.59	7	12	12	6	0.0
October	58 5	+ 0.3	88	24	3.47	+ 0.74	9	10	9	12	6.0
November	42 9	− 3.6	81	10	3.50	+ 0.03	5	14	8	8	3.4
December	40.5	+ 2.8	70	10	4.51	+ 0.55	10	13	5	13	2.0
Annual means and extremes	57.4	+ 0.7	113	−25	37.94	− 7.55	97	170	93	103	20.4

*Compared with 45 years' normal.

NOTE. Tables and charts giving climatic data for Kentucky in detail during 1935 have been published for each month at the Kentucky section center, Weather Bureau Office, Louisville, Ky., and can be obtained from the Official in Charge at that office. Indexes to special articles published during past years in Kentucky climatological reports will be found in the Monthly Report for June, 1909.

W B O Louisville, 2/25/37 1250.

UNIVERSITY OF ILLINOIS-URBANA
3 0112 084236733